

EVALUATION REPORT

Applicant Name:
SAMSUNG Electronics Co., Ltd.

Date of Issue:
June 25, 2025

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, Republic of Korea

FCC ID: **A3LSMX400**

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

Equipment Class(es) : DSS, DTS, UNII, DCD
FCC Rule Part(s) : 15
Application's Statement : The applicant takes full responsibility that the test data referenced
below Represents compliance for this FCC.
Test Reference : KDB 484596 D01 Referencing Test Data v03

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

Category	Spot Check	Verdict
Unlicensed EMC	Conducted output Power	Share
	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.

Difference between Parent and Variant : For detailed changes, please refer to the manufacturer's technical documentation.



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	June 25, 2025	Initial Release

1. Cross Reference Table (Unlicensed EMC)

1) Data referencing

- [BT], [BT LE 5.4], [UNII], [UNII ax], [DTS], [DTS ax], [Digitizer], [DFS] Test Report

Equipment Class	Rule Part	Test item	Data Referencing	Comments
DSS (BT)	15.247(a)(1)	20 dB Bandwidth	Y	-
	N/A	Occupied Bandwidth	Y	-
	15.247(b)(1)	Conducted Maximum Peak Output Power	Y	Spot-check
	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 (BTLE) (WLAN 2.4GHz)	15.247(a)(2)	6 dB Bandwidth	Y	-
	15.247(b)(3)	Conducted Maximum output power	Y	Spot-check
	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 (Digitizer)	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
UNII (WLAN 5GHz)	§ 15.407 (for Power Measurement)	26 dB Bandwidth	Y	-
	15.407(e)	6 dB Bandwidth	Y	-
	§ 15.407(a)(1),(2),(3)	Maximum Conducted output power	Y	Spot-check
	§ 15.407(a)(3)(iii)	Maximum EIRP Output Power	Y	-
	§ 15.407(a)(1),(2),(3)	Maximum Power Spectral Density	Y	-
	15.207 15.407(b)(8)	AC conducted Emission	Y	-
	§ 15.407(g) § 2.1055	Frequency Stability	Y	-
	§ 15.407(b) (1),(2),(3),(4) § 15.407(b)(5)(ii),(iii) § 15.35(b)	Undesirable Emissions	Y	Spot-check
	15.205, 15.407(b)(9),(10)	General Field Strength (Restricted bands and Radiated emission)	Y	Spot-check
	15.407(h)	DFS	Y	-

2. Summary of the spot check for Unlicensed EMC

2.1 Radiated Spot Check Result

Report	Test Item	Mod/Channel	Measured Frequency [MHz]	A3LSMX406B Result [dBμV/m]		A3LSMX400 Result [dBμV/m]		Deviation [dB]	
				Peak	Average	Peak	Average	Peak	Average
BT	Band Edge	2-DH5/Ch.78	2483.5 MHz~2500 MHz	65.42	40.69	66.97	42.24	1.55	1.55
	RSE	Ant1/DH5/Ch.78	7440 MHz (3rd Harmonic)	48.79	24.06	47.83	23.10	-0.96	-0.96
DTS	Band Edge (ANT ALL)	802.11ac(20M) MCS0/ch. 11	2483.5 MHz~2500 MHz	62.04	51.08	62.46	51.10	0.42	0.02
	RSE (ANT ALL)	802.11b 1 Mbps/ch. 11	7311 MHz (3rd Harmonic)	51.78	46.24	51.67	46.07	-0.11	-0.17
DTS(ax)	Band Edge (ANT ALL)	802.11ax(HE20)_52T_RU 40_MCS0/ch. 13	2483.5 MHz~2500 MHz(#Peak)	60.92	50.98	63.38	52.50	2.46	1.52
	RSE (ANT ALL)	802.11ax(HE20)_SU_MCS0/ch. 1	4874 MHz (2nd Harmonic)	49.00	38.37	47.99	37.47	-1.01	-0.90
BT(LE)	Band Edge	1M37/Ch.39	2483.5 MHz~2500 MHz	63.13	44.57	64.65	44.62	1.52	0.05
	RSE	1M37/Ch.17	7320 MHz	49.11	36.50	47.84	36.27	-1.27	-0.23
UNII	Band Edge (ANT ALL)	802.11ac(80M)_MCS0/ch.106	5350 MHz ~ 5460 MHz	61.65	51.33	60.49	49.35	-1.16	-1.98
			5460 MHz ~ 5470 MHz	62.77	-	60.34	-	-2.43	-
	RSE (ANT ALL)	802.11a 6Mbps/ch52	15780 MHz (3rd Harmonic)	55.10	42.37	54.83	42.12	-0.27	-0.25
UNII(ax)	Band Edge (ANT ALL)	802.11ax(HE40) SU MCS0/ch.62	5350 MHz ~ 5460 MHz	67.89	51.38	64.61	52.06	-3.28	0.68
	RSE (ANT ALL)	802.11ax(HE20)_242T RU61 MCS0/ch.177	17655 MHz	58.09	-	57.61	-	-0.48	-

Report	Test Item	Mod/Channel	Measured Frequency	A3LSMX406B Result [dBμV/m]	A3LSMX400 Result [dBμV/m]	Deviation (dB)
Digitizer	Field Strength	keyboard cover detection (656.25 kHz)	656.25 kHz	6.83	6.52	-0.31
	RSE	Spen Digitizer (Writing, Hover)_(562.5 kHz)	0.67 ~ 1.705 MHz	-1.67	-1.94	-0.27

: DTS integration method Used (ANSI C63.10 Section11.13.3), UNII integration method Used (KDB 789033 D02 v02r01 Section 3) d) (ii)

: All modes of operation were spot-checked and the worst result are reported.

2.2 Conducted Spot Check Result

Report	Test Item	Mod/Channel	Measured Frequency [MHz]	649E-SMX406B Result [dBμV/m]		649E-SMX400 Result [dBμV/m]		Deviation [dB]	
				Peak	Average	Peak	Average	Peak	Average
BT	Conducted Output Power	DH5	2441 MHz	16.94	-	15.98	-	-0.95	-
BT(LE)		1M 37Byte	2440 MHz	-	8.81	-	8.35	-	-0.46
DTS		802.11g 6 Mbps	2437 MHz	-	17.63	-	17.42	-	-0.21
DTS(ax)		802.11ax(EHT20) SU MCS0	2437 MHz	-	18.64	-	18.63	-	-0.01
UNII		802.11a 6 Mbps / ch.48	5240 MHz	-	19.05	-	18.52	-	-0.54
UNII(ax)		802.11ax(EHT20) SU MCS0 / ch.48	5240 MHz	-	18.45	-	16.72	-	-1.73

2. TEST RESULT

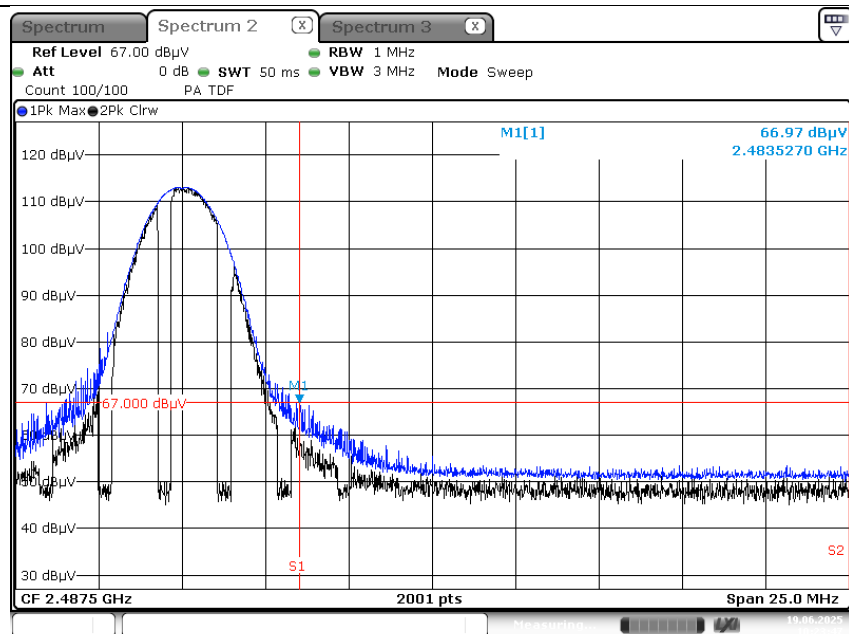
BT Band Edge (2-DH5/Ch.78)

Frequency	Measured Value	AF+CL+DF	ANT. POL	Duty Cycle Correction	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB/m]	[H/V]	[dB]	[dBμV/m]	[dBμV/m]	[dB]	
2483.5	66.97	-	H	0.00	66.97	73.98	7.01	PK
2483.5	66.97	-	H	-24.73	42.24	53.98	11.74	AV

- The offset = Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F)

▣ Test Plot

[Peak & Average Result]



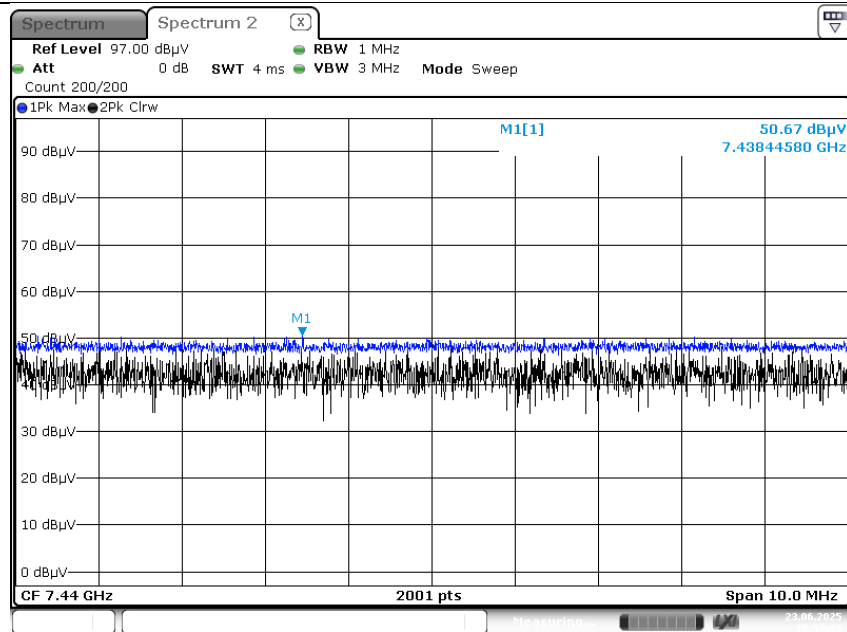
Date: 19.JUN.2025 10:23:48

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

Frequency	Measured Value	A.F+C.L-A.G+D.F	ANT. POL	Duty Cycle Correction	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB/m]	[H/V]	[dB]	[dBμV/m]	[dBμV/m]	[dB]	
4960	56.28	-9.25	V	0.00	47.03	73.98	26.95	PK
4960	56.28	-9.25	V	-24.73	22.30	53.98	31.68	AV
7440	50.52	-2.84	V	0.00	47.68	73.98	26.30	PK
7440	50.52	-2.84	V	-24.73	22.95	53.98	31.03	AV
4960	56.64	-9.25	H	0.00	47.39	73.98	26.59	PK
4960	56.64	-9.25	H	-24.73	22.66	53.98	31.32	AV
7440	50.67	-2.84	H	0.00	47.83	73.98	26.15	PK
7440	50.67	-2.84	H	-24.73	23.10	53.98	30.88	AV

▣ Test Plot

[Peak & Average Result]



Date: 23.JUN.2025 10:57:33

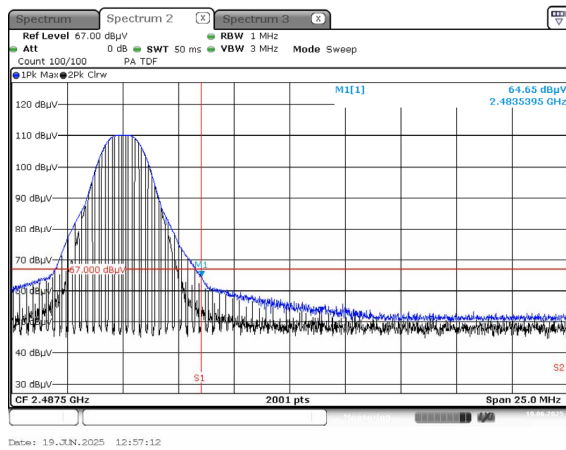
BT LE Band Edge (1M37/Ch.39)

Frequency	Measured Value	AF+CL+DF	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2483.5	64.65	0.00	-	H	64.65	73.98	9.33
2483.5	44.62	0.00	-	H	44.62	53.98	9.36

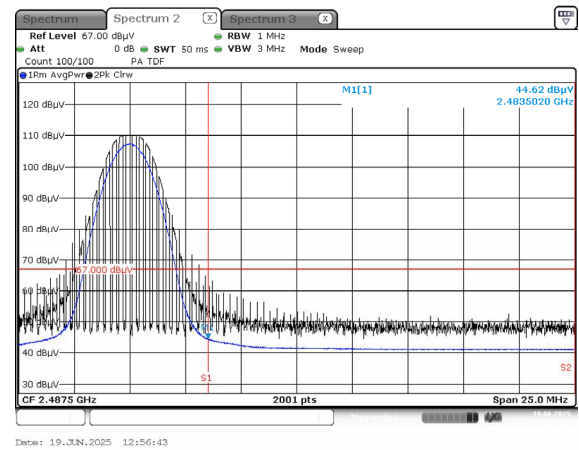
- The offset = Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F)

Test Plot

[Peak Result]



[Average Result]

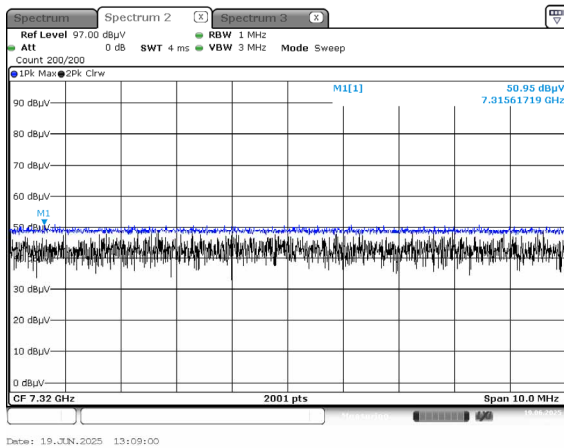


BT LE R.S.E Harmonic(1M37/Ch.17)

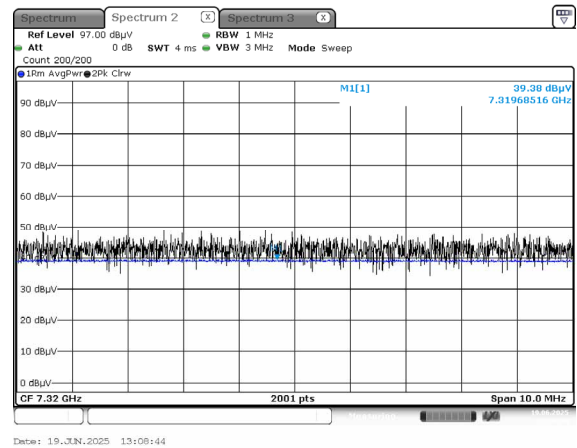
Frequency	Measured Value	AF+CL+DF-AG	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
4880	54.48	-9.58	V	44.90	73.98	29.08	PK
4880	43.21	-9.58	V	33.63	53.98	20.35	AV
7320	50.68	-3.11	V	47.57	73.98	26.41	PK
7320	39.35	-3.11	V	36.24	53.98	17.74	AV
4880	55.05	-9.58	H	45.47	73.98	28.51	PK
4880	43.39	-9.58	H	33.81	53.98	20.17	AV
7320	50.95	-3.11	H	47.84	73.98	26.14	PK
7320	39.38	-3.11	H	36.27	53.98	17.71	AV

■ Test Plot

[Peak Result]



[Average Result]

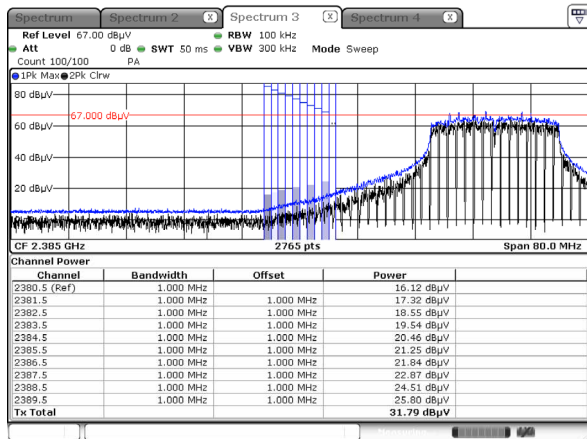


DTS Band Edge (ANT ALL) (MIMO, 802.11ac(20M) MCS0/ch. 11)

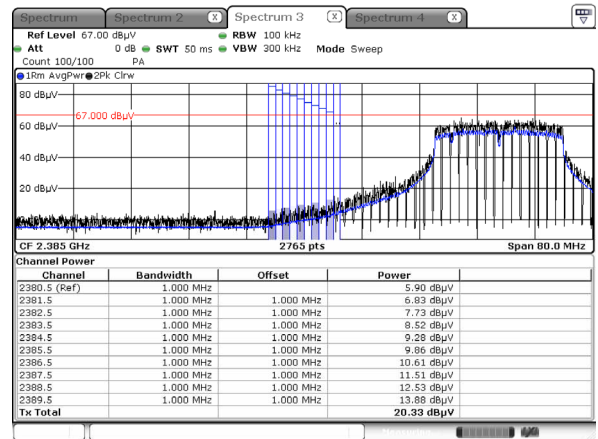
Frequency	Measured Value	Duty Cycle Factor	A.F.+C.L+D.F	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
# 2390	25.80	0.00	36.66	H	62.46	73.98	11.52	PK
# 2390	13.88	0.56	36.66	H	51.10	53.98	2.88	AV

■ Test Plot

[Peak Result]



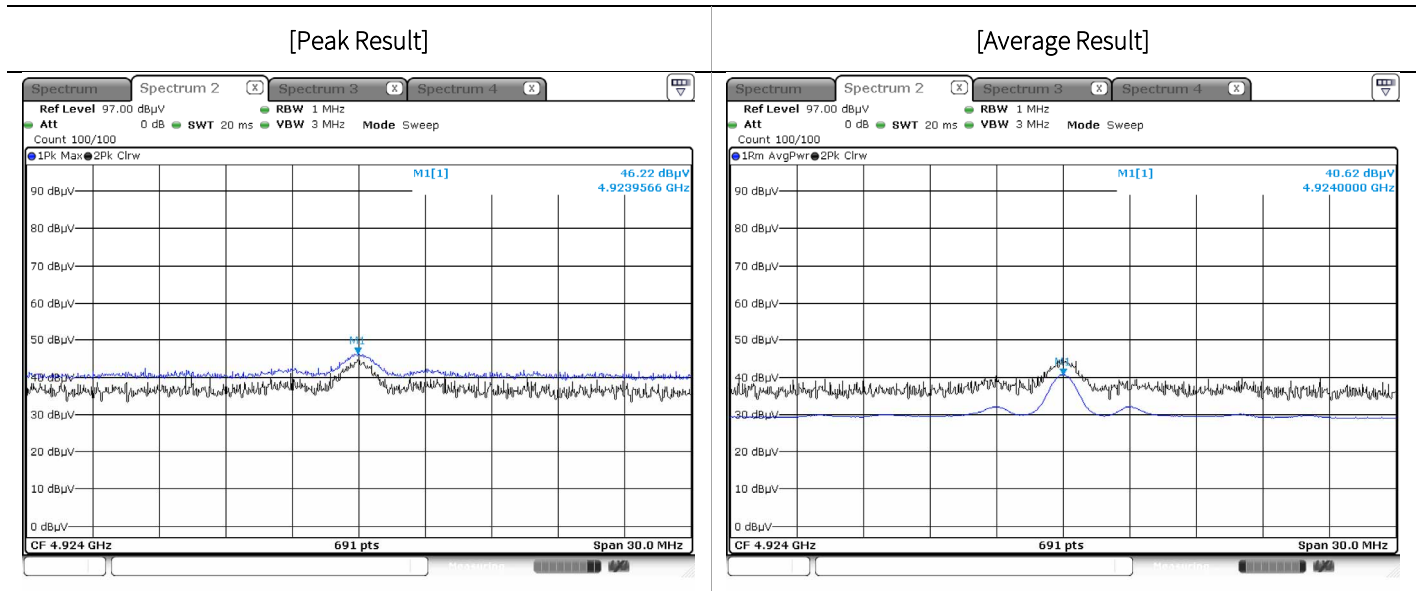
[Average Result]



DTS R.S.E Harmonic (ANT ALL) (MIMO, 802.11b 1 Mbps/ch.11)

Band :	DTS		Operation Mode :		802.11b			
CH.11	2462	MHz	Transfer Rate :		1 Mbps			
Frequency	Measured value	D.C.F	CL+AF+DF-AG	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
4924	44.82	0.00	5.45	V	50.27	73.98	23.71	PK
4924	38.55	0.00	5.45	V	44.00	53.98	9.98	AV
7386	39.12	0.00	12.63	V	51.75	73.98	22.23	PK
7386	26.88	0.00	12.63	V	39.51	53.98	14.47	AV
4924	46.22	0.00	5.45	H	51.67	73.98	22.31	PK
4924	40.62	0.00	5.45	H	46.07	53.98	7.91	AV
7386	38.89	0.00	12.63	H	51.52	73.98	22.46	PK
7386	26.71	0.00	12.63	H	39.34	53.98	14.64	AV

Test Plot



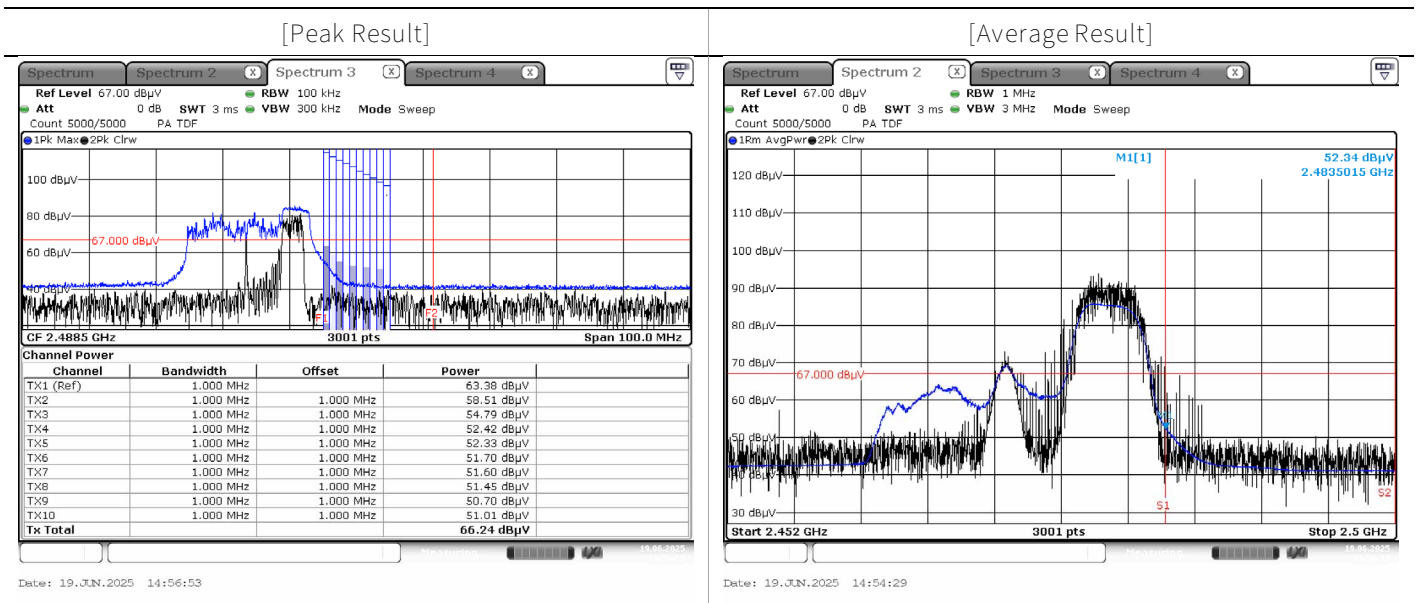
DTS ax Band Edge (ANT ALL) (MIMO, 802.11ax(HE20)_52T_RU 40_MCS0/ch. 13)

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	63.38	0.00	-	H	63.38	73.98	10.60	PK
2483.5	52.34	0.16	-	H	52.50	53.98	1.48	AV

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

- The offset = Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F)

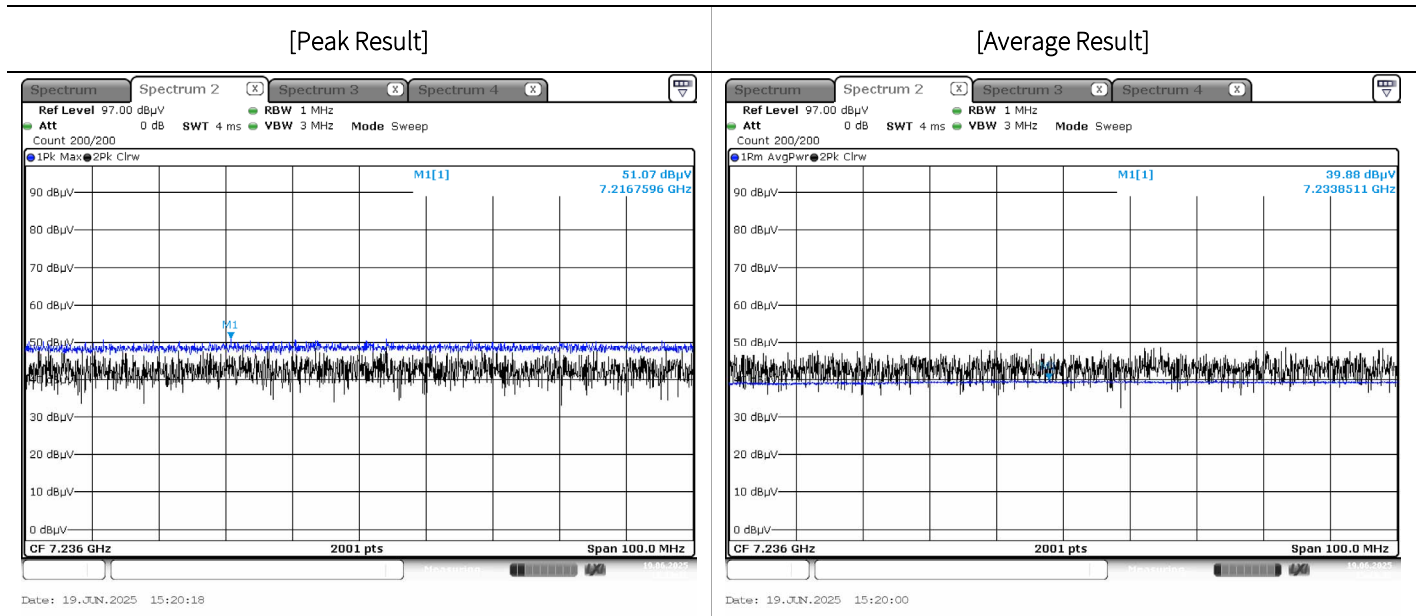
Test Plot



DTS ax R.S.E Harmonic (ANT ALL) (MIMO, 802.11ax(HE20)_SU, MCS0/ch. 1)

Band : DTS			Operation Mode :		802.11ax, SU			
CH.11 2412 MHz			Transfer Rate :		MCS 0			
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
4824	55.02	0.00	-9.69	V	45.33	73.98	28.65	PK
4824	43.79	0.67	-9.69	V	34.77	53.98	19.21	AV
7236	51.07	0.00	-3.08	V	47.99	73.98	25.99	PK
7236	39.88	0.67	-3.08	V	37.47	53.98	16.51	AV
4824	56.28	0.00	-9.69	H	46.59	73.98	27.39	PK
4824	44.96	0.67	-9.69	H	35.94	53.98	18.04	AV
7236	50.97	0.00	-3.08	H	47.89	73.98	26.09	PK
7236	39.78	0.67	-3.08	H	37.37	53.98	16.61	AV

Test Plot

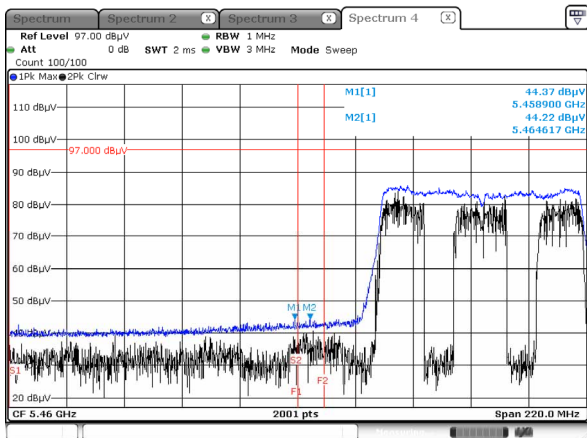


UNII Band Edge (ANT ALL) (MIMO, 802.11ac(80M)_ MCS0/ch.106)

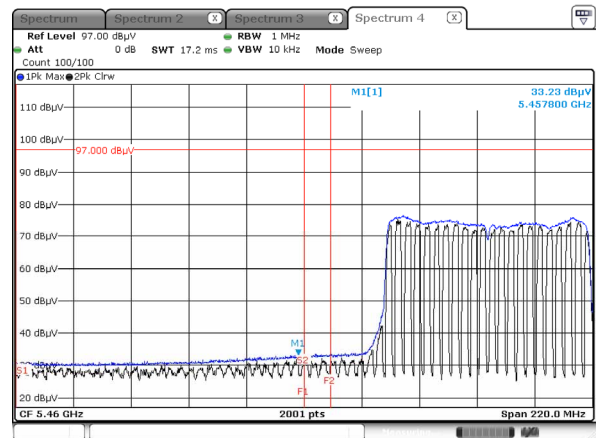
Frequency	Measured Value	CL+AF+DF-AG+ATT	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
5460	44.37	16.12	H	60.49	73.98	13.49	PK
5460	33.23	16.12	H	49.35	53.98	4.63	AV
5470	44.22	16.12	H	60.34	68.20	7.86	PK

■ Test Plot

[Peak Result]



[Average Result]

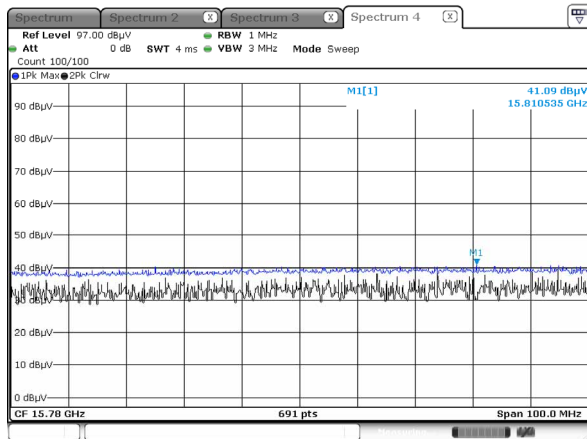


UNII R.S.E Harmonic (ANT ALL) (MIMO, 802.11a 6 Mbps/ch.52)

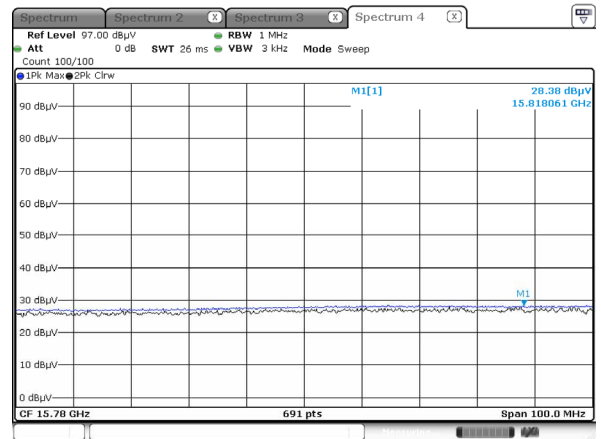
Band : UNII 2A			Operation Mode : 802.11a				
CH.52 5260 MHz			Transfer Rate : 6M				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
10520	45.46	8.42	V	53.88	68.20	14.32	PK
15780	41.05	13.74	V	54.79	73.98	19.19	PK
15780	28.22	13.74	V	41.96	53.98	12.02	AV
10520	44.62	8.42	H	53.04	68.20	15.16	PK
15780	41.09	13.74	H	54.83	73.98	19.15	PK
15780	28.38	13.74	H	42.12	53.98	11.86	AV

Test Plot

[Peak Result]



[Average Result]

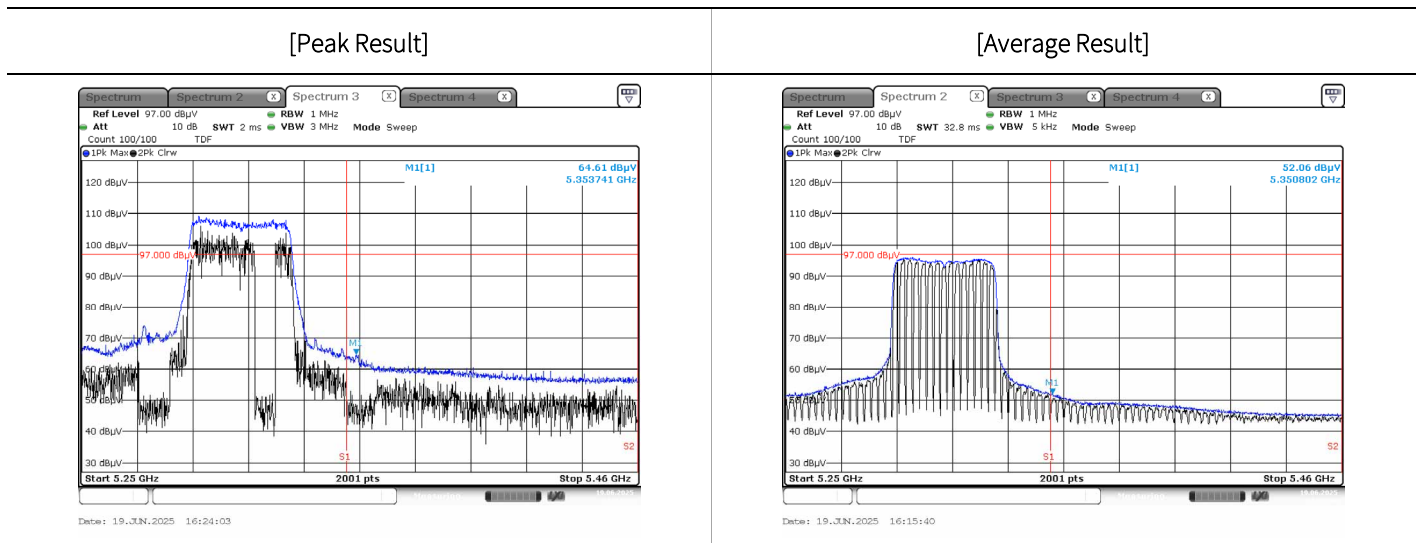


UNII ax Band Edge (ANT ALL) (MIMO, 802.11ax(HE40) SU MCS0/ch.62)

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]	
5350	64.61	-	H	64.61	73.98	9.37	PK
5350	52.06	-	H	52.06	53.98	1.92	AV

- The offset = Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F)– Amp. Gain(A.G) + Attenuator (ATT)

Test Plot

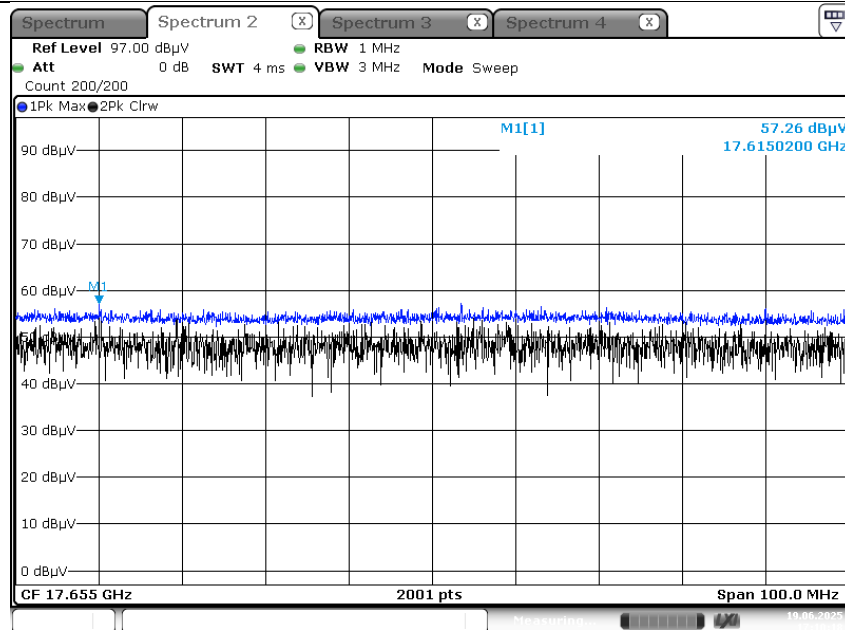


UNII ax R.S.E Harmonic (ANT ALL) (MIMO, 802.11ax(HE20)_242T RU61 MCS0/ch.177)

Band: UNII 4			Operation Mode: 802.11ax_HE20 MCS0 26T RU61				
CH.177 5885 MHz			Transfer Rate: MCS0				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11770	53.81	-2.98	V	50.83	73.98	23.15	PK
11770	41.22	-2.98	V	38.24	53.98	15.74	AV
17655	57.26	0.50	V	57.76	68.20	10.44	PK
11770	53.58	-2.98	H	50.60	73.98	23.38	PK
11770	41.21	-2.98	H	38.23	53.98	15.75	AV
17655	57.11	0.50	H	57.61	68.20	10.59	PK

Test Plot

[Peak Result]



Date: 19.JUN.2025 17:10:18

Digitizer Fundamental

Mode: Keyboard cover detection

Fundamental

Frequency	Reading Value	Ant.Factor	Cable Loss	Distance Correction	Total Value	Limit	Margin
(kHz)	(dBμV/m)@3m	(dB/m)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
656.59	26.04	19.90	0.58	-40.00	6.517	31.26	24.74

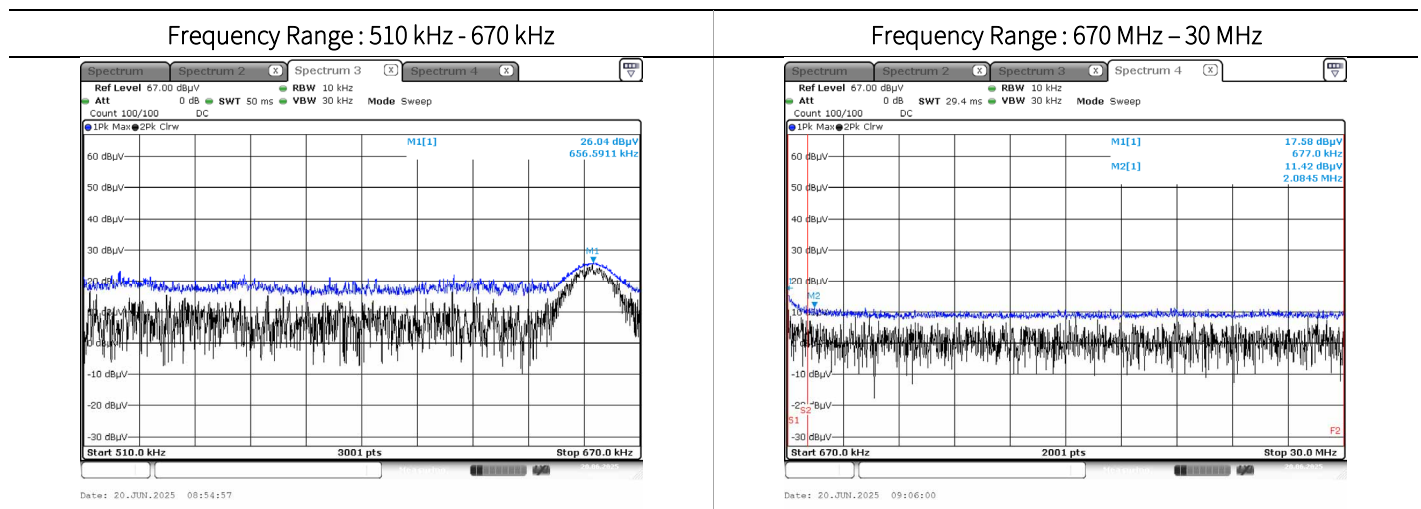
R.S.E

Frequency	Reading Value	Ant.Factor	Cable Loss	Distance Correction	Total Value	Limit	Margin
(kHz)	(dBμV/m)@3m	(dB/m)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
677.00	17.58	19.90	0.58	-40.00	-1.943	30.99	32.94

Note :

1. “#” : Fundamental Frequency
2. 30 MHz - 1 GHz : No Critical peaks found

Test Plot



4. List of test equipment

4.1 Unlicensed

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 Especially, all antenna for measurement

4.1.1 DTS, UNII

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Controller	CO3000	Innco system	CO3000-4p	N/A	N/A
Antenna Position Tower	MA4640/800-XP-EP	Innco system	S1AM	07/30/2025	Annual
Turn Table	DS2000-S-1t	Innco system	DS2000/572/54610422/P	N/A	N/A
Amp & Filter Bank Switch Controller	FBSM-01B	T&M system	TM19050002	N/A	N/A
Loop Antenna	1513	Schwarzbeck	1513-175	01/06/2027	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	9168-0895	08/28/2026	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	9120D-1300	01/03/2026	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	9120D-2296	05/16/2026	Biennial
Horn Antenna(15 GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170342	09/20/2026	Biennial
Spectrum Analyzer	FSV(10 Hz ~ 40 GHz)	Rohde & Schwarz	101055	05/07/2026	Annual
Band Reject Filter	WRCJV2400/2483.5-2370/2520-60/12SS	Wainwright Instruments	2	12/26/2025	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	5	05/27/2026	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	6	05/27/2026	Annual
High Pass Filter(7 GHz ~ 18 GHz)	WHKX10-7150-8000-18000-50SS	Wainwright Instruments	1	02/21/2026	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/07/2025	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/19/2026	Annual
Bluetooth Tester	TC-3000C	TESCOM	3000C000175	03/12/2026	Annual
RF Switching System	FMSR-05B (HPF(3~18GHz) + LNA1(1~18GHz))	T&M system	S1L1	12/23/2025	Annual
RF Switching System	FMSR-05B (ATT(10dB) + LNA1(1~18GHz))	T&M system	S1L2	12/23/2025	Annual
RF Switching System	FMSR-05B (ATT(3dB) + LNA1(1~18GHz))	T&M system	S1L3	12/23/2025	Annual
RF Switching System	FMSR-05B (LNA1(1~18GHz))	T&M system	S1L4	12/23/2025	Annual
RF Switching System	FMSR-05B (HPF(7~18GHz) + LNA2(6~18GHz))	T&M system	S1L5	12/23/2025	Annual
RF Switching System	FMSR-05B (Thru(30MHz ~ 18GHz))	T&M system	S1L6	12/23/2025	Annual
Automation Software	FCC WLAN Radiated	HCT CO., LTD	-	-	-

4.2.2 DTS ax, UNII ax, BT, BLE

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Controller (Antenna mast & Turn Table)	CO3000	Innco system	CO3000/ 15421/57580623/G	N/A	N/A
Antenna Position Tower	MA4640	Innco system	9320422	04/03/2026	Biennial
Turn Table	N/A	Innco system	5930623	N/A	N/A
Loop Antenna	FMZB 1513	Schwarzbeck	1513-175	01/06/2027	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	9168-1135	08/19/2026	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	9120D-1151	07/14/2025	Biennial
Horn Antenna (15 GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170124	03/23/2027	Biennial
Amp & Filter Bank Switch Controller	FBSM-01B	T&M system	TM2009001	N/A	N/A
Band Reject Filter	WRCJV2400/2483.5- 2370/2520-60/12SS	Wainwright Instruments	2	12/26/2025	Annual
Band Reject Filter	WRCJV12-4900-5100-5900- 6100-50SS	Wainwright Instruments	5	05/27/2026	Annual
Band Reject Filter	WRCJV12-4900-5100-5900- 6100-50SS	Wainwright Instruments	6	05/27/2026	Annual
Band Reject Filter	WRCJV5100/5850-40/50- 8EEK	Wainwright Instruments	1	01/09/2026	Annual
RF Switching System	FMSR-05B (HPF(3~18GHz) + LNA1(1~18GHz))	T&M system	S5L1	03/11/2026	Annual
RF Switching System	FMSR -05B (ATT(10dB) + LNA1(1~18GHz))	T&M system	S5L2	03/11/2026	Annual
RF Switching System	FMSR -05B (ATT(3dB) + LNA1(1~18GHz))	T&M system	S5L3	03/11/2026	Annual
RF Switching System	FMSR -05B (LNA1(1~18GHz))	T&M system	S5L4	03/11/2026	Annual
RF Switching System	FMSR -05B (HPF(7~18GHz) + LNA2(6~18GHz))	T&M system	S5L5	03/11/2026	Annual
RF Switching System	FMSR -05B (Thru(30MHz ~ 18GHz))	T&M system	S5L6	03/11/2026	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/07/2025	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/19/2026	Annual
Bluetooth Tester	TC-3000C	TESCOM	3000C000175	03/12/2026	Annual
Spectrum Analyzer	FSV40 (9 kHz ~ 40 GHz)	Rohde & Schwarz	101510	09/24/2025	Annual
Automation Software	FCC WLAN Radiated	HCT CO., LTD	-	-	-

4.2.3 Digitizer

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Controller (Antenna mast & Turn Table)	CO3000	Innco system	CO3000/ 15421/57580623/G	N/A	N/A
Antenna Position Tower	MA4640	Innco system	9320422	04/03/2026	Biennial
Turn Table	N/A	Innco system	5930623	N/A	N/A
LISN	ENV216	Rohde & Schwarz	102245	07/17/2025	Annual
EMI Test Receiver	ESR	Rohde & Schwarz	101910	07/02/2025	Annual
Loop Antenna	FMZB 1513	Schwarzbeck	1513-175	01/06/2027	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	9168-1135	08/19/2026	Biennial
Power Amplifier	310N	SONOMA INSTRUMENT	186169	02/05/2026	Annual
Spectrum Analyzer	FSV40 (9 kHz ~ 40 GHz)	Rohde & Schwarz	101510	09/24/2025	Annual