

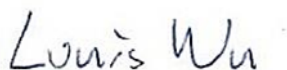


SPOT CHECK EVALUATION

FCC ID : A4RGEHN3
Equipment : Phone
Model Name : GEHN3, GN4F5
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, CA, 94043 USA
Standard : 47 CFR Part 2, 22(H), 24(E), 27, 90(R), 90(S), 96
FCC Part 15 Subpart C §15.225
FCC Part 15 Subpart C §15.247
FCC Part 15 Subpart E §15.407
FCC Part 15 Subpart F §15.519

We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.



Approved by: Louis Wu

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History of this test report

Version	Description	Issue Date
01	Initial issue of report	Apr. 10, 2025
02	Added LPI and VLP power and EIRP	Apr. 21, 2025
03	Added model name	Apr. 24, 2025
04	Added appendix for reference model reports	Apr. 28, 2025
05	Added n38 information	Apr. 29, 2025
06	Fixed 5GNR report name typo.	May. 08, 2025



1. Introduction Section

FCC ID: A4RG4QUR (Parent Device) and FCC ID: A4RGEHN3 (Variant Device) use the same identical internal printed circuit board layouts, while the variant model mmWave radio and antenna module are depopulated, details are available in the operational description. Based on their similarity, the FCC Part 15C (equipment class: DXX, DSS, DTS), Part 15E (equipment class: NII, 6CD, 6VL), Part 15F (equipment class: UWB), and FCC Part 22, 24, 25, 27, 90, 96 (equipment class: PCE, CBE, TNB) reuse the original model's result and do spot-check.

The spot check data in this report is used to justify the data reuse following FCC KDB 484596 D01 Referencing Test Data v02r03.

The applicant should take full responsibility that the test data as referenced in this report represent compliance for this FCC ID: A4RGEHN3

2. Model Difference Information

A4RG4QUR and A4RGEHN3 use the identical internal printed circuit board layout, and the difference in the components population:

- A4RGEHN3: 5G NR FR2 mmWave related components are depopulated.
- A4RGEHN3: 5G NR FR1 n79 related components are populated but SW is disabled in US.

The supported GSM/WCDMA/LTE bands are all identical between A4RG4QUR and A4RGEHN3.

The supported NR FR1 band comparison table is listed as following

NR Band	A4RG4QUR	A4RGEHN3
Same	n2, n5, n7, n12, n14, n25, n26, n30, n66, n71 n38, n41 PC1.5, n77 PC1.5, n78 PC1.5	n2, n5, n7, n12, n14, n25, n26, n30, n66, n71 n38, n41 PC1.5, n77 PC1.5, n78 PC1.5
Diff.	n48, n70	-

The detail of similarity and difference is illustrated in the operational description, and based on the information spot check on conducted power, ERP/EIRP and radiated spurious emission was performed to ensure compliance.

3. Spot Check Verification Data Section

Conducted power test and radiated spurious emission test configurations were selected from the worst cases identified in the parent model and tested to demonstrate the test data from original model remains representative for the variant model.

Based on the RF parameter is still identical so the EBW from original model remains representative for the variant model.

Summary for power and RSE spot check for each FCC rule part is listed as below:

Test Item	Mode	Item	A4RG4QUR Parent Worst Result	A4RGEHN3 Variant Check Result	Difference (dB)
Conducted Power ERP/EIRP (dBm)	WWAN GPRS 850 Class 8 CH251	Power	32.08	31.99	-0.09
	Antenna gain (dBi) -1.3	ERP	28.63	28.54	-0.09
	WWAN GPRS 1900 Class 8 CH661	Power	29.21	29.28	0.07
	Antenna gain (dBi) 0.3	EIRP	29.51	29.58	0.07
	WWAN WCDMA Band V RMC 12.2K CH4182	Power	24.58	24.56	-0.02
	Antenna gain (dBi) -1.3	ERP	21.13	21.11	-0.02
	WWAN WCDMA Band II RMC 12.2K CH9400	Power	24.16	24.19	0.03
	Antenna gain (dBi) 0.3	EIRP	24.46	24.49	0.03
	WWAN WCDMA Band IV RMC 12.2K CH1413	Power	24.11	23.99	-0.12
	Antenna gain (dBi) 0.8	EIRP	24.91	24.79	-0.12
	WWAN LTE Band 2 20MHz 1RB0 QPSK Mid	Power	24.12	23.82	-0.3
	Antenna gain (dBi) 0.3	EIRP	24.42	24.12	-0.3
	WWAN LTE Band 5 10MHz 1RB0 QPSK Mid	Power	24.54	24.26	-0.28
	Antenna gain (dBi) -1.3	ERP	21.09	20.81	-0.28
	WWAN LTE Band 7 20MHz 1RB0 QPSK Mid	Power	24.35	24.17	-0.18
	Antenna gain (dBi) 1.6	EIRP	25.95	25.77	-0.18
	WWAN LTE Band 12 10MHz 1RB0 QPSK Mid	Power	24.69	24.65	-0.04
	Antenna gain (dBi) -2.1	ERP	20.44	20.4	-0.04
	WWAN LTE Band 13 10MHz 1RB0 QPSK Mid	Power	24.59	24.3	-0.29
	Antenna gain (dBi) -1.2	ERP	21.24	20.95	-0.29
	WWAN LTE Band 14 10MHz 1RB0 QPSK Mid	Power	24.48	24.36	-0.12
	Antenna gain (dBi) -1.2	ERP	21.13	21.01	-0.12



Test Item	Mode	Item	A4RG4QUR Parent Worst Result	A4RGEHN3 Variant Check Result	Difference (dB)
Conducted Power ERP/EIRP (dBm)	WWAN LTE Band 26 (90S) 5MHz 1RB24 QPSK High	Power	24.40	24.31	0.09
	WWAN LTE Band 30 5MHz 1RB24 16-QAM Mid	Power	21.69	21.65	-0.04
	Antenna gain (dBi) 1.5	EIRP	23.19	23.15	-0.04
	WWAN LTE Band 41 HPUE 20MHz 1RB0 QPSK Mid	Power	25.96	25.73	-0.23
	Antenna gain (dBi) 2.1	EIRP	28.06	27.83	-0.23
	WWAN LTE Band 48 20MHz 1RB0 16-QAM High	Power	20.03	19.97	-0.06
	Antenna gain (dBi) 2.1	EIRP	22.13	22.07	-0.06
	WWAN LTE Band 66 20MHz 1RB0 QPSK Mid	Power	24.15	24.09	-0.06
	Antenna gain (dBi) 0.8	EIRP	24.95	24.89	-0.06
	WWAN LTE Band 71 20MHz 1RB0 QPSK Mid	Power	24.74	24.78	0.04
	Antenna gain (dBi) -2.3	ERP	20.29	20.33	0.04
	NTN Band 23 1SC11 BPSK Low	Power	22.46	22.55	0.09
	Antenna gain (dBi) -4.2	EIRP	18.26	18.35	0.09
	NTN Band 255 1SC11 QPSK Mid	Power	23.12	22.88	-0.24
	Antenna gain (dBi) -2.2	EIRP	20.92	20.68	-0.24



Test Item	Mode	Item	A4RG4QUR Parent Worst Result	A4RGEHN3 Variant Check Result	Difference (dB)
Conducted Power ERP/EIRP (dBm)	WWAN NR n5 5MHz 1RB1 QPSK Low	Power	24.37	24.12	-0.25
	Antenna gain (dBi) -1.3	ERP	20.92	20.67	-0.25
	WWAN NR n7 40MHz 1RB214 QPSK High	Power	24.41	24.23	-0.18
	Antenna gain (dBi) 2.6	EIRP	27.01	26.83	-0.18
	WWAN NR n12 15MHz 1RB77 QPSK Low	Power	24.72	24.44	-0.28
	Antenna gain (dBi) -2.1	ERP	20.47	20.19	-0.28
	WWAN NR n14 5MHz 1RB1 QPSK High	Power	24.25	24.07	-0.18
	Antenna gain (dBi) -1.2	ERP	20.90	20.72	-0.18
	WWAN NR n25 10MHz 1RB1 QPSK Low	Power	24.20	24.26	0.06
	Antenna gain (dBi) 2.9	ERP	27.10	27.16	0.06
	WWAN NR n26 5MHz 1RB1 QPSK Low	Power	24.39	24.3	-0.09
	Antenna gain (dBi) -1.3	ERP	20.94	20.85	-0.09
	WWAN NR n30 5MHz 1RB1 16-QAM High	Power	20.29	20.36	0.07
	Antenna gain (dBi) 2.6	EIRP	22.89	22.96	0.07
	WWAN NR n41 HPUE 100MHz 1RB271 QPSK High	Power	26.34	26.27	-0.07
	Antenna gain (dBi) 3.1	EIRP	29.44	29.37	-0.07
	WWAN NR n66 40MHz 1RB214 QPSK Mid	Power	24.35	24.11	-0.24
	Antenna gain (dBi) 2.4	EIRP	26.75	26.51	-0.24
	WWAN NR n71 5MHz 1RB1 QPSK Mid	Power	24.70	24.47	-0.23
	Antenna gain (dBi) -2.3	ERP	20.25	20.02	-0.23
	WWAN NR n77 HPUE 10MHz 1RB22 QPSK Low	Power	26.20	26.27	0.07
	Antenna gain (dBi) 1	EIRP	27.20	27.27	0.07



Test Item	Mode	ANT	A4RG4QUR Parent Worst Result	A4RGEHN3 Variant Check Result	Difference (dB)
Conducted Power (dBm)	BT (BR 1Mbps CH39)	3+4	23.29	23.15	-0.14
	BT EDR (EDR 3Mbps CH39)	3+4	23.86	23.79	-0.07
	BLE (BLE 2Mbps CH38)	3+4	22.49	22.57	0.08
	BLE CS GFSK_DTS (2Mbps CH38)	4	18.99	18.88	-0.11
	BLE CS ASK_FHSS (1Mbps CH76)	4	19.97	20.04	0.07
	Thread (250kbps CH18)	3	20.65	20.56	-0.09
	WiFi 2.4GHz (11b CH06)	3+4	25.24	25.1	-0.14
	WiFi 5GHz (EHT20 CH149 Full RU)	3+4	23.60	23.59	-0.01
	WiFi 6GHz SP client (EHT20 CH149 Full RU)	3+4	23.91	23.65	-0.26
	WiFi 6GHz LPI client (EHT80 CH167 Full RU)	3+4	22.88	22.78	-0.10
	WiFi 6GHz VLP (EHT160 CH143 Full RU)	3+4	22.55	22.50	-0.05
EIRP (dBm)	WiFi 6GHz SP client (EHT20 CH149 Full RU) Antenna gain (dBi) -8.97	3+4	14.94	14.68	-0.26
	WiFi 6GHz LPI client (EHT80 CH167 Full RU) Antenna gain (dBi) -8.97	3+4	13.91	13.81	-0.10
	WiFi 6GHz VLP (EHT160 CH143 Full RU) Antenna gain (dBi) -8.97	3+4	13.58	13.53	-0.05



Test Item	Mode	ANT	A4RG4QUR Parent Worst Result	A4RGEHN3 Variant Check Result	Difference (dB)
Field Strength (dBuV/m)	NFC 13.56MHz	-	23.16	20.52	-2.64
	UWB CH5 HPRF Case 6	Ranging	53.89	52.54	-1.35
	UWB CH9 HPRF Case 7	AoA	53.86	53.35	-0.51
Peak Power (dBm/50MHz)	UWB CH5 BPRF Case 1	Ranging	-0.06	-1.00	-0.94
	UWB CH9 BPRF Case 1	AoA	-0.29	-0.46	-0.17
Radiated Spurious Emission (dBuV/m)	NFC 13.56MHz	-	33.68	33.11	-0.57
	UWB CH5 HPRF Case 6	Ranging	53.90	53.32	-0.58
	UWB CH9 BPRF Case 2	AoA	53.90	51.11	-2.79
Radiated Spurious Emission (dBm)	WWAN GSM 850 CH251	0	-34.20	-33.45	0.75
	WWAN GSM 1900 CH512	2	-36.84	-38.67	-1.83
	WWAN WCDMA Band V CH4233	0	-53.58	-54.45	-0.87
	WWAN WCDMA Band II CH9262	2	-55.34	-57.37	-2.03
	WWAN WCDMA Band IV CH1312	2	-48.31	-51.14	-2.83
	WWAN LTE Band 25 10MHz 1RB0 QPSK Low	2	-40.23	-42.99	-2.76
	WWAN LTE Band 26 10MHz 1RB0 QPSK Mid	0	-43.15	-45.89	-2.74
	WWAN LTE Band 7 10MHz 1RB0 QPSK Low	2	-42.82	-43.34	-0.52
	WWAN LTE Band 12 10MHz 1RB0 QPSK Mid	0	-58.51	-58.14	0.37
	WWAN LTE Band 13 5MHz 1RB0 QPSK High	0	-58.30	-57.31	0.99
	WWAN LTE Band 14 5MHz 1RB0 QPSK Mid	0	-54.72	-57.19	-2.47
	WWAN LTE Band 26 (90S) 5MHz 1RB0 QPSK Mid	0	-50.98	-50.54	0.44
	WWAN LTE Band 30 10MHz 1RB0 QPSK Mid	0	-54.69	-55.73	-1.04
	WWAN LTE Band 41 HPUE 10MHz 1RB0 QPSK Mid	0	-37.03	-36.85	0.18
	WWAN LTE Band 48 20MHz 1RB0 QPSK Low	7	-43.42	-45.06	-1.64
	WWAN LTE Band 66 10MHz 1RB0 QPSK High	2	-38.56	-38.78	-0.22
	WWAN LTE Band 71 10MHz 1RB0 QPSK Mid	0	-51.33	-51.50	-0.17
	NTN Band 23 1SC0 QPSK Mid	1	-60.08	-62.49	-2.41
	NTN Band 255 1SC0 QPSK Mid	4	-49.34	-49.90	-0.56



Test Item	Mode	ANT	A4RG4QUR Parent Worst Result	A4RGEHN3 Variant Check Result	Difference (dB)
Radiated Spurious Emission (dBm)	WWAN NR n25 20MHz 1RB1 BPSK Mid	2	-51.86	-51.56	0.30
	WWAN NR n26 20MHz 1RB1 BPSK Mid	1	-64.20	-66.96	-2.76
	WWAN NR n7 20MHz 1RB1 BPSK High	0	-32.35	-31.46	0.89
	WWAN NR n48 20MHz 1RB1 BPSK Mid	7	-43.28	-43.34	-0.06
	WWAN NR n66 20MHz 1RB1 BPSK Low	2	-37.75	-38.83	-1.08
	WWAN NR n71 20MHz 1RB1 BPSK High	1	-46.41	-47.31	-0.90
	WWAN NR n77 HPUE (270) 20MHz 1RB1 BPSK Mid	6	-36.03	-37.45	-1.42
		7	-54.40	-53.58	0.82

Test Item	Mode	ANT	A4RG4QUR Parent Worst Result	A4RGEHN3 Variant Check Result	Difference (dB)
Radiated Spurious Emission (dBuV/m)	BT (BR 1Mbps CH78)	3+4	58.10	56.97	-1.13
	BT EDR (EDR 3Mbps CH78)	3+4	46.61	45.45	-1.16
	BLE (BLE 1Mbps CH39)	3+4	48.35	48.82	0.47
	BLE CS GFSK_DTS (1Mbps CH76)	3	48.57	48.54	-0.03
	BLE CS ASK_FHSS (2Mbps CH76)	3	67.87	67.03	-0.84
	Thread (250kbps CH26)	3	50.81	49.15	-1.66
	WiFi 2.4GHz (11g CH01)	3+4	52.29	50.58	-1.71
	WiFi 5GHz (EHT40 CH110 Full RU)	3+4	52.49	50.31	-2.18
	WiFi 6GHz (EHT80 CH215 Full RU)	3+4	66.53	64.16	-2.37

Note: BLE CS means BLE Channel Sounding

Conclusion:

Radiated spurious emission test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

The spot check emission level is not degraded more than 3dB, and the margin to the limit is greater than 1.5dB, data referencing is justified according to the guidance in the KDB inquiry



4. Reference detail Section

Rule Part	Equipment Class	Wireless Technology	Rule Part & Frequency Band	Reference FCC ID (Parent)	Type Grant/ Permissive Change	Reference Exhibit	Full report referenced	FCC ID Filling (Variant)
15C	DXX	NFC	\$15.255 13.56MHz	A4RG4QUR	Original Grant	G4QUR_FCC Part 15C NFC	Y	A4RGEHN3
15C	DSS	BT BR	\$15.247 2.4GHz	A4RG4QUR	Original Grant	G4QUR_FCC Part 15C BT	Y	A4RGEHN3
	DTS	BT EDR BLE	\$15.247 2.4GHz	A4RG4QUR	Original Grant	G4QUR_FCC Part 15C BT_EDR G4QUR_FCC Part 15C BLE	Y	A4RGEHN3
	DSS	BLE CS ASK	\$15.247 2.4GHz	A4RG4QUR	Original Grant	G4QUR_FCC Part 15C BLE CS ASK	Y	A4RGEHN3
	DTS	BLE CS GFSK	\$15.247 2.4GHz	A4RG4QUR	Original Grant	G4QUR_FCC Part 15C BLE CS GFSK	Y	A4RGEHN3
	DTS	Thread	\$15.247 2.4GHz	A4RG4QUR	Original Grant	G4QUR_FCC Part 15C Thread	Y	A4RGEHN3
	DTS	WiFi	\$15.247 2.4GHz	A4RG4QUR	Original Grant	G4QUR_FCC Part 15C WLAN2.4G	Y	A4RGEHN3
15E	NII	WiFi	\$15.407 5GHz	A4RG4QUR	Original Grant	G4QUR_FCC Part 15E WLAN UNII-1-3 G4QUR_FCC Part 15E General DFS G4QUR_FCC Part 15E P2P DFS G4QUR_FCC Part 15E UNII-4	Y	A4RGEHN3
	6CD	WiFi	\$15.407 6GHz	A4RG4QUR	Original Grant	G4QUR_FCC Part 15E WLAN B5-8 Indoor Client G4QUR_FCC Part 15E WLAN B5_B7 Standard Client G4QUR_FCC Part 15E Co-location	Y	A4RGEHN3
	6VL	WiFi	\$15.407 6GHz	A4RG4QUR	Original Grant	G4QUR_FCC Part 15E WLAN B5-8 Very Low Power	Y	A4RGEHN3
15F	UWB	UWB	\$15.519 CH5/CH9	A4RG4QUR	Original Grant	G4QUR_FCC Part 15F_UWB	Y	A4RGEHN3
22, 24, 25, 27, 90, 96	PCE CBE TNB	GSM	Part 22/24 850/1900	A4RG4QUR	Original Grant	G4QUR_FCC Part 22.24.27 GSM, WCDMA	Y	A4RGEHN3
		WCDMA	Part 22/24/27 Band II, IV, V	A4RG4QUR	Original Grant	G4QUR_FCC Part 22.24.27 GSM, WCDMA	Y	A4RGEHN3
		LTE	Part 22/24/27 Part 90/96 2/4/5/7/12/13 /14/17/25/26 /30/38/41 /48/66/71	A4RG4QUR	Original Grant	G4QUR_FCC Part 22.24.27.90 LTE G4QUR_FCC Part 96 LTE G4QUR_FCC Part 96.47 LTE	Y	A4RGEHN3
		NTN	Part 25 B23/B255	A4RG4QUR	Original Grant	G4QUR_FCC Part 25 NTN G4QUR_FCC Part 25 SCS	Y	A4RGEHN3
		NR	Part 22/24/27 Part 96 n2/n5/n7/ n12/n14/n25/ n26/n30/n38 /n41/n66/n71/ n77/n78	A4RG4QUR	Original Grant	G4QUR_FCC Part 22.24.27 5G NR	Y*	A4RGEHN3

Note: BLE CS means BLE Channel Sounding

Note*: NR band n70 is not referenced.

5. List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9kHz~30MHz	Aug. 29, 2024	Apr. 01, 2025~ Apr. 07, 2025	Aug. 28, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9k~30M	Apr. 22, 2024	Apr. 01, 2025~ Apr. 07, 2025	Apr. 21, 2025	Radiation (03CH13-HY)
Notch Filter	Wainwright	WHKX6-7268- 9200-26500- 40CD	SN2	9GHz High Pass Filter	May 22, 2024	Apr. 01, 2025~ Apr. 07, 2025	May 21, 2025	Radiation (03CH13-HY)
Notch Filter	Wainwright	WHKX8-5872.5- 6750-18000- 40ST	SN5	6.75GHz High Pass Filter	Mar. 07, 2025	Apr. 01, 2025~ Apr. 07, 2025	Mar. 06, 2026	Radiation (03CH13-HY)
Notch Filter	Wainwright	WLK4-1000- 1530-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 11, 2024	Apr. 01, 2025~ Apr. 07, 2025	Sep. 10, 2025	Radiation (03CH13-HY)
Notch Filter	Wainwright	WHKX12-2700- 3000-18000- 60SS	SN3	3GHz High Pass Filter	Jul. 09, 2024	Apr. 01, 2025~ Apr. 07, 2025	Jul. 08, 2025	Radiation (03CH13-HY)
Notch Filter	Wainwright	WRCQV14-6025- 6425-7125-7525- 60SS	SN2	N/A	Jan. 03, 2025	Apr. 01, 2025~ Apr. 07, 2025	Jan. 02, 2026	Radiation (03CH13-HY)
Notch Filter	Wainwright	WRCQV14-5425- 5825-6525-6925- 60SS	SN1	N/A	Jan. 03, 2025	Apr. 01, 2025~ Apr. 07, 2025	Jan. 02, 2026	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 12, 2024	Apr. 01, 2025~ Apr. 07, 2025	Dec. 11, 2025	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N- 06	40103 & 07	30MHz~1GHz	Apr. 12, 2024	Apr. 01, 2025~ Apr. 07, 2025	Apr. 11, 2025	Radiation (03CH13-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	Sep. 09, 2024	Apr. 01, 2025~ Apr. 07, 2025	Sep. 08, 2025	Radiation (03CH13-HY)
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	9120D-1326	1GHz~18GHz	Aug. 15, 2024	Apr. 01, 2025~ Apr. 07, 2025	Aug. 14, 2025	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303A	TP215159	N/A	Sep. 10, 2024	Apr. 01, 2025~ Apr. 07, 2025	Sep. 09, 2025	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D- 00101800-30- 10P	1590074	1GHz~18GHz	May 15, 2024	Apr. 01, 2025~ Apr. 07, 2025	May 14, 2025	Radiation (03CH13-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz-18GHz	Jan. 08, 2025	Apr. 01, 2025~ Apr. 07, 2025	Jan. 07, 2026	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Jan. 11, 2025	Apr. 01, 2025~ Apr. 07, 2025	Jan. 10, 2026	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 06, 2025	Apr. 01, 2025~ Apr. 07, 2025	Feb. 05, 2026	Radiation (03CH13-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804616/2	30MHz~40GHz	Jul. 18, 2024	Apr. 01, 2025~ Apr. 07, 2025	Jul. 17, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804616/2	30MHz~40GHz	Feb. 06, 2025	Apr. 01, 2025~ Apr. 07, 2025	Feb. 05, 2026	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 06, 2025	Apr. 01, 2025~ Apr. 07, 2025	Feb. 05, 2026	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Apr. 01, 2025~ Apr. 07, 2025	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Apr. 01, 2025~ Apr. 07, 2025	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Apr. 01, 2025~ Apr. 07, 2025	N/A	Radiation (03CH13-HY)
Software	Audix	N/A	RK-001124	N/A	N/A	Apr. 01, 2025~ Apr. 07, 2025	N/A	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 27, 2024	Apr. 01, 2025~ Apr. 07, 2025	May 26, 2025	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZB ECK	BBHA 9170	1224	18GHz~40GHz	Jun. 24, 2024	Apr. 01, 2025~ Apr. 07, 2025	Jun. 23, 2025	Radiation (03CH13-HY)
Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 01, 2024	Apr. 01, 2025~ Apr. 07, 2025	Oct. 31, 2025	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13I00030SNO 31 (NO:182)	9kHz~6GHz	Jan. 09, 2025	Apr. 01, 2025~ Apr. 07, 2025	Jan. 08, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101467	10Hz~44GHz	Jan. 14, 2025	Apr. 01, 2025~ Apr. 07, 2025	Jan. 13, 2026	Conducted (TH05-HY)
Switch Control Mainframe	Burgeon	ETF-058	EC1300484 (BOX3)	N/A	May 20, 2024	Apr. 01, 2025~ Apr. 07, 2025	May 19, 2025	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101329	9kHz~30GHz	Sep. 25, 2024	Apr. 01, 2025~ Apr. 07, 2025	Sep. 24, 2025	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES906037	0V~64V ; 0A~6A	Nov. 27, 2024	Apr. 01, 2025~ Apr. 07, 2025	Nov. 26, 2025	Conducted (TH03-HY)
Base Station (Measure)	Rohde & Schwarz	CMU200	117995	GSM / GPRS / WCDMA / CDMA	Aug. 08, 2024	Apr. 01, 2025~ Apr. 07, 2025	Aug. 07, 2025	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC	Oct. 01, 2024	Apr. 01, 2025~ Apr. 07, 2025	Sep. 30, 2025	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262012917	FR1	May 23, 2024	Apr. 01, 2025~ Apr. 07, 2025	May 22, 2025	Conducted (TH03-HY)

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Appendix B. Reference model reports