

EVALUATION REPORT

Applicant Name:
SAMSUNG Electronics Co., Ltd.

Date of Issue:
May 15, 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: A3LSMF766B

APPLICANT: SAMSUNG Electronics Co., Ltd.

Equipment Class(es) : PCE, DSS, DTS, UNII, DCD, DXX, 6CD, 6VL
FCC Rule Part(s) : 2, 15, 22, 24, 27, 90
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 Referencing Test Data v03

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

Category	Spot Check	Verdict
Licensed EMC	ERP / EIRP	Share
	RSE	Share
Unlicensed EMC	Conducted output Power	Share
	Radiated Band Edge	Share
	Radiated Spurious Emissions	Share
	Radiated 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	May 15, 2025	Initial Release

1. Cross Reference Table (Licensed EMC)

1) Data referencing band

- 2G3G : GSM1900(Main 2 ANT), WCDMA1700(Main 2 ANT), WCDMA1900(Main 2 ANT),
WCDMA1700(Sub 5 ANT_RSE), WCDMA1900(Sub 5 ANT_RSE).
- 4G : LTE B25(Main 2 ANT), B66.
- 5G : NR n25(2), n66, n77(3450~3550 MHz).

2) Full test band

- 2G3G : GSM850, WCDMA850, WCDMA1700(Sub 5 ANT_EIRP), WCDMA1900(Sub 5 ANT_EIRP)
- 4G : LTE B2, B4, B5, B12(17), B13, B25(Sub 5 ANT), B26(Part22), B26(Part90), B41_PC2.
- 5G : NR n5, n41_PC3, n71, n77(3700~3980 MHz).

2G3G

Rule Part	Test item	Data Referencing	Comments
§ 2.1049	Occupied Bandwidth	Y	-
§ 2.1046	Conducted Output Power	Y	Spot-check (See Note1, 2)
§ 2.1055, § 24.235, § 27.54	Frequency stability / variation of ambient temperature	Y	-
§ 2.1051, § 24.238(a), § 27.53(c)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal..	Y	-
§ 24.232(c), § 27.50(d)(4)	Equivalent Isotropic Radiated Power	Y	Spot-check
§ 2.1053, § 24.238(a), § 27.53(h)	Radiated Spurious and Harmonic Emissions	Y	Spot-check
§ 24.232(d), § 27.50(d)(5)	Peak- to- Average Ratio	Y	-

LTE, NR Part24

Rule Part	Test item	Data Referencing	Comments
§ 2.1046	Conducted Output Power	Y	Spot-check (See Note1, 2)
§ 2.1049	Occupied Bandwidth	Y	-
§ 2.1051, § 24.238(a)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal..	Y	-
§ 24.232(d)	Peak- to- Average Ratio	Y	-
§ 24.235	Frequency stability	Y	-
§ 24.232(c)	Equivalent Isotropic Radiated Power	Y	Spot-check
§ 2.1053, § 24.238(a)	Radiated Spurious Emissions	Y	Spot-check

LTE, NR Part27

Rule Part	Test item	Data Referencing	Comments
§ 2.1046	Conducted Output Power	Y	Spot-check (See Note1, 2)
§ 2.1051, § 27.53(h) , § 27.53(n)(2), § 27.53(l)(2)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.	Y	-
§ 27.50(d)(5), § 27.50(k)(4), § 27.50(j)(4)	Peak- to- Average Ratio	Y	-
§ 2.1055, § 27.54	Frequency stability / variation of ambient temperature	Y	-
§ 27.50(d)(4)	Equivalent Isotropic Radiated Power	Y	Spot-check
§ 2.1053, § 27.53(h)	Radiated Spurious and Harmonic Emissions	Y	Spot-check
§ 27.50(k)(3), § 27.50(j)(3)	Equivalent Isotropic Radiated Power	N	Full test
§ 2.1051, § 27.53(n)(2), § 27.53(l)(2)	Radiated Spurious and Harmonic Emissions	N	Full test

Note:

1. The Tune-up power of the SM-F766U and SM-F766B are same.
2. Please refer to the results of the SAR report.

2. Cross Reference Table (Unlicensed EMC)

1) Data referencing

- [BT], [BT LE 5.4], [UNII], [UNII ax, be], [UNII 6G], [DTS], [DTS ax, be], [WPT], [NFC], [DFS] Test Report

2) Additional test

- [DTS] Test Report → 802.11b, g, n, ac Ch.12 ~ Ch.13.

- [DTS ax, be] Test Report → 802.11ax, be Ch.12~Ch.13.

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	Spot-check
	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	Spot-check
	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 (WPT)	2.1049	Emission bandwidth.	Y	-
	15.209	Radiated emission	Y	Spot-check
	15.207	AC Power Line Conducted Emission	Y	Spot-check

Equipment Class	Rule Part	Test item	Data Referencing	Comments
DXX (NFC)	Part 15.225 (a), (b), (c)	Radiated Electric Field Emissions	Y	Spot-check
	Part 15.209	Radiated Electric Field Emissions	Y	Spot-check
	Part 15.225 (e)	Frequency Stability	Y	-
	Part 15.207	AC power conducted emissions	Y	Spot-check
	Part 15.215 (c)	20 dB Bandwidth	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	Spot-check
	§ 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	-

Equipment Class	Rule Part	Test item	Data Referencing	Comments
6CD & 6VL (WLAN 6GHz)	§ 15.407(a)(10)	26dB Bandwidth	Y	-
	§ 15.407(a)(10)	99% Bandwidth	Y	-
	§ 15.407(a)(4)	Output Power Maximum EIRP	Y	Spot-check
	§ 15.407(a)(4)	Output Power Maximum EIRP Power Spectral Density	Y	-
	15.407 (b)(9)	AC Conducted Emissions	Y	Spot-check
	§ 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 Licensed EMC - Radiated

1.1 EQUIVALENT ISOTROPIC RADIATED POWER

Mode	Ch./Freq.		Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP	
	channel	Freq.(MHz)						W	W	dBm
GSM1900 (Main 2 ant)	661	1880.0	-16.54	18.83	10.11	2.21	V	< 2.00	0.471	26.73
WCDMA1900 (Main 2 ant)	9400	1880.0	-21.79	13.58	10.11	2.21	V		0.141	21.48
LTE B25 (Main 2 ant)	26615	1907.5	-22.32	12.62	10.40	2.17	H		0.122	20.85
Sub6 n25(2) (Main 2 ANT)	373500	1867.5	-19.83	14.08	10.39	2.16	H		0.170	22.31
Sub6 n25(2) (Sub 5 ANT)	374000	1870.0	-25.98	7.93	10.39	2.16	H		0.041	16.16

Mode	Ch./Freq.		Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP	
	channel	Freq.(MHz)						W	W	dBm
WCDMA1700 (Main 2 ant)	1513	1752.6	-21.50	12.75	10.02	2.08	H	< 1.00	0.117	20.69
LTE B66 (Main 2 ant)	132572	1770.0	-18.97	14.73	10.24	2.09	V		0.194	22.88
LTE B66 (Sub 5 ant)	132322	1745.0	-25.23	8.23	10.18	2.07	H		0.043	16.34
Sub6 n66 (Main 2 ANT)	355500	1777.5	-18.80	14.56	10.50	2.09	V		0.198	22.97
Sub6 n66 (Sub 5 ANT)	353500	1767.5	-25.89	7.53	10.49	2.09	H		0.039	15.93
Sub6 n77 (3450 MHz - 3550 MHz)	633334	3500.01	-22.31	16.01	12.04	3.04	H		0.317	25.01

Modulation	Frequency		Mode	A3LSMF766U (dBm)	A3LSMF766B (dBm)	Deviation (dB)
	MHz	Ch.				
GSM 1900 (Main 2 ANT)	1880.0	661	VOICE	26.53	26.73	-0.20
WCDMA 1700 (Main 2 ANT)	1752.6	1513	RMC	19.61	20.69	-1.08
WCDMA 1900 (Main 2 ANT)	1880.0	9400	RMC	20.96	21.48	-0.52
LTE B25 (Main 2 ant) (B.W 15 MHz)	1907.5	26615	QPSK	21.67	20.85	0.82
LTE B66 (Main 2 ant) (B.W 20 MHz)	1770.0	132572	QPSK	21.44	22.88	-1.44
LTE B66 (Sub 5 ant) (B.W 20 MHz)	1745.0	132322	QPSK	17.39	16.34	1.05
Sub6 n25(2) (Main 2 ANT) (B.W 35 MHz)	1867.5	373500	PI/2 BPSK	21.89	22.31	-0.42
Sub6 n25(2) (Sub 5 ANT) (B.W 40 MHz)	1870.0	374000	PI/2 BPSK	16.10	16.16	-0.06
Sub6 n66 (Main 2 ANT) (B.W 5 MHz)	1777.5	355500	PI/2 BPSK	22.14	22.97	-0.83
Sub6 n66 (Sub 5 ANT) (B.W 25 MHz)	1767.5	353500	PI/2 BPSK	16.93	15.93	1.00
Sub6 n77 (3450 MHz - 3550 MHz) (B.W 90 MHz)	3500.01	633334	PI/2 BPSK	26.21	25.01	1.20

1.2 RADIATED SPURIOUS EMISSIONS

Mode, Channel, (Frequency)	Freq. (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol.	Result (dBm)
GSM1900 (Main 2 ant) CH 810 (1909.8)	7 639.20	-52.85	11.56	-48.78	4.68	H	-41.90
WDM1700 (Main 2 ant) CH 1412 (1732.4)	6 929.60	-55.68	11.14	-52.04	4.40	V	-45.30
WDM1700 (Sub 5 ant) CH 1312 (1712.4)	6,849.60	-54.17	11.07	-50.32	4.36	H	-43.61
WDM1900 (Main 2 ant) CH 9262 (1852.4)	7 409.60	-55.01	11.09	-51.07	4.57	H	-44.55
WDM1900 (Sub 5 ant) CH 9262 (1852.4)	7,630.40	-54.35	11.56	-50.39	4.66	V	-43.49
LTE B25 (Main 2 ant) CH 26115 (1857.5)	7 430.00	-44.74	10.78	-47.75	4.56	H	-41.53
LTE B66 (Main 2 ant) CH 132572 (1770.0)	7 080.00	-45.39	10.93	-50.04	4.49	H	-43.60
LTE B66 (Sub 5 ant) CH 132322 (1745.0)	3 490.00	-28.25	12.34	-46.50	3.04	H	-37.20
Sub6 n25(2) (Main 2 ANT) CH 376500 (1882.5)	7 530.00	-63.74	11.57	-48.97	4.60	V	-42.00
Sub6 n25(2) (Sub 5 ANT) CH 376500 (1882.5)	3 765.00	-51.74	11.88	-51.13	3.11	H	-42.36
Sub6 n66 (Main 2 ANT) CH 349000 (1745.0)	3 490.00	-51.40	12.04	-52.14	3.04	H	-43.14
Sub6 n66 (Sub 5 ANT) CH 349000 (1745.0)	3 490.00	-51.12	12.04	-51.86	3.04	H	-42.86
Sub6 n77 (3450 MHz - 3550 MHz) CH 633000 (3495.0)	10 485.00	-50.80	11.72	-40.25	5.61	V	-34.14

Modulation	Frequency		Mode	A3LSMF766U (dBm)	A3LSMF766B (dBm)	Deviation (dB)
	MHz	Ch.				
GSM1900 (Main 2 ant)	1909.8	810	VOICE	-42.51	-41.90	-0.61
WDM1700 (Main 2 ant)	1732.4	1412	RMC	-45.57	-45.30	-0.27
WDM1700 (Sub 5 ant)	1712.4	1312	RMC	-44.99	-43.61	-1.38
WDM1900 (Main 2 ant)	1852.4	9262	RMC	-44.38	-44.55	0.17
WDM1900 (Sub 5 ant)	1852.4	9262	RMC	-42.80	-43.49	0.69
LTE B25 (Main 2 ant) (B.W 15 MHz)	1857.5	26115	QPSK	-38.54	-41.53	2.99
LTE B66 (Main 2 ant) (B.W 20 MHz)	1770.0	132572	QPSK	-42.02	-41.36	-0.66
LTE B66 (Sub 5 ant) (B.W 20 MHz)	1745.0	132322	QPSK	-39.28	-37.20	-2.08
Sub6 n25(2) (Main 2 ANT) (B.W 35 MHz)	1882.5	376500	PI/2 BPSK	-41.95	-42.00	0.05
Sub6 n25(2) (Sub 5 ANT) (B.W 40 MHz)	1882.5	376500	PI/2 BPSK	-38.86	-42.36	3.50
Sub6 n66 (Main 2 ANT) (B.W 5 MHz)	1745.0	349000	PI/2 BPSK	-42.01	-43.14	1.13
Sub6 n66 (Sub 5 ANT) (B.W 25 MHz)	1745.0	349000	PI/2 BPSK	-41.27	-42.86	1.59
Sub6 n77 (3450 MHz - 3550 MHz) (B.W 90 MHz)	3495.0	633000	PI/2 BPSK	-31.82	-34.14	2.32

2. Summary of the spot check for Unlicensed EMC

2.1 Radiated Spot Check Result

Report	Test Item	Mod/Channel	Measured Frequency [MHz]	A3LSMF766U Result [dBμV/m]		A3LSMF766B Result [dBμV/m]		Deviation (dB)	
				Peak	Average	Peak	Average	Peak	Average
BT	Band Edge	Dual/2-DH5/Ch.78 (Core : Dual QC)	2483.5 MHz~2500 MHz	71.88	47.15	73.27	48.54	1.39	1.39
	RSE	Ant1/DH5/Ch.39 (Core : ePA Ant0)	7323 MHz	49.72	24.99	48.45	23.72	-1.27	-1.27
DTS	Band Edge (ANT ALL)	802.11ac(20M) MCS0/ch. 11	2483.5 MHz~2500 MHz	63.94	51.22	65.10	51.65	1.16	0.43
	RSE (ANT ALL)	802.11b 1 Mbps/ch. 6	7311 MHz (3rd Harmonic)	52.93	41.23	53.01	40.26	0.08	-0.97
DTS(be)	Band Edge (ANT ALL)	802.11be(EHT20)_242T RU61_MCS0/ch. 11	# 2483.5 MHz~2500 MHz	64.15	51.61	63.25	51.87	-0.90	0.26
	RSE (ANT ALL)	802.11be(EHT 20)_26T RU4 MCS0/ch. 11	7386 MHz (3rd Harmonic)	53.24	40.49	52.84	40.43	-0.40	-0.06
BT(LE)	Band Edge	Ant1/1M37/Ch.39 (Core : ePA Ant0)	2483.5 MHz~2500 MHz	60.10	42.50	63.38	43.81	3.28	1.31
	RSE	Ant1/1M37/Ch.39 (Core : ePA Ant0)	7440 MHz	49.02	38.00	48.33	36.81	-0.69	-1.19
UNII	Band Edge (ANT ALL)	802.11ac(80M)_ MCS0/ch.106	5350 MHz ~ 5460 MHz	59.02	47.52	58.49	45.94	-0.53	-1.58
	RSE (ANT ALL)	802.11a 6Mbps/ch.177	17655 MHz (3rd Harmonic)	57.34	-	57.02	-	-0.32	-
UNII(be)	Band Edge (ANT ALL)	802.11be(EHT160) SU MCS0/ch.50	5350 MHz ~ 5460 MHz	71.11	51.68	69.62	51.00	-1.49	-0.68
	RSE (ANT ALL)	802.11be(EHT20)_242T RU61 MCS0/ch.36	10360 MHz	58.93	-	57.38	-	-1.55	-
UNII 6G(be)	Band Edge (ANT ALL)	[SP] 802.11be (EHT20) SU MCS0/ch.2	# 5924.5 MHz	77.06	65.51	77.88	65.80	0.82	0.29
	RSE (ANT ALL)	[SP] 802.11be EHT80(26T_RU19)_MCS0/Ch.7	17955 MHz (3rd Harmonic)	58.02	45.84	57.40	45.85	-0.62	0.01
WPT	Field Strength	Power Sharing	110 - 148 kHz	7.91		7.88		-0.03	
	RSE		490 kHz - 1.705 MHz	15.36		15.15		-0.21	
NFC	Field Strength	Type A, 106 kbps	13.56 MHz	18.68		18.41		-0.27	
	RSE		38.25 MHz - 73 MHz	27.90		27.30		-0.60	
## AC Power Line Conducted Emissions			150 kHz – 30 MHz	35.50		34.52		-0.98	

: 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]	A3LSMF766U Result [dBμV/m]		A3LSMF766B Result [dBμV/m]		Deviation (dB)	
				Peak	Average	Peak	Average	Peak	Average
BT	Conducted Output Power	DH5	2441 MHz	18.21	-	18.35	-	0.13	-
BT(LE)		1M 37Byte	2440 MHz	-	16.19	-	17.19	-	1.00
DTS		802.11g 6 Mbps	2437 MHz	-	19.84	-	19.26	-	-0.58
DTS(be)		802.11be(EHT20) SU MCS0	2437 MHz	-	19.71	-	19.18	-	-0.53
UNII		802.11a 6 Mbps / ch.48	5240 MHz	-	19.87	-	19.43	-	-0.44
UNII(be)		802.11be(EHT20) SU MCS0 / ch.48	5240 MHz	-	20.18	-	19.69	-	-0.49
UNII 6e(be)		802.11be(EHT20) SP SU MCS0 / ch.45	6175 MHz	-	18.57	-	18.38	-	-0.19

3. TEST RESULT

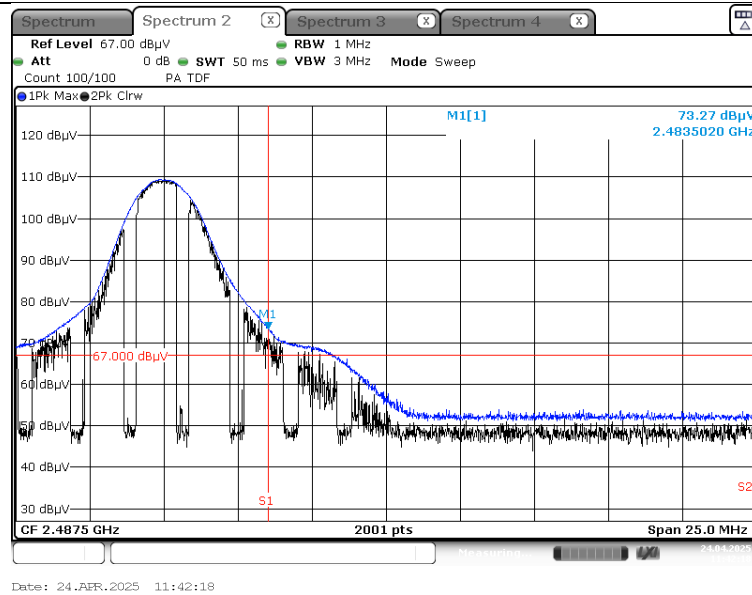
BT Band Edge (Dual/2-DH5/Ch.78)

Frequency	Measured Value	AF+CL	ANT. POL	Duty Cycle Correction	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[H/V]	[dB]	[dBμV/m]	[dBμV/m]	[dB]	
2483.5	73.27	-	H	0.00	73.27	73.98	0.71	PK
2483.5	73.27	-	H	-24.73	48.54	53.98	5.44	AV

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

■ Test Plot

[Peak & Average Result]

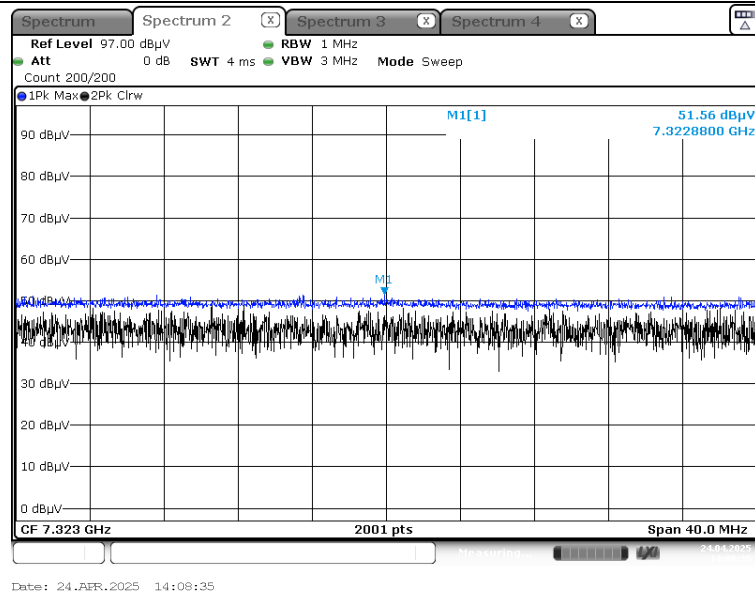


BT R.S.E Harmonic(Ant1/DH5/Ch.39)

Frequency	Measured Value	AF+CL-AG	ANT. POL	Duty Cycle Correction	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB/m]	[H/V]	[dB]	[dBμV/m]	[dBμV/m]	[dB]	
4882	53.67	-9.58	V	0.00	44.09	73.98	29.89	PK
4882	53.67	-9.58	V	-24.73	19.36	53.98	34.62	AV
7323	51.18	-3.11	V	0.00	48.07	73.98	25.91	PK
7323	51.18	-3.11	V	-24.73	23.34	53.98	30.64	AV
4882	54.41	-9.58	H	0.00	44.83	73.98	29.15	PK
4882	54.41	-9.58	H	-24.73	20.10	53.98	33.88	AV
7323	51.56	-3.11	H	0.00	48.45	73.98	25.53	PK
7323	51.56	-3.11	H	-24.73	23.72	53.98	30.26	AV

Test Plot

[Peak & Average Result]

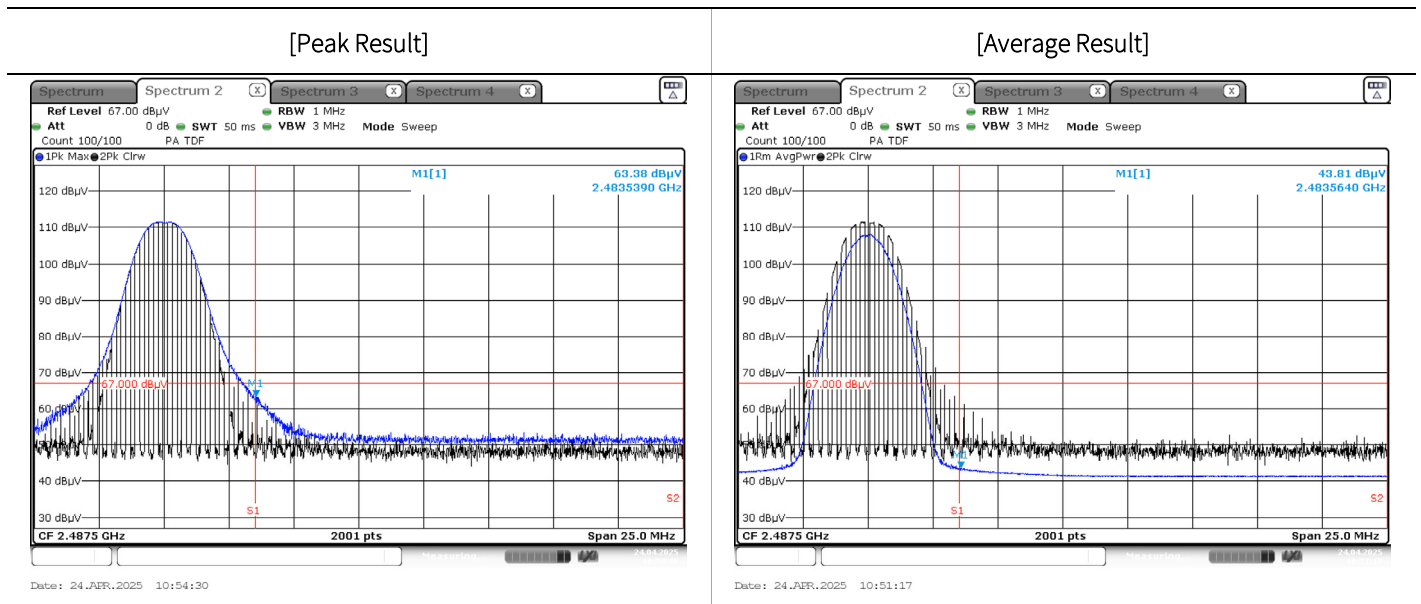


BT LE Band Edge (Ant1/1M37/Ch.39)

Frequency	Measured Value	AF+CL	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2483.5	63.38	-	H	63.38	73.98	10.60	PK
2483.5	43.81	-	H	43.81	53.98	10.17	AV

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

■ Test Plot

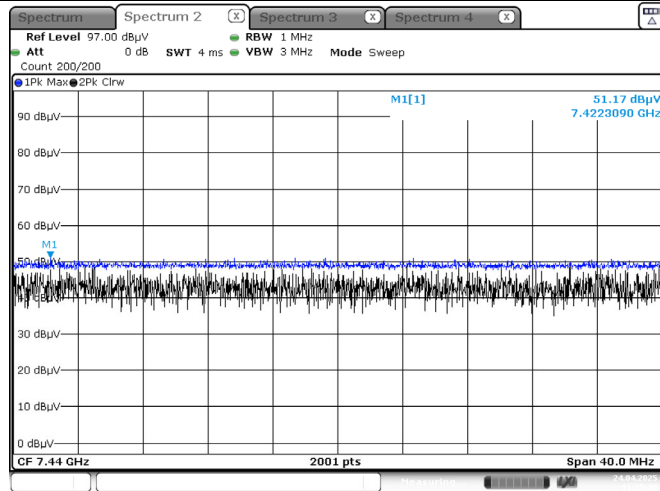


BT LE R.S.E Harmonic(Ant1/1M37/Ch.39)

Frequency	Measured Value	AF+CL-AG	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
4960	54.99	-9.25	V	45.74	73.98	28.24	PK
4960	43.24	-9.25	V	33.99	53.98	19.99	AV
7440	50.68	-2.84	V	47.84	73.98	26.14	PK
7440	39.51	-2.84	V	36.67	53.98	17.31	AV
4960	55.11	-9.25	H	45.86	73.98	28.12	PK
4960	43.64	-9.25	H	34.39	53.98	19.59	AV
7440	51.17	-2.84	H	48.33	73.98	25.65	PK
7440	39.65	-2.84	H	36.81	53.98	17.17	AV

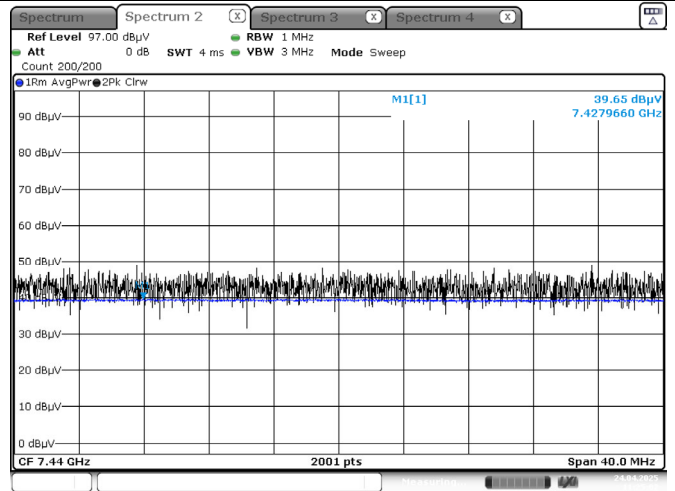
Test Plot

[Peak Result]



Date: 24.APR.2025 11:25:30

[Average Result]



Date: 24.APR.2025 11:25:02

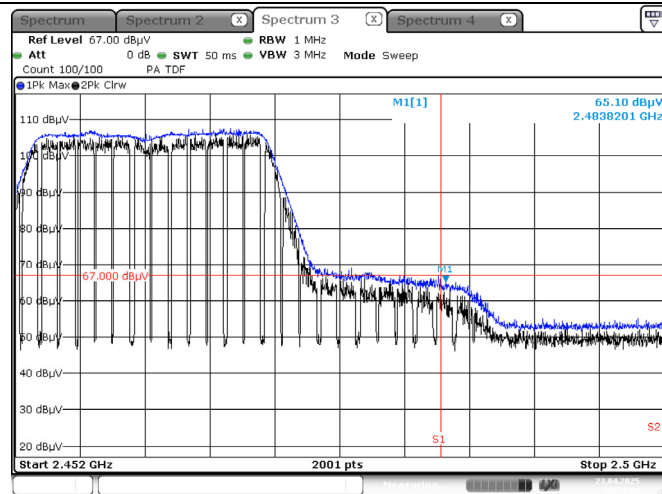
DTS Band Edge (ANT ALL) (MIMO, 802.11ac(20M) MCS0/ch. 11)

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]	
2483.5	65.10	0.00	-	H	65.10	73.98	8.88	PK
2483.5	51.28	0.37	-	H	51.65	53.98	2.33	AV

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

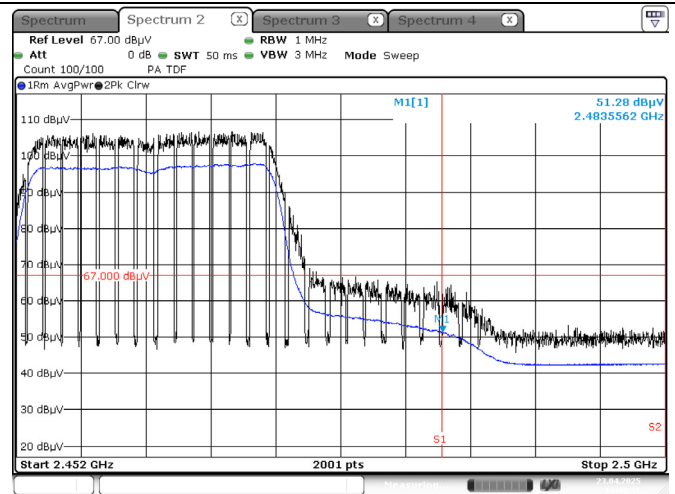
▣ Test Plot

[Peak Result]



Date: 23.APR.2025 14:54:25

[Average Result]

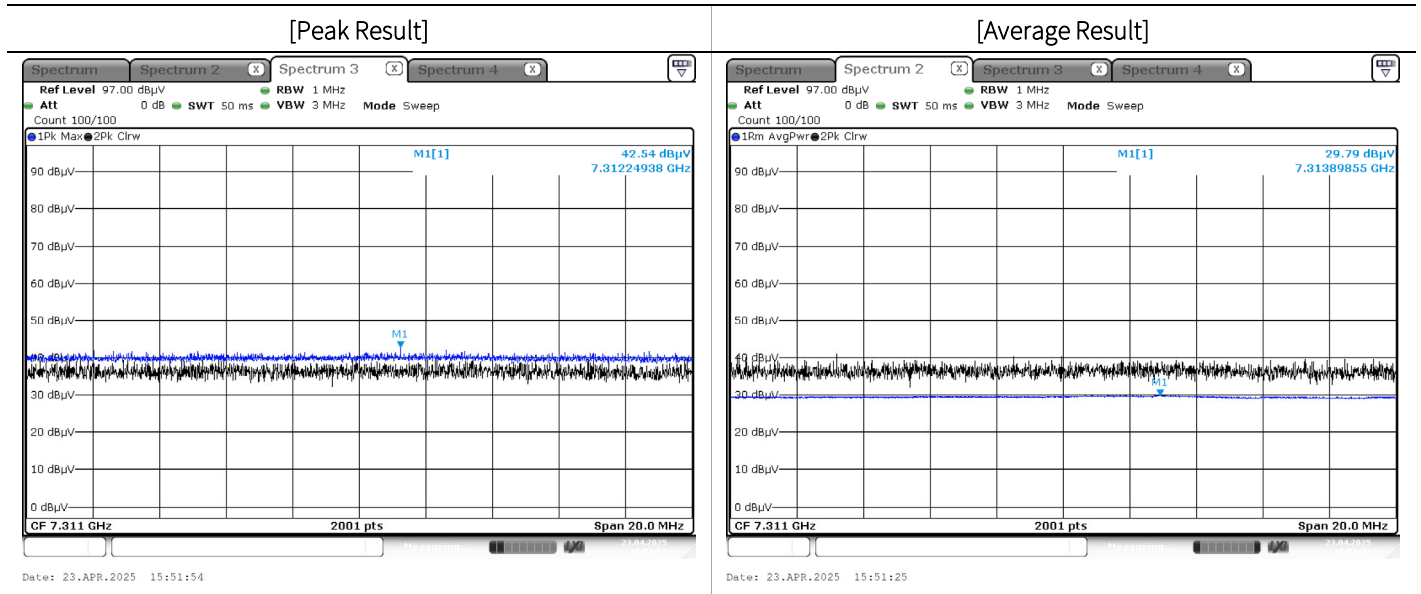


Date: 23.APR.2025 14:49:17

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

Band :	DTS	Operation Mode :		802.11b			
CH.6	2437	Transfer Rate :		1 Mbps			
Frequency	Measured value	CL+AF+DF-AG	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
4874	42.19	4.16	V	46.35	73.98	27.63	PK
4874	29.58	4.16	V	33.74	53.98	20.24	AV
7311	42.54	10.47	V	53.01	73.98	20.97	PK
7311	29.79	10.47	V	40.26	53.98	13.72	AV
4874	42.27	4.16	H	46.43	73.98	27.55	PK
4874	30.60	4.16	H	34.76	53.98	19.22	AV
7311	42.16	10.47	H	52.63	73.98	21.35	PK
7311	29.55	10.47	H	40.02	53.98	13.96	AV

Test Plot



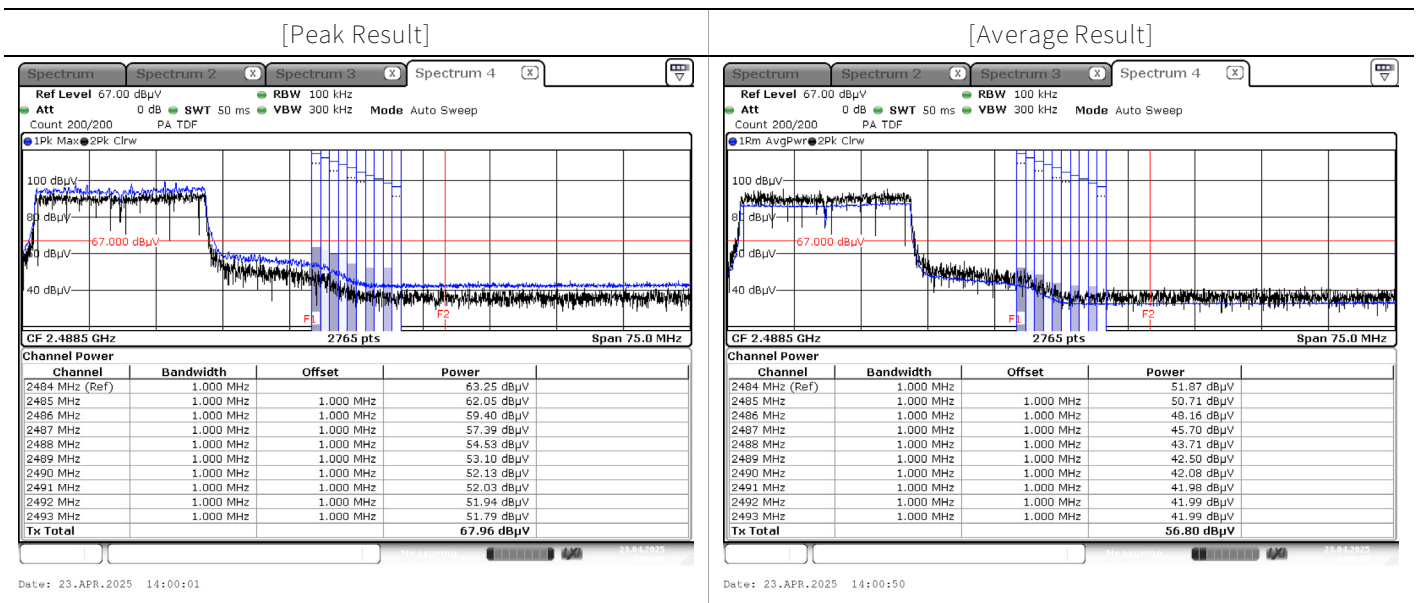
DTS be Band Edge (ANT ALL) (MIMO, 802.11be(EHT20)_242T RU61_MCS0/ch. 11)

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	63.25	0.00	-	H	63.25	73.98	10.73	PK
#2483.5	51.87	0.00	-	H	51.87	53.98	2.11	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)

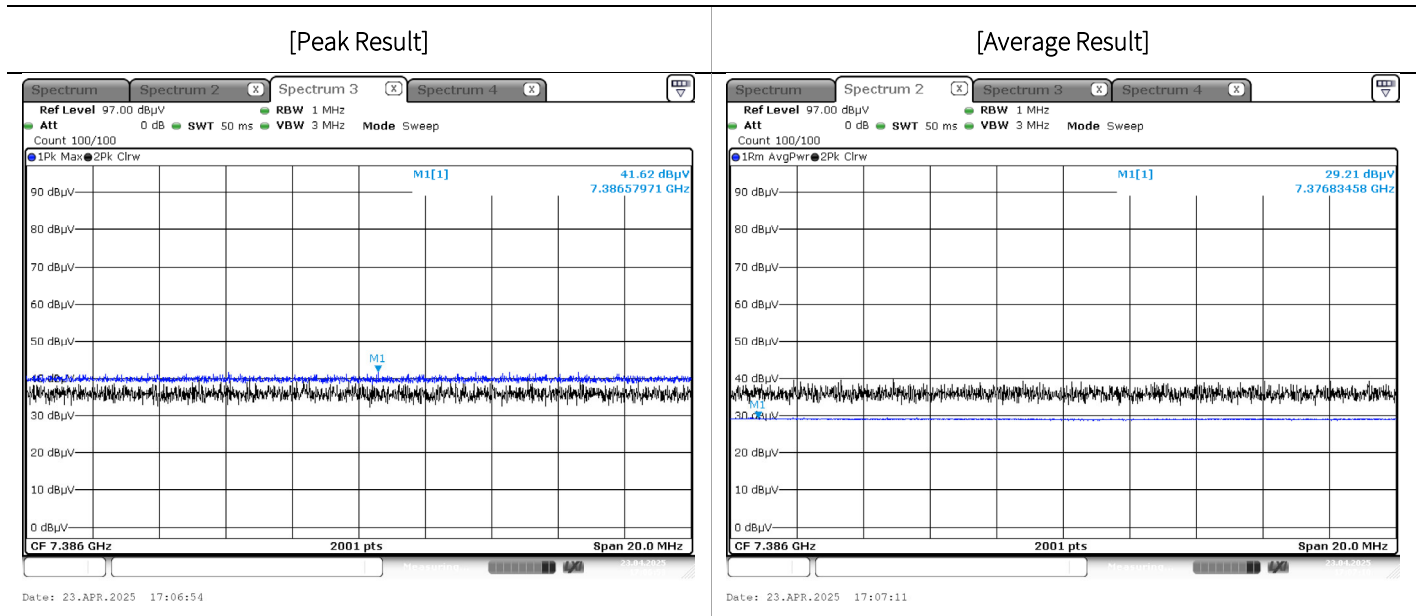
■ Test Plot



DTS be R.S.E Harmonic (ANT ALL) (MIMO, 802.11be(EHT 20)_26T RU4 MCS0/ch. 11)

Band : DTS			Operation Mode :		802.11be 26T RU4			
CH.11 2462 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
4924	42.70	0.00	3.45	V	46.15	73.98	27.83	PK
4924	30.05	0.00	3.45	V	33.50	53.98	20.48	AV
7386	41.62	0.00	11.22	V	52.84	73.98	21.14	PK
7386	29.21	0.00	11.22	V	40.43	53.98	13.55	AV
4924	42.31	0.00	3.45	H	45.76	73.98	28.22	PK
4924	29.99	0.00	3.45	H	33.44	53.98	20.54	AV
7386	41.57	0.00	11.22	H	52.79	73.98	21.19	PK
7386	29.09	0.00	11.22	H	40.31	53.98	13.67	AV

■ Test Plot

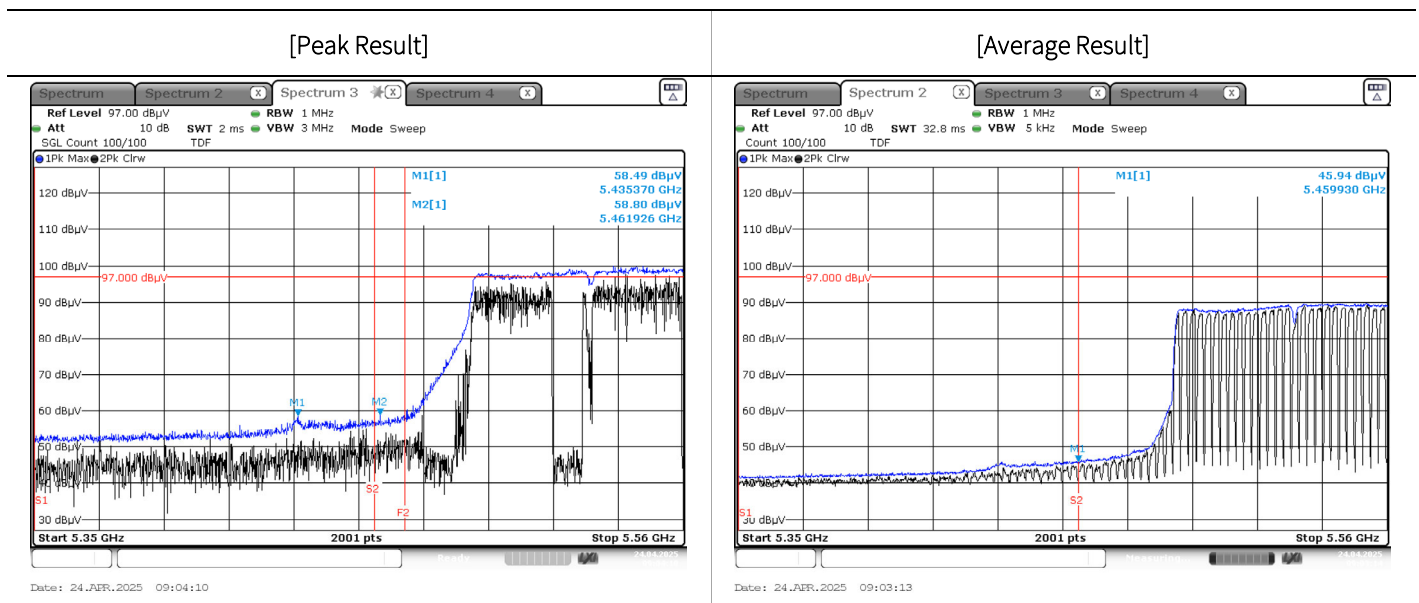


UNII Band Edge (ANT ALL) (MIMO, 802.11ac(80M)_ MCS0/ch.106)

Frequency	Measured Value	CL+AF+DF-AG+ATT	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
5460	58.49	-	H	58.49	73.98	15.49	PK
5460	45.94	-	H	45.94	53.98	8.04	AV
5470	58.80	-	H	58.80	68.20	9.40	PK

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

Test Plot

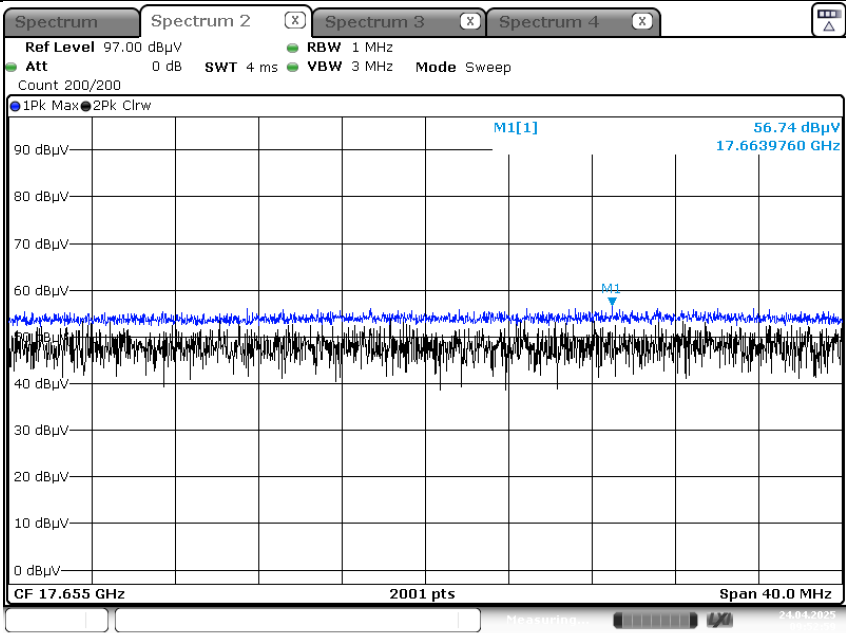


UNII R.S.E Harmonic (ANT ALL) (MIMO, 802.11a 6Mbps/ch.177)

Band :	UNII 4		Operation Mode : 802.11a				
CH.177	5885	MHz	Transfer Rate : 6Mbps				
Frequency	Measured value	CL+AF+DF-AG	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
11770	54.06	-2.98	V	51.08	73.98	22.90	PK
11770	41.27	-2.98	V	38.29	53.98	15.69	AV
17655	56.52	0.50	V	57.02	68.20	11.18	PK
11770	53.93	-2.98	H	50.95	73.98	23.03	PK
11770	41.22	-2.98	H	38.24	53.98	15.74	AV
17655	56.74	0.50	H	57.24	68.20	10.96	PK

Test Plot

[Peak Result]



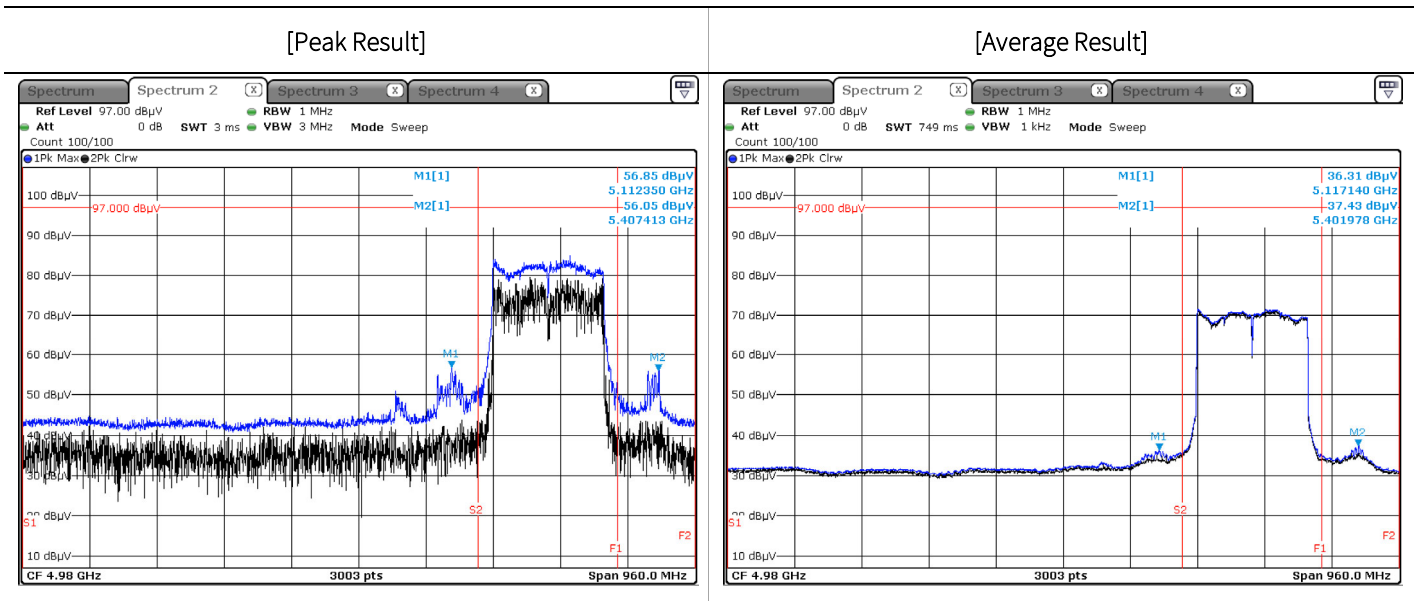
Date: 24.APR.2025 09:52:59

UNII be Band Edge (ANT ALL) (MIMO, 802.11be(EHT160) SU 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]	
5350	56.05	13.57	H	69.62	73.98	4.36	PK
5350	37.43	13.57	H	51.00	53.98	2.98	AV

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

Test Plot

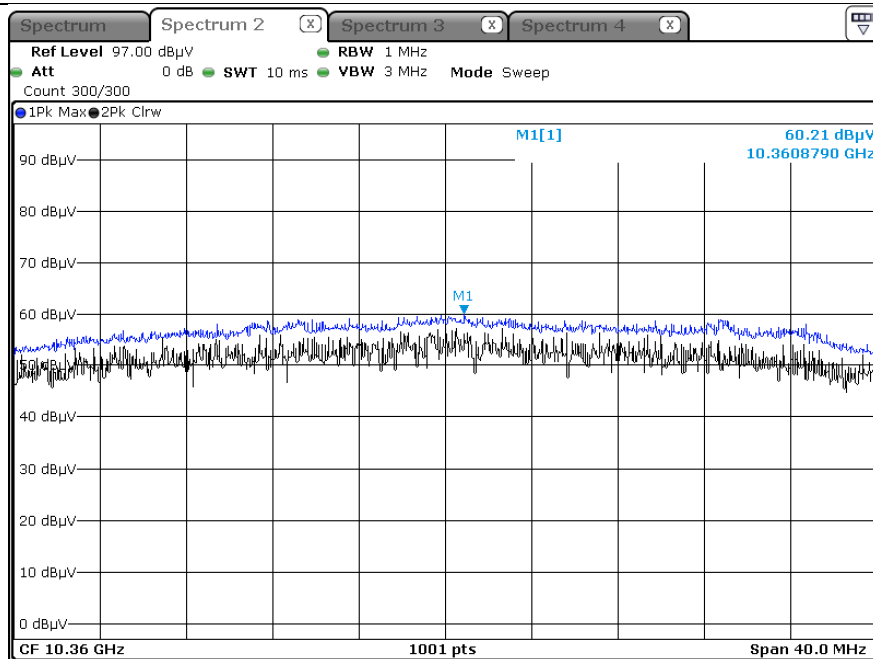


UNII be R.S.E Harmonic (ANT ALL) (MIMO, 802.11be(EHT20)_242T RU61 MCS0/ch.36)

Band :	UNII 1		Operation Mode :		802.11be_EHT20 MCS0 242T RU61		
CH.36	5180	MHz	Transfer Rate :		MCS0		
Frequency	Measured value	CL+AF+DF-AG	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
10360	60.21	-2.83	V	57.38	68.20	10.82	PK
15540	51.67	-0.82	V	50.85	73.98	23.13	PK
15540	38.57	-0.82	V	37.75	53.98	16.23	AV
10360	60.04	-2.83	H	57.21	68.20	10.99	PK
15540	52.07	-0.82	H	51.25	73.98	22.73	PK
15540	38.82	-0.82	H	38.00	53.98	15.98	AV

Test Plot

[Peak Result]

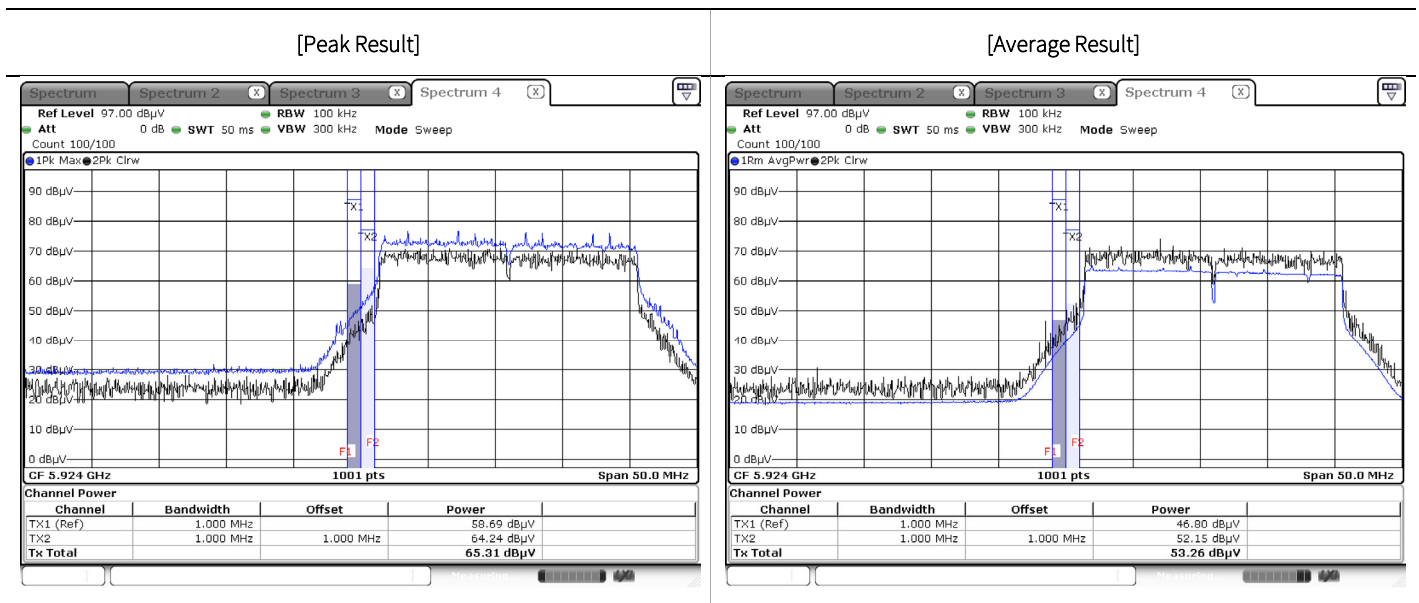


UNII 6e Band Edge (ANT ALL) (802.11be (EHT20) SU MCS0/ch.2)

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	64.24	0.00	13.64	V	77.88	88.23	10.35	PK
#5924.5	52.15	0.01	13.64	V	65.80	68.23	2.43	AV
#5923.5	58.69	0.00	13.64	V	72.33	88.23	15.90	PK
#5923.5	46.80	0.01	13.64	V	60.45	68.23	7.78	AV
5460 - 5923	62.08	0.00	13.64	V	75.72	88.23	12.51	PK
5460 - 5923	44.80	0.01	13.64	V	58.45	68.23	9.78	AV
5350 - 5460	40.39	0.00	12.05	V	52.44	73.98	21.54	PK
5350 - 5460	28.60	0.01	12.05	V	40.66	53.98	13.32	AV

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

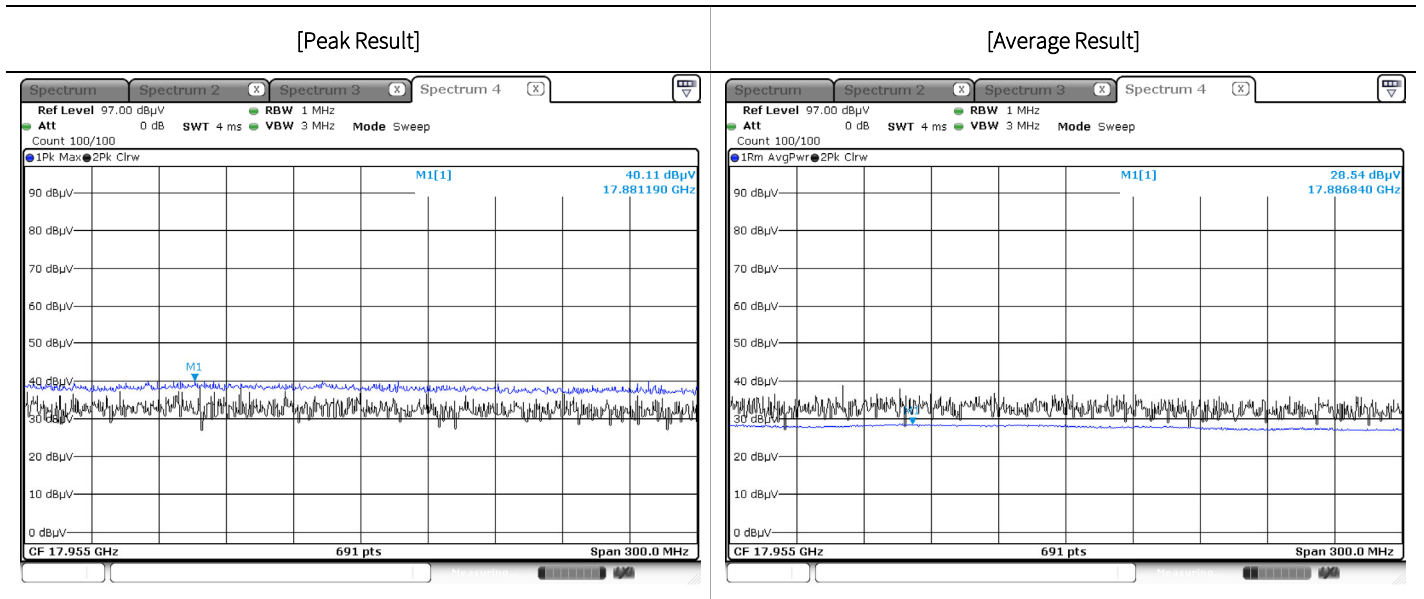
Test Plot



UNII 6e R.S.E Harmonic (ANT ALL) (802.11be EHT80(26T_RU19)_MCS0/Ch.7)

Band : UNII 5				Operation Mode : 802.11be_EHT80 MCS0 26T RU19				
CH.7 5985 MHz				Transfer Rate : MCS0				
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
11970	43.26	0.00	8.46	V	51.72	73.98	22.26	PK
11970	31.45	0.02	8.46	V	39.93	53.98	14.05	AV
17955	40.01	0.00	17.29	V	57.30	73.98	16.68	PK
17955	28.49	0.02	17.29	V	45.80	53.98	8.18	AV
11970	43.01	0.00	8.46	H	51.47	73.98	22.51	PK
11970	31.33	0.02	8.46	H	39.81	53.98	14.17	AV
17955	40.11	0.00	17.29	H	57.40	73.98	16.58	PK
17955	28.54	0.02	17.29	H	45.85	53.98	8.13	AV

Test Plot



WPT Fundamental(Power Sharing)

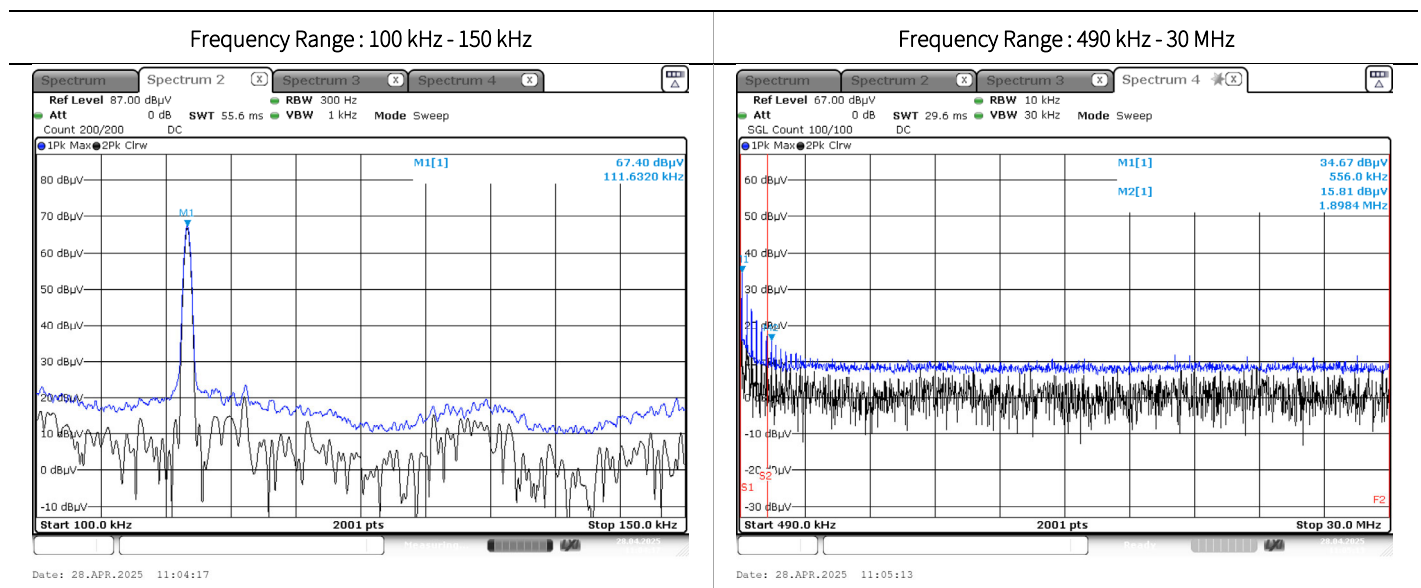
Fundamental

Frequency	Measured value	Ant.Factor	Cable Loss	Distance Correction	Result Level	Limit	Margin
[kHz]	[dBμV/m@3m]	[dB/m]	[dB]	[dB]	[dBμV/m]	[dBμV/m]	[dB]
#111.632	67.40	19.90	0.58	-80.00	7.88	26.65	18.77
556.000	34.67	19.90	0.58	-40.00	15.15	32.70	17.56
1898.400	15.81	19.90	0.58	-40.00	-3.71	29.54	33.25

Note :

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

Test Plot



NFC fund (Type A, 106 kbps)

Frequency	Measured value	Ant.Factor + Cable Loss	Distance Correction	Ant. POL	Total	Limit	Margin
[MHz]	[dBμV@3m]	[dB/m]	[dB]	[H/V]	[dBμV/m@30m]	[dBμV/m@30m]	
13.5603	37.93	20.48	-40.00	H	18.41	84.00	65.59

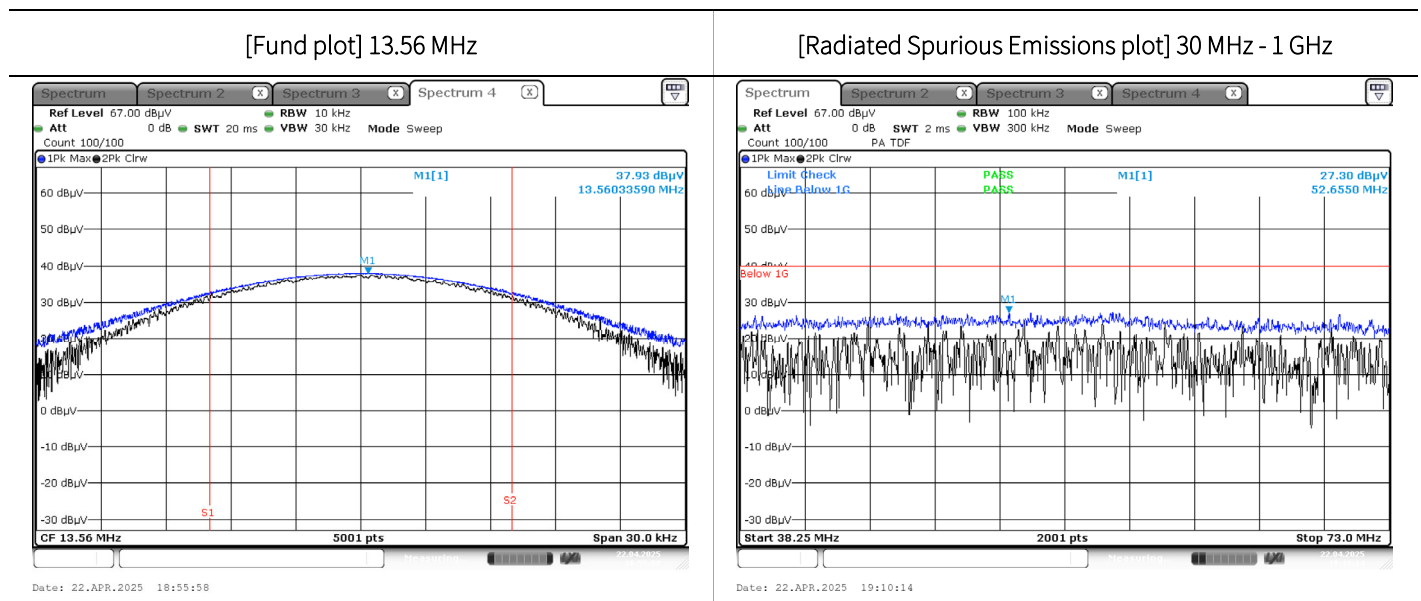
RSE

Frequency	Measured value	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
[MHz]	[dBμV]	[dB/m]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]
52.6550	27.30	-	-	V	27.30	40.00	12.70

Note:

- We apply to the offset in range 30 MHz - 1 GHz
- The offset = Antenna Factor(A.F) + Cable Loss(C.L)

Test Plot



AC Power Line

Test

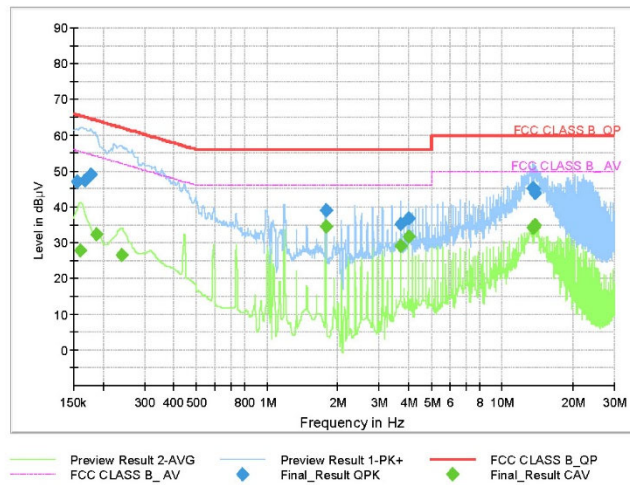
1 / 1

Test Report

Common Information

EUT : SM-F766B
Operating Conditions : WPT Mode
Comment :

Full Spectrum



Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.1545	47.12	65.75	18.64	9.000	N	9.6
0.1680	47.43	65.06	17.63	9.000	N	9.6
0.1770	48.83	64.63	15.80	9.000	N	9.6
1.7758	39.01	56.00	16.99	9.000	L1	9.7
3.6950	35.35	56.00	20.65	9.000	L1	9.8
3.9943	36.71	56.00	19.29	9.000	L1	9.8
13.5478	45.07	60.00	14.93	9.000	L1	10.2
13.6130	45.02	60.00	14.98	9.000	L1	10.2
13.7480	43.69	60.00	16.31	9.000	L1	10.2

Final_Result_CAV

Frequency (MHz)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.1613	27.71	55.40	27.69	9.000	N	9.6
0.1883	32.35	54.11	21.77	9.000	L1	9.6
0.2400	26.49	52.10	25.60	9.000	N	9.6
1.7758	34.52	46.00	11.49	9.000	L1	9.7
3.6973	29.22	46.00	16.78	9.000	L1	9.8
3.9943	31.73	46.00	14.27	9.000	L1	9.8
13.5478	34.09	50.00	15.91	9.000	L1	10.2
13.6108	34.38	50.00	15.62	9.000	L1	10.2
13.7525	34.85	50.00	15.15	9.000	L1	10.2

2025-04-17

오후 6:34:30

4. List of test equipment

4.1 licensed

Equipment	Model	Manufacture	Serial No.	Due to Calibration	Calibration Interval
RF Switching System	Switch box(1 G HPF+LNA)	HCT CO., LTD.,	F2L2	12/12/2025	Annual
RF Switching System	Switch box(3 G HPF+LNA)	HCT CO., LTD.,	F2L3	12/12/2025	Annual
RF Switching System	Switch box(LNA)	HCT CO., LTD.,	F2L5	12/12/2025	Annual
RF Switching System	Switch box(6 G HPF+LNA)	HCT CO., LTD.,	F2L14	12/12/2025	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/07/2025	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/19/2026	Annual
Power Splitter(DC ~ 26.5 GHz)	11667B	Hewlett Packard	5001	04/10/2026	Annual
DC Power Supply	E3632A	Agilent	MY40010147	08/06/2025	Annual
Dipole Antenna	UHAP	Schwarzbeck	01274	03/10/2026	Biennial
Dipole Antenna	UHAP	Schwarzbeck	01288	08/07/2026	Biennial
Chamber	SU-642	ESPEC	93008124	02/11/2026	Annual
Horn Antenna(1 ~ 18 GHz)	BBHA 9120D	Schwarzbeck	03197	11/28/2025	Biennial
Horn Antenna(1 ~ 18 GHz)	BBHA 9120D	Schwarzbeck	03201	11/28/2025	Biennial
Horn Antenna(15 ~ 40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170342	09/20/2026	Biennial
Horn Antenna(15 ~ 40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170124	03/23/2027	Biennial
Signal Analyzer(10 Hz ~ 26.5 GHz)	N9020A	Agilent	MY52090906	04/14/2026	Annual
ATTENUATOR(20 dB)	8493C	Hewlett Packard	17280	04/10/2026	Annual
Spectrum Analyzer(10 Hz ~ 40 GHz)	FSV40	ROHDE & SCHWARZ	101733	09/19/2025	Annual
Base Station	8960 (E5515C)	Agilent	MY48360800	08/05/2025	Annual
Loop Antenna(9 kHz ~ 30 MHz)	FMZB1513	Schwarzbeck	1513-333	03/07/2026	Biennial
Trilog Broadband Antenna	VULB9168	Schwarzbeck	895	08/28/2026	Biennial
Trilog Broadband Antenna	VULB9168	Schwarzbeck	1135	08/19/2026	Biennial
Radio Communication Test Station	MT8000A	Anritsu Corp.	6272613402	08/28/2025	Annual
SIGNAL GENERATOR (100 kHz ~ 40 GHz)	SMB100A	REOHDE & SCHWARZ	177633	07/26/2025	Annual
Signal Analyzer(5 Hz ~ 40.0 GHz)	N9030B	KEYSIGHT	MY55480167	05/17/2025	Annual
Signal Analyzer(2 Hz ~ 50.0 GHz)	N9040B	KEYSIGHT	US55230216	12/09/2025	Annual
Signal & Spectrum Analyzer (2 Hz~67 GHz)	FSW67	REOHDE & SCHWARZ	101736	05/23/2025	Annual
FCC LTE Mobile Conducted RF Automation Test Software	-	HCT CO., LTD.,	-	-	-

Equipment	Model	Manufacture	Serial No.	Due to Calibration	Calibration Interval
RF Switching System	Switch box(1.2 G HPF+LNA)	HCT CO., LTD.	F1L1	11/11/2025	Annual
RF Switching System	Switch box(3.3 G HPF+LNA)	HCT CO., LTD.	F1L2	11/11/2025	Annual
RF Switching System	Switch box(LNA)	HCT CO., LTD.	F1L4	11/11/2025	Annual
RF Switching System	Switch box(6 G HPF+LNA)	HCT CO., LTD.	F1L7	11/11/2025	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/07/2025	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/19/2026	Annual
Power Splitter(DC ~ 26.5 GHz)	11667B	Hewlett Packard	5001	04/10/2026	Annual
DC Power Supply	E3632A	Agilent	MY40010147	08/06/2025	Annual
Dipole Antenna	UHAP	Schwarzbeck	01274	03/10/2026	Biennial
Dipole Antenna	UHAP	Schwarzbeck	01288	08/07/2026	Biennial
Chamber	SU-642	ESPEC	93008124	02/11/2026	Annual
Horn Antenna(1 ~ 18 GHz)	BBHA 9120D	Schwarzbeck	147	08/17/2025	Biennial
Horn Antenna(1 ~ 18 GHz)	BBHA 9120D	Schwarzbeck	9120D-1298	09/11/2025	Biennial
Horn Antenna(15 ~ 40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170342	09/20/2026	Biennial
Horn Antenna(15 ~ 40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170124	03/23/2027	Biennial
Signal Analyzer(10 Hz ~ 26.5 GHz)	N9020A	Agilent	MY52090906	04/14/2026	Annual
ATTENUATOR(20 dB)	8493C	Hewlett Packard	17280	04/10/2026	Annual
Spectrum Analyzer(10 Hz ~ 40 GHz)	FSV40	REOHDE & SCHWARZ	100931	08/06/2025	Annual
Base Station	8960 (E5515C)	Agilent	MY48360800	08/05/2025	Annual
Loop Antenna(9 kHz ~ 30 MHz)	FMZB1513	Schwarzbeck	1513-333	03/07/2026	Biennial
Trilog Broadband Antenna	VULB9168	Schwarzbeck	895	08/28/2026	Biennial
Trilog Broadband Antenna	VULB9168	Schwarzbeck	1135	08/19/2026	Biennial
Wideband Radio Communication Tester	MT8821C	Anritsu Corp.	6262094331	11/13/2025	Annual
Radio Communication Test Station	MT8000A	Anritsu Corp.	6272613402	08/28/2025	Annual
SIGNAL GENERATOR (100 kHz ~ 40 GHz)	SMB100A	REOHDE & SCHWARZ	177633	07/26/2025	Annual
Signal Analyzer(5 Hz ~ 40.0 GHz)	N9030B	KEYSIGHT	MY55480167	05/17/2025	Annual
Signal & Spectrum Analyzer (2 Hz~67 GHz)	FSW67	REOHDE & SCHWARZ	101736	05/23/2025	Annual
FCC LTE Mobile Conducted RF Automation Test Software	-	HCT CO., LTD.	-	-	-

Equipment	Model	Manufacture	Serial No.	Due to Calibration	Calibration Interval
Precision Dipole Antenna	UHAP	Schwarzbeck	01273	03/10/2026	Biennial
Precision Dipole Antenna	UHAP	Schwarzbeck	01274	03/10/2026	Biennial
Horn Antenna(1~18 GHz)	BBHA 9120D	Schwarzbeck	02289	02/14/2026	Biennial
Horn Antenna(1~18 GHz)	BBHA 9120D	Schwarzbeck	9120D-1299	04/17/2027	Biennial
Horn Antenna(15~40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170342	09/20/2026	Biennial
Horn Antenna(15~40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170124	03/23/2027	Biennial
Loop Antenna(9 kHz~30 MHz)	FMZB1513	Rohde & Schwarz	1513-175	01/06/2027	Biennial
Bilog Antenna	VULB9160	Schwarzbeck	3150	03/05/2027	Biennial
Hybrid Antenna	VULB9160	Schwarzbeck	760	02/17/2027	Biennial
RF Switching System	FBSR-06B (1G HPF + LNA)	T&M SYSTEM	F3L1	05/08/2026	Annual
RF Switching System	FBSR-06B (3G HPF + LNA)	T&M SYSTEM	F3L2	05/08/2026	Annual
RF Switching System	FBSR-06B (6G HPF + LNA)	T&M SYSTEM	F3L3	05/08/2026	Annual
RF Switching System	FBSR-06B (LNA)	T&M SYSTEM	F3L4	05/08/2026	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/07/2025	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/19/2026	Annual
DC Power Supply	E3632A	Hewlett Packard	MY40004427	08/22/2025	Annual
Power Splitter(DC~26.5 GHz)	11667B	Hewlett Packard	11275	02/04/2026	Annual
Chamber	SU-642	ESPEC	93008124	02/11/2026	Annual
Signal Analyzer(10 Hz~26.5 GHz)	N9020A	Agilent	MY51110063	03/21/2026	Annual
ATTENUATOR(20 dB)	8493C	Hewlett Packard	17280	04/10/2026	Annual
Spectrum Analyzer (10 Hz~40 GHz)	FSV40	REOHDE & SCHWARZ	101436	02/04/2026	Annual
Signal & Spectrum Analyzer (2 Hz~67 GHz)	FSW67	REOHDE & SCHWARZ	101736	05/23/2025	Annual
Base Station	8960 (E5515C)	Agilent	MY48360800	08/05/2025	Annual
Wideband Radio Communication Tester	MT8821C	Anritsu Corp.	6262094331	11/13/2025	Annual
Wideband Radio Communication Tester	MT8000A	Anritsu Corp.	6262302511	05/08/2026	Annual
UXM 5G Wireless Test Platform	E7515B	KEYSIGHT	MY60101126	02/10/2026	Annual
Signal Analyzer(5 Hz~40.0 GHz)	N9030B	KEYSIGHT	MY55480167	05/14/2026	Annual
4-Way Divider	ZC4PD-K1844+	Mini-Circuits	942907	09/10/2025	Annual
SIGNAL GENERATOR (100 kHz ~ 40 GHz)	SMB100A	REOHDE & SCHWARZ	177633	07/26/2025	Annual
FCC LTE Mobile Conducted RF Automation Test Software	-	HCT CO., LTD.,	-	-	-

Note:

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

4.2 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

4.2.1 BT, BLE, UNII

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	Annual
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	06/04/2025	Annual
Band Reject Filter	WRCJV12-4900-5100-5900- 6100-50SS	Wainwright Instruments	6	06/04/2025	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

4.2.2 DTS ax, be, DTS

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	07/30/2025	Annual
Controller	EM2090	Emco	060520	N/A	N/A
Turn Table	N/A	Ets	N/A	N/A	N/A
Amp & Filter Bank Switch Controller	FBSM-01A	TNM system	0	N/A	N/A
Loop Antenna	FMZB 1513	Rohde & Schwarz	1513-333	03/07/2026	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	9168-0895	08/28/2026	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	9120D-1191	11/07/2025	Biennial
Horn Antenna(15 GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170124	03/23/2027	Biennial
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	06/04/2025	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	6	06/04/2025	Annual
Band Reject Filter	WRCJV5100/5850-40/50-8EEK	Wainwright Instruments	1	01/09/2026	Annual
RF Switching System	FBSR-03A (3G HPF+LNA)	T&M SYSTEM	S3L1	10/31/2025	Annual
RF Switching System	FBSR-03A (10dB ATT+LNA)	T&M SYSTEM	S3L2	10/31/2025	Annual
RF Switching System	FBSR-03A (7G HPF+LNA)	T&M SYSTEM	S3L3	10/31/2025	Annual
RF Switching System	FBSR-03A (3dB ATT+LNA)	T&M SYSTEM	S3L4	10/31/2025	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	100900	08/27/2025	Annual

4.2.3 UNII 6G

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	05/09/2025	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	06/04/2025	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	6	06/04/2025	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

4.2.4 UNIL ax, be

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	N/A	N/A	N/A
Controller	EM1000	Audix	060520	N/A	N/A
Turn Table	N/A	Audix	N/A	N/A	N/A
Loop Antenna	FMZB 1513	Rohde & Schwarz	1513-333	03/07/2026	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	760	02/17/2027	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	02299	01/29/2026	Biennial
Horn Antenna (15GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170342	09/20/2026	Biennial
Spectrum Analyzer	FSV40	Rohde & Schwarz	100901	02/21/2026	Annual
Signal Analyzer	N9030A	Agilent	MY52350879	03/25/2026	Annual
Attenuator(3 dB)	18B-03	Api tech.	1	04/21/2026	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	5	06/04/2025	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	6	06/04/2025	Annual
Band Reject Filter	WRCJV2400/2483.5-2370/2520-60/12SS	Wainwright Instruments	2	12/26/2025	Annual
Band Reject Filter	WRCJV5100/5850-40/50-8EEK	Wainwright Instruments	1	01/09/2026	Annual
RF Switching System	FMSR-04B (3G HPF+LNA)	T&M SYSTEM	S2L1	12/23/2025	Annual
RF Switching System	FMSR-04B (10dB ATT+LNA)	T&M SYSTEM	S2L2	12/23/2025	Annual
RF Switching System	FMSR-04B (3dB ATT+LNA)	T&M SYSTEM	S2L3	12/23/2025	Annual
RF Switching System	FMSR-04B (LNA)	T&M SYSTEM	S2L4	12/23/2025	Annual
RF Switching System	FMSR-04B (7G HPF+LNA)	T&M SYSTEM	S2L5	12/23/2025	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/07/2025	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/19/2026	Annual

4.2.5 NFC

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	Annual
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
Signal Analyzer	N9030B	Keysight	MY56320554	02/03/2026	Annual
Spectrum Analyzer	FSV40 (9 kHz ~ 40 GHz)	Rohde & Schwarz	101510	09/24/2025	Annual
Power Amplifier	310N	SONOMA INSTRUMENT	186169	02/05/2026	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/07/2025	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/19/2026	Annual

4.2.6 WPT

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	Annual
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