

[Wi-Fi 2.4 GHz]

1 / 2

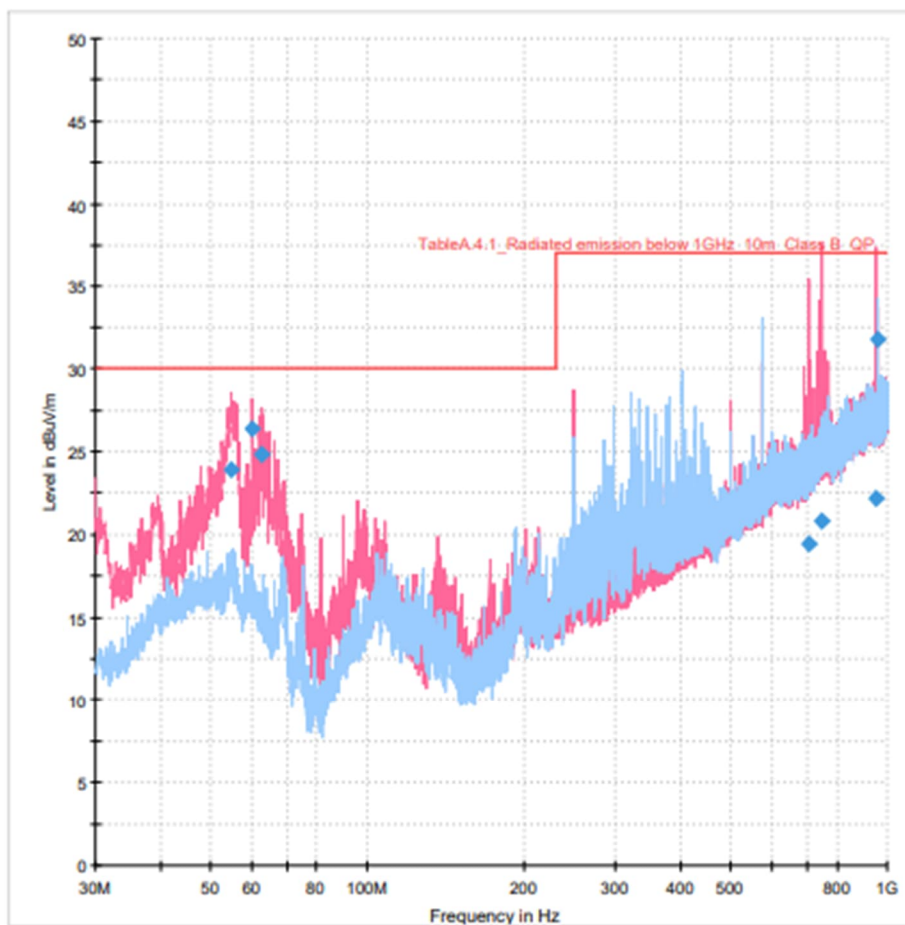
Test Report

Common Information

Test Description:	Radiated Emission(NK-26-E-0195)
Test Site:	10 m chamber #1
Test Standard:	FCC Part 15 Subpart B Class B
Environment Conditions:	AC 120 V, 60 Hz
Operator Name:	Hyunho, Choi
Mode:	WiFi 2.4 GHz

Full Spectrum

Full Spectrum



4/6/2026

4:20:13 PM

RE_Below_Analog

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Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.788889	23.88	30.00	6.12	1000.0	120.000	130.0	V	54.0	-20.2
60.231667	26.34	30.00	3.66	1000.0	120.000	108.0	V	141.0	-21.1
62.764444	24.81	30.00	5.19	1000.0	120.000	111.0	V	212.0	-21.9
705.120000	19.42	37.00	17.58	1000.0	120.000	272.0	V	203.0	-10.3
749.093333	20.76	37.00	16.24	1000.0	120.000	270.0	V	199.0	-8.9
949.128889	22.20	37.00	14.80	1000.0	120.000	330.0	V	155.0	-6.8
960.014444	31.79	37.00	5.21	1000.0	120.000	100.0	H	264.0	-6.8

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Comment
54.788889	
60.231667	
62.764444	
705.120000	
749.093333	
949.128889	
960.014444	

4/6/2026

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Table 15. Radiated Measurements at 10 meters

[Wi-Fi 5.2 GHz]

Test

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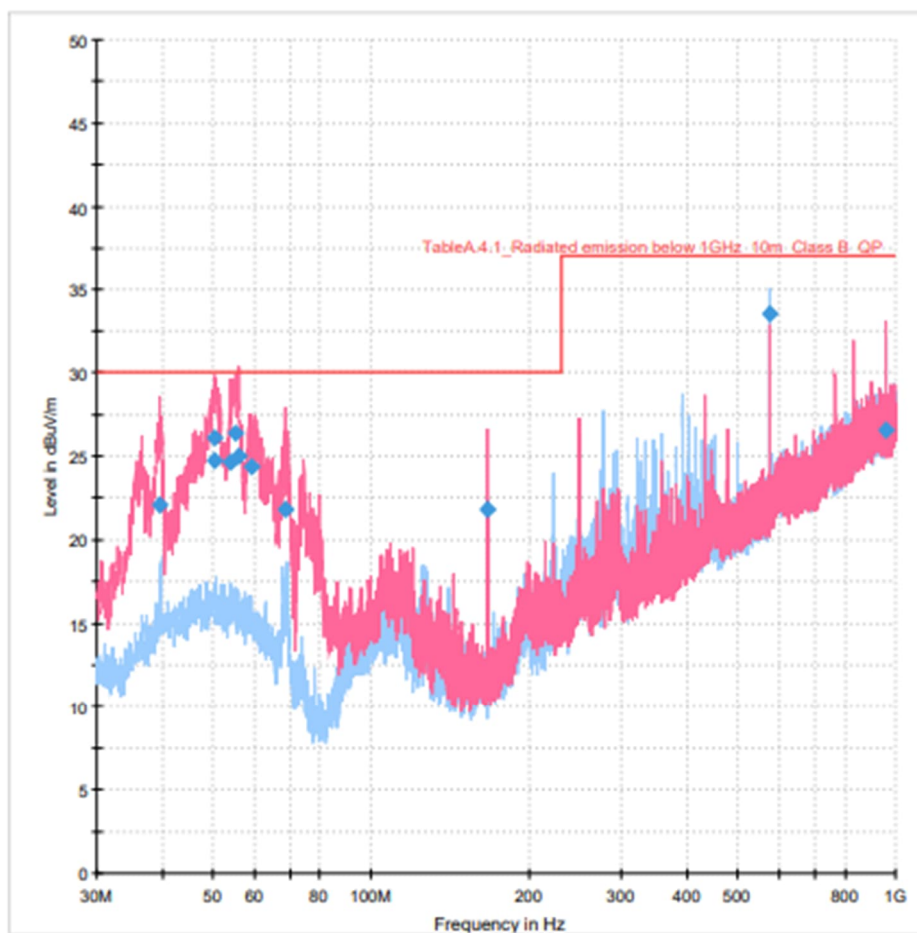
Test Report

Common Information

Test Description:	Radiated Emission(NK-26-E-0195)
Test Site:	10 m chamber #1
Test Standard:	FCC Part 15 Subpart B Class B
Environment Conditions:	AC 120 V, 60 Hz
Operator Name:	Hyunho, Choi
Mode:	WiFi 5.2 GHz

Full Spectrum

Full Spectrum



4/2/2026

7:20:58 PM

Test

2 / 2

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
39.592222	22.11	30.00	7.89	1000.0	120.000	224.0	V	314.0	-21.6
50.208333	24.75	30.00	5.25	1000.0	120.000	400.0	V	136.0	-19.8
50.477778	26.05	30.00	3.95	1000.0	120.000	104.0	V	116.0	-19.8
54.142222	24.66	30.00	5.34	1000.0	120.000	370.0	V	90.0	-20.3
55.058333	26.40	30.00	3.60	1000.0	120.000	388.0	V	136.0	-20.2
55.920556	25.04	30.00	4.96	1000.0	120.000	373.0	V	136.0	-20.3
59.315556	24.32	30.00	5.68	1000.0	120.000	100.0	V	94.0	-20.9
68.530556	21.78	30.00	8.22	1000.0	120.000	117.0	V	176.0	-23.6
166.662222	21.82	30.00	8.18	1000.0	120.000	108.0	V	0.0	-23.2
576.002222	33.53	37.00	3.47	1000.0	120.000	173.0	H	58.0	-12.1
960.068333	26.52	37.00	10.48	1000.0	120.000	230.0	V	92.0	-6.8

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Comment
39.592222	7:42:36 PM - 4/2/2026
50.208333	7:44:47 PM - 4/2/2026
50.477778	7:39:27 PM - 4/2/2026
54.142222	7:44:07 PM - 4/2/2026
55.058333	7:45:25 PM - 4/2/2026
55.920556	7:46:04 PM - 4/2/2026
59.315556	7:38:45 PM - 4/2/2026
68.530556	7:40:17 PM - 4/2/2026
166.662222	7:37:47 PM - 4/2/2026
576.002222	7:36:36 PM - 4/2/2026
960.068333	7:41:12 PM - 4/2/2026

4/2/2026

7:20:58 PM

Table 16. Radiated Measurements at 10 meters

[Wi-Fi 5.8 GHz]

Test

1 / 2

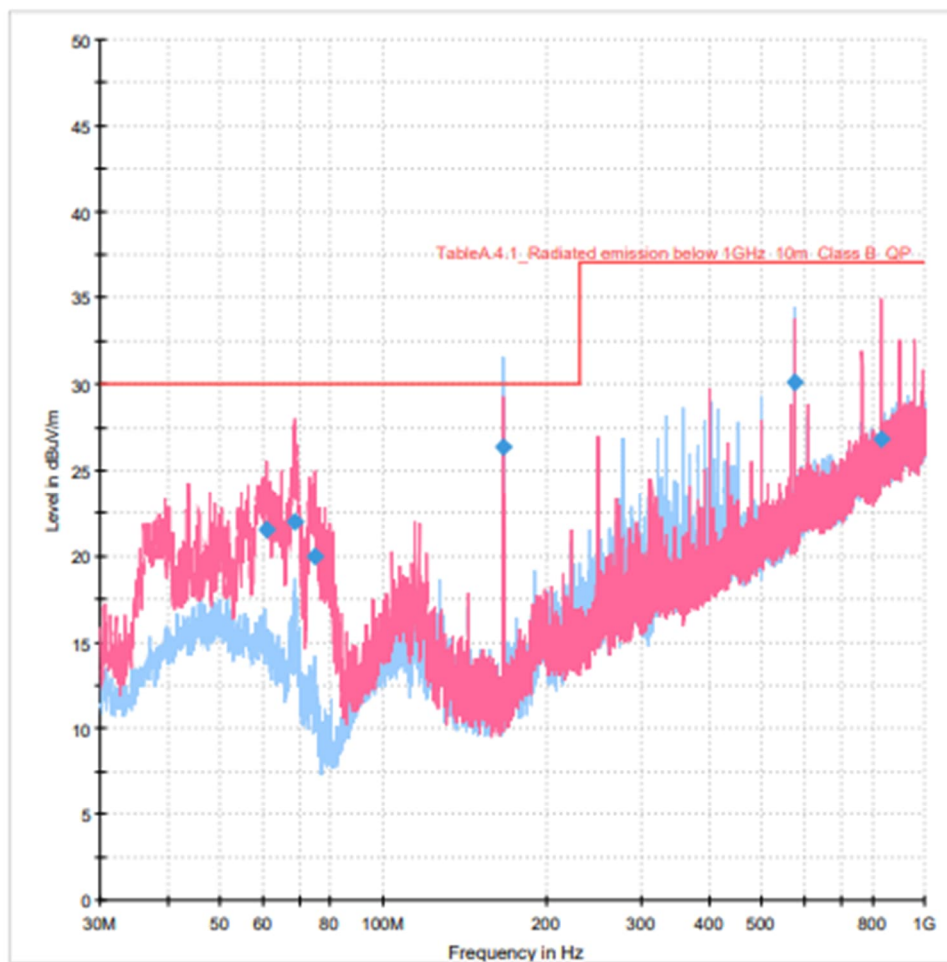
Test Report

Common Information

Test Description:	Radiated Emission(NK-26-E-0195)
Test Site:	10 m chamber #1
Test Standard:	FCC Part 15 Subpart B Class B
Environment Conditions:	AC 120 V, 60 Hz
Operator Name:	Hyunho, Choi
Mode:	WiFi 5.8 GHz

Full Spectrum

Full Spectrum



4/2/2026

7:09:41 PM

Test

2 / 2

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
60.824444	21.53	30.00	8.47	1000.0	120.000	115.0	V	102.0	-21.2
68.800000	21.99	30.00	8.01	1000.0	120.000	130.0	V	161.0	-23.6
75.051111	20.01	30.00	9.99	1000.0	120.000	230.0	V	132.0	-25.9
166.662222	26.39	30.00	3.61	1000.0	120.000	286.0	H	46.0	-23.2
576.002222	30.15	37.00	6.85	1000.0	120.000	192.0	H	77.0	-12.1
833.321667	26.85	37.00	10.15	1000.0	120.000	130.0	V	16.0	-8.2

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Comment
60.824444	7:12:48 PM - 4/2/2026
68.800000	7:13:35 PM - 4/2/2026
75.051111	7:14:20 PM - 4/2/2026
166.662222	7:08:21 PM - 4/2/2026
576.002222	7:10:44 PM - 4/2/2026
833.321667	7:11:52 PM - 4/2/2026

4/2/2026

7:09:41 PM

Table 17. Radiated Measurements at 10 meters

[Wi-Fi 6 GHz]

Test

1 / 2

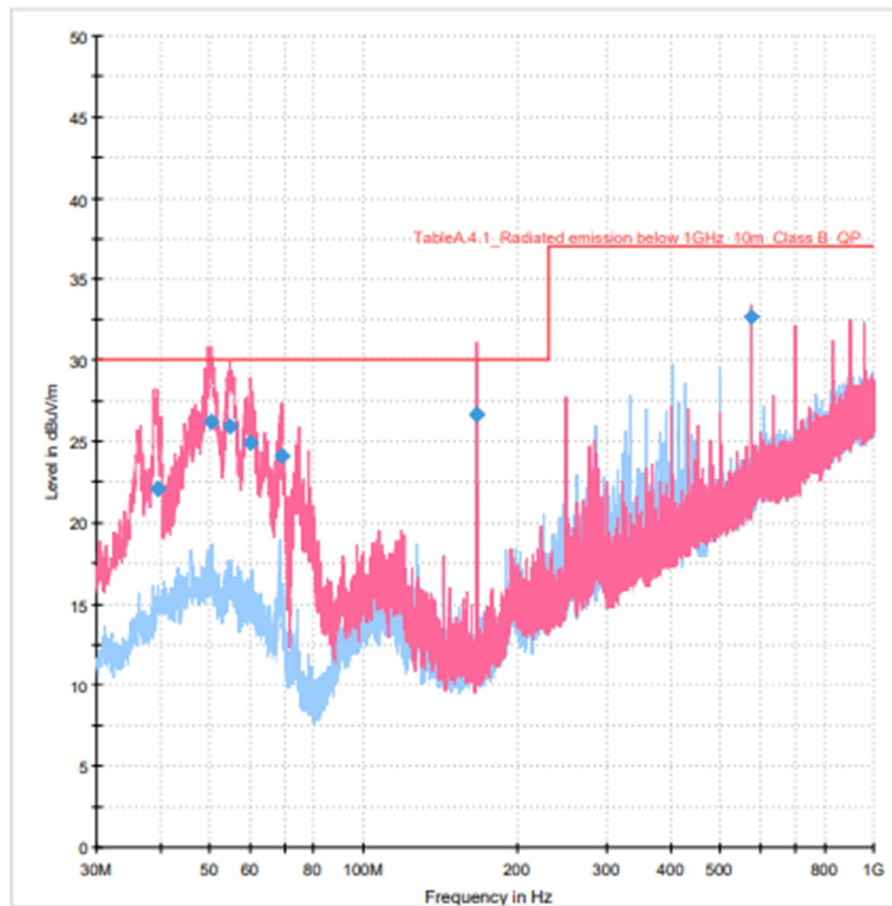
Test Report

Common Information

Test Description:	Radiated Emission(NK-26-E-0195)
Test Site:	10 m chamber #1
Test Standard:	FCC Part 15 Subpart B Class B
Environment Conditions:	AC 120 V, 60 Hz
Operator Name:	Hyunho, Choi
Mode:	WiFi 6 GHz

Full Spectrum

Full Spectrum



4/2/2026

7:56:58 PM

Test

2 / 2

문서가 방금에 마지막으로 저장되었습니다

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
39.484444	22.12	30.00	7.88	1000.0	120.000	173.0	V	355.0	-21.6
50.262222	26.23	30.00	3.77	1000.0	120.000	130.0	V	66.0	-19.8
54.681111	25.88	30.00	4.12	1000.0	120.000	100.0	V	151.0	-20.2
60.231667	24.92	30.00	5.08	1000.0	120.000	123.0	V	80.0	-21.1
69.069444	24.06	30.00	5.94	1000.0	120.000	230.0	V	181.0	-23.6
166.662222	26.63	30.00	3.37	1000.0	120.000	112.0	V	121.0	-23.2
576.002222	32.63	37.00	4.37	1000.0	120.000	170.0	H	52.0	-12.1

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Comment
39.484444	
50.262222	
54.681111	
60.231667	
69.069444	
166.662222	
576.002222	

4/2/2026

7:56:58 PM

Table 18. Radiated Measurements at 10 meters

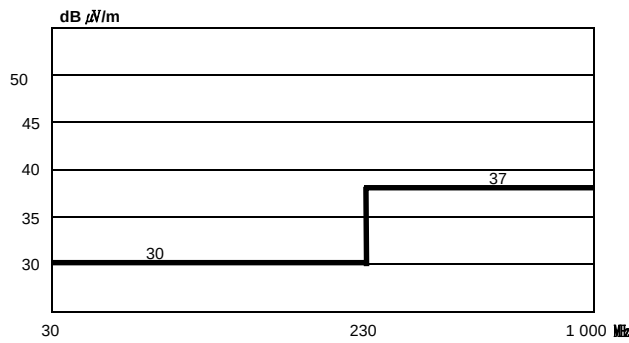


Fig. 5. Limits at 10 meters

NOTES:

1. Below 1 GHz, the radiated limits are shown on Figure 5.
2. CISPR 22 limit will be applied for radiated emission test.

NOTES:

1. *Pol. H = Horizontal V = Vertical
2. **Corr. = Antenna Factor + Cable Loss + Amplifier.
3. Measurements using quasi-peak mode below 1 GHz.
4. The limit for Class B device is on the FCC Part section 15.109(g).
5. Test data in this section has been taken against the FCC 15.109(a) or (b) limit as it is the most stringent limit. By complying with more restrictive FCC 15.109 limit compliance with the ICES-003 Issue 7 limit also demonstrated.



Tested by : Hyunho Choi

TEST DATA (Radiated Emissions (Above 1 GHz))

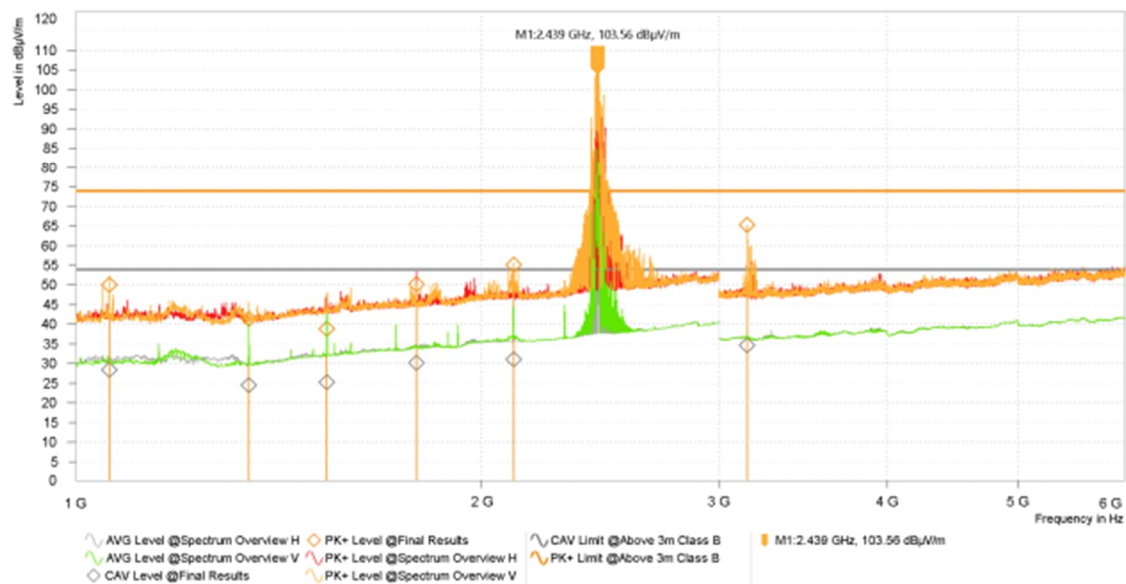
[HDMI (1 GHz to 6 GHz)]

Test Report

Test Information

Test Description: Radiated Emission(NK-26-E-0195)
Test Site: 3 m Chamber
Test Standard: FCC Part 15 Subpart B Class B
Environment Conditions: AC 120 V, 60 Hz
Operator Name: Hyunho, Choi
Mode: HDMI

Spectrum Overview Polarization



EMI Final Results

Frequency [MHz]	PK+ Level [dBuV/m]	PK+ Limit [dBuV/m]	PK+ Margin [dB]	CAV Level [dBuV/m]	CAV Limit [dBuV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
1,058.500	50.09	74.00	23.91	28.35	54.00	25.65	-8.27	V	71.7	1.52	1,000.000	1.000
1,344.000	41.40	74.00	32.60	24.44	54.00	29.56	-7.63	V	136.5	2.02	1,000.000	1.000
1,535.500	38.80	74.00	35.20	25.25	54.00	28.75	-5.38	V	201.2	2.50	1,000.000	1.000
1,789.500	50.21	74.00	23.79	30.14	54.00	23.86	-3.61	H	61.3	1.00	1,000.000	1.000
2,114.000	55.10	74.00	18.90	31.07	54.00	22.93	-1.58	V	71.7	1.00	1,000.000	1.000
3,149.000	65.28	74.00	8.72	34.63	54.00	19.37	5.62	V	119.6	1.00	1,000.000	1.000

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Table 19. Radiated Measurements at 3 meters

USB (1 GHz to 6 GHz)]

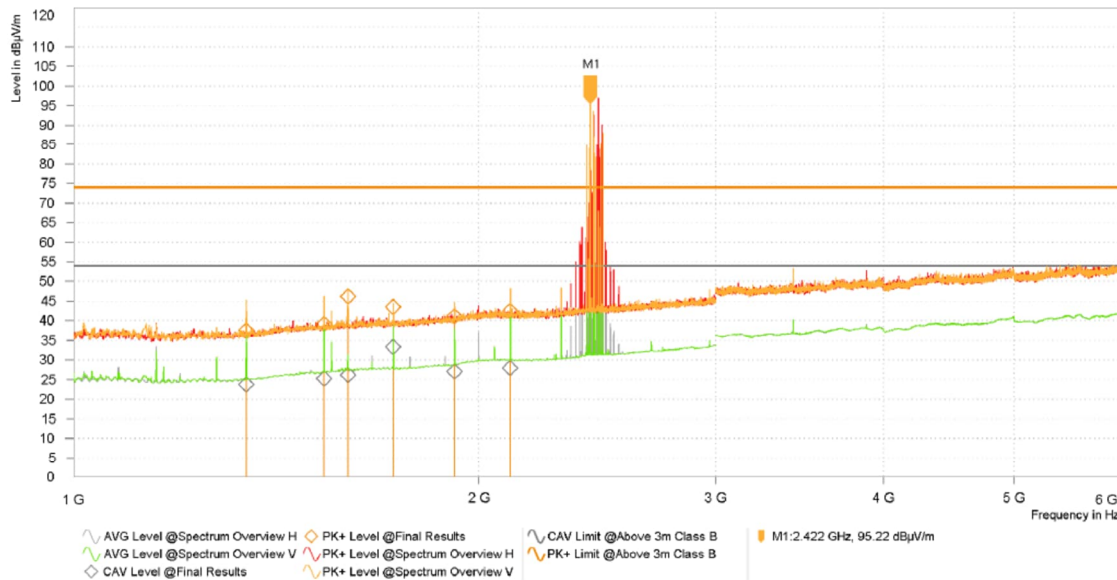
RE_1GHz-6GHz_FILTER_Class B_Test

Test Report

Test Information

Test Description: Radiated Emission(NK-26-E-0197)
 Test Site: 3 m Chamber
 Test Standard: FCC Part 15 Subpart B Class B
 Environment Conditions: AC 120 V, 60 Hz
 Operator Name: Hyunho, Choi
 Mode: USB

Spectrum Overview Polarization



EMI Final Results

Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	CAV Level [dBµV/m]	CAV Limit [dBµV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
1,343.500	37.54	74.00	36.46	23.75	54.00	30.25	-7.64	V	137.1	2.50	1,000.000	1.000
1,535.500	39.13	74.00	34.87	25.21	54.00	28.79	-5.38	V	201.8	2.47	1,000.000	1.000
1,599.500	46.23	74.00	27.77	26.22	54.00	27.78	-4.93	V	2.1	1.53	1,000.000	1.000
1,727.500	43.42	74.00	30.58	33.33	54.00	20.67	-3.94	V	72.2	1.45	1,000.000	1.000
1,920.000	41.06	74.00	32.94	27.11	54.00	26.89	-2.85	V	169.5	2.50	1,000.000	1.000
2,112.000	42.38	74.00	31.62	27.98	54.00	26.02	-1.56	V	201.8	1.94	1,000.000	1.000

2026-03-31 / 15:48

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Table 20. Radiated Measurements at 3 meters

Bluetooth (1 GHz to 6 GHz)

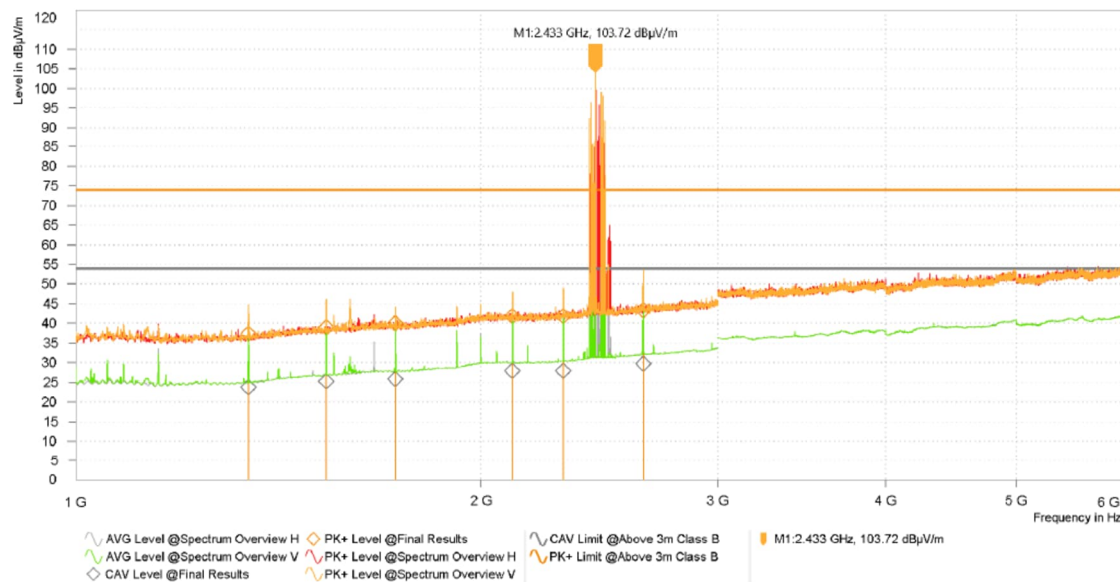
RE_1GHz-6GHz_FILTER_Class B_Test

Test Report

Test Information

Test Description: Radiated Emission(NK-26-E-0195)
 Test Site: 3 m Chamber
 Test Standard: FCC Part 15 Subpart B Class B
 Environment Conditions: AC 120 V, 60 Hz
 Operator Name: Hyunho, Choi
 Mode: Bluetooth

Spectrum Overview Polarization



EMI Final Results

Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	CAV Level [dBµV/m]	CAV Limit [dBµV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
1,343.500	37.40	74.00	36.60	23.75	54.00	30.25	-7.64	V	136.7	1.03	1,000.000	1.000
1,535.500	39.05	74.00	34.95	25.20	54.00	28.80	-5.38	V	202.7	1.00	1,000.000	1.000
1,728.000	40.05	74.00	33.95	25.83	54.00	28.17	-3.94	V	71.1	1.00	1,000.000	1.000
2,111.500	41.85	74.00	32.15	27.97	54.00	26.03	-1.56	V	202.7	1.00	1,000.000	1.000
2,304.000	41.85	74.00	32.15	28.00	54.00	26.00	-1.21	V	169.7	0.99	1,000.000	1.000
2,641.500	43.39	74.00	30.61	29.73	54.00	24.27	0.64	V	268.7	1.00	1,000.000	1.000

2026-03-31 / 16:19

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Table 21. Radiated Measurements at 3 meters

[Analog (1 GHz to 6 GHz)]

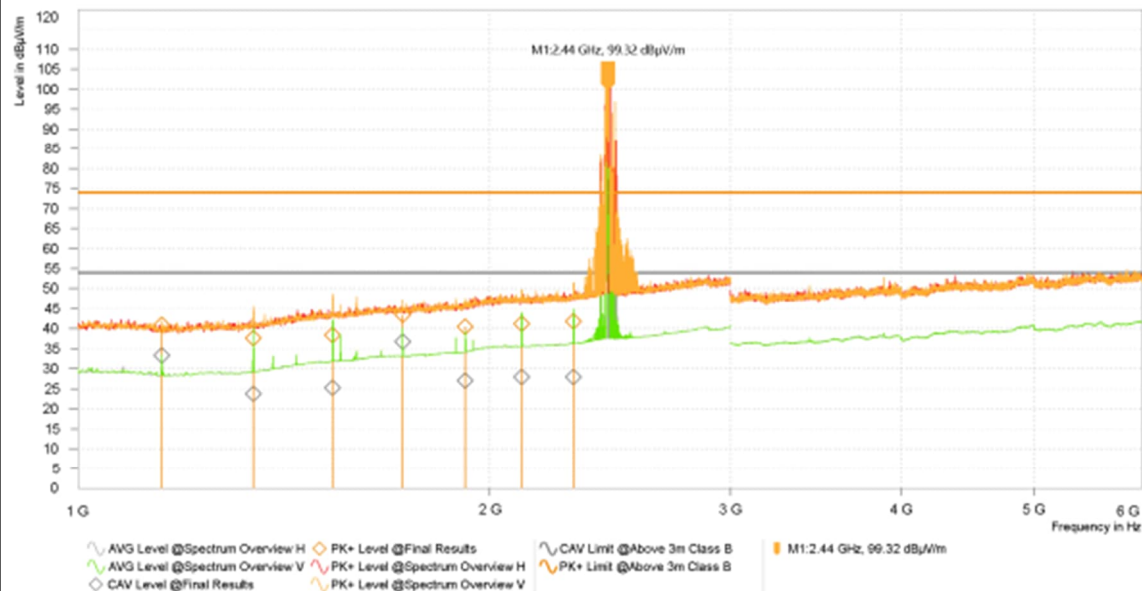
RE_1GHz-6GHz_FILTER_Class B_Test

Test Report

Test Information

Test Description: Radiated Emission(NK-26-E-0195)
 Test Site: 3 m Chamber
 Test Standard: FCC Part 15 Subpart B Class B
 Environment Conditions: AC 120 V, 60 Hz
 Operator Name: Hyunho, Choi
 Mode: Analog

Spectrum Overview Polarization



EMI Final Results

Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	CAV Level [dBµV/m]	CAV Limit [dBµV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
1,152.000	40.94	74.00	33.06	33.36	54.00	20.64	-8.90	V	105.4	1.00	1,000.000	1.000
1,343.500	37.71	74.00	36.29	23.75	54.00	30.25	-7.64	V	137.7	2.02	1,000.000	1.000
1,535.500	38.36	74.00	35.64	25.19	54.00	28.81	-5.38	V	202.4	1.91	1,000.000	1.000
1,728.000	43.52	74.00	30.48	36.83	54.00	17.17	-3.94	V	72.8	1.03	1,000.000	1.000
1,920.000	40.47	74.00	33.53	27.11	54.00	26.89	-2.85	V	235.3	0.99	1,000.000	1.000
2,112.000	41.30	74.00	32.70	28.00	54.00	26.00	-1.56	V	202.4	1.40	1,000.000	1.000
2,304.000	41.79	74.00	32.21	28.00	54.00	26.00	-1.21	V	268.1	2.50	1,000.000	1.000

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Table 22. Radiated Measurements at 3 meters

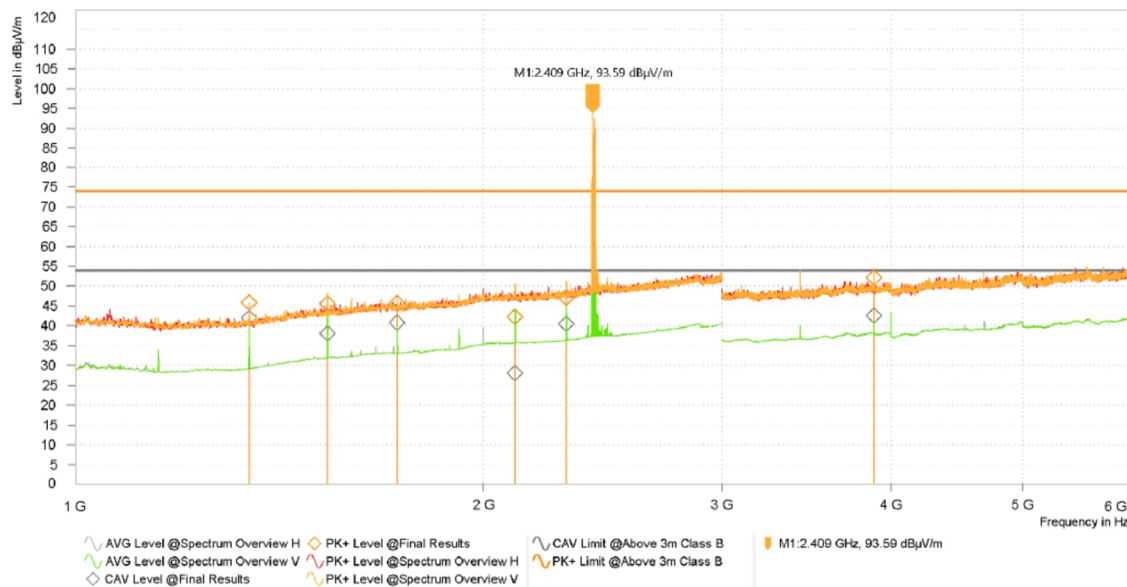
Network (1 GHz to 6 GHz)

Test Report

Test Information

Test Description: Radiated Emission(NK-26-E-0195)
 Test Site: 3 m Chamber
 Test Standard: FCC Part 15 Subpart B Class B
 Environment Conditions: AC 120 V, 60 Hz
 Operator Name: Hyunho, Choi
 Mode: Network

Spectrum Overview Polarization



EMI Final Results

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	CAV Level [dBμV/m]	CAV Limit [dBμV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
1,344.000	45.81	74.00	28.19	42.03	54.00	11.97	-7.63	V	137.9	1.90	1,000.000	1.000
1,535.500	45.54	74.00	28.46	38.16	54.00	15.84	-5.38	V	203.1	1.44	1,000.000	1.000
1,728.000	45.66	74.00	28.34	40.76	54.00	13.24	-3.94	V	72.4	1.45	1,000.000	1.000
2,112.000	42.34	74.00	31.66	28.08	54.00	25.92	-1.56	V	203.1	2.50	1,000.000	1.000
2,304.000	47.03	74.00	26.97	40.43	54.00	13.57	-1.21	V	170.3	2.46	1,000.000	1.000
3,885.000	52.18	74.00	21.82	42.59	54.00	11.41	7.17	H	106.7	1.03	1,000.000	1.000

2026-03-31 / 17:50

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Table 23. Radiated Measurements at 3 meters

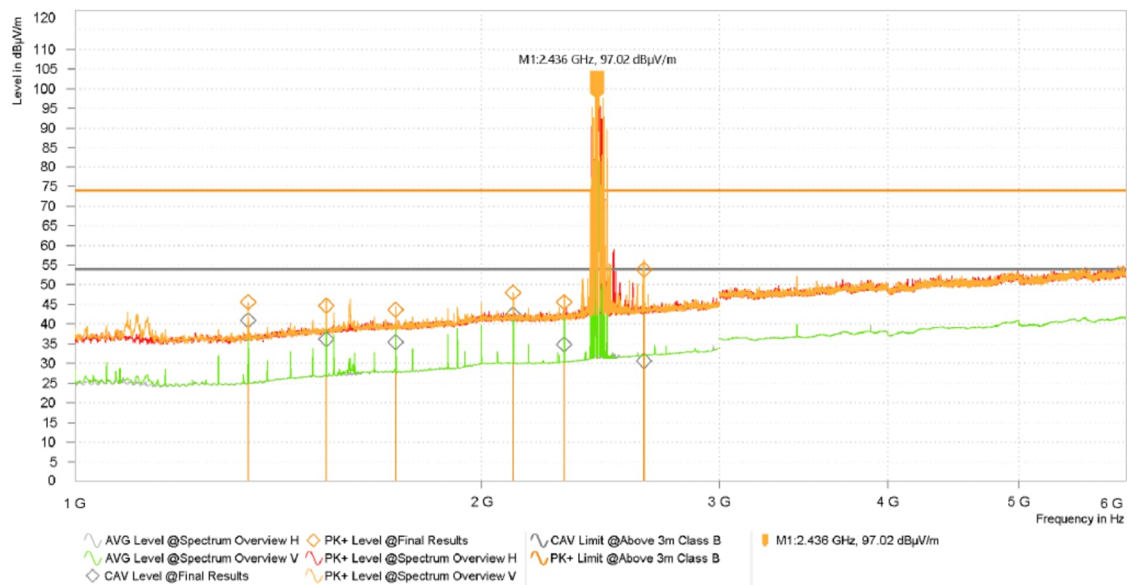
Wi-Fi 2.4 GHz (1 GHz to 6 GHz)

Test Report

Test Information

Test Description: Radiated Emission(NK-26-E-0195)
 Test Site: 3 m Chamber
 Test Standard: FCC Part 15 Subpart B Class B
 Environment Conditions: AC 120 V, 60 Hz
 Operator Name: Hyunho, Choi
 Mode: WiFi 2.4 GHz

Spectrum Overview Polarization



EMI Final Results

Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	CAV Level [dBµV/m]	CAV Limit [dBµV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
1,344.000	45.56	74.00	28.44	40.90	54.00	13.10	-7.63	V	138.2	1.95	1,000.000	1.000
1,535.500	44.67	74.00	29.33	36.20	54.00	17.80	-5.38	V	203.4	0.99	1,000.000	1.000
1,728.000	43.66	74.00	30.34	35.39	54.00	18.61	-3.94	V	72.7	1.01	1,000.000	1.000
2,112.000	47.97	74.00	26.03	42.40	54.00	11.60	-1.56	V	203.4	1.00	1,000.000	1.000
2,303.500	45.58	74.00	28.42	34.81	54.00	19.19	-1.21	V	171	1.95	1,000.000	1.000
2,640.000	53.74	74.00	20.26	30.59	54.00	23.41	0.64	V	105.8	2.49	1,000.000	1.000

2026-03-31 / 14:34

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Table 24. Radiated Measurements at 3 meters

Wi-Fi 5.2 GHz (1 GHz to 6 GHz)

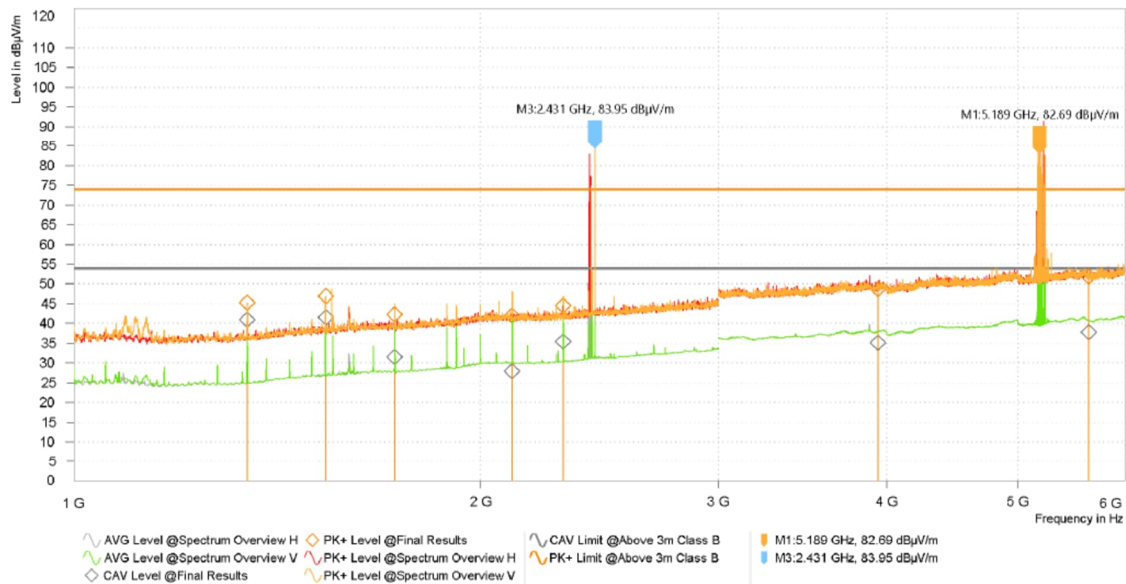
RE_1GHz-6GHz_FILTER_Class B_Test

Test Report

Test Information

Test Description: Radiated Emission(NK-26-E-0195)
 Test Site: 3 m Chamber
 Test Standard: FCC Part 15 Subpart B Class B
 Environment Conditions: AC 120 V, 60 Hz
 Operator Name: Hyunho, Choi
 Mode: WiFi 5.2 GHz

Spectrum Overview Polarization



EMI Final Results

Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	CAV Level [dBµV/m]	CAV Limit [dBµV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
1,344.000	45.23	74.00	28.77	40.90	54.00	13.10	-7.63	V	136.5	1.02	1,000.000	1.000
1,536.000	46.89	74.00	27.11	41.55	54.00	12.45	-5.38	V	202.2	1.52	1,000.000	1.000
1,727.500	42.28	74.00	31.72	31.52	54.00	22.48	-3.94	V	72.2	1.00	1,000.000	1.000
2,112.000	42.06	74.00	31.94	27.97	54.00	26.03	-1.56	V	202.2	0.99	1,000.000	1.000
2,304.000	44.59	74.00	29.41	35.49	54.00	18.51	-1.21	V	72.2	1.01	1,000.000	1.000
3,939.000	48.69	74.00	25.31	35.18	54.00	18.82	6.99	V	22.7	1.02	1,000.000	1.000
5,642.500	51.90	74.00	22.10	37.88	54.00	16.12	11.39	V	152.9	1.00	1,000.000	1.000

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Table 25. Radiated Measurements at 3 meters

Wi-Fi 5.8 GHz (1 GHz to 6 GHz)

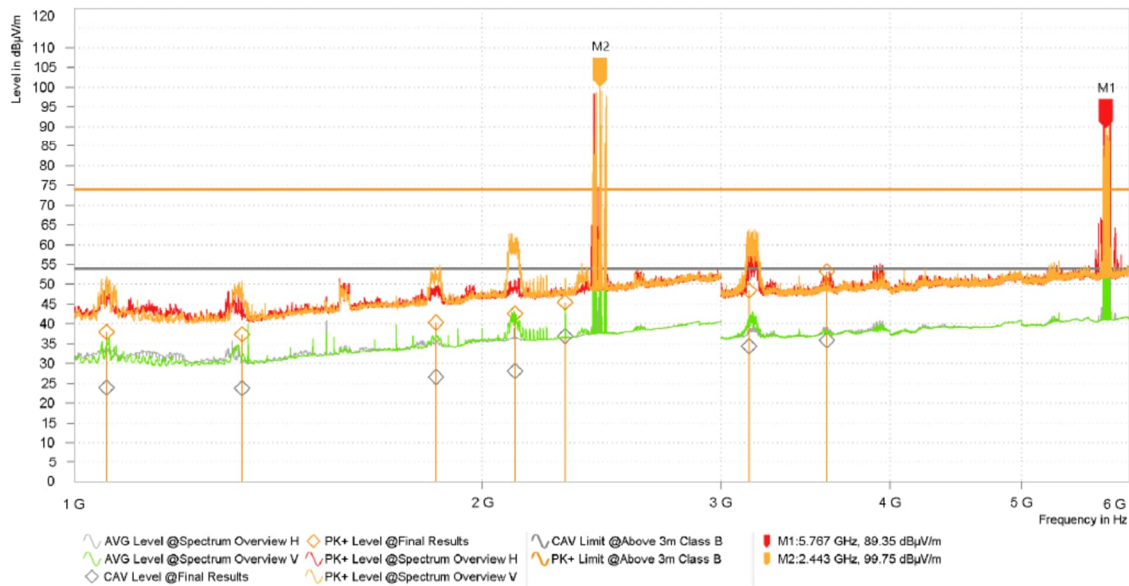
RE_1GHz-6GHz_FILTER_Class B_Test

Test Report

Test Information

Test Description: Radiated Emission(NK-26-E-0195)
 Test Site: 3 m Chamber
 Test Standard: FCC Part 15 Subpart B Class B
 Environment Conditions: AC 120 V, 60 Hz
 Operator Name: Hyunho, Choi
 Mode: WiFi 5.8 GHz

Spectrum Overview Polarization



EMI Final Results

Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	CAV Level [dBµV/m]	CAV Limit [dBµV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
1,057.000	37.90	74.00	36.10	23.91	54.00	30.09	-8.27	V	85.6	2.50	1,000.000	1.000
1,330.000	37.32	74.00	36.68	23.74	54.00	30.26	-7.84	V	85.6	1.42	1,000.000	1.000
1,849.000	40.36	74.00	33.64	26.56	54.00	27.44	-3.18	V	52.5	1.00	1,000.000	1.000
2,114.500	42.56	74.00	31.44	28.12	54.00	25.88	-1.58	V	85.6	1.46	1,000.000	1.000
2,304.000	45.45	74.00	28.55	36.87	54.00	17.13	-1.21	V	118.2	2.45	1,000.000	1.000
3,147.000	48.37	74.00	25.63	34.41	54.00	19.59	5.63	V	101.3	2.50	1,000.000	1.000
3,594.000	53.16	74.00	20.84	35.84	54.00	18.16	6.10	H	76.8	1.00	1,000.000	1.000

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Table 26. Radiated Measurements at 3 meters

Wi-Fi 6 GHz (1 GHz to 7 GHz)

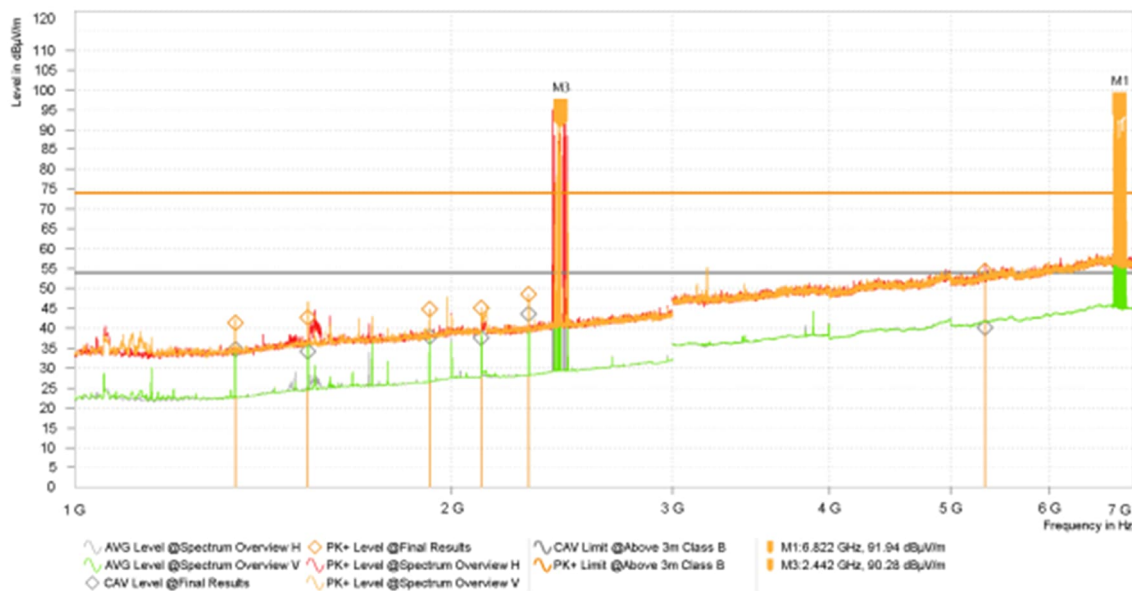
RE_1GHz-6GHz_FILTER_Class B(260406)_Test

Test Report

Test Information

Test Description: Radiated Emission(NK-26-E-0195)
 Test Site: 3 m Chamber
 Test Standard: FCC Part 15 Subpart B Class B
 Environment Conditions: AC 120 V, 60 Hz
 Operator Name: Hyunho, Choi
 Mode: WiFi 6 GHz

Spectrum Overview Polarization



EMI Final Results

Frequency [MHz]	PK+ Level [dBuV/m]	PK+ Limit [dBuV/m]	PK+ Margin [dB]	CAV Level [dBuV/m]	CAV Limit [dBuV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
1,344.000	41.33	74.00	32.67	34.85	54.00	19.15	-10.33	V	200.7	1.01	1,000.000	1.000
1,535.500	42.74	74.00	31.26	34.24	54.00	19.76	-8.15	V	200.7	1.02	1,000.000	1.000
1,920.000	44.77	74.00	29.23	38.01	54.00	15.99	-5.71	V	265.3	1.02	1,000.000	1.000
2,112.000	45.06	74.00	28.94	37.60	54.00	16.40	-4.43	V	136.1	1.02	1,000.000	1.000
2,304.000	48.52	74.00	25.48	43.59	54.00	10.41	-3.99	V	200.7	1.01	1,000.000	1.000
5,330.000	54.47	74.00	19.53	40.22	54.00	13.78	10.69	H	336.8	1.01	1,000.000	1.000

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Table 27. Radiated Measurements at 3 meters

Wi-Fi 6 GHz (7 GHz to 18 GHz)

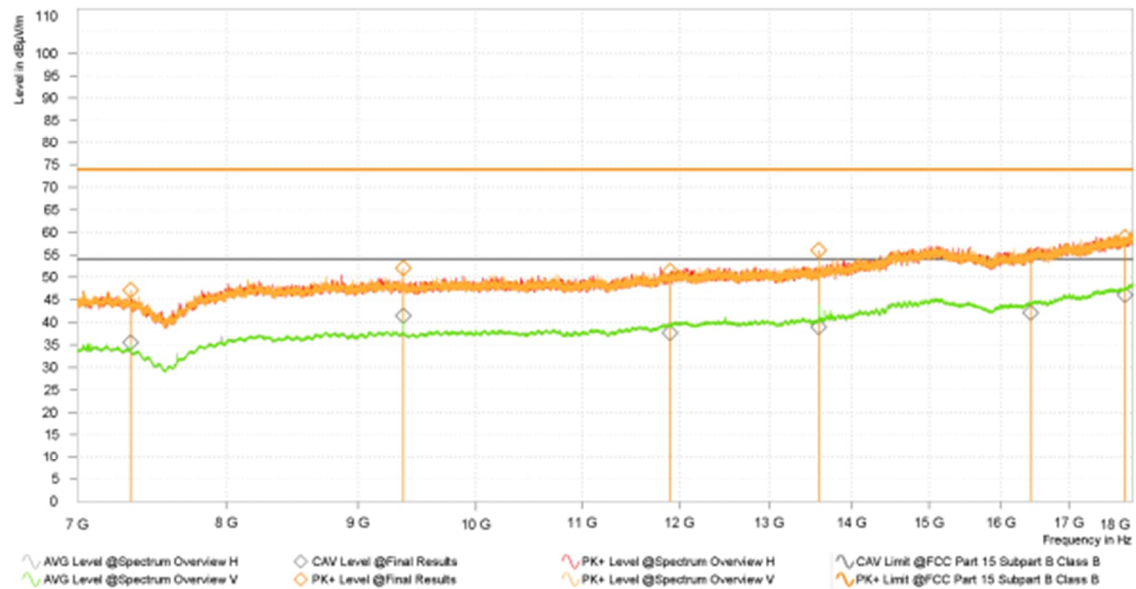
RE_6GHz-18GHz_Direct_Class B(260406)_Test

Test Report

Test Information

Test Description: Radiated Emission(NK-26-E-0195)
 Test Site: 3 m Chamber
 Test Standard: FCC Part 15 Subpart B Class B
 Environment Conditions: AC 120 V, 60 Hz
 Operator Name: Hyunho, Choi
 Mode: WiFi 6 GHz

Spectrum Overview Polarization



EMI Final Results

Frequency [MHz]	PK+ Level [dBuV/m]	PK+ Limit [dBuV/m]	PK+ Margin [dB]	CAV Level [dBuV/m]	CAV Limit [dBuV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
7,343.500	47.17	74.00	26.83	35.53	54.00	18.47	2.93	V	122.8	1.36	1,000.000	1.000
9,375.000	52.02	74.00	21.98	41.44	54.00	12.56	5.55	H	321.1	1.32	1,000.000	1.000
11,897.500	51.43	74.00	22.57	37.59	54.00	16.41	7.23	H	88.4	2.45	1,000.000	1.000
13,592.000	56.04	74.00	17.96	38.91	54.00	15.09	8.64	V	48.5	0.99	1,000.000	1.000
16,425.500	54.77	74.00	19.23	42.18	54.00	11.82	10.10	V	344.3	2.50	1,000.000	1.000
17,874.500	58.88	74.00	15.12	46.10	54.00	7.90	15.00	V	353.4	0.99	1,000.000	1.000

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Table 28. Radiated Measurements at 3 meters

Wi-Fi 6 GHz (18 GHz to 26.5 GHz)]

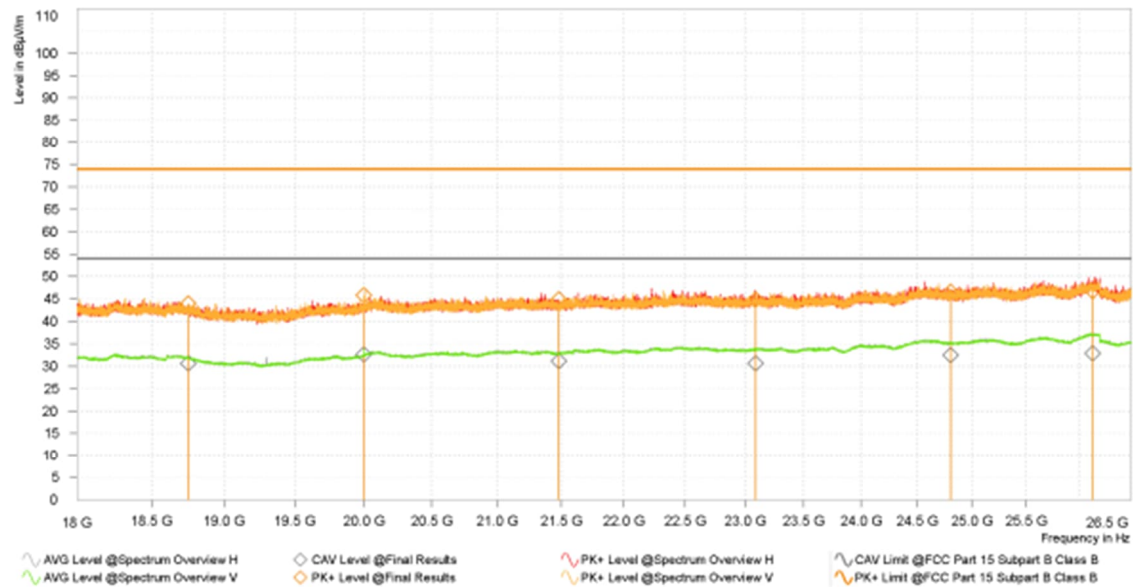
RE_18GHz-26.5GHz_Direct_Class B(260406)_Test

Test Report

Test Information

Test Description: Radiated Emission(NK-26-E-0195)
 Test Site: 3 m Chamber
 Test Standard: FCC Part 15 Subpart B Class B
 Environment Conditions: AC 120 V, 60 Hz
 Operator Name: Hyunho, Choi
 Mode: WiFi 6 GHz

Spectrum Overview Polarization



EMI Final Results

Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	CAV Level [dBµV/m]	CAV Limit [dBµV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
18,749.417	44.04	74.00	29.96	30.60	54.00	23.40	0.97	H	291.8	0.99	1,000.000	1.000
19,999.389	45.76	74.00	28.24	32.56	54.00	21.44	1.07	V	201.2	2.48	1,000.000	1.000
21,484.056	44.87	74.00	29.13	31.14	54.00	22.86	0.34	V	234.4	0.99	1,000.000	1.000
23,091.500	44.85	74.00	29.15	30.61	54.00	23.39	0.90	H	159.2	1.03	1,000.000	1.000
24,805.194	46.59	74.00	27.41	32.44	54.00	21.56	2.02	V	134.8	2.10	1,000.000	1.000
26,129.778	46.75	74.00	27.25	32.91	54.00	21.09	3.00	V	334	2.04	1,000.000	1.000

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Table 29. Radiated Measurements at 3 meters

Wi-Fi 6 GHz (26.5 GHz to 40 GHz)]

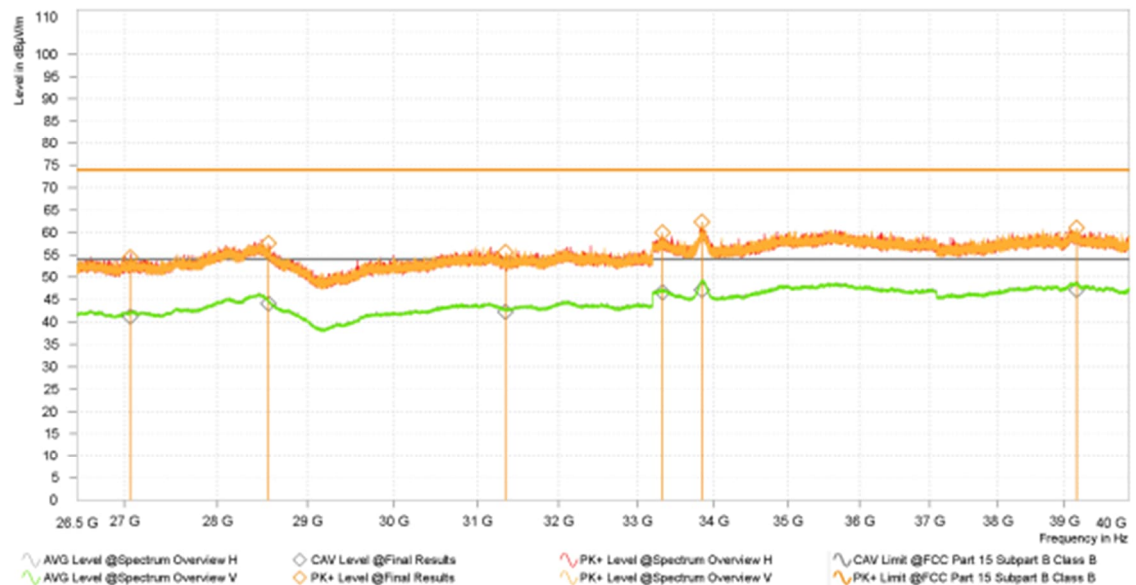
RE_26.5GHz-40GHz_Direct_Class B(260406)_Test

Test Report

Test Information

Test Description: Radiated Emission(NK-26-E-0195)
 Test Site: 3 m Chamber
 Test Standard: FCC Part 15 Subpart B Class B
 Environment Conditions: AC 120 V, 60 Hz
 Operator Name: Hyunho, Choi
 Mode: WiFi 6 GHz

Spectrum Overview Polarization



EMI Final Results

Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	CAV Level [dBµV/m]	CAV Limit [dBµV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
27,061.696	54.39	74.00	19.61	41.21	54.00	12.79	10.20	V	131	0.99	1,000.000	1.000
28,564.536	57.62	74.00	16.38	44.07	54.00	9.93	13.85	V	131	1.90	1,000.000	1.000
31,341.196	55.61	74.00	18.39	42.29	54.00	11.71	13.09	V	359.9	2.32	1,000.000	1.000
33,326.179	59.94	74.00	14.06	46.59	54.00	7.41	13.91	V	131	1.14	1,000.000	1.000
33,842.071	62.33	74.00	11.67	47.17	54.00	6.83	13.45	H	108	2.49	1,000.000	1.000
39,189.036	60.99	74.00	13.01	47.09	54.00	6.91	15.85	V	359.9	0.99	1,000.000	1.000

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Table 30. Radiated Measurements at 3 meters

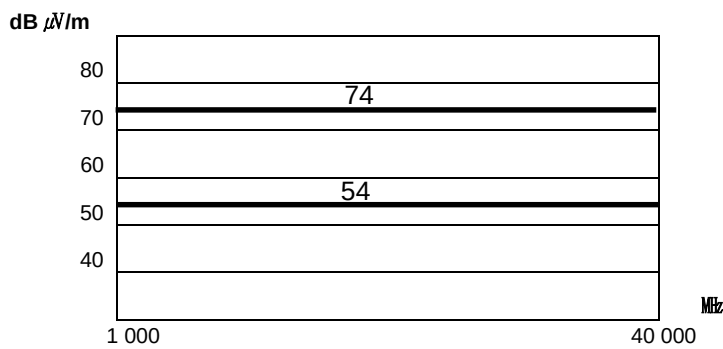


Fig. 6. Limits at 3 meters

NOTES:

1. Above 1 GHz, the radiated limits are shown on Figure 5.

NOTES : 1. Polarization : H = Horizontal, V = Vertical

2. Corr. = Antenna Factor + Cable Loss + Amplifier.

3. The limit for Class B device is on the FCC Part section 15.109(a).

4. Above 1 GHz, peak detector function mode is used using a resolution bandwidth of 1 MHz and a video bandwidth of 1 MHz, CISPR average detector function mode is used using a resolution bandwidth of 1 MHz and a video bandwidth of 1 MHz.

Peak mode is used with linearly polarized horn antenna and low-loss microwave cable.

5. Test data in this section has been taken against the FCC 15.109(a) or (b) limit as it is the most stringent limit. By complying with more restrictive FCC 15.109 limit compliance with the ICES-003 Issue 7 limit also demonstrated.



Tested by : Hyunho Choi

ACCURACY OF MEASUREMENT

The Measurement Uncertainties stated were calculated in accordance with the requirements of measurement uncertainty contained in CISPR 16-4-2 with the confidence level of 95 %

1. Conducted Uncertainty Calculation

Source of Uncertainty	X_i	Uncertainty of X_i		Coverage factor k	$u(X_i)$ (dB)	C_i	$C_i u(X_i)$ (dB)
		Value (dB)	Probability Distribution				
Receiver reading	R_i	± 0.73	normal 1	1.00	0.73	1	0.73
AMN Voltage division factor	L_{AMN}	± 0.16	normal 2	2.00	0.08	1	0.08
Sine wave voltage	dV_{SW}	± 0.18	normal 2	2.00	0.09	1	0.09
Pulse amplitude response	dV_{PA}	± 0.58	normal 2	2.00	0.29	1	0.29
Pulse repetition rate response	dV_{PR}	± 0.35	normal 2	2.00	0.18	1	0.18
Noise floor proximity	dV_{NF}	± 0.00	rectangular	$\sqrt{3}$	0.00	1	0.00
AMN VDF frequency interpolation	dV_{FI}	± 0.10	rectangular	$\sqrt{3}$	0.06	1	0.06
AMN Impedance	d_z	± 1.63	normal 2	2.00	0.82	1	0.82
Mismatch : AMN-Receiver	M	± 0.07	U-Shaped	$\sqrt{2}$	0.05	1	0.05
Combined Standard Uncertainty	Normal			$u_c = 1.16$ dB			
Expended Uncertainty U	Normal ($k = 2$)			$U = 2.32$ dB (CL* is approx. 95 %, $k = 2$)			

*) CL : Confidence Level

2. Radiation Uncertainty Calculation (Below 1 GHz)

Source of Uncertainty	X_i	Uncertainty of X_i		Coverage factor k	$u(X_i)$ (dB)	C_i	$C_{i u(X_i)}$ (dB)
		Value (dB)	Probability Distribution				
Receiver reading	R_i	± 0.30	normal 1	1.00	0.30	1	0.20
Sine wave voltage	dV_{sw}	± 0.18	normal 2	2.00	0.09	1	0.09
Pulse amplitude response	dV_{pa}	± 0.70	normal 2	2.00	0.35	1	0.35
Pulse repetition rate response	dV_{pr}	± 0.70	normal 2	2.00	0.35	1	0.35
Noise floor proximity	dV_{nf}	± 0.50	normal 2	2.00	0.29	1	0.29
Antenna Factor Calibration	A_F	± 1.30	normal 2	2.00	0.65	1	0.65
Antenna Directivity	A_D	± 0.50	rectangular	$\sqrt{3}$	0.29	1	0.29
Antenna Factor Height Dependence	A_H	± 0.50	rectangular	$\sqrt{3}$	0.29	1	0.29
Antenna Phase Centre Variation	A_P	± 0.20	rectangular	$\sqrt{3}$	0.12	1	0.12
Antenna Factor Frequency Interpolation	A_i	± 0.30	rectangular	$\sqrt{3}$	0.17	1	0.17
Site Imperfections	S_i	± 4.00	triangular	$\sqrt{6}$	1.63	1	1.63
Measurement Distance Variation	D_v	± 0.10	rectangular	$\sqrt{3}$	0.06	1	0.06
Antenna Balance	D_{bal}	± 1.00	rectangular	$\sqrt{3}$	0.58	1	0.58
Cross Polarisation	D_{Cross}	± 0.90	rectangular	$\sqrt{3}$	0.52	1	0.52
Mismatch	M	+ 0.89 - 1.00	U-Shaped	$\sqrt{2}$	0.70	1	0.70
Combined Standard Uncertainty	Normal			$u_c = 2.20$ dB			
Expanded Uncertainty U	Normal ($k = 2$)			$U = 4.40$ dB (CL* is approx. 95 %, $k = 2$)			

*) CL : Confidence Level

3. Radiation Uncertainty Calculation (Above 1 GHz)

Source of Uncertainty	X_i	Uncertainty of X_i		Coverage factor k	$u(X_i)$ (dB)	C_i	C_i $u(X_i)$ (dB)
		Value (dB)	Probability Distribution				
Receiver Reading	R_i	± 1.04	normal 1	1	1.04	1	1.04
Preamplifier gain SCU18F (1 - 18) GHz SCU26F (18 - 26) GHz SCU40-F (26 - 40) GHz	G_p	± 0.23 ± 0.35 ± 0.33	normal 2	2	0.12 0.18 0.17	1	0.12 0.18 0.17
Receiver Sine Wave	dV_{sw}	± 0.25	normal 2	2	0.13	1	0.13
Instability of preamp gain	dG_{pw}	± 1.2	rectangular	$\sqrt{3}$	0.70	1	0.70
Noise Floor Proximity	dV_{nf}	± 1.00	rectangular	$\sqrt{3}$	0.58	1	0.58
Antenna Factor Calibration HF907 (1 - 18) GHz QSH20S20 (18 - 26) GHz QMS-00238 (26 - 40) GHz	A_F	± 1.40 ± 1.60 ± 1.60	normal 2	2	0.70 0.80 0.80	1	0.70 0.80 0.80
Directivity difference	A_D	± 3.00	rectangular	$\sqrt{3}$	0.87	1	0.87
Phase Centre location	A_P	± 0.30	rectangular	$\sqrt{3}$	0.17	1	0.17
Antenna Factor Frequency Interpolation	A_i	± 0.30	rectangular	$\sqrt{3}$	0.17	1	0.17
Site Imperfections	S_i	± 3.00	triangular	$\sqrt{6}$	1.22	1	1.22
Effect of setup table material	dA_{NT}	± 2.00	rectangular	$\sqrt{3}$	0.87	1	0.87
Separation distance	d_b	± 0.30	rectangular	$\sqrt{3}$	0.17	1	0.17
Cross Polarization	D_{Cross}	± 0.90	rectangular	$\sqrt{3}$	0.52	1	0.52
Mismatch (antenna-Preamplifier)	M	+ 1.30 - 1.50	U-Shaped	$\sqrt{2}$	1.09	1	1.09
Mismatch (preamplifier-receiver)	M	+ 1.20 - 1.40	U-Shaped	$\sqrt{2}$	1.18	1	1.18
Combined Standard Uncertainty	Normal			(1 - 18) GHz : $u_c = 2.90$ dB (18 - 26) GHz : $u_c = 2.93$ dB (26 - 40) GHz : $u_c = 2.93$ dB			
Expanded Uncertainty U	Normal ($k = 2$)			(1 - 18) GHz : $U = 5.80$ dB (18 - 26) GHz : $U = 5.86$ dB (26 - 40) GHz : $U = 5.86$ dB (CL* is approx. 95 %, $k = 2$)			

*) CL : Confidence Level

LIST OF TEST EQUIPMENT

No.	Instrument	Manufacturer	Model	Serial No.	Calibration Due Date	Calibration Interval
1	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESR3	102930	2026.07.02	1 year
2	TWO-LINE V-NETWORK	ROHDE & SCHWARZ	ENV216	102829	2026.07.02	1 year
3	EMC Measurement software	ROHDE & SCHWARZ	EMC32	Version 11.50	-	-
4	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESW44	103221	2027.01.06	1 year
5	Low Noise Amplifier	TESTEK	TK-PA01S	250111-L	2027.03.26	1 year
6	Open Switch and Control Unit	ROHDE & SCHWARZ	OSP230	101830	-	-
7	TILT ANTENNA MAST	innco systems GmbH	MA4640/800-XP-EP	NK-B-E-0205	-	-
8	Turntable	innco systems GmbH	DT3000-3t	NK-B-E-0206	-	-
9	CONTROLLER	innco systems GmbH	CO3000	CO3000/1373/52220621/P	-	-
10	TRILOG Broadband Test Antenna	SCHWARZBECK	VULB 9163	1736	2026.08.12	2 year
11	ATTENUATOR	FAIRVIEW	SA3N5W-06	NK-B-E-0455	2026.07.02	1 year
12	EMC Measurement software	ROHDE & SCHWARZ	ELEKTRA	Version 5.03.1	-	-
13	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESW44	103318	2027.01.07	1 year
14	Turntable	innco systems GmbH	DS2000-S-2t	NK-B-E-0360	-	-
15	CONTROLLER	innco systems GmbH	CO3000	CO3000/1473/54610422/P	-	-
16	Open Switch and Control Unit	ROHDE & SCHWARZ	OSP220	102977	-	-
17	TILT ANTENNA MAST	innco systems GmbH	MA4640/800-XP-EP	NK-B-E-0422	-	-
18	DOUBLE RIDGED HORN ANTENNA	ROHDE & SCHWARZ	HF907	103175	2026.10.02	1 year
19	Signal Conditioning Unit	ROHDE & SCHWARZ	SCU18F	101056	2027.03.26	1 year
20	Horn Antenna	Steatite Antennas	QMS-00225	32226	2027.01.09	1 year
21	Horn Antenna	Steatite Antennas	QMS-00238	32225	2027.01.09	1 year
22	WiFi Filter Bank	ROHDE & SCHWARZ	U082	U082-001	-	-
23	Multimeter	FLUKE Corporation	FLUKE-101	58980136WS	2026.01.08	1 year

-END-