

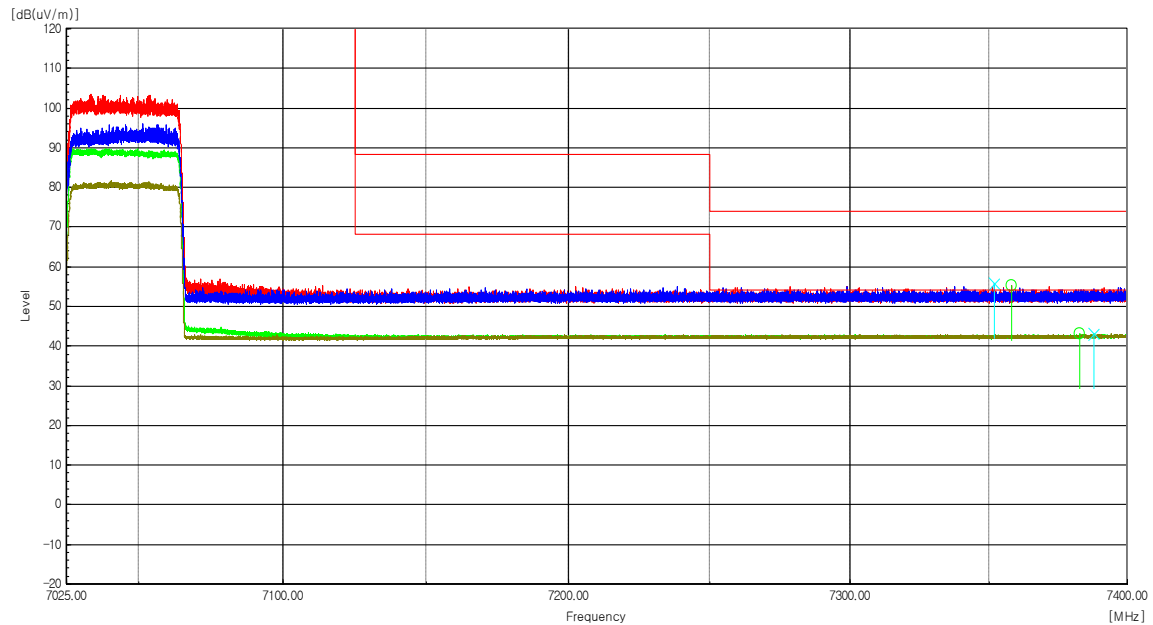


CTK Co., Ltd.

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si,
Gyeonggi-do, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2026-00064
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Worst Case Mode :	802.11ax_HE80_484T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	7 025 MHz
Channel :	215



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dBuV/m]	Level AV [dBuV/m]	Limit PK [dBuV/m]	Limit AV [dBuV/m]	Margin PK [dB]	Margin AV [dB]	Note
7 351.92	V	46.6	9.1	-----	55.70	-----	74.00	-----	18.30	-----	Peak
7 358.16	H	46.0	9.1	-----	55.10	-----	74.00	-----	18.90	-----	Peak
7 382.87	H	33.8	9.2	0.28	-----	43.28	-----	54.00	-----	10.72	Average
7 387.86	V	33.8	9.2	0.28	-----	43.28	-----	54.00	-----	10.72	Average

Radiated Restricted Band Edge Plot

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Test Mode : Transmitter (802.11ax_HE80_996T)

The requirements are:

☒ Complies

Ch.7(5 985 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dBuV/m]	Level AV [dBuV/m]	Limit PK [dBuV/m]	Limit AV [dBuV/m]	Margin PK [dB]	Margin AV [dB]	Note
11 953.88	V	35.4	9.2	0.31	-----	44.91	-----	54.00	-----	9.09	Average
11 957.96	V	48.9	9.2	-----	58.10	-----	74.00	-----	15.90	-----	Peak
11 963.40	H	33.5	9.2	0.31	-----	43.01	-----	54.00	-----	10.99	Average
11 964.08	H	45.8	9.2	-----	55.00	-----	74.00	-----	19.00	-----	Peak

Ch.39(6 145 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dBuV/m]	Level AV [dBuV/m]	Limit PK [dBuV/m]	Limit AV [dBuV/m]	Margin PK [dB]	Margin AV [dB]	Note
12 304.77	V	36.1	9.5	0.31	-----	45.91	-----	54.00	-----	8.09	Average
12 306.13	H	33.1	9.5	0.31	-----	42.91	-----	54.00	-----	11.09	Average
12 307.49	H	47.3	9.5	-----	56.80	-----	74.00	-----	17.20	-----	Peak

Ch.87(6 385 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dBuV/m]	Level AV [dBuV/m]	Limit PK [dBuV/m]	Limit AV [dBuV/m]	Margin PK [dB]	Margin AV [dB]	Note
12 763.79	V	51.4	11.3	-----	62.70	-----	74.00	-----	11.30	-----	Peak
12 773.31	H	33.7	11.3	0.31	-----	45.31	-----	54.00	-----	8.69	Average
12 777.39	V	36.7	11.4	0.31	-----	48.41	-----	54.00	-----	5.59	Average
12 787.59	H	48.4	11.4	-----	59.80	-----	74.00	-----	14.20	-----	Peak

Ch.103(6 465 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dBuV/m]	Level AV [dBuV/m]	Limit PK [dBuV/m]	Limit AV [dBuV/m]	Margin PK [dB]	Margin AV [dB]	Note
12 924.96	H	46.5	12.1	-----	58.60	-----	74.00	-----	15.40	-----	Peak
12 929.04	H	32.2	12.1	0.31	-----	44.61	-----	54.00	-----	9.39	Average
12 932.44	V	35.6	12.2	0.31	-----	48.11	-----	54.00	-----	5.89	Average
12 944.68	V	51.7	12.3	-----	64.00	-----	74.00	-----	10.00	-----	Peak

Ch.119(6 545 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dBuV/m]	Level AV [dBuV/m]	Limit PK [dBuV/m]	Limit AV [dBuV/m]	Margin PK [dB]	Margin AV [dB]	Note
13 084.08	V	50.6	12.3	-----	62.90	-----	74.00	-----	11.10	-----	Peak
13 088.16	H	46.3	12.3	-----	58.60	-----	74.00	-----	15.40	-----	Peak
13 088.84	V	34.9	12.3	0.31	-----	47.51	-----	54.00	-----	6.49	Average
13 092.24	H	33.6	12.3	0.31	-----	46.21	-----	54.00	-----	7.79	Average

Ch.135(6 625 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dBuV/m]	Level AV [dBuV/m]	Limit PK [dBuV/m]	Limit AV [dBuV/m]	Margin PK [dB]	Margin AV [dB]	Note
13 258.85	V	36.0	12.9	0.31	-----	49.21	-----	54.00	-----	4.79	Average
13 262.93	H	34.0	12.9	0.31	-----	47.21	-----	54.00	-----	6.79	Average
13 278.57	V	50.1	12.9	-----	63.00	-----	74.00	-----	11.00	-----	Peak
13 281.29	H	46.9	12.9	-----	59.80	-----	74.00	-----	14.20	-----	Peak

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Ch.151(6 705 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dBuV/m]	Level AV [dBuV/m]	Limit PK [dBuV/m]	Limit AV [dBuV/m]	Margin PK [dB]	Margin AV [dB]	Note
13 409.82	V	49.7	13.4	-----	63.10	-----	74.00	-----	10.90	-----	Peak
13 424.78	H	48.5	13.4	-----	61.90	-----	74.00	-----	12.10	-----	Peak
13 425.46	V	36.1	13.4	0.31	-----	49.81	-----	54.00	-----	4.19	Average
13 426.82	H	33.7	13.4	0.31	-----	47.41	-----	54.00	-----	6.59	Average

Ch.167(6 785 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dBuV/m]	Level AV [dBuV/m]	Limit PK [dBuV/m]	Limit AV [dBuV/m]	Margin PK [dB]	Margin AV [dB]	Note
13 563.50	H	46.1	13.6	-----	59.70	-----	74.00	-----	14.30	-----	Peak
13 570.30	V	34.4	13.7	0.31	-----	48.41	-----	54.00	-----	5.59	Average
13 577.78	H	33.6	13.7	0.31	-----	47.61	-----	54.00	-----	6.39	Average
13 598.86	V	48.8	13.7	-----	62.50	-----	74.00	-----	11.50	-----	Peak

Ch.183(6 865 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dBuV/m]	Level AV [dBuV/m]	Limit PK [dBuV/m]	Limit AV [dBuV/m]	Margin PK [dB]	Margin AV [dB]	Note
13 713.79	H	45.1	14.1	-----	59.20	-----	74.00	-----	14.80	-----	Peak
13 728.07	V	32.9	14.1	0.31	-----	47.31	-----	54.00	-----	6.69	Average
13 731.47	H	32.4	14.1	0.31	-----	46.81	-----	54.00	-----	7.19	Average
13 742.35	V	47.5	14.2	-----	61.70	-----	74.00	-----	12.30	-----	Peak

Ch.199(6 945 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dBuV/m]	Level AV [dBuV/m]	Limit PK [dBuV/m]	Limit AV [dBuV/m]	Margin PK [dB]	Margin AV [dB]	Note
13 896.03	V	45.6	14.1	-----	59.70	-----	74.00	-----	14.30	-----	Peak
13 902.83	H	32.6	14.2	0.31	-----	47.11	-----	54.00	-----	6.89	Average
13 904.88	V	34.4	14.2	0.31	-----	48.91	-----	54.00	-----	5.09	Average
13 923.24	H	44.4	14.4	-----	58.80	-----	74.00	-----	15.20	-----	Peak

Ch.215(7 025 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dBuV/m]	Level AV [dBuV/m]	Limit PK [dBuV/m]	Limit AV [dBuV/m]	Margin PK [dB]	Margin AV [dB]	Note
14 027.96	V	45.3	14.2	-----	59.50	-----	74.00	-----	14.50	-----	Peak
14 033.40	H	31.9	14.1	0.31	-----	46.31	-----	54.00	-----	7.69	Average
14 036.80	H	43.9	14.1	-----	58.00	-----	74.00	-----	16.00	-----	Peak
14 036.80	V	33.0	14.1	0.31	-----	47.41	-----	54.00	-----	6.59	Average

Remarks

1. Measuring position : The Unwanted emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X,Y axis). The worst emission was found in lie-down position (Z axis) and the worst case was recorded.
2. Peak result = Reading + c.f (Correction factor)
Average result = Reading + c.f (Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp gain
4. The 18 GHz end had no signal detected. As can be seen from the conducted spurious emission test, no signal was detected in the section.

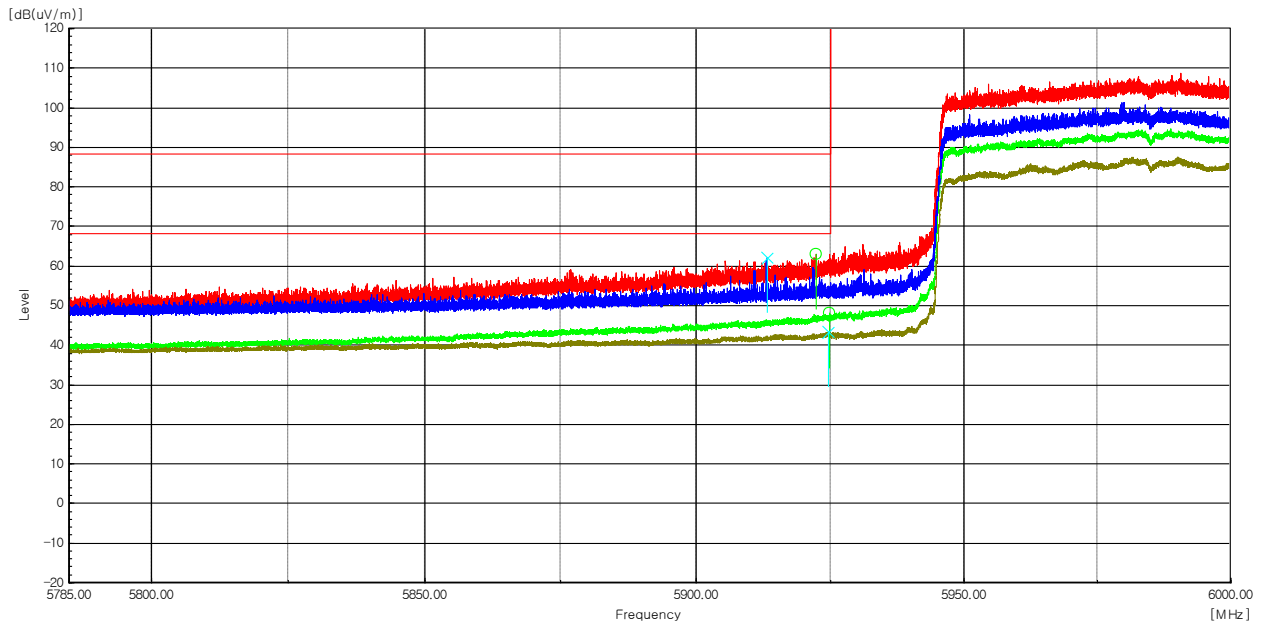


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Worst Case Mode :	802.11ax_HE80_996T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 985 MHz
Channel :	7



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dBuV/m]	Level AV [dBuV/m]	Limit PK [dBuV/m]	Limit AV [dBuV/m]	Margin PK [dB]	Margin AV [dB]	Note
5 913.16	V	56.0	6.2	-----	62.20	-----	88.20	-----	26.00	-----	Peak
5 922.30	H	56.7	6.3	-----	63.00	-----	88.20	-----	25.20	-----	Peak
5 924.71	V	37.0	6.3	0.31	-----	43.61	-----	68.20	-----	24.59	Average
5 924.82	H	41.8	6.3	0.31	-----	48.41	-----	68.20	-----	19.79	Average

Radiated Restricted Band Edge Plot

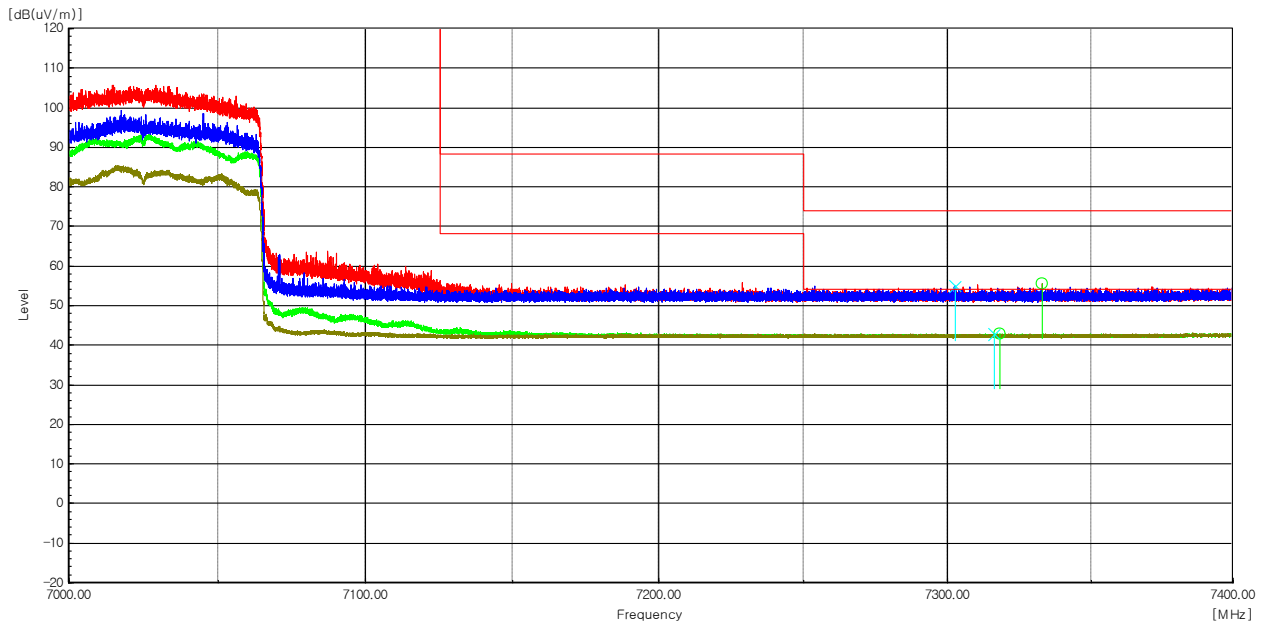


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Worst Case Mode :	802.11ax_HE80_996T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	7 025 MHz
Channel :	215



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dBuV/m]	Level AV [dBuV/m]	Limit PK [dBuV/m]	Limit AV [dBuV/m]	Margin PK [dB]	Margin AV [dB]	Note
7 302.75	V	45.8	9.1	-----	54.90	-----	74.00	-----	19.10	-----	Peak
7 316.32	V	33.8	9.1	0.31	-----	43.21	-----	54.00	-----	10.79	Average
7 318.14	H	33.7	9.1	0.31	-----	43.11	-----	54.00	-----	10.89	Average
7 332.97	H	46.4	9.1	-----	55.50	-----	74.00	-----	18.50	-----	Peak

Radiated Restricted Band Edge Plot

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4.8 AC Conducted Emissions

Test Location

Shielded Room

Frequency Range of measurement

150 kHz to 30 MHz

Instrument Settings

IF Band Width: 9 kHz

Test Procedures

ANSI C63.10-2020 - Section 6.2

The EUT was placed on a non-metallic table 0.8 m above the metallic, grounded floor and 0.4 m from the reference ground plane wall. The distance to other metallic surfaces was at least 0.8 m. Amplitude measurements were performed with a quasi-peak detector and an average detector.

Limit :

- 15.207(a)& RSS-Gen 8.8

Frequency [MHz]	Conducted Limit [dBuV]	
	Quasi-peak	Average**
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5	56	46
5 - 30	60	50

* The level decreases linearly with the logarithm of the frequency.

** A linear average detector is required.

Test Results :

The requirements are:

☒ Complies



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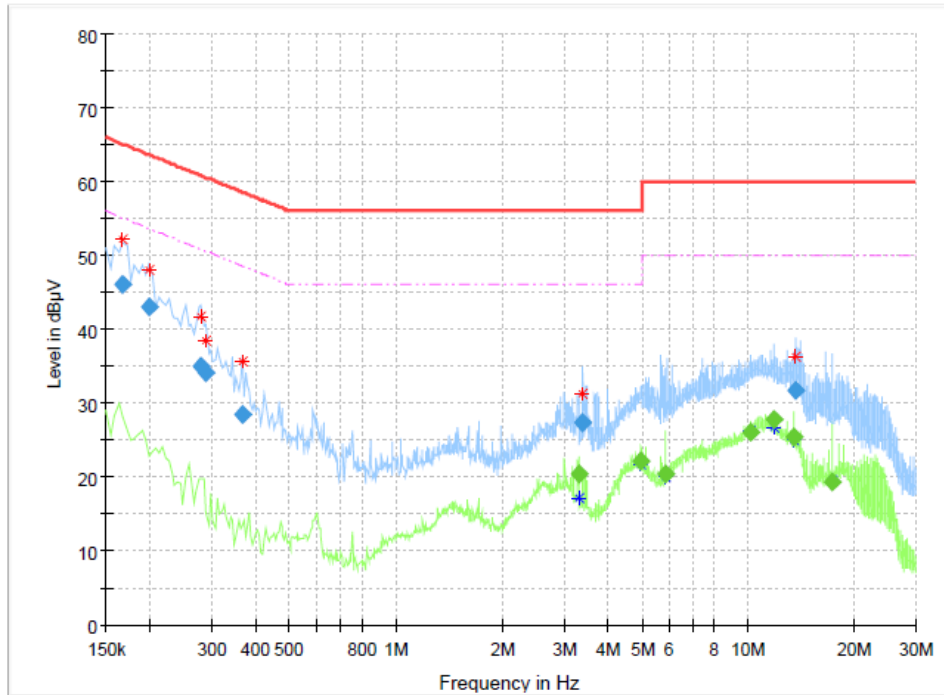
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Test Data :

Test Mode : Transmitter (Simultaneous transmissions DTS + UNII 5)

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.168000	46.17	---	65.06	18.89	15000.0	9.000	L1	ON	9.8
0.199500	43.05	---	63.63	20.58	15000.0	9.000	N	ON	9.8
0.280500	34.96	---	60.80	25.84	15000.0	9.000	N	ON	9.8
0.289500	34.11	---	60.54	26.43	15000.0	9.000	N	ON	9.8
0.366000	28.51	---	58.59	30.08	15000.0	9.000	N	ON	9.9
3.309000	---	20.53	46.00	25.48	15000.0	9.000	L1	ON	9.8
3.408000	27.45	---	56.00	28.55	15000.0	9.000	L1	ON	9.8
4.983000	---	22.09	46.00	23.91	15000.0	9.000	L1	ON	9.9
5.865000	---	20.43	50.00	29.57	15000.0	9.000	L1	ON	10.0
10.167000	---	26.19	50.00	23.81	15000.0	9.000	L1	ON	10.0
11.868000	---	27.83	50.00	22.17	15000.0	9.000	L1	ON	10.1
13.564500	---	25.35	50.00	24.65	15000.0	9.000	L1	ON	10.1
13.708500	31.68	---	60.00	28.32	15000.0	9.000	L1	ON	10.1
17.353500	---	19.44	50.00	30.56	15000.0	9.000	N	ON	10.3

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APPENDIX A – Test Equipment Used For Tests

No.	Name of Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Signal Analyzer	Agilent	N9020A	MY50510324	2024-11-26	2025-11-26
					2025-11-25	2026-11-25
2	Signal Generator	Rohde & Schwarz	SMB100A	175528	2025-03-21	2026-03-21
3	EMI TEST RECEIVER	Rohde & Schwarz	ESW44	102039	2025-04-28	2026-04-28
4	Active Loop Antenna	SCHWARZBECK	FMZB 1513	1513-125	2024-04-15	2026-04-15
5	Bilog Antenna	TESEQ	CBL6111D	60654	2025-08-21	2027-08-21
6	AMPLIFIER	SONOMA INSTRUMENT	310N	411011	2025-07-28	2026-07-28
7	ATTENUATOR	PASTERNAK	PE7AP006-06	L20210504000023	2025-07-28	2026-07-28
8	ATTENUATOR	NONE	6dB	190557	2025-09-18	2026-09-18
9	Preamplifier	Agilent	8449B	3008A00620	2025-03-11	2026-03-11
10	Double Ridged Guide Antenna	ETS-Lindgren	3115	00078895	2025-03-13	2026-03-13
11	Horn Antenna	SCHWARZBECK	BBHA9170	01153	2025-09-30	2026-09-30
12	Low Noise Amplifier	TESTEK	TK-PA1840H	210124-L	2025-09-30	2026-09-30
13	Band Reject Filter	ACERFCOMM	BRF5925-7125	F-5925.7125.R1	2025-09-18	2026-09-18
14	Dual-Tracking DC Power Supply	Topward Electric Instruments Co.,Ltd.	6303D	802204	2025-03-13	2026-03-13
15	Spectrum Analyzer	Rohde & Schwarz	FSV40	101574	2025-01-10	2026-01-10
16	System DC Power Supply	HP	6612C	US37462767	2024-11-25	2025-11-25
					2025-11-25	2026-11-25
17	EMI Test Receiver	R&S	ESR3	102826	2025-04-28	2026-04-28
18	LISN	R&S	ENV216	102698	2025-04-28	2026-04-28
19	Temp&Humi Chamber	ESPEC CORP.	SH-242	93012243	2025-04-28	2026-04-28
20	Dual-Tracking DC Power Supply	Topward Electric Instruments Co.,Ltd.	6303D	802204	2025-03-13	2026-03-13
21	Radio Communication Tester	Rohde & Schwarz	CMX500	100238	2025-07-07	2026-07-07
22	Vector Signal Generator	Rohde & Schwarz	SMW200A	112267	2025-07-02	2026-07-02
23	Combiner/Divider	Weinschel	1594	717	2025-09-18	2026-09-18

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No.	Cable	Manufacturer	Model No.	Serial No.	Check Date
1	RF Cable(conducted)	Junkosha Inc.	MWX221	2008S240	2025-10-29
2	RF Cable (Line Conducted)	Canare Corporation	L-5D2W	N/A	2025-03-05
3	RF Cable (9kHz-1GHz Radiated)	Canare Corporation	L-5D2W	N/A	2025-03-05
4	RF Cable (9kHz-1GHz Radiated)	HUBER+SUHNER	SUCOFLEX 104	MY27558/4	2025-03-05
5	RF Cable (1GHz-18GHz Radiated)	Junkosha Inc.	MWX221	2008S246	2025-02-21
6	RF Cable (1GHz-18GHz Radiated)	Junkosha Inc.	MWX221	J0970749	2025-02-21
7	RF Cable (1GHz-18GHz Radiated)	Sensorview Co., LTD	13A26	TPC2204060007	2025-02-21
8	RF Cable (18GHz-40GHz Radiated)	Sensorview Co., LTD	9A40	TPC220406009	2025-02-21
9	RF Cable (18GHz-40GHz Radiated)	Sensorview Co., LTD	9A40	TP210713-001	2025-02-21

-END-