

## EVALUATION REPORT

**Applicant Name:**  
SAMSUNG Electronics Co., Ltd.

**Date of Issue:**  
May 29, 2024

**Address:**  
129, Samsung-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 16677, Rep. of Korea

**Location:**  
HCT CO., LTD.,  
74, Seoicheon-ro 578beon-gil, Majang-myeon,  
Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA

**FCC ID:** A3LSMF741JPN

**APPLICANT:** SAMSUNG Electronics Co., Ltd.

Equipment Class(es) : DSS, DTS, UNII, DCD, 6CD

Rule Part(s) : 15

Application's Statement : The applicant takes full responsibility that the test data referenced below  
Represents compliance for this FCC ID.

Test Reference : KDB 484596 D01 Reference Test Data v02r03

The detail test data can be found in this documents, Appendix A.

Category	Spot Check	Verdict
Unlicensed EMC	Band Edge	Share
	Spurious Emissions	Share
	Field Strength	Share

The data from that application has been verified through appropriate spot checks to demonstrate compliance for this device as shown in the Cross Reference Table. The detail test data can be found in this documents, Appendix A.



Report prepared by : Jeong Ho Kim

Engineer of Telecommunication testing center



Approved by : Jong Seok Lee

Manager of Telecommunication testing center

## REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	May 28, 2024	Initial Release
1	May 29, 2024	Remove the NFC

### 1. Cross Reference Table (Unlicensed EMC)

1) Data referencing

- [BT], [BT LE 5.3], [UNII], [UNII ax], [UNII 6e], [DTS], [DTS ax], [WPT], [DFS] Test Report

2) Full test

- [DTS], [DTS ax] Test Report → additional test: 802.11b,g,n,ac,ax Ch. 12, Ch. 13

Equipment Class	Rule Part	Test item	Data Referencing	Comments
DSS	15.247(a)(1)	20 dB Bandwidth	Y	-
	N/A	Occupied Bandwidth	Y	-
	15.247(b)(1)	Conducted Maximum Peak Output Power	Y	-
	15.247(a)(1)	Carrier Frequency Separation	Y	-
	15.247(a)(1)(iii)	Number of Hopping Frequencies	Y	-
	15.247(a)(1)(iii)	Time of Occupancy	Y	-
	15.247(d)	Conducted Spurious Emissions	Y	-
	15.247(d)	Band Edge (Out of Band Emissions)	Y	-
	15.207(a)	AC Power line Conducted Emissions	Y	-
	15.247(d), 15.205, 15.209	Radiated Spurious Emissions	Y	Spot-check
	15.247(d), 15.205, 15.209	Radiated Restricted Band Edge	Y	Spot-check

Equipment Class	Rule Part	Test item	Data Referencing	Comments
DTS	15.247(a)(2)	6 dB Bandwidth	Y	
	15.247(b)(3)	Conducted Maximum output power	Y	
	15.247(e).	Power Spectral Density	Y	
	15.247(d)	Band Edge (Out of Band Emissions)	Y	
	15.207	AC Power line conducted Emissions	Y	
	15.247(d) 15.205 15.209	Radiated Spurious Emissions	Y	Spot-check
	15.247(d) 15.205 15.209	Radiated Restricted Band Edge	Y	Spot-check

Equipment Class	Rule Part	Test item	Data Referencing	Comments
DCD	2.1049	Emission bandwidth.	Y	-
	15.209	Radiated emission	Y	Spot-check
	15.207	AC Power Line Conducted Emission	Y	-

Equipment Class	Rule Part	Test item	Data Referencing	Comments
NII	15.407	26 dB Bandwidth	Y	-
	15.407(e)	6 dB Bandwidth	Y	-
	15.407(a)	Maximum Conducted output power	Y	-
	15.407(a)	Maximum EIRP Output Power	Y	-
	15.407(a)	Maximum Power Spectral Density	Y	-
	15.207 15.407(b)(9)	AC conducted Emission	Y	-
	15.407(g)	Frequency Stability	Y	-
	15.407(b)	Undesirable Emissions	Y	Spot-check
	15.205 15.407(b)	General Field Strength (Restricted bands and Radiated emission)	Y	Spot-check
	15.407(h)	DFS	Y	-

Equipment Class	Rule Part	Test item	Data Referencing	Comments
6CD	§ 15.407(a)(10)	26dB Bandwidth	Y	-
	§ 15.407(a)(10)	99% Bandwidth	Y	-
	§ 15.407(a)(4)	Output Power Maximum EIRP	Y	-
	§ 15.407(a)(4)	Output Power Maximum EIRP Power Spectral Density	Y	-
	15.407 (b)(9)	AC Conducted Emissions	Y	-
	§ 15.407(d)(6)	Contention Based Protocol	Y	-
	§ 15.407(g)	Frequency Stability	Y	-
	§ 15.407(a)(7)	Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point	Y	-
	§ 15.407(a)(7) § 15.407(a)(8)	Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP	Y	-
	§ 15.407(b)(7)	In-Band Emissions (Emissions Mask)	Y	-
	§ 15.407(b)	Undesirable Emissions	Y	Spot-check
	15.205, 15.407(b)(9),(10)	General Field Strength Limits(Restricted Bands and Radiated Emission Limits)	Y	Spot-check

## Appendix A. The Spot check test data

### 1. Summary of the spot check for Unlicensed EMC

Report	Test Item	Mod/Channel	Measured Frequency [MHz]	A3LSMF741U Result [dB $\mu$ V/m]		A3LSMF741JPN Result [dB $\mu$ V/m]		Deviation [dB]	
				Peak	Average	Peak	Average	Peak	Average
BT	Band Edge	Ant1/DH5/Ch.78	2483.5 MHz~2500 MHz	61.03	36.30	60.34	35.61	-0.69	-0.69
	RSE	Ant1/DH5/Ch.78	7440 MHz (3rd Harmonic)	53.26	28.53	53.67	28.94	0.41	0.41
DTS	Band Edge (ANT ALL)	802.11ac(20M) MCS0/ch.11	#2483.5 MHz~2500 MHz	61.04	51.37	59.23	49.22	-1.81	-2.15
	RSE (ANT ALL)	802.11b 1Mbps/ch.6	7311 MHz (3rd Harmonic)	51.78	40.14	51.96	39.15	0.18	-0.99
DTS(ax)	Band Edge (ANT ALL)	802.11ax_HE20(242T_RU61)_MCS0/ch.11	#2483.5 MHz~2500 MHz	61.44	51.26	60.72	50.12	-0.72	-1.14
	RSE (ANT ALL)	802.11ax_HE20(106T_RU53)_MCS0/ch.11	7386 MHz	52.20	40.54	52.95	40.30	0.75	-0.24
BT(LE)	Band Edge	Ant1/1M37/Ch.39	2483.5 MHz~2500 MHz	63.82	44.11	62.89	43.57	-0.93	-0.54
	RSE	Ant1/1M37/Ch.39	7440 MHz (3rd Harmonic)	53.18	41.47	53.28	42.45	0.10	0.98
UNII	Band Edge (ANT ALL)	802.11ac(40M)_MCS0/ch.102	5350 MHz ~ 5460 MHz	58.39	41.59	58.19	42.66	-0.20	1.07
			5460 MHz ~ 5470 MHz	60.98	-	61.18	-	0.20	-
	RSE (ANT ALL)	802.11a 6Mbps/ch.177	17655 MHz (3rd Harmonic)	56.54	-	56.42	-	-0.12	-
UNII(ax)	Band Edge (ANT ALL)_Peak	802.11ax(HE160_80L)_26T RU0 MCS0/ch.50	4500 MHz~5150 MHz	70.31	46.65	68.83	46.38	-1.48	-0.27
	Band Edge (ANT ALL)_Avg	802.11ax(HE80)_996T RU67 MCS0/ch.42	4500 MHz~5150 MHz	68.55	51.37	66.76	50.90	-1.79	-0.47
	RSE (ANT ALL)	802.11ax(HE20)_106T RU53 MCS0/ch.36	15540 MHz	60.01	44.12	58.34	43.02	-1.67	-1.10
6e (NII5,6,7,8) (LPI/SP)	Band Edge (LPI/SP)	802.11ax HE20(106T_RU53)_MCS0/Ch.2	# 5924.5 MHz	77.63	65.36	77.34	64.79	-0.29	-0.57
	RSE (ANT ALL) (LPI/SP)	802.11ax HE40(484T_RU65)_MCS0/Ch.3	17895 MHz (3rd Harmonic)	57.78	45.91	57.87	45.79	0.09	-0.12
WPT	Field Strength	Power Sharing	110 - 148 kHz	11.95		10.43		-1.52	
	RSE		490 kHz - 1.705 MHz	18.43		16.87		-1.56	

## 2. TEST RESULT

### BT Band Edge (Ant1/DH5/Ch.78)

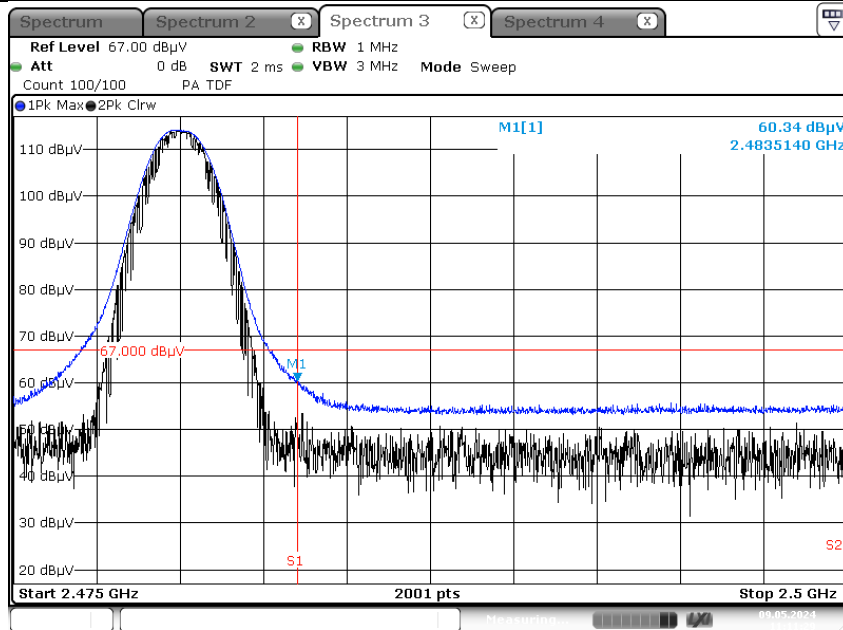
Frequency	Measured Value	ANT. POL	Duty Cycle Correction	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[H/V]	[dB]	[dBμV/m]	[dBμV/m]	[dB]	
2483.5	60.34	H	0.00	60.34	73.98	13.64	PK
2483.5	60.34	H	-24.73	35.61	53.98	18.37	AV

**Note:**

- We apply to the offset in range 1 GHz - 18 GHz
- The offset = Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F)

Test Plot

[Peak & Average Result]



Date: 9.MAY.2024 11:11:28

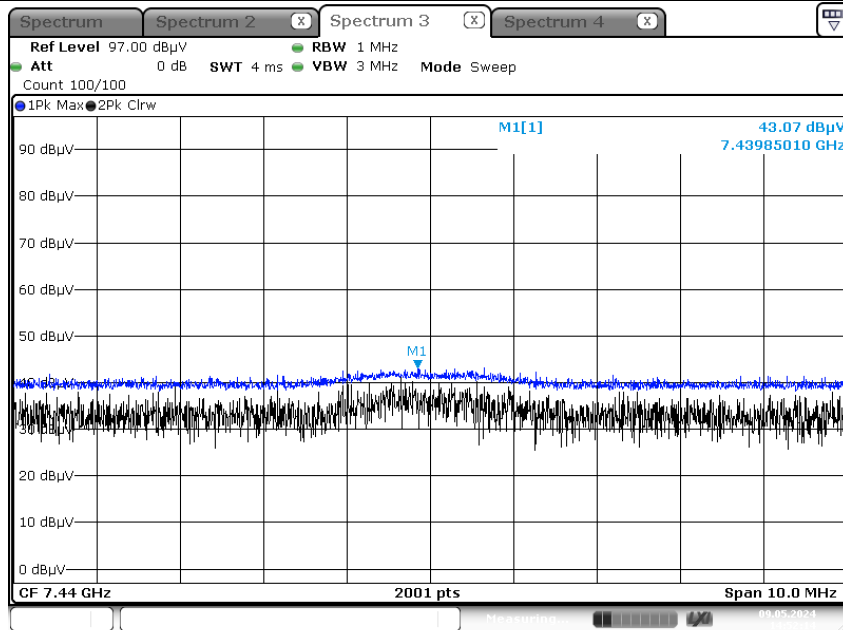


BT R.S.E Harmonic(Ant1/DH5/Ch.78)

Frequency	Measured Value	AF+CL-AG+DF	ANT. POL	Duty Cycle Correction	Total	Limit	Margin	Measurement Type
[MHz]	[dB $\mu$ V]	[dB/m]	[H/V]	[dB]	[dB $\mu$ V/m]	[dB $\mu$ V/m]	[dB]	
7440	43.07	10.60	H	0.00	53.67	73.98	20.31	PK
7440	43.07	10.60	H	-24.73	28.94	53.98	25.04	AV

Test Plot

[Peak & Average Result]



Date: 9.MAY.2024 14:52:14

**BT LE Band Edge (Ant1/1M37/Ch.39)**

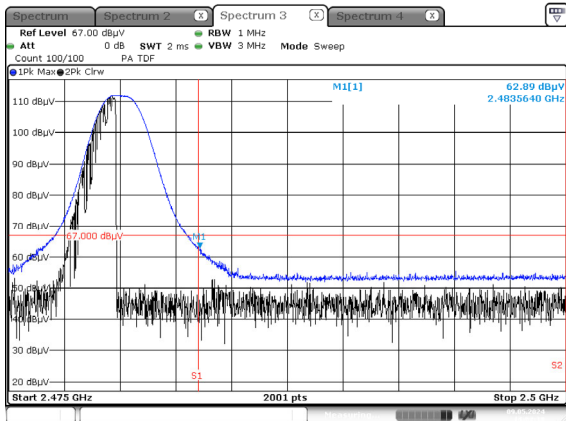
Frequency	Measured Value	ANT. POL.	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2483.5	62.89	H	62.89	73.98	11.09	PK
2483.5	43.57	H	43.57	53.98	10.41	AV

**Note:**

- We apply to the offset in range 1 GHz - 18 GHz
- The offset = Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F)

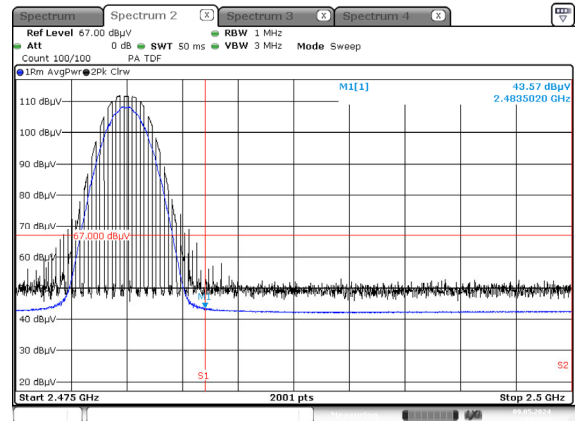
**Test Plot**

**[Peak Result]**



Date: 9.MAY.2024 14:02:18

**[Average Result]**



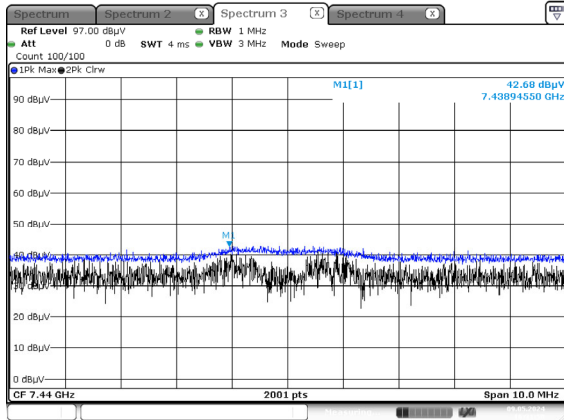
Date: 9.MAY.2024 14:02:35

BT LE R.S.E Harmonic (Ant1/1M37/Ch.39)

Frequency	Measured Value	AF+CL-AG+DF	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dB $\mu$ V]	[dB/m]	[H/V]	[dB $\mu$ V/m]	[dB $\mu$ V/m]	[dB]	
7440	42.68	10.60	H	53.28	73.98	20.70	PK
7440	31.85	10.60	H	42.45	53.98	11.53	AV

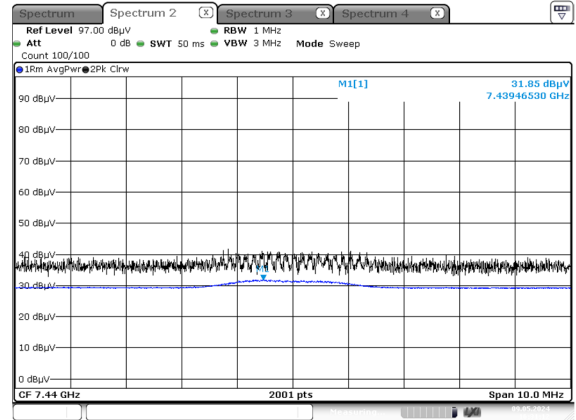
Test Plot

[Peak Result]



Date: 9.MAY.2024 16:31:50

[Average Result]



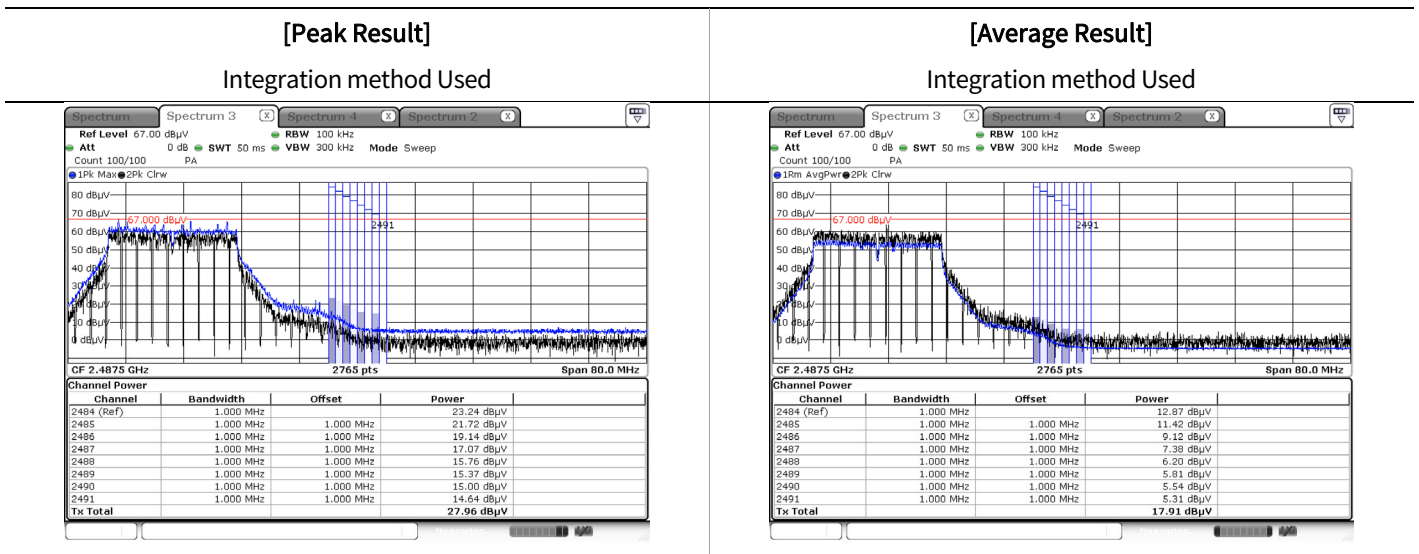
Date: 9.MAY.2024 16:31:12

**DTS Band Edge (ANT ALL) (802.11ac(20M) MCS0/ch.11)**

Frequency	Measured Value	Duty Cycle Factor	A.F.+C.L+D. F	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
# 2483.5	23.24	0.00	35.99	H	59.23	73.98	14.75	PK
# 2483.5	12.87	0.36	35.99	H	49.22	53.98	4.76	AV

# Note : integration method Used (ANSI C63.10 Section11.13.3)

▣ Test Plot

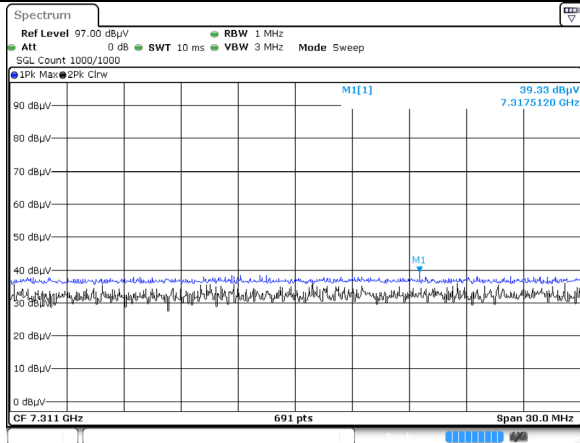


DTS R.S.E Harmonic (ANT ALL) (802.11b 1Mbps/ch.6)

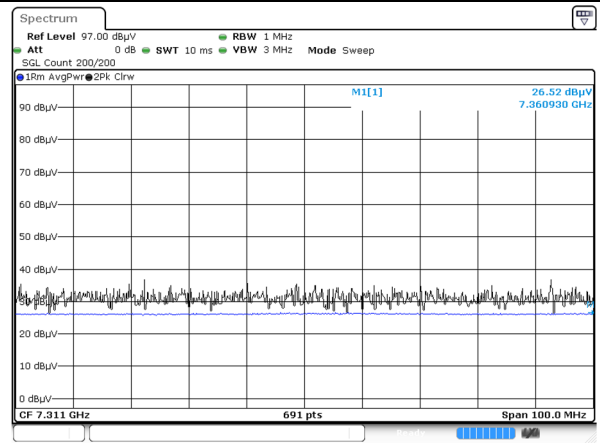
Frequency	Measured Value	A.F+C.L-A.G+D.F	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
7311	39.33	12.63	H	51.96	73.98	22.02	PK
7311	26.52	12.63	H	39.15	53.98	14.83	AV

Test Plot

[Peak Result]



[Average Result]

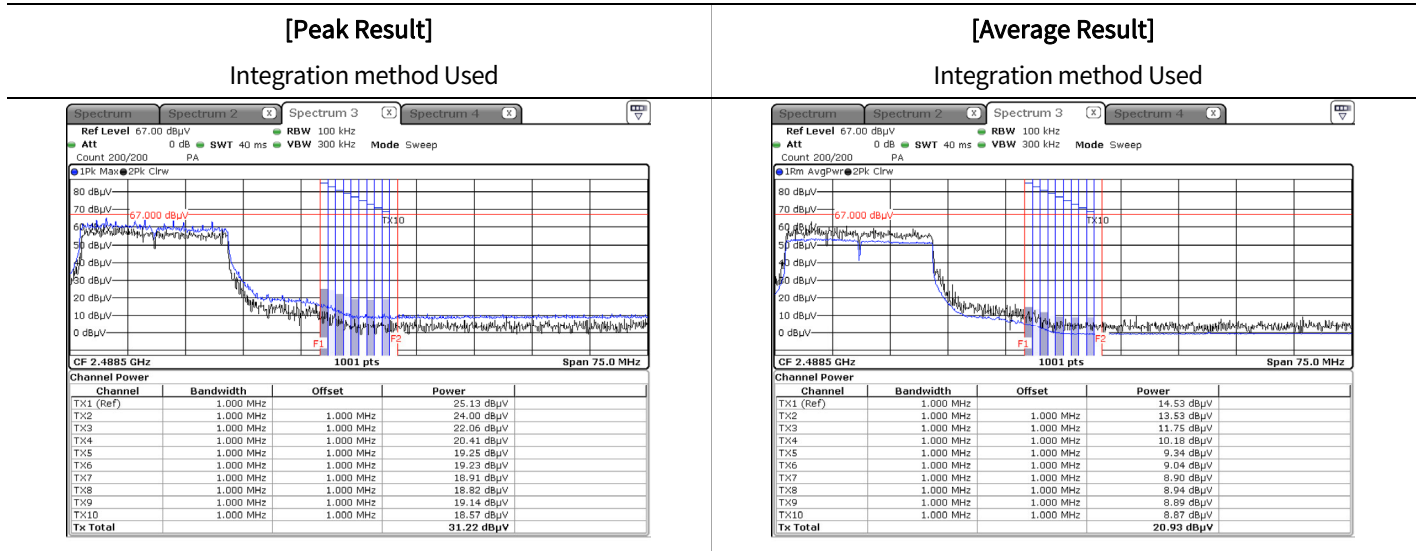


DTS ax Band Edge (ANT ALL) (802.11ax\_HE20(242T\_RU61)\_MCS0/ch.11)

Frequency	Measured Value	Duty Cycle Factor	A.F.+C.L+D.F	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
#2483.5~2493.5	25.13	0.00	35.59	H	60.72	73.98	13.26	PK
#2483.5~2493.5	14.53	0.00	35.59	H	50.12	53.98	3.86	AV
2493.5~2500	21.52	0.00	35.59	H	57.11	73.98	16.87	PK
2493.5~2500	9.32	0.00	35.59	H	44.91	53.98	9.07	AV

# Note : integration method Used (ANSI C63.10 Section11.13.3)

Test Plot

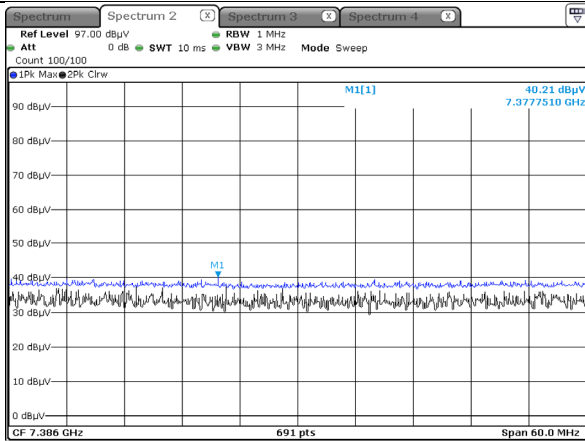


DTS ax R.S.E Harmonic (ANT ALL) (802.11ax\_HE20(106T\_RU53)\_MCS0/ch.11)

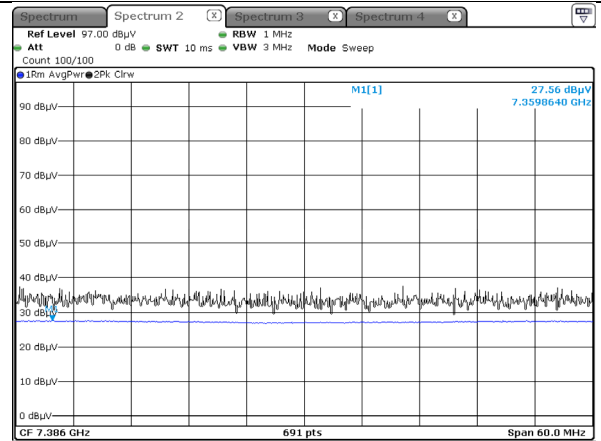
Frequency	Measured Value	CL+AF+DF-AG	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dB $\mu$ V]	[dB/m]	[H/V]	[dB $\mu$ V/m]	[dB $\mu$ V/m]	[dB]	
4924	43.99	5.10	V	49.09	73.98	24.89	PK
4924	32.15	5.10	V	37.25	53.98	16.73	AV
7386	40.21	12.74	V	52.95	73.98	21.03	PK
7386	27.56	12.74	V	40.30	53.98	13.68	AV

Test Plot

[Peak Result]



[Average Result]

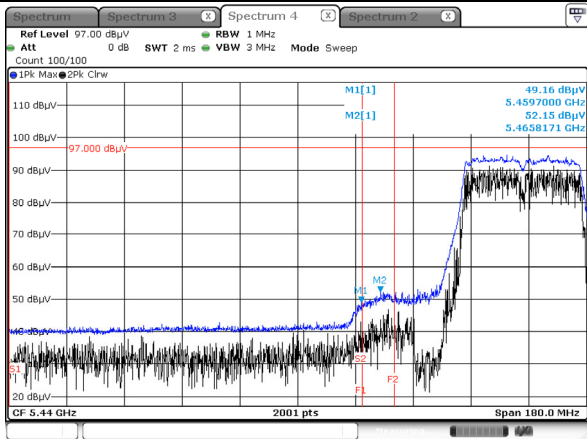


UNII Band Edge (ANT ALL) (802.11ac(40M)\_ MCS0/ch.102)

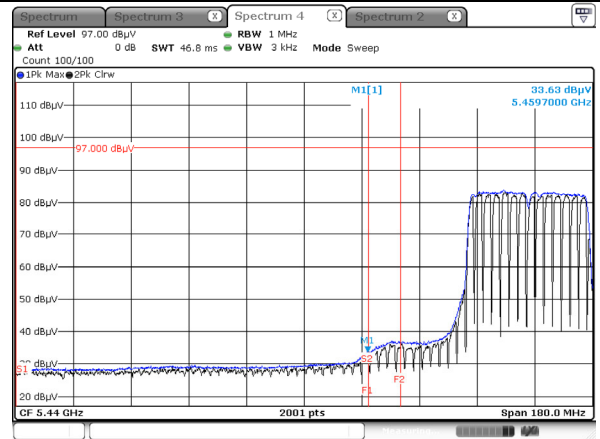
Frequency	Measured Value	CL+AF+DF -AG+ATT	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
5460	49.16	9.03	V	58.19	73.98	15.79	PK
5460	33.63	9.03	V	42.66	53.98	11.32	AV
5470	52.15	9.03	V	61.18	68.20	7.02	PK

Test Plot

[Peak Result]



[Average Result]



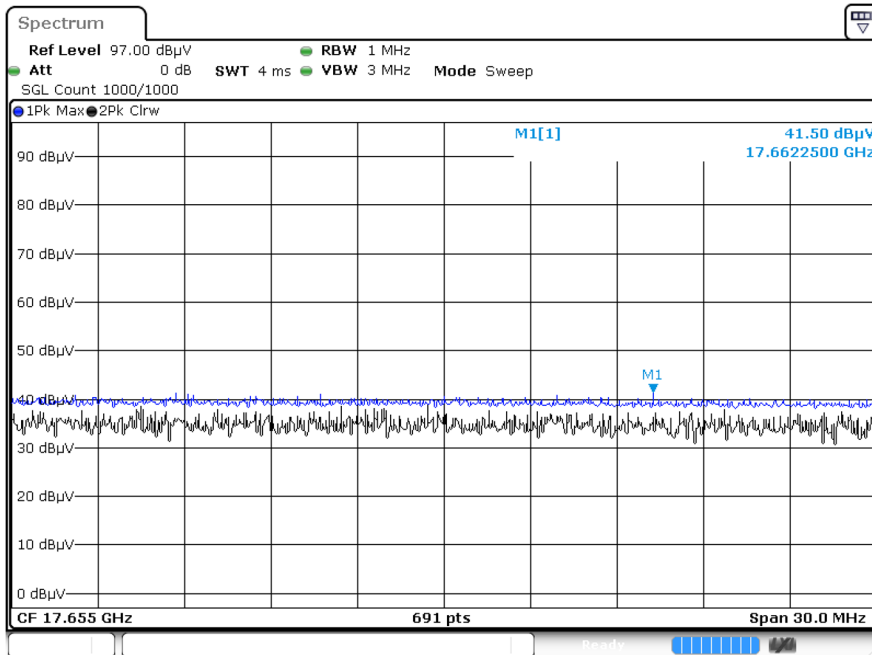


UNII R.S.E Harmonic (ANT ALL) (802.11a 6Mbps/ch.177)

Frequency	Measured Value	CL+AF+DF-AG	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dB $\mu$ V]	[dB/m]	[H/V]	[dB $\mu$ V/m]	[dB $\mu$ V/m]	[dB]	
17655	41.50	14.92	H	56.42	68.20	11.78	PK

Test Plot

[Peak Result]

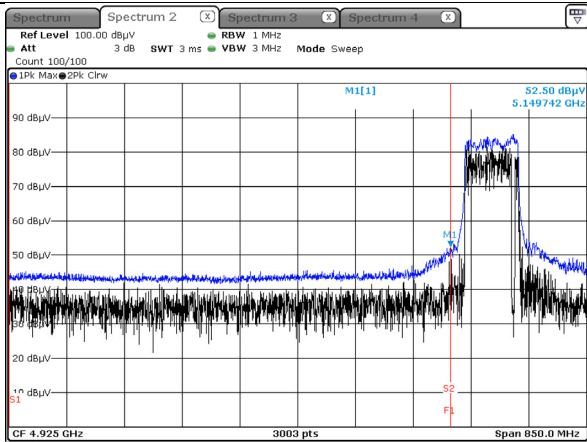


UNII ax Band Edge (ANT ALL)\_Avg (802.11ax(HE80)\_996T RU67 MCS0/ch.42)

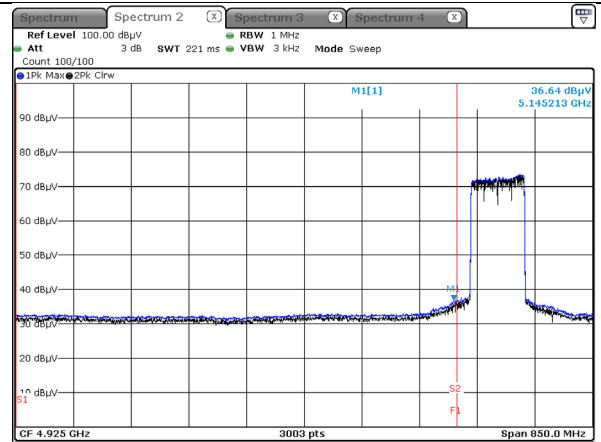
Frequency	Measured Value	CL+AF+DF -AG+ATT	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dB $\mu$ V]	[dB/m]	[H/V]	[dB $\mu$ V/m]	[dB $\mu$ V/m]	[dB]	
5150	52.50	14.26	H	66.76	73.98	7.22	PK
5150	36.64	14.26	H	50.90	53.98	3.08	AV

Test Plot

[Peak Result]



[Average Result]

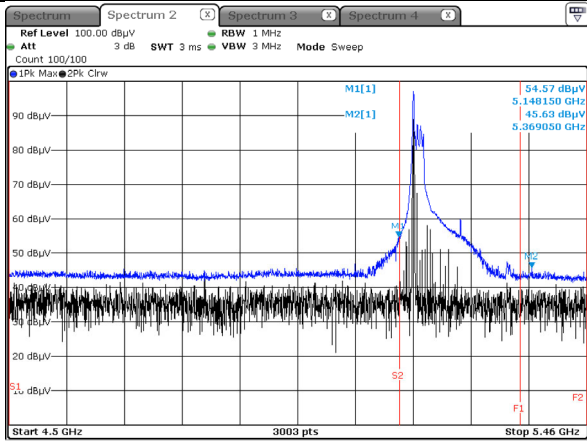


UNII ax Band Edge (ANT ALL)\_Peak (802.11ax(HE160\_80L)\_26T RU0 MCS0/ch.50)

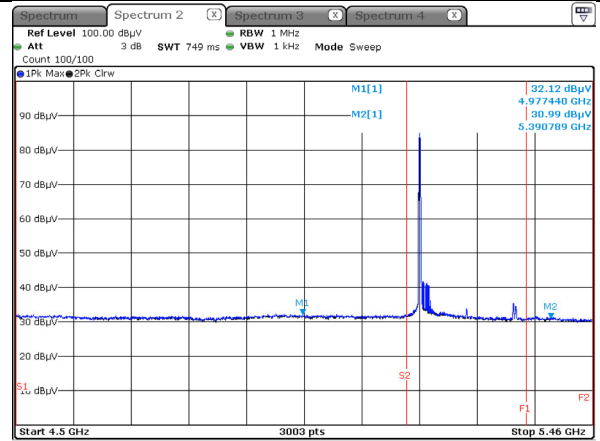
Frequency	Measured Value	CL+AF+DF -AG+ATT	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
5150	54.57	14.26	H	68.83	73.98	5.15	PK
5150	32.12	14.26	H	46.38	53.98	7.60	AV

Test Plot

[Peak Result]



[Average Result]

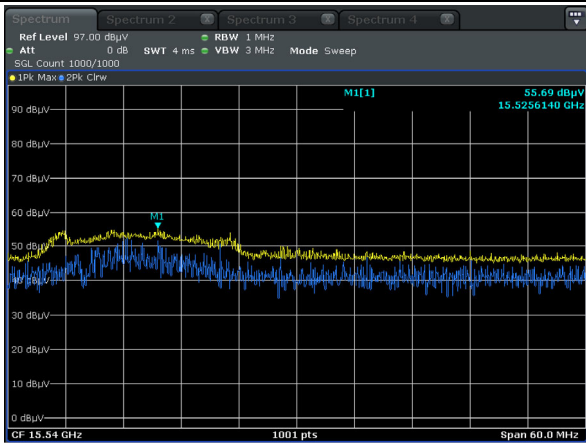


UNII ax R.S.E Harmonic (ANT ALL) (802.11ax(HE20)\_106T RU53 MCS0/ch.36)

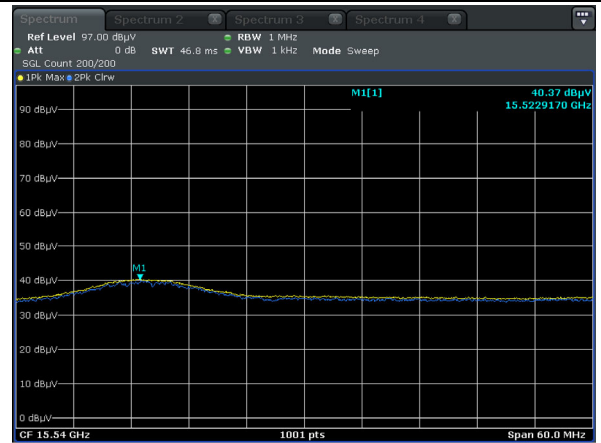
Frequency	Measured Value	CL+AF+DF-AG	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dB $\mu$ V]	[dB/m]	[H/V]	[dB $\mu$ V/m]	[dB $\mu$ V/m]	[dB]	
10360	52.62	-0.60	H	52.02	68.20	16.18	PK
15540	55.69	2.65	H	58.34	73.98	15.64	PK
15540	40.37	2.65	H	43.02	53.98	10.96	AV

▣ Test Plot

[Peak Result]



[Average Result]



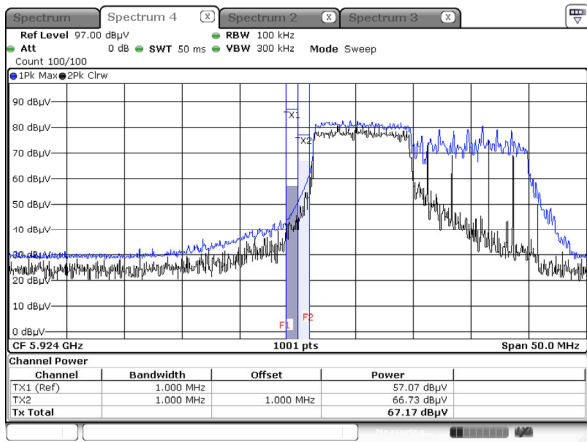
UNII 6e Band Edge (ANT ALL) (802.11ax HE20(106T\_RU53)\_MCS0/Ch.2)

Frequency	Measured Value	Duty Cycle Factor	A.F+C.L+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
#5924.5	66.73	0.00	10.61	H	77.34	88.23	10.89	PK
#5924.5	54.15	0.03	10.61	H	64.79	68.23	3.44	AV

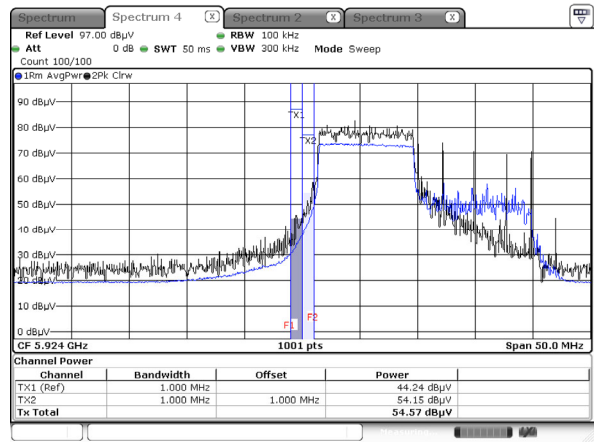
Note : # integration method Used (KDB 789033 D02 v02r01 Section 3) d) (ii)

Test Plot

[Peak Result]



[Average Result]

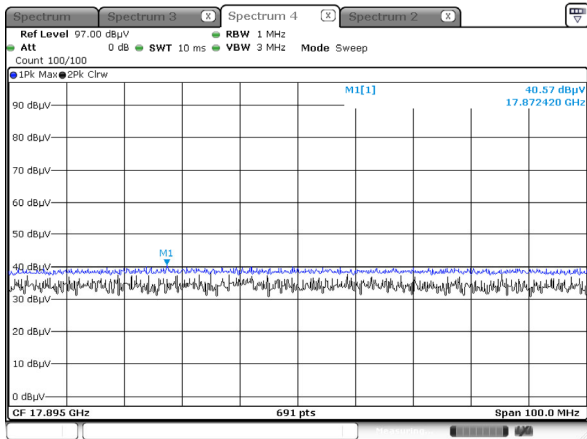


UNII 6e R.S.E Harmonic (ANT ALL) (802.11ax HE40(484T\_RU65)\_MCS0/Ch.3)

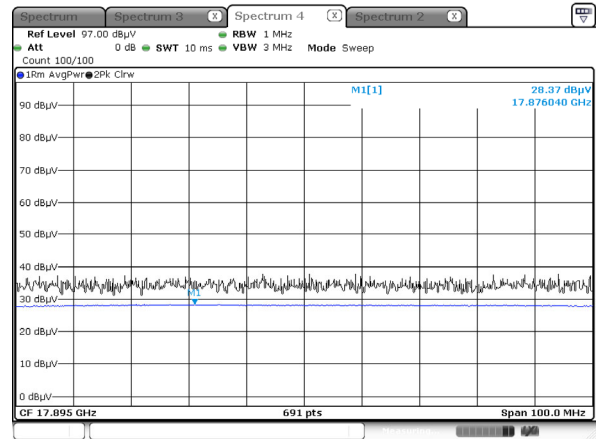
Frequency	Measured Value	Duty Cycle Factor	CL+AF+DF-AG	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dB $\mu$ V]	[dB]	[dB/m]	[H/V]	[dB $\mu$ V/m]	[dB $\mu$ V/m]	[dB]	
17895	40.57	0.00	17.30	H	57.87	73.98	16.11	PK
17895	28.37	0.12	17.30	H	45.79	53.98	8.19	AV

Test Plot

[Peak Result]



[Average Result]



### WPT Fundamental(Power Sharing)

#### Fundamental

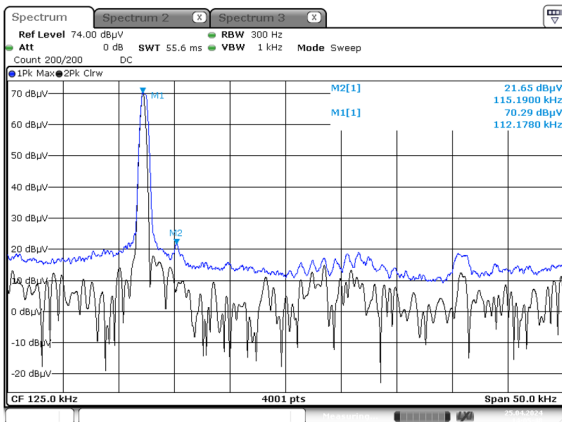
Frequency	Measured Value	Ant.Factor	Cable Loss	Distance Correction	Result Level	Limit	Margin
(kHz)	(dB $\mu$ V/m)@3m	(dB/m)	(dB)	(dB)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)
#112.178	70.29	19.60	0.54	-80.00	10.43	26.61	16.18
115.190	21.65	19.60	0.54	-80.00	-38.21	26.38	64.59
561.210	36.82	19.50	0.55	-40.00	16.87	32.62	15.75

#### Note :

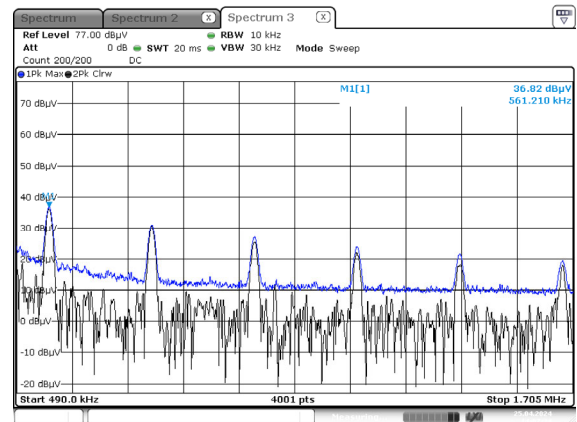
1. “#” Fundamental Frequency
2. EUT State : Stand alone
3. 30 MHz - 1 GHz : No Critical peaks found

#### Test Plot

Frequency Range : 110 kHz - 148 kHz



Frequency Range : 490 kHz - 1.705 MHz



### 3. List of test equipment

#### Radiated Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Controller(Antenna mast)	CO3000	Innco system	CO3000-4p	N/A	N/A
Antenna Position Tower	MA4640/800-XP-EP	Innco system	S3AM	08/03/2025	Biennial
Controller	EM1000	Audix	060520	N/A	N/A
Controller	EM2090	Emco	060520	N/A	N/A
Turn Table	N/A	Ets	N/A	N/A	N/A
Turn Table	DS2000-S-1t	Innco system	DS2000/572/54610422/P	N/A	N/A
Loop Antenna	FMZB 1513	Rohde & Schwarz	1513-333	03/07/2026	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	760	02/24/2025	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	02299	01/29/2026	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	9168-0895	08/16/2024	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	9120D-1191	11/07/2025	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	9120D-1300	01/03/2026	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	9120D-2296	05/18/2024	Biennial
Horn Antenna(15 GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170124	03/28/2025	Biennial
Horn Antenna (15GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170342	09/29/2024	Biennial
Spectrum Analyzer	FSV40	Rohde & Schwarz	100901	02/22/2025	Annual
Spectrum Analyzer	FSP (9 kHz ~ 40 GHz)	Rohde & Schwarz	100843	10/30/2024	Annual
Spectrum Analyzer	FSV40 (9 kHz ~ 40 GHz)	Rohde & Schwarz	100900	12/06/2024	Annual
Spectrum Analyzer	FSV(10 Hz ~ 40 GHz)	Rohde & Schwarz	101055	05/09/2025	Annual
Signal Analyzer	N9030A	Keysight	MY55410508	09/04/2024	Annual
Power Amplifier	310N	SONOMA INSTRUMENT	186169	02/14/2025	Annual
Amp & Filter Bank Switch Controller	FBSM-01A	TNM system	0	N/A	N/A
Amp & Filter Bank Switch Controller	FBSM-01B	T&M system	TM19050002	N/A	N/A
Band Reject Filter	WRCJV2400/2483.5-2370/2520-60/12SS	Wainwright Instruments	2	01/02/2025	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	5	06/12/2024	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	6	06/12/2024	Annual
Band Reject Filter	WRCJV5100/5850-40/50-8EEK	Wainwright Instruments	1	02/14/2025	Annual
RF Switching System	FMSR-05B (HPF(3~18GHz) + LNA1(1~18GHz))	T&M system	S1L1	01/02/2025	Annual
RF Switching System	FMSR -05B (ATT(10dB) + LNA1(1~18GHz))	T&M system	S1L2	01/02/2025	Annual
RF Switching System	FMSR -05B (ATT(3dB) + LNA1(1~18GHz))	T&M system	S1L3	01/02/2025	Annual
RF Switching System	FMSR -05B (LNA1(1~18GHz))	T&M system	S1L4	01/02/2025	Annual



RF Switching System	FMSR -05B (HPF(7~18GHz) + LNA2(6~18GHz))	T&M system	S1L5	01/02/2025	Annual
RF Switching System	FMSR -05B (Thru(30MHz ~ 18GHz))	T&M system	S1L6	01/02/2025	Annual
RF Switching System	FMSR-04B (3G HPF+LNA)	T&M SYSTEM	S2L1	12/27/2024	Annual
RF Switching System	FMSR-04B (10dB ATT+LNA)	T&M SYSTEM	S2L2	12/27/2024	Annual
RF Switching System	FMSR-04B (3dB ATT+LNA)	T&M SYSTEM	S2L3	12/27/2024	Annual
RF Switching System	FMSR-04B (LNA)	T&M SYSTEM	S2L4	12/27/2024	Annual
RF Switching System	FMSR-04B (7G HPF+LNA)	T&M SYSTEM	S2L5	12/27/2024	Annual
RF Switching System	FBSR-03A (3G HPF+LNA)	T&M SYSTEM	S3L1	11/17/2024	Annual
RF Switching System	FBSR-03A (10dB ATT+LNA)	T&M SYSTEM	S3L2	11/17/2024	Annual
RF Switching System	FBSR-03A (7G HPF+LNA)	T&M SYSTEM	S3L3	11/17/2024	Annual
RF Switching System	FBSR-03A (3dB ATT+LNA)	T&M SYSTEM	S3L4	11/17/2024	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/17/2024	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/26/2025	Annual
Bluetooth Tester	TC-3000C	TESCOM	3000C000175	03/19/2025	Annual
Spectrum Analyzer	FSV40 (9 kHz ~ 40 GHz)	Rohde & Schwarz	100900	12/06/2024	Annual

**Note:**

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
3. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5(Version : 2017).