Appendix B

Test Information:

Serial No.:	2YHK-5	**Test Date:**	2025/03/15~2025/03/28
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Karl Liang	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	20.7~26.5	**Relative Humidity: (%)**	33~53	**ATM Pressure: (kPa)**	100.0~102.0

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM502	2024/06/07	2025/06/06
All-sun	Multimeter	EM305A	8348897	2024/08/16	2025/08/15
R&S	Spectrum Analyzer	FSV40	101947	2024/09/05	2025/09/04
R&S	Wideband Radio Communication Tester	CMW500	144976	2024/09/05	2025/09/04
Micro-Coax	Coaxial Cable	UFA210B	99G1448	2024/09/05	2025/09/04
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30173	2024/09/06	2025/09/05
Minl-Clrcuits	Coaxial Power Splitters & Combiner	ZFRSC-183-S+	SF448201614	2025/02/25	2026/02/24
TDK-Lambda	DC Power Supply	Z+60-14	F-08-EM038-1	N/A	N/A

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Frequency stability vs. temperature &Frequency stability vs. voltage Compliance

FCC Part 22H

WCDMA Band 5

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
R99_Middle_TN/VN	836.6	-10.2	-0.0122	±2.5	Pass
R99_Middle_T1/VN	836.6	-13.5	-0.0162	±2.5	Pass
R99_Middle_T2/VN	836.6	-12.7	-0.0152	±2.5	Pass
R99_Middle_T3/VN	836.6	-11.2	-0.0134	±2.5	Pass
R99_Middle_T4/VN	836.6	-10.5	-0.0126	±2.5	Pass
R99_Middle_T5/VN	836.6	-12.5	-0.0149	±2.5	Pass
R99_Middle_T6/VN	836.6	-12.3	-0.0147	±2.5	Pass
R99_Middle_T7/VN	836.6	-10.7	-0.0128	±2.5	Pass
R99_Middle_T8/VN	836.6	-12.9	-0.0154	±2.5	Pass
R99_Middle_TN/VH	836.6	-10.6	-0.0126	±2.5	Pass
R99_Middle_TN/VL	836.6	-10.7	-0.0128	±2.5	Pass

Note:

Frequency Error (ppm)=Frequency Error (MHz)/Test Channel(MHz)*10^6

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: Normal Voltage; VL: Low Voltage; VH: High Voltage.

FCC Part 24E

WCDMA Band 2

Mode	Result (MHz)	Limit (MHz)	Verdict
R99_Low_TN/VN	1850.335	1850	Pass
R99_Low_T1/VN	1850.325	1850	Pass
R99_Low_T2/VN	1850.325	1850	Pass
R99_Low_T3/VN	1850.325	1850	Pass
R99_Low_T4/VN	1850.305	1850	Pass
R99_Low_T5/VN	1850.325	1850	Pass
R99_Low_T6/VN	1850.295	1850	Pass
R99_Low_T7/VN	1850.325	1850	Pass
R99_Low_T8/VN	1850.305	1850	Pass
R99_Low_TN/VH	1850.325	1850	Pass
R99_Low_TN/VL	1850.315	1850	Pass
R99_High_TN/VN	1909.695	1910	Pass
R99_High_T1/VN	1909.695	1910	Pass
R99_High_T2/VN	1909.685	1910	Pass
R99_High_T3/VN	1909.685	1910	Pass
R99_High_T4/VN	1909.695	1910	Pass
R99_High_T5/VN	1909.685	1910	Pass
R99_High_T6/VN	1909.685	1910	Pass
R99_High_T7/VN	1909.675	1910	Pass
R99_High_T8/VN	1909.685	1910	Pass
R99_High_TN/VH	1909.675	1910	Pass
R99_High_TN/VL	1909.695	1910	Pass

Note:

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: Normal Voltage; VL: Low Voltage; VH: High Voltage.

FCC Part 27

WCDMA Band 4

Mode	Result (MHz)	Limit (MHz)	Verdict
R99_Low_TN/VN	1710.315	1710	Pass
R99_Low_T1/VN	1710.325	1710	Pass
R99_Low_T2/VN	1710.305	1710	Pass
R99_Low_T3/VN	1710.305	1710	Pass
R99_Low_T4/VN	1710.315	1710	Pass
R99_Low_T5/VN	1710.305	1710	Pass
R99_Low_T6/VN	1710.305	1710	Pass
R99_Low_T7/VN	1710.325	1710	Pass
R99_Low_T8/VN	1710.315	1710	Pass
R99_Low_TN/VH	1710.305	1710	Pass
R99_Low_TN/VL	1710.305	1710	Pass
R99_High_TN/VN	1754.705	1755	Pass
R99_High_T1/VN	1754.685	1755	Pass
R99_High_T2/VN	1754.685	1755	Pass
R99_High_T3/VN	1754.705	1755	Pass
R99_High_T4/VN	1754.685	1755	Pass
R99_High_T5/VN	1754.695	1755	Pass
R99_High_T6/VN	1754.705	1755	Pass
R99_High_T7/VN	1754.685	1755	Pass
R99_High_T8/VN	1754.675	1755	Pass
R99_High_TN/VH	1754.685	1755	Pass
R99_High_TN/VL	1754.675	1755	Pass

Note:

TN: 20°C; T1: -30°C; T2: -20°C; T3: -10°C; T4: 0°C; T5: 10°C; T6: 30°C; T7: 40°C; T8: 50°C.

VN: Normal Voltage; VL: Low Voltage; VH: High Voltage.

Occupied Bandwidth

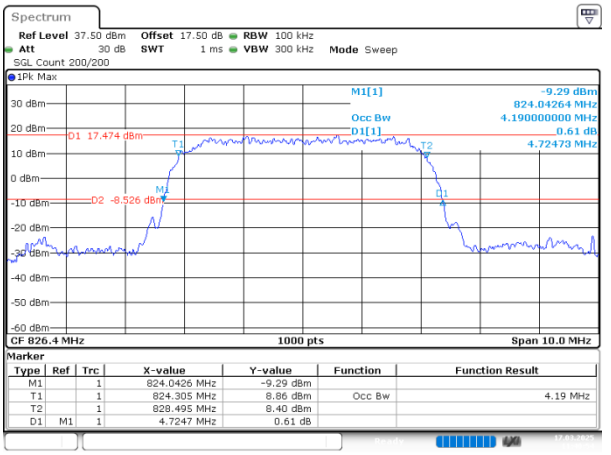
FCC Part 22H

WCDMA Band 5 , Normal

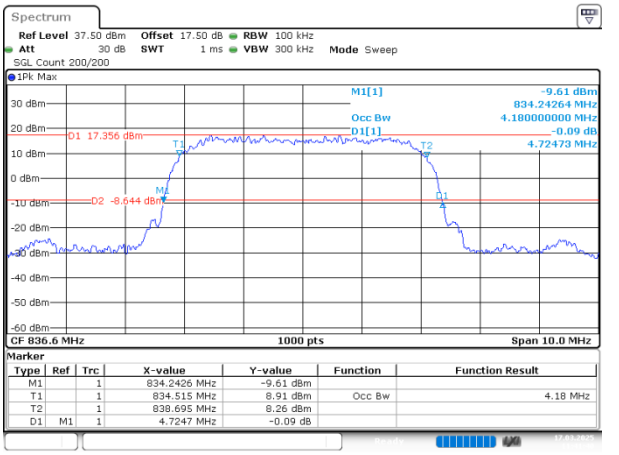
Mode	99% OBW (MHz)	26dB BW (MHz)
R99_Low	4.190	4.725
R99_Middle	4.180	4.725
R99_High	4.180	4.715
HSDPA_Low_Subtest1	4.200	4.715
HSDPA_Middle_Subtest1	4.190	4.725
HSDPA_High_Subtest1	4.180	4.715
HSUPA_Low_Subtest1	4.160	4.695
HSUPA_Middle_Subtest1	4.180	4.725
HSUPA_High_Subtest1	4.170	4.735

WCDMA Band 5 , Normal

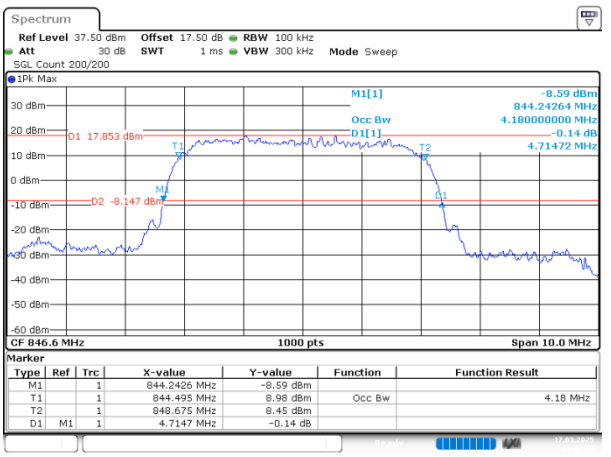
R99_Low



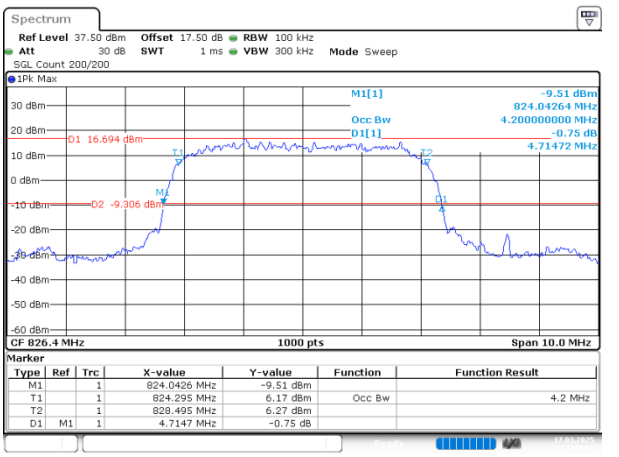
R99_Middle



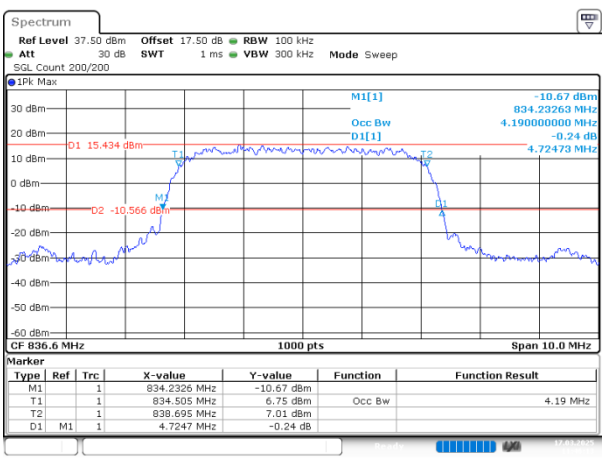
R99_High



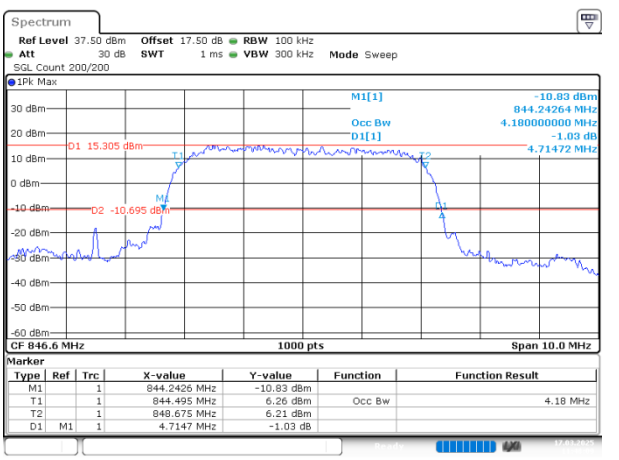
HSDPA_Low_Subtest1



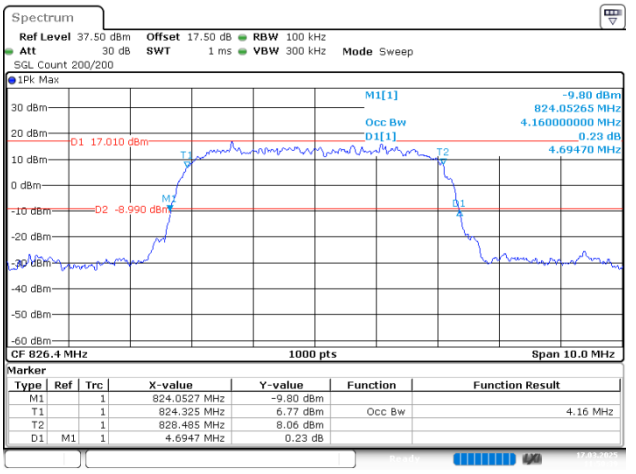
HSDPA_Middle_Subtest1



HSDPA_High_Subtest1

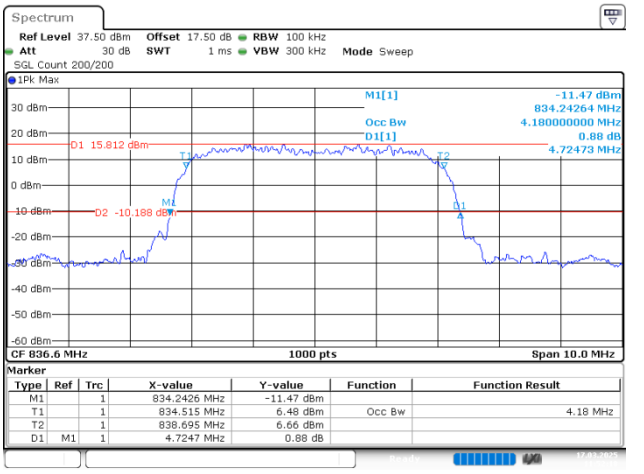


HSUPA_Low_Subtest1



ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 17.MAR.2025 11:50:39

HSUPA_Middle_Subtest1



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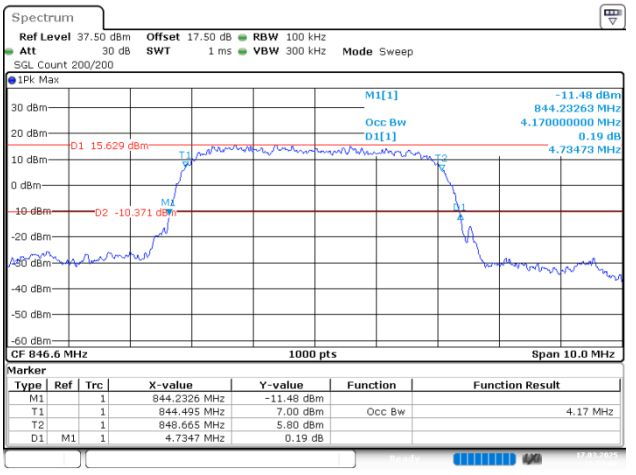


ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 17.MAR.2025 11:54:00

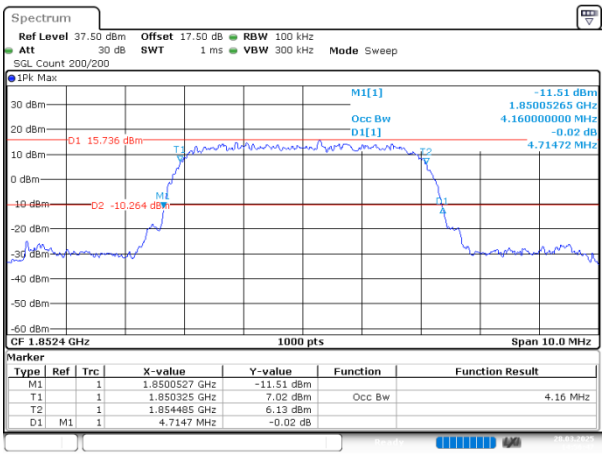
FCC Part 24E

WCDMA Band 2 , Normal

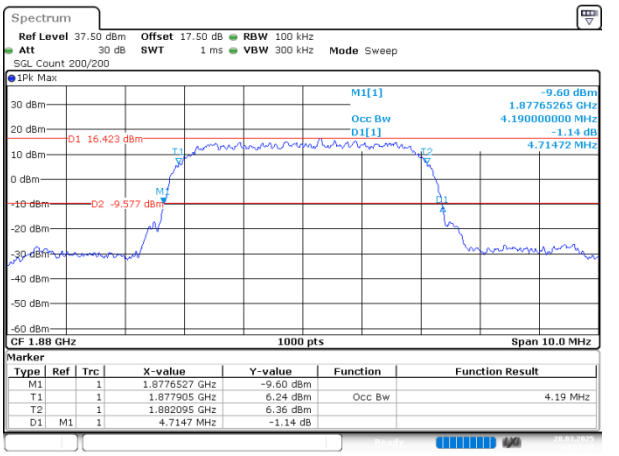
Mode	99% OBW (MHz)	26dB BW (MHz)
R99_Low	4.160	4.715
R99_Middle	4.190	4.715
R99_High	4.190	4.735
HSDPA_Low_Subtest1	4.200	4.715
HSDPA_Middle_Subtest1	4.190	4.735
HSDPA_High_Subtest1	4.180	4.715
HSUPA_Low_Subtest1	4.190	4.705
HSUPA_Middle_Subtest1	4.150	4.745
HSUPA_High_Subtest1	4.190	4.715

WCDMA Band 2 , Normal

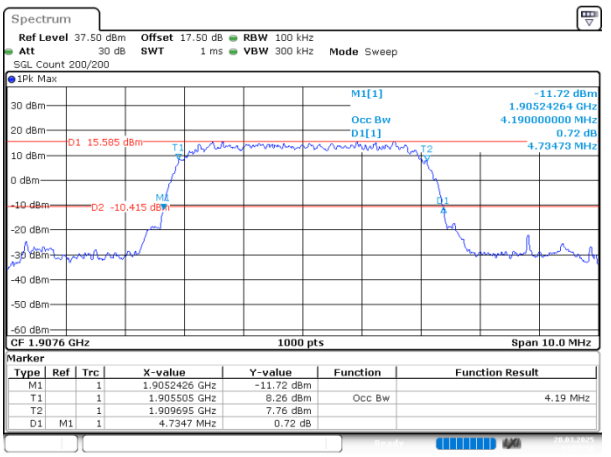
R99_Low



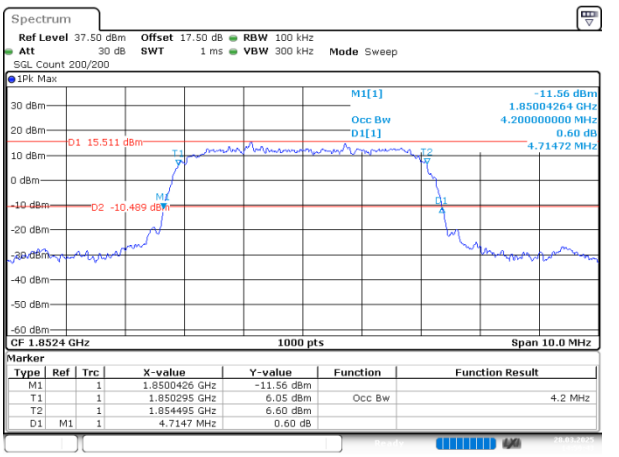
R99_Middle



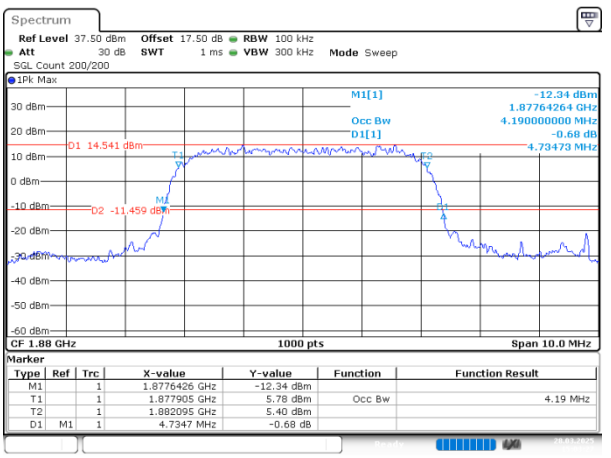
R99_High



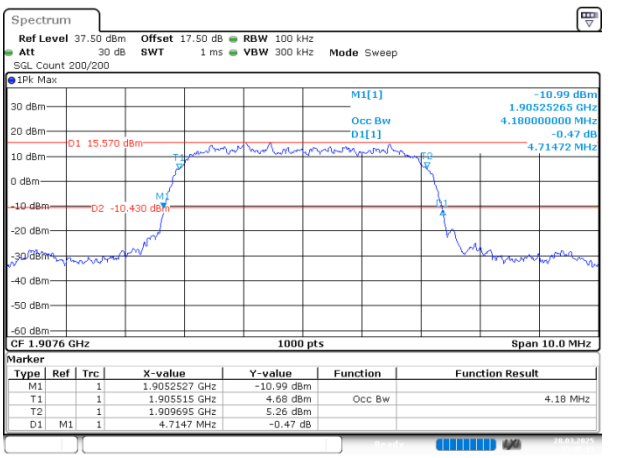
HSDPA_Low_Subtest1



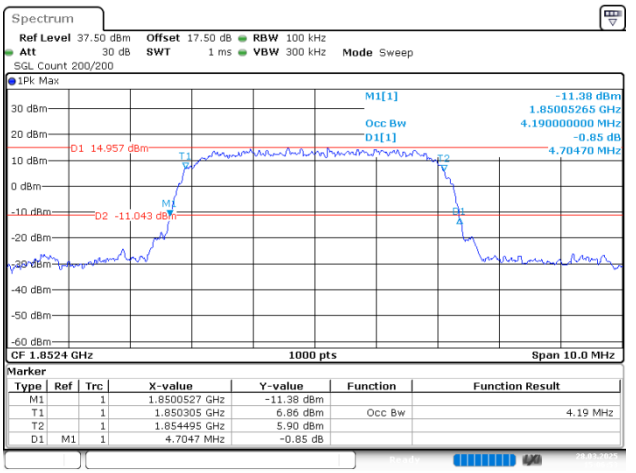
HSDPA_Middle_Subtest1



HSDPA_High_Subtest1



HSUPA_Low_Subtest1



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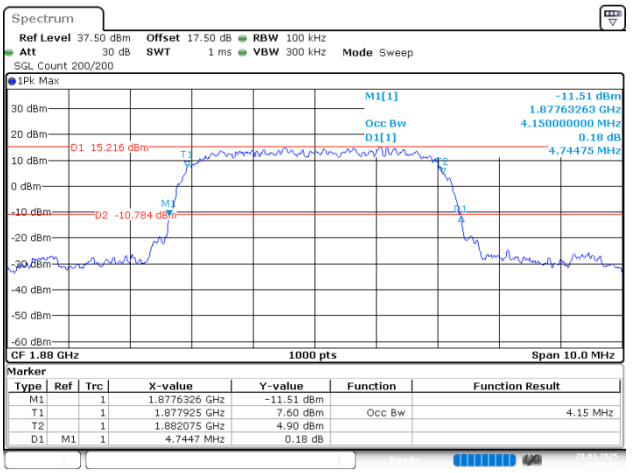
Date: 28.MAR.2025 15:06:53

HSUPA_Middle_Subtest1



ProjectNo.:2502Q44145E-RF Tester:Karl Liang
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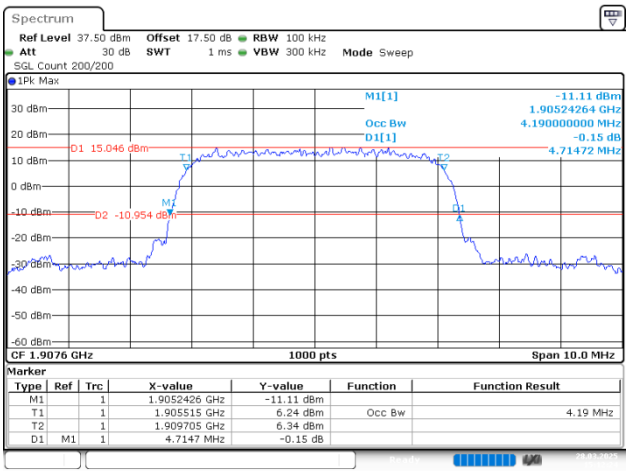
HSUPA_High_Subtest1



ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 28.MAR.2025 15:12:24

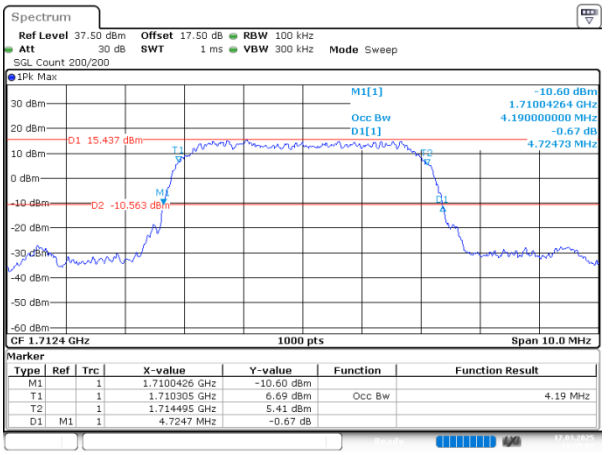
FCC Part 27

WCDMA Band 4 , Normal

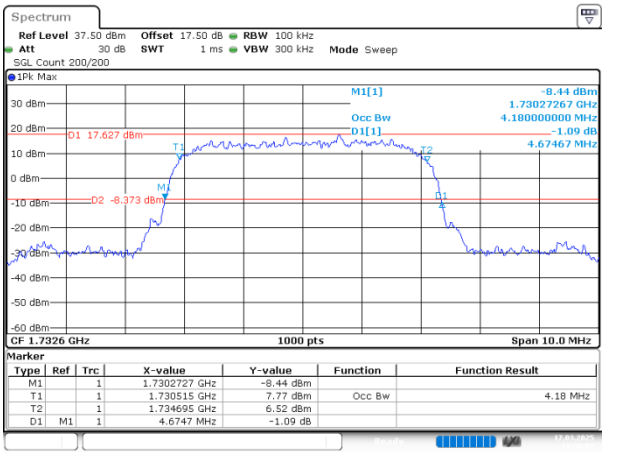
Mode	99% OBW (MHz)	26dB BW (MHz)
R99_Low	4.190	4.725
R99_Middle	4.180	4.675
R99_High	4.170	4.745
HSDPA_Low_Subtest1	4.200	4.735
HSDPA_Middle_Subtest1	4.150	4.705
HSDPA_High_Subtest1	4.210	4.745
HSUPA_Low_Subtest1	4.190	4.715
HSUPA_Middle_Subtest1	4.200	4.735
HSUPA_High_Subtest1	4.190	4.715

WCDMA Band 4 , Normal

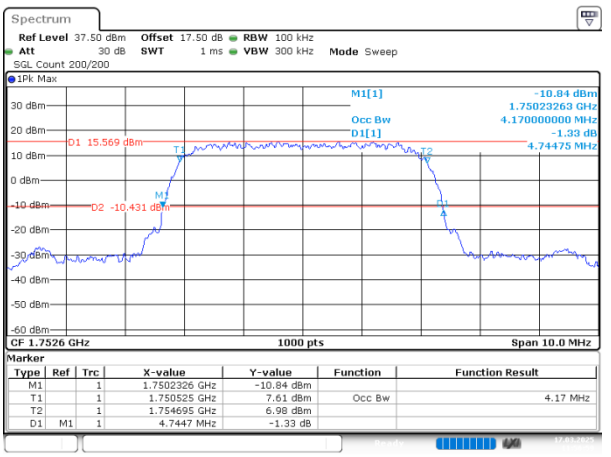
R99_Low



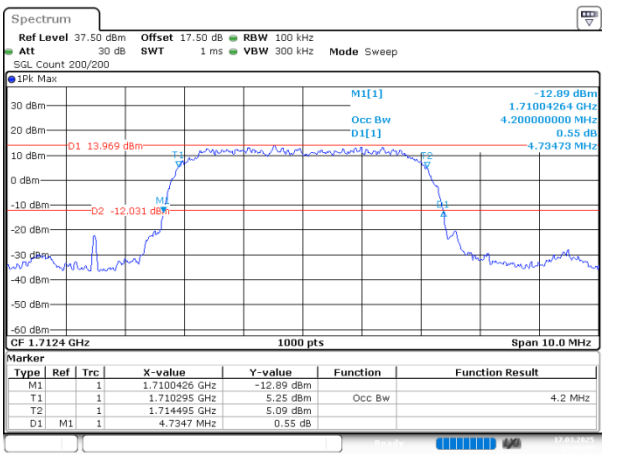
R99_Middle



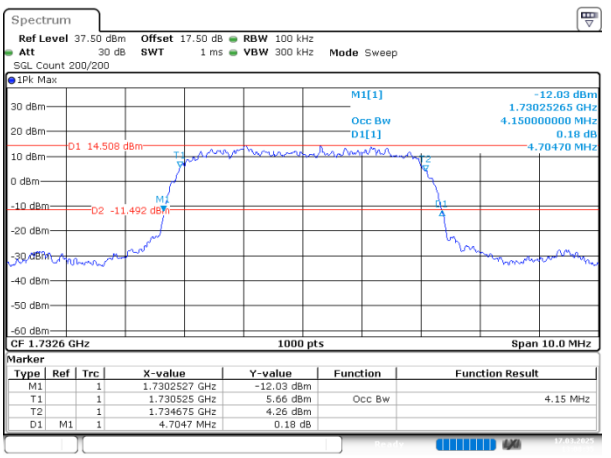
R99_High



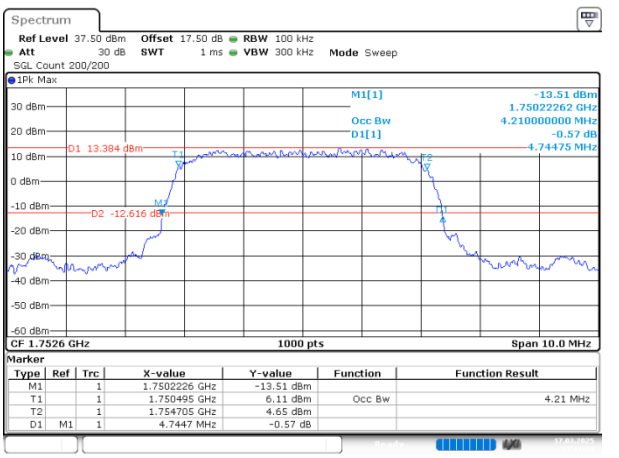
HSDPA_Low_Subtest1



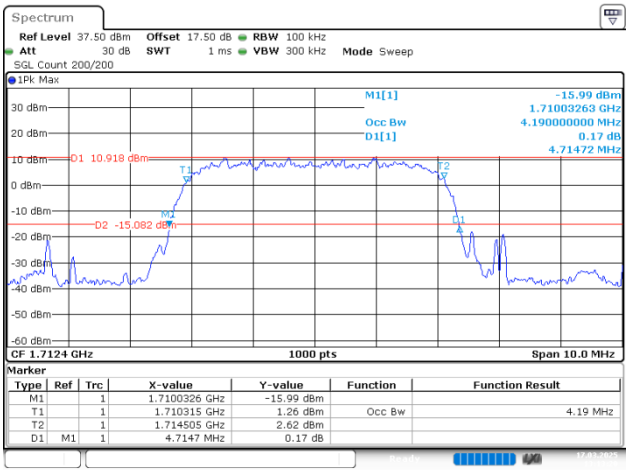
HSDPA_Middle_Subtest1



HSDPA_High_Subtest1

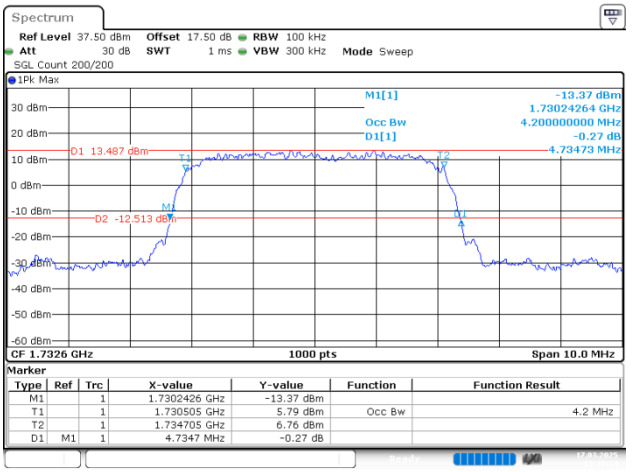


HSUPA_Low_Subtest1



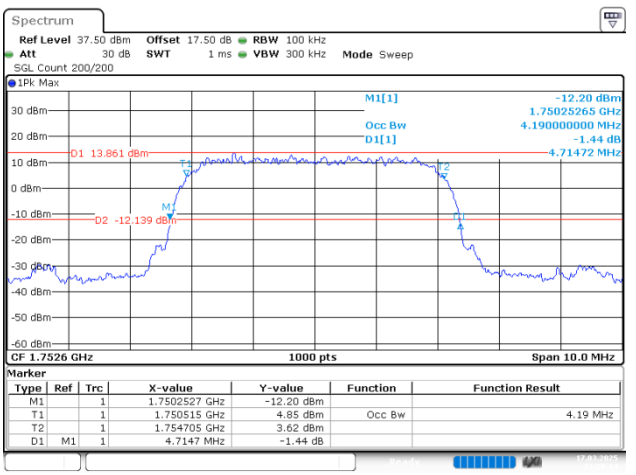
ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 17.MAR.2025 13:13:20

HSUPA_Middle_Subtest1



ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 17.MAR.2025 13:18:15

HSUPA_High_Subtest1



ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 17.MAR.2025 13:20:14

RF Output Power

FCC Part 22H

WCDMA Band 5 , Normal

Mode	Conducted Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
R99_Low	23.25	19.32	38.45	Pass
R99_Middle	23.25	19.32	38.45	Pass
R99_High	23.25	19.32	38.45	Pass
HSDPA_Low_Subtest1	21.24	17.31	38.45	Pass
HSDPA_Low_Subtest2	21.41	17.48	38.45	Pass
HSDPA_Low_Subtest3	21.34	17.41	38.45	Pass
HSDPA_Low_Subtest4	21.32	17.39	38.45	Pass
HSDPA_Middle_Subtest1	21.33	17.40	38.45	Pass
HSDPA_Middle_Subtest2	21.47	17.54	38.45	Pass
HSDPA_Middle_Subtest3	21.37	17.44	38.45	Pass
HSDPA_Middle_Subtest4	21.37	17.44	38.45	Pass
HSDPA_High_Subtest1	21.29	17.36	38.45	Pass
HSDPA_High_Subtest2	21.49	17.56	38.45	Pass
HSDPA_High_Subtest3	21.37	17.44	38.45	Pass
HSDPA_High_Subtest4	21.38	17.45	38.45	Pass
HSUPA_Low_Subtest1	21.76	17.83	38.45	Pass
HSUPA_Low_Subtest2	21.76	17.83	38.45	Pass
HSUPA_Low_Subtest3	21.76	17.83	38.45	Pass
HSUPA_Low_Subtest4	21.76	17.83	38.45	Pass
HSUPA_Low_Subtest5	21.77	17.84	38.45	Pass
HSUPA_Middle_Subtest1	21.77	17.84	38.45	Pass
HSUPA_Middle_Subtest2	21.78	17.85	38.45	Pass
HSUPA_Middle_Subtest3	21.79	17.86	38.45	Pass
HSUPA_Middle_Subtest4	21.78	17.85	38.45	Pass
HSUPA_Middle_Subtest5	21.77	17.84	38.45	Pass
HSUPA_High_Subtest1	21.77	17.84	38.45	Pass
HSUPA_High_Subtest2	21.77	17.84	38.45	Pass
HSUPA_High_Subtest3	21.77	17.84	38.45	Pass
HSUPA_High_Subtest4	21.78	17.85	38.45	Pass
HSUPA_High_Subtest5	21.77	17.84	38.45	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
HSPA+_Low_Subtest1	21.83	17.90	38.45	Pass
HSPA+_Middle_Subtest1	21.76	17.83	38.45	Pass
HSPA+_High_Subtest1	21.72	17.79	38.45	Pass

Note:

ERP = Conducted Power(dBm) + Antenna Gain(dBd) - Cable Loss(dB)

Antenna Gain(dBd) = Antenna Gain(dBi) - 2.15

1.Antenna Gain = -1.68dBi;

2.Cable Loss = 0.1dB.

FCC Part 24E

WCDMA Band 2 , Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
R99_Low	22.28	23.21	33	Pass
R99_Middle	22.14	23.07	33	Pass
R99_High	22.17	23.10	33	Pass
HSDPA_Low_Subtest1	20.47	21.40	33	Pass
HSDPA_Low_Subtest2	20.92	21.85	33	Pass
HSDPA_Low_Subtest3	20.86	21.79	33	Pass
HSDPA_Low_Subtest4	20.82	21.75	33	Pass
HSDPA_Middle_Subtest1	20.56	21.49	33	Pass
HSDPA_Middle_Subtest2	20.86	21.79	33	Pass
HSDPA_Middle_Subtest3	20.71	21.64	33	Pass
HSDPA_Middle_Subtest4	20.73	21.66	33	Pass
HSDPA_High_Subtest1	20.43	21.36	33	Pass
HSDPA_High_Subtest2	20.81	21.74	33	Pass
HSDPA_High_Subtest3	20.74	21.67	33	Pass
HSDPA_High_Subtest4	20.73	21.66	33	Pass
HSUPA_Low_Subtest1	21.27	22.20	33	Pass
HSUPA_Low_Subtest2	21.26	22.19	33	Pass
HSUPA_Low_Subtest3	21.26	22.19	33	Pass
HSUPA_Low_Subtest4	21.25	22.18	33	Pass
HSUPA_Low_Subtest5	21.26	22.19	33	Pass
HSUPA_Middle_Subtest1	21.14	22.07	33	Pass
HSUPA_Middle_Subtest2	21.15	22.08	33	Pass
HSUPA_Middle_Subtest3	21.14	22.07	33	Pass
HSUPA_Middle_Subtest4	21.14	22.07	33	Pass
HSUPA_Middle_Subtest5	21.14	22.07	33	Pass
HSUPA_High_Subtest1	21.13	22.06	33	Pass
HSUPA_High_Subtest2	21.14	22.07	33	Pass
HSUPA_High_Subtest3	21.13	22.06	33	Pass
HSUPA_High_Subtest4	21.14	22.07	33	Pass
HSUPA_High_Subtest5	21.13	22.06	33	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
HSPA+_Low_Subtest1	21.22	22.15	33	Pass
HSPA+_Middle_Subtest1	21.13	22.06	33	Pass
HSPA+_High_Subtest1	21.08	22.01	33	Pass

Note:

EIRP = Conducted Power(dBm) + Antenna Gain(dBi) - Cable Loss(dB)

1.Antenna Gain = 1.13dBi;

2.Cable Loss = 0.2dB.

FCC Part 27

WCDMA Band 4 , Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
R99_Low	22.95	23.24	30	Pass
R99_Middle	22.90	23.19	30	Pass
R99_High	22.85	23.14	30	Pass
HSDPA_Low_Subtest1	20.96	21.25	30	Pass
HSDPA_Low_Subtest2	21.11	21.40	30	Pass
HSDPA_Low_Subtest3	21.01	21.30	30	Pass
HSDPA_Low_Subtest4	20.98	21.27	30	Pass
HSDPA_Middle_Subtest1	20.99	21.28	30	Pass
HSDPA_Middle_Subtest2	21.04	21.33	30	Pass
HSDPA_Middle_Subtest3	20.96	21.25	30	Pass
HSDPA_Middle_Subtest4	20.94	21.23	30	Pass
HSDPA_High_Subtest1	20.96	21.25	30	Pass
HSDPA_High_Subtest2	20.99	21.28	30	Pass
HSDPA_High_Subtest3	20.91	21.20	30	Pass
HSDPA_High_Subtest4	20.91	21.20	30	Pass
HSUPA_Low_Subtest1	21.42	21.71	30	Pass
HSUPA_Low_Subtest2	21.42	21.71	30	Pass
HSUPA_Low_Subtest3	21.41	21.70	30	Pass
HSUPA_Low_Subtest4	21.41	21.70	30	Pass
HSUPA_Low_Subtest5	21.42	21.71	30	Pass
HSUPA_Middle_Subtest1	21.37	21.66	30	Pass
HSUPA_Middle_Subtest2	21.37	21.66	30	Pass
HSUPA_Middle_Subtest3	21.37	21.66	30	Pass
HSUPA_Middle_Subtest4	21.37	21.66	30	Pass
HSUPA_Middle_Subtest5	21.37	21.66	30	Pass
HSUPA_High_Subtest1	21.34	21.63	30	Pass
HSUPA_High_Subtest2	21.34	21.63	30	Pass
HSUPA_High_Subtest3	21.34	21.63	30	Pass
HSUPA_High_Subtest4	21.34	21.63	30	Pass
HSUPA_High_Subtest5	21.34	21.63	30	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
HSPA+_Low_Subtest1	21.46	21.75	30	Pass
HSPA+_Middle_Subtest1	21.34	21.63	30	Pass
HSPA+_High_Subtest1	21.32	21.61	30	Pass

Note:

EIRP = Conducted Power(dBm) + Antenna Gain(dBi) - Cable Loss(dB)

1.Antenna Gain = 0.49dBi;

2.Cable Loss = 0.2dB.

Peak-to-average Ratio(PAR)

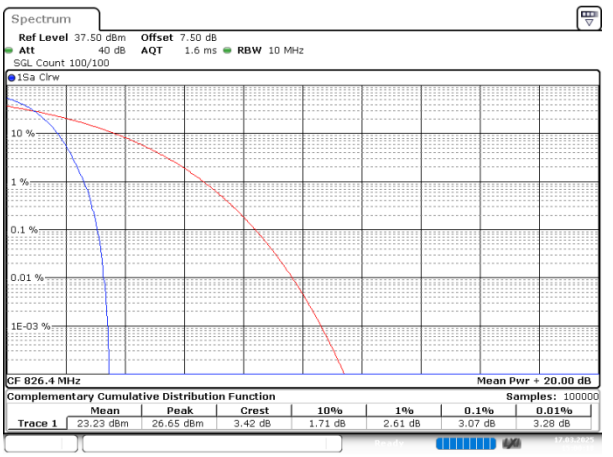
FCC Part 22H

WCDMA Band 5 , Normal

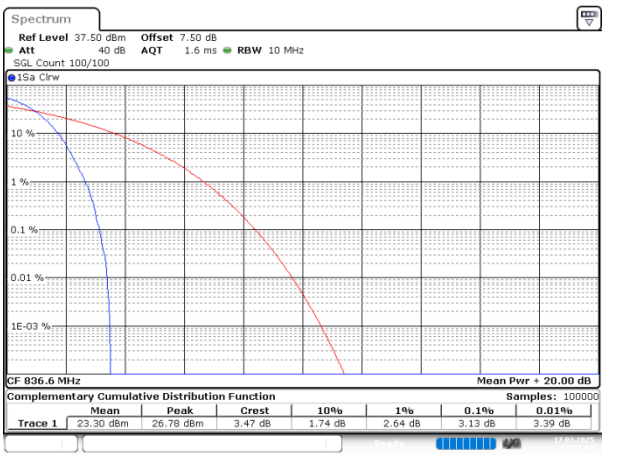
Mode	Result (dB)	Limit (dB)
R99_Low	3.07	13
R99_Middle	3.13	13
R99_High	3.13	13
HSDPA_Low_Subtest1	3.88	13
HSDPA_Middle_Subtest1	3.94	13
HSDPA_High_Subtest1	4.17	13
HSUPA_Low_Subtest1	4.78	13
HSUPA_Middle_Subtest1	4.78	13
HSUPA_High_Subtest1	4.78	13

WCDMA Band 5 , Normal

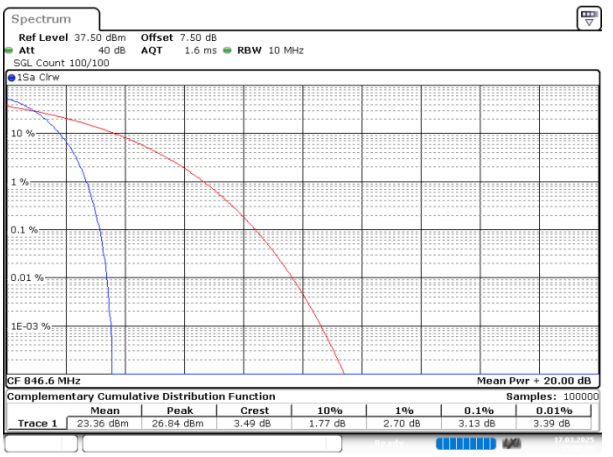
R99_Low



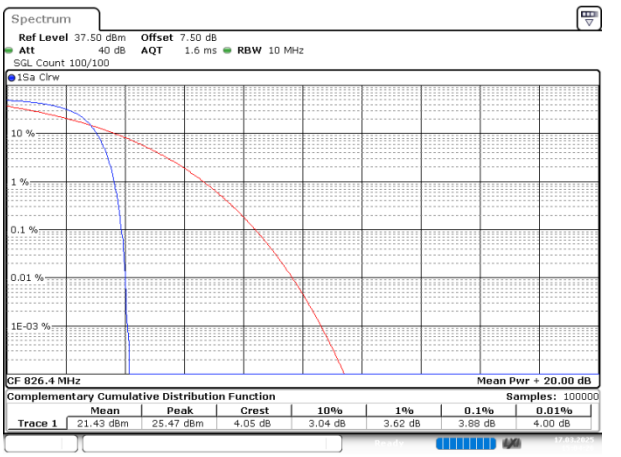
R99_Middle



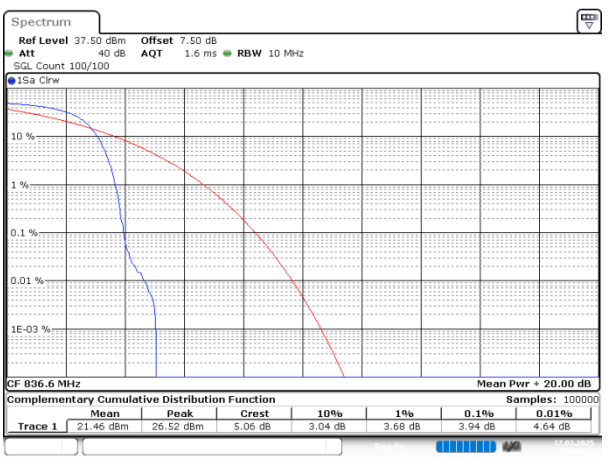
R99_High



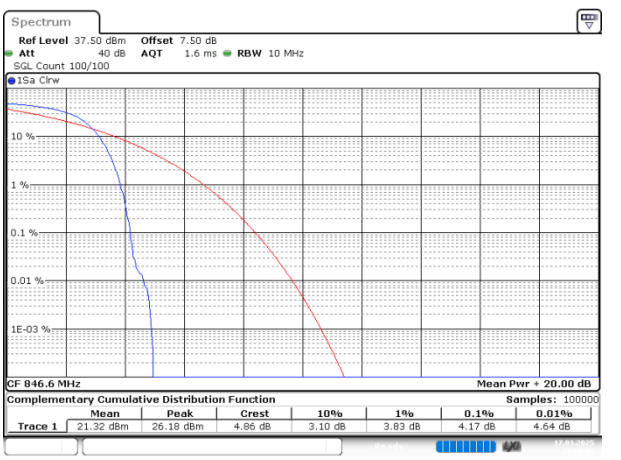
HSDPA_Low_Subtest1



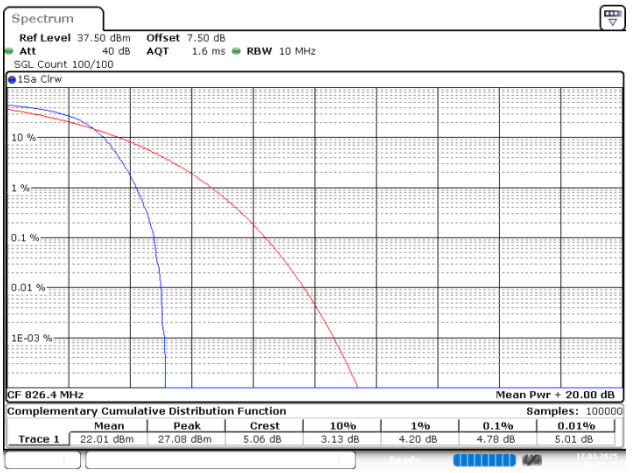
HSDPA_Middle_Subtest1



HSDPA_High_Subtest1

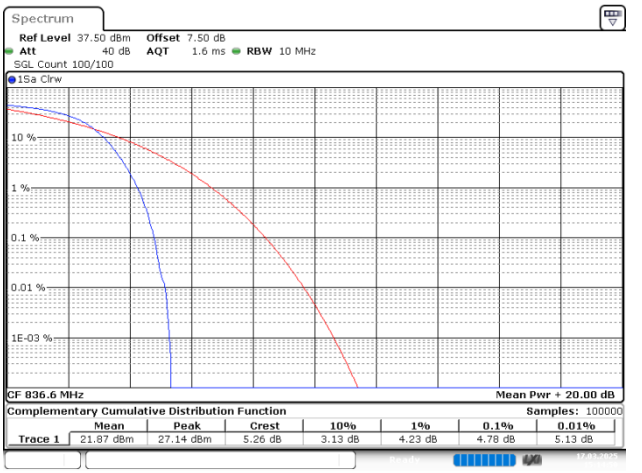


HSUPA_Low_Subtest1



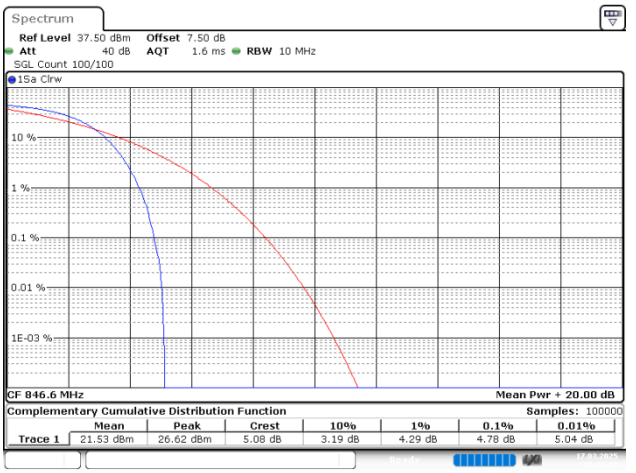
ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 17.MAR.2025 15:11:36

HSUPA_Middle_Subtest1



ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 17.MAR.2025 15:14:50

HSUPA_High_Subtest1



ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 17.MAR.2025 15:16:27

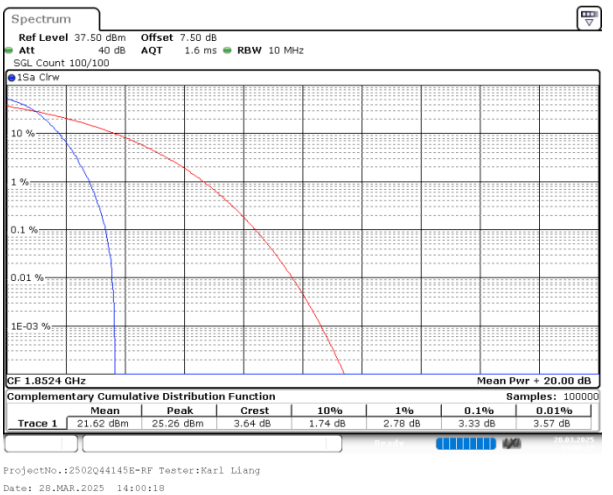
FCC Part 24E

WCDMA Band 2 , Normal

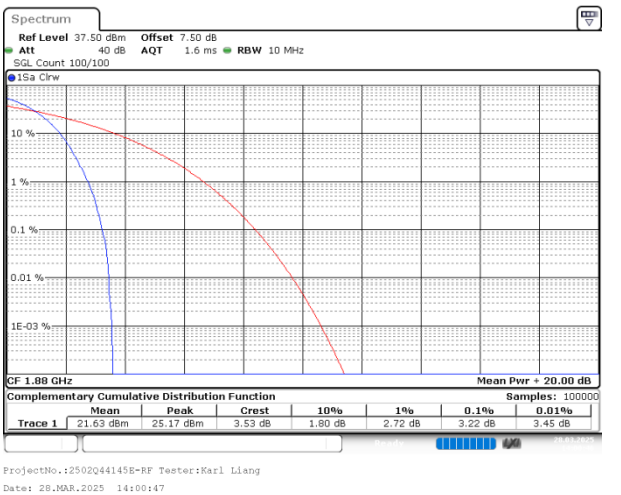
Mode	Result (dB)	Limit (dB)
R99_Low	3.33	13
R99_Middle	3.22	13
R99_High	3.19	13
HSDPA_Low_Subtest1	4	13
HSDPA_Middle_Subtest1	4.03	13
HSDPA_High_Subtest1	4	13
HSUPA_Low_Subtest1	4.87	13
HSUPA_Middle_Subtest1	4.93	13
HSUPA_High_Subtest1	4.90	13

WCDMA Band 2 , Normal

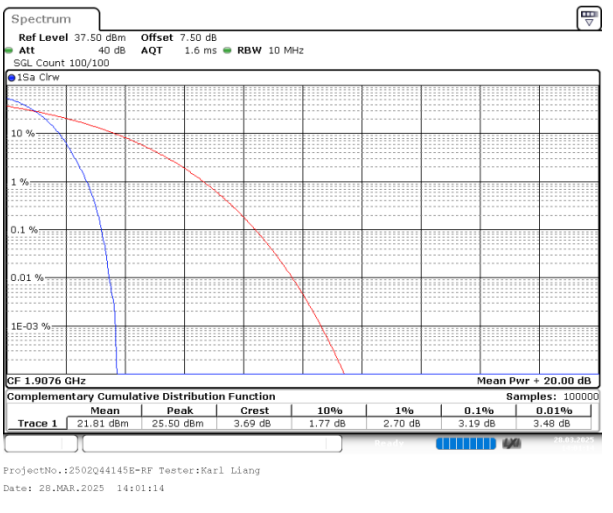
R99_Low



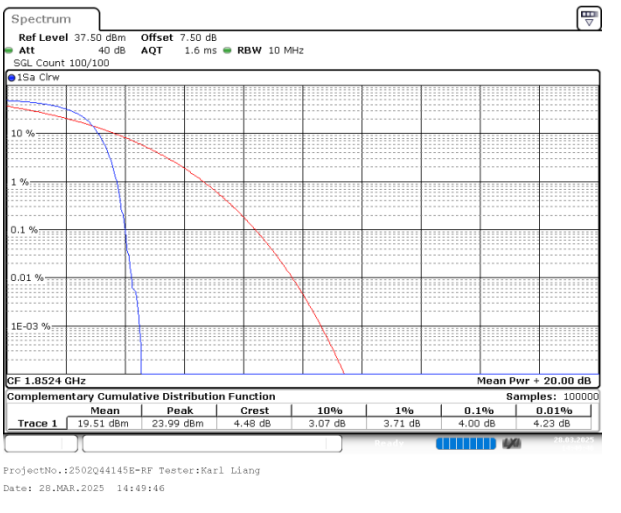
R99_Middle



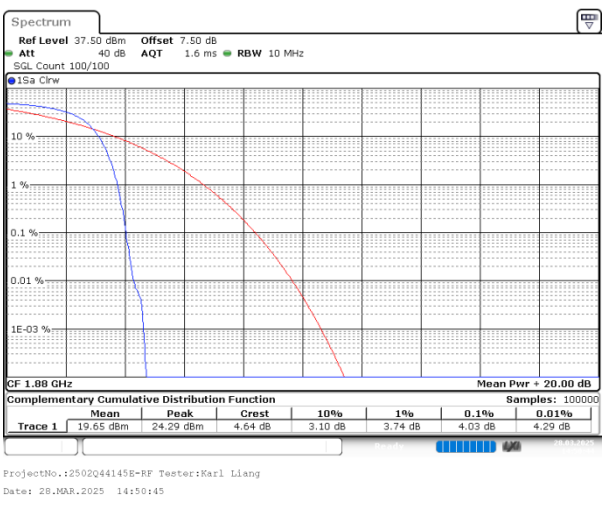
R99_High



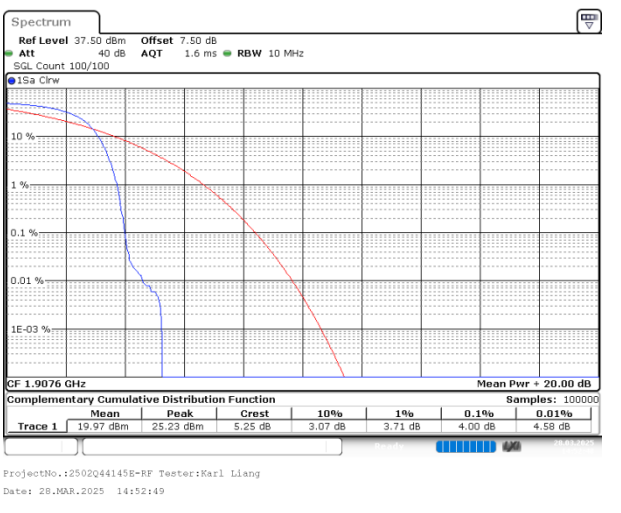
HSDPA_Low_Subtest1



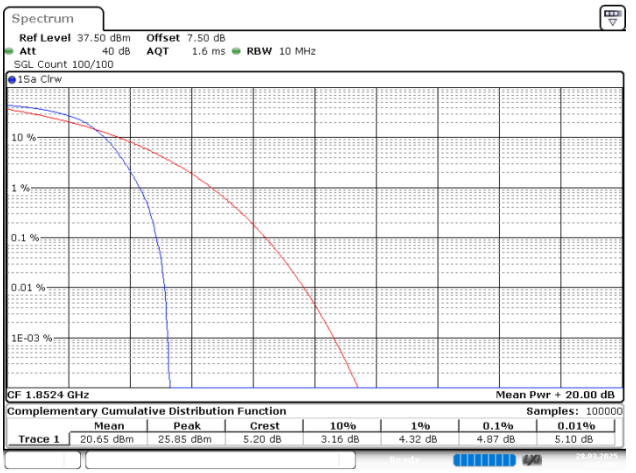
HSDPA_Middle_Subtest1



HSDPA_High_Subtest1

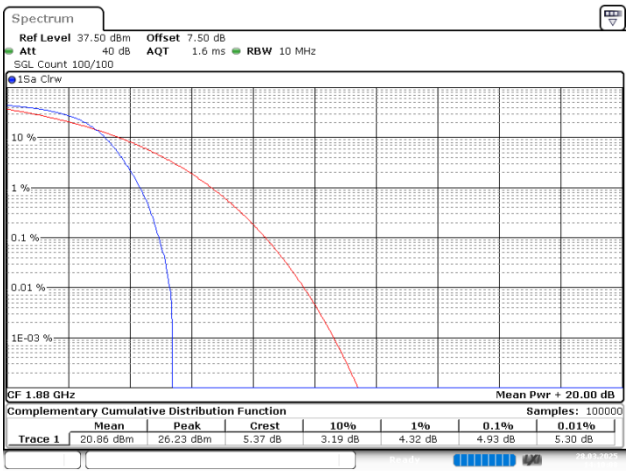


HSUPA_Low_Subtest1



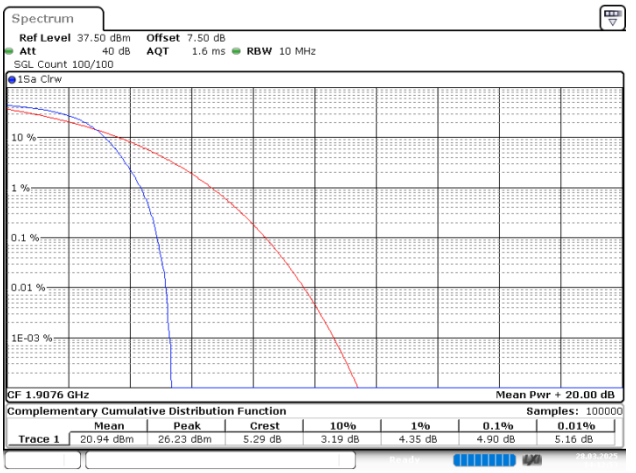
ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 28.MAR.2025 14:54:02

HSUPA_Middle_Subtest1



ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 28.MAR.2025 14:10:09

HSUPA_High_Subtest1



ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 28.MAR.2025 14:12:54

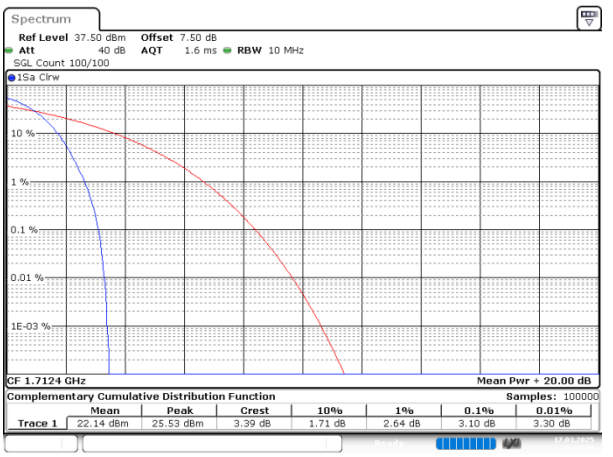
FCC Part 27

WCDMA Band 4 , Normal

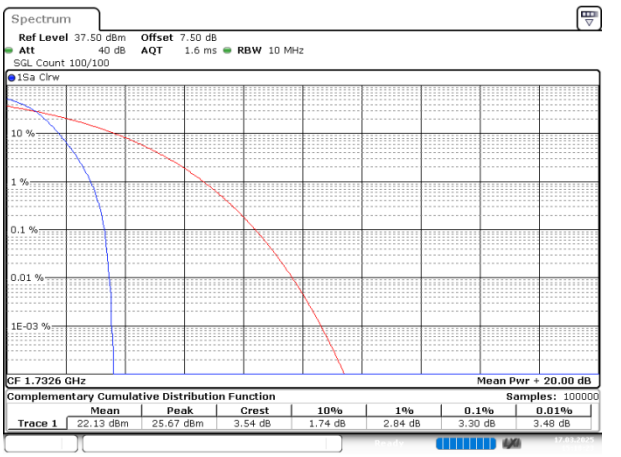
Mode	Result (dB)	Limit (dB)
R99_Low	3.10	13
R99_Middle	3.30	13
R99_High	2.93	13
HSDPA_Low_Subtest1	3.88	13
HSDPA_Middle_Subtest1	3.94	13
HSDPA_High_Subtest1	3.86	13
HSUPA_Low_Subtest1	4.75	13
HSUPA_Middle_Subtest1	4.90	13
HSUPA_High_Subtest1	4.58	13

WCDMA Band 4 , Normal

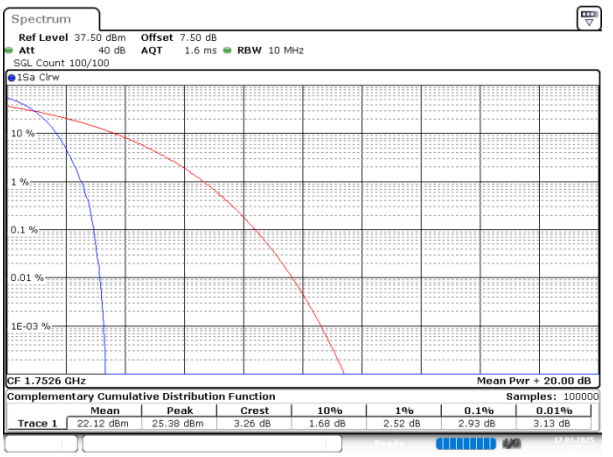
R99_Low



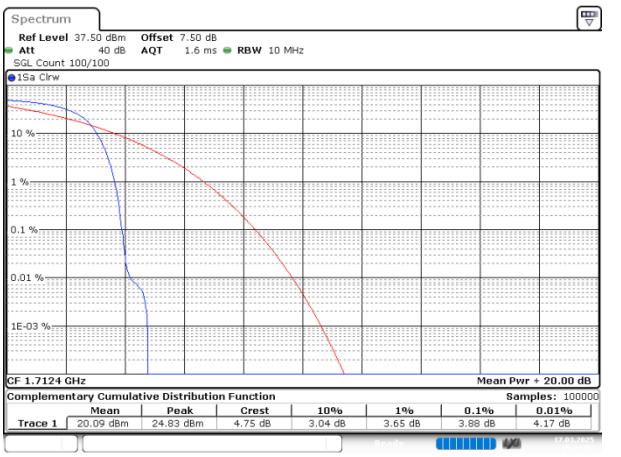
R99_Middle



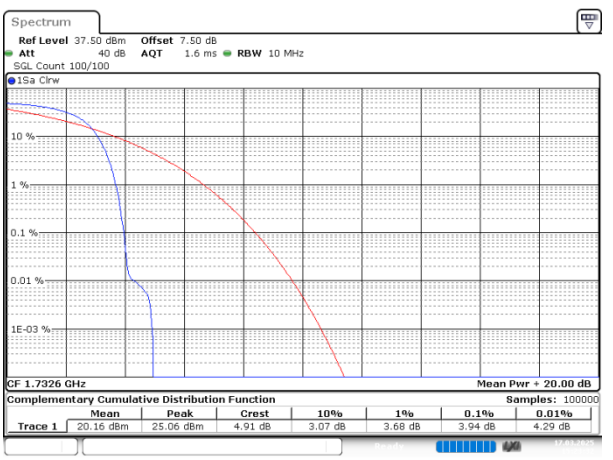
R99_High



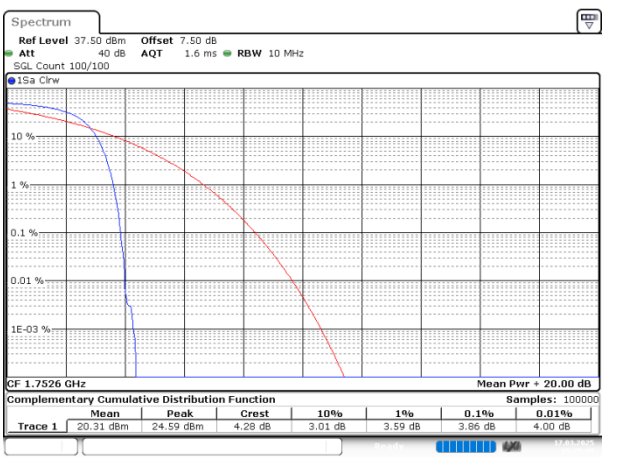
HSDPA_Low_Subtest1



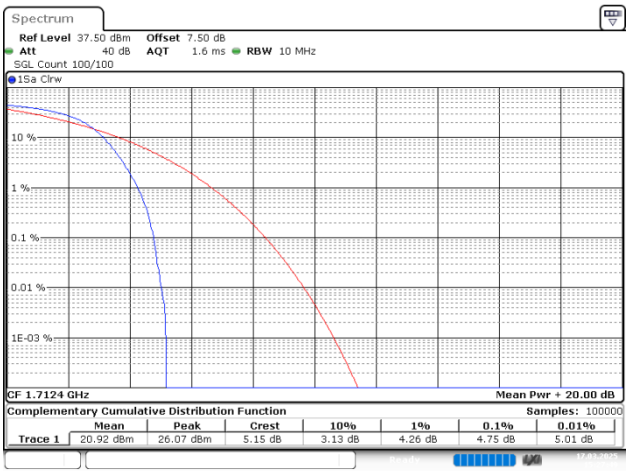
HSDPA_Middle_Subtest1



HSDPA_High_Subtest1

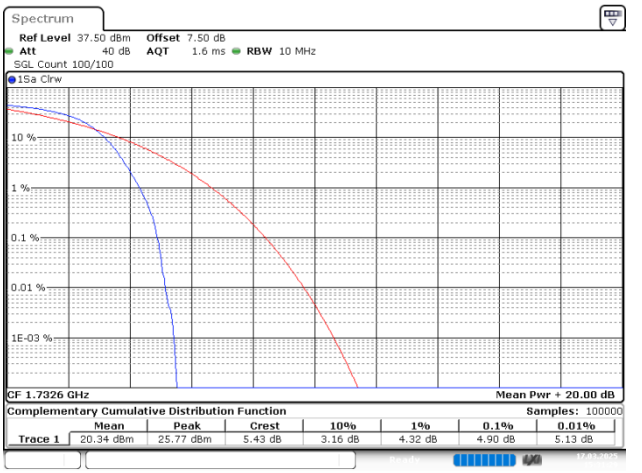


HSUPA_Low_Subtest1



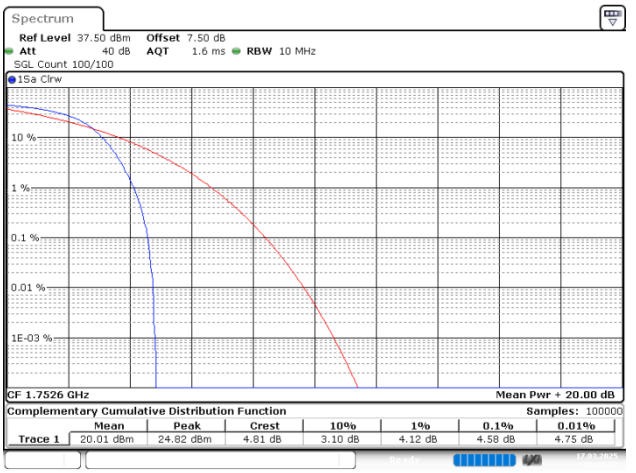
ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 17.MAR.2025 15:27:50

HSUPA_Middle_Subtest1



ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 17.MAR.2025 15:31:30

HSUPA_High_Subtest1



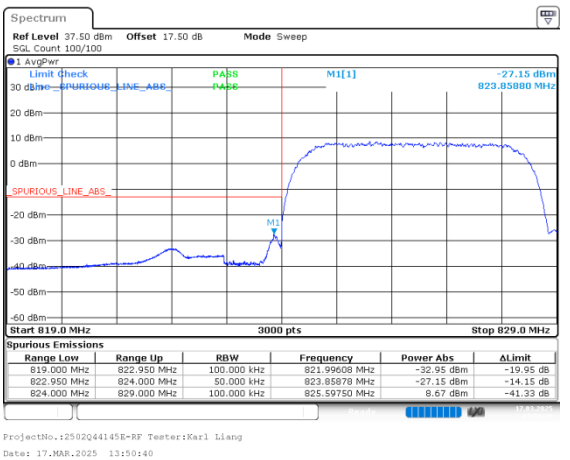
ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 17.MAR.2025 15:41:53

Out of band emission,Band Edge

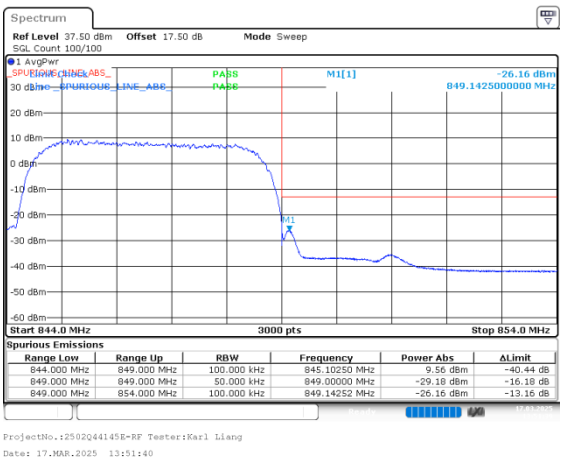
FCC Part 22H

WCDMA Band 5 , Normal

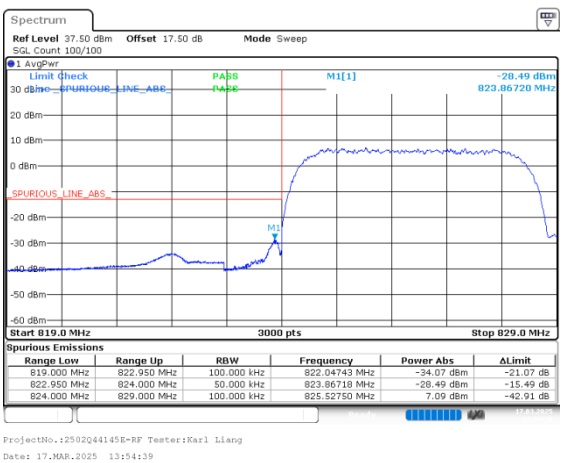
R99_Low



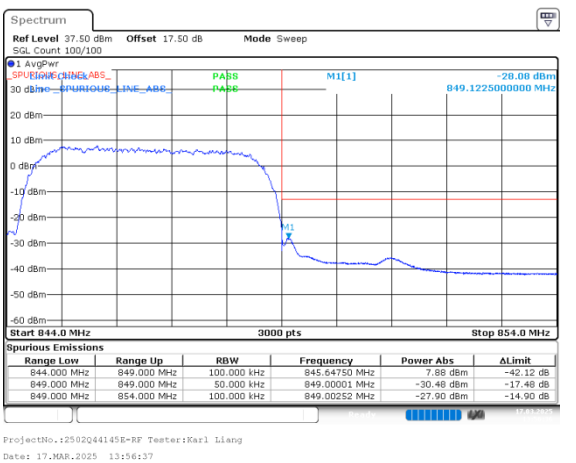
R99_High



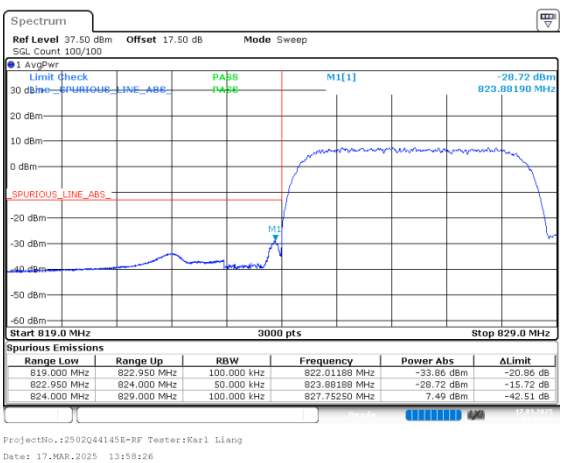
HSDPA_Low_Subtest1



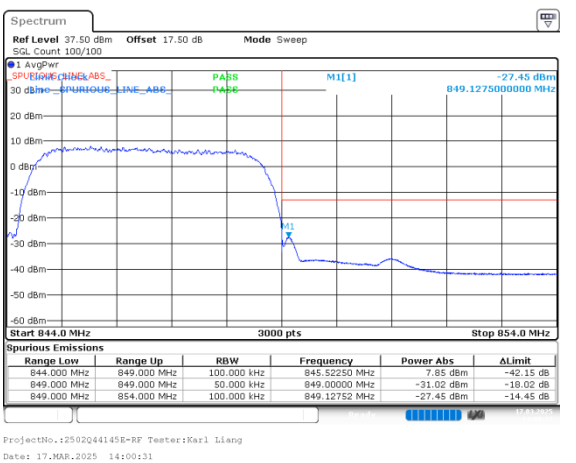
HSDPA_High_Subtest1



HSUPA_Low_Subtest1



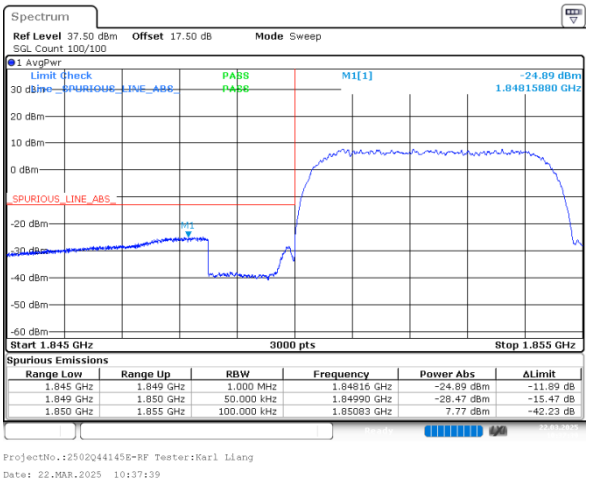
HSUPA_High_Subtest1



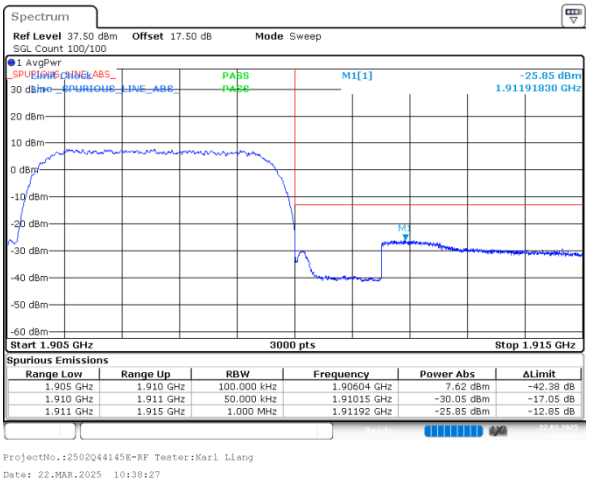
FCC Part 24E

WCDMA Band 2 , Normal

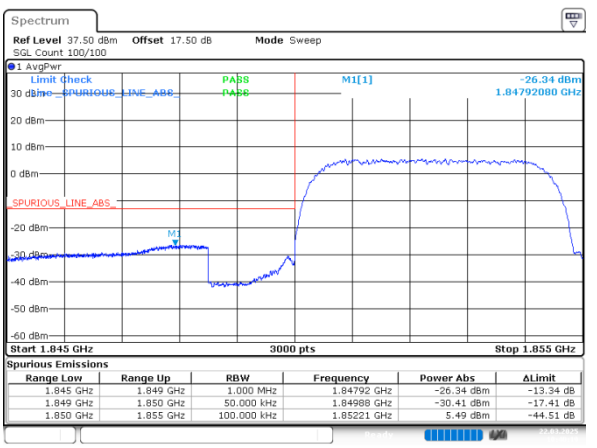
R99_Low



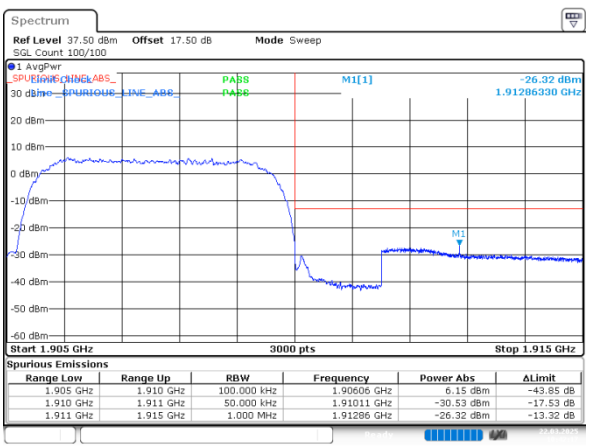
R99_High



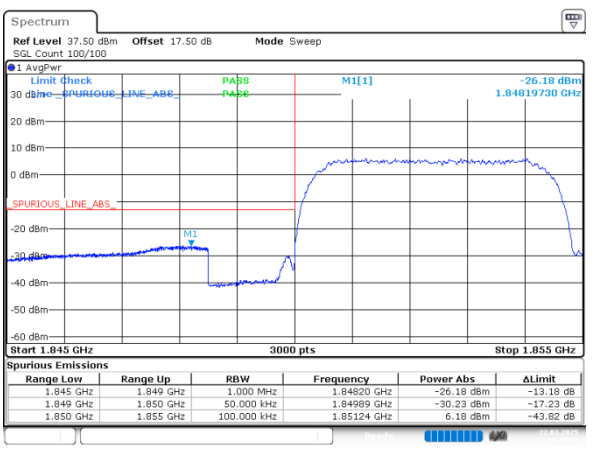
HSDPA_Low_Subtest1



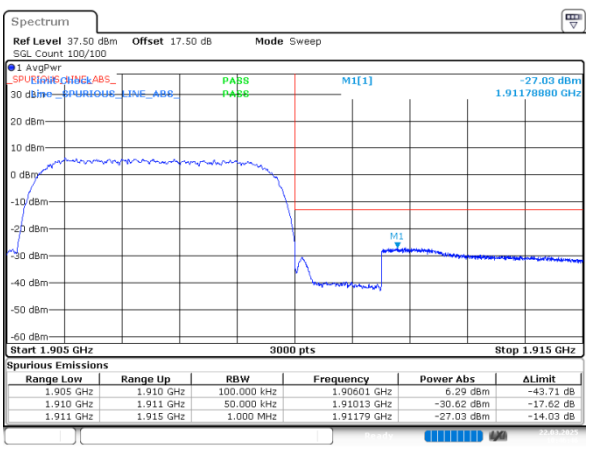
HSDPA_High_Subtest1



HSUPA_Low_Subtest1



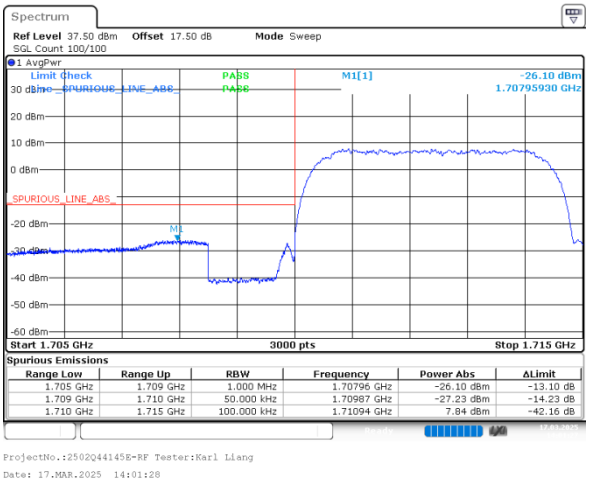
HSUPA_High_Subtest1



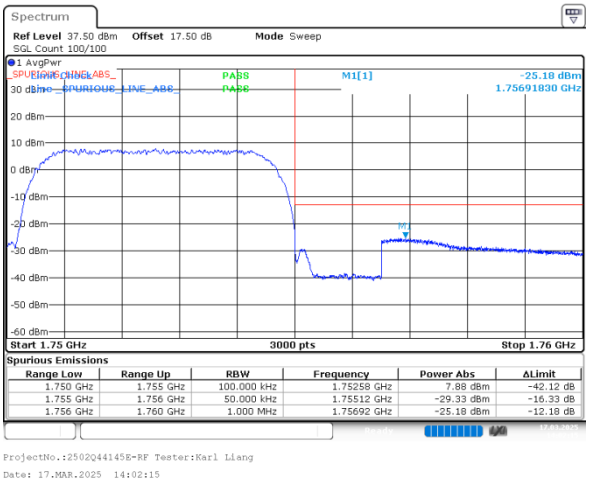
FCC Part 27

WCDMA Band 4 , Normal

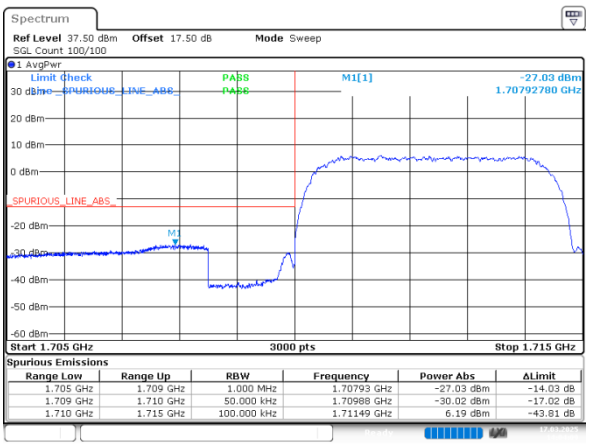
R99_Low



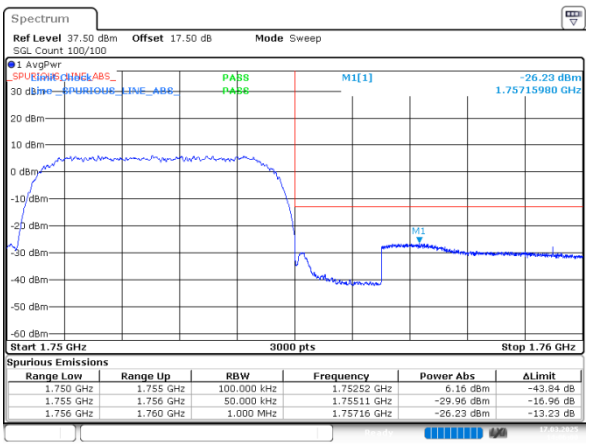
R99_High



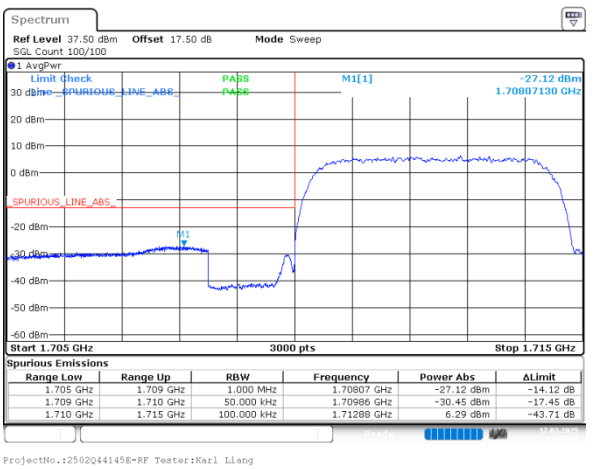
HSDPA_Low_Subtest1



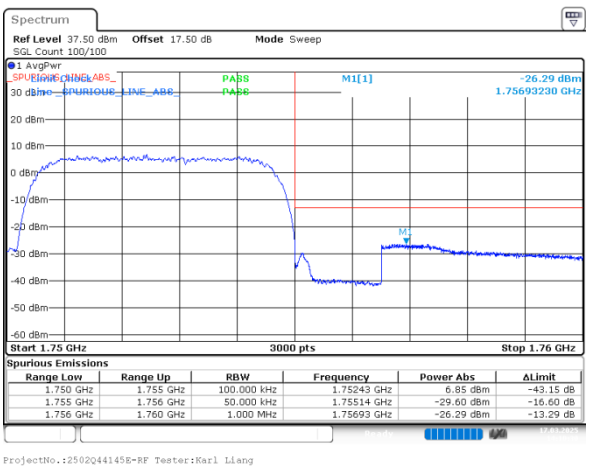
HSDPA_High_Subtest1



HSUPA_Low_Subtest1



HSUPA_High_Subtest1



Spurious Emissions at Antenna Terminal

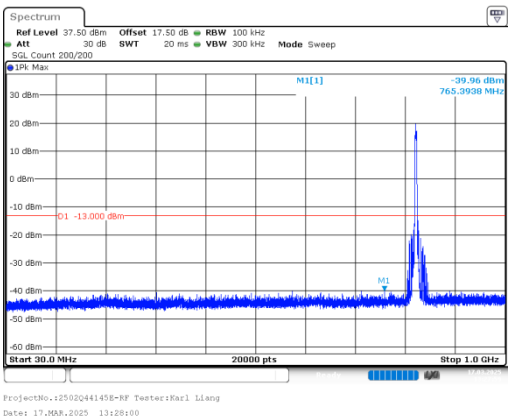
FCC Part 22H

WCDMA Band 5 , Normal

Worst case

R99_Low

Below 1G



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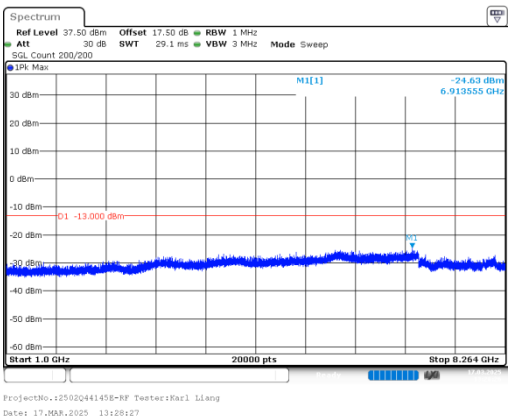
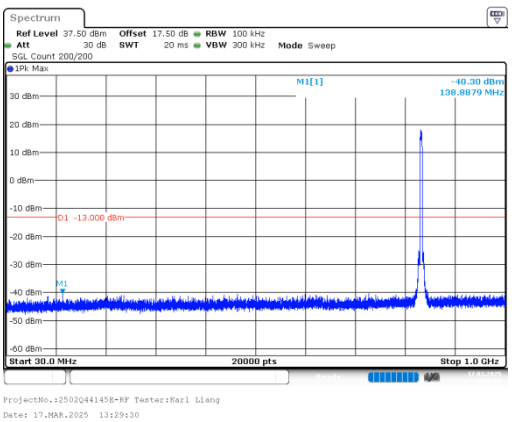


R99_Middle

Below 1G



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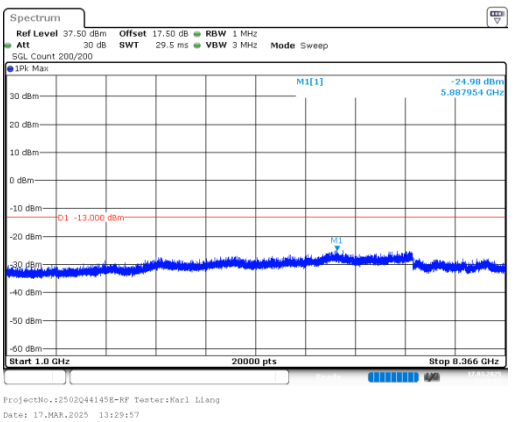
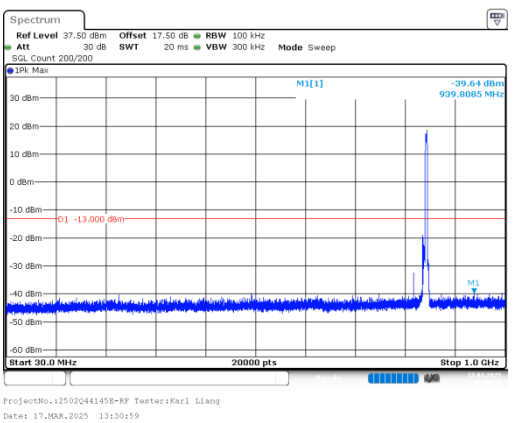
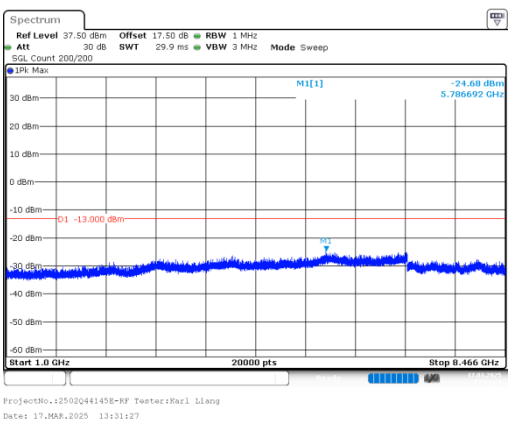


R99_High

Below 1G



Above 1G



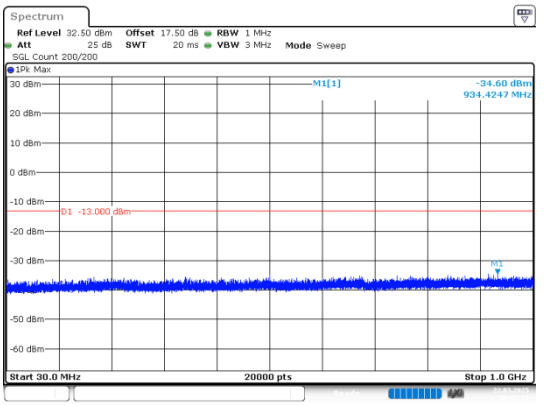
FCC Part 24E

WCDMA Band 2 , Normal

Worst case

R99_Low

Below 1G



ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 22.MAR.2025 10:48:15

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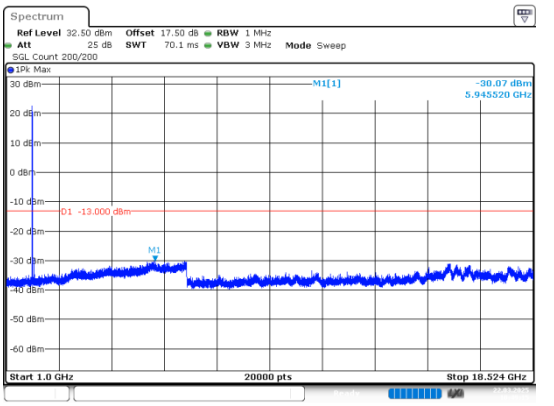
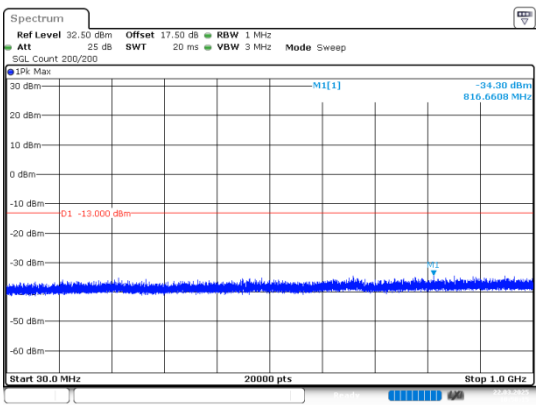


ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 22.MAR.2025 10:49:16

R99_Middle

Below 1G



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Date: 22.MAR.2025 10:50:15

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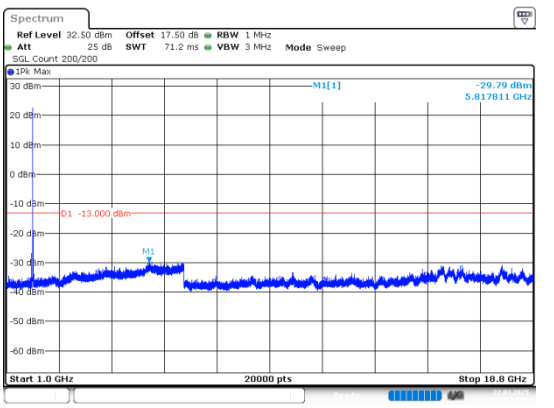
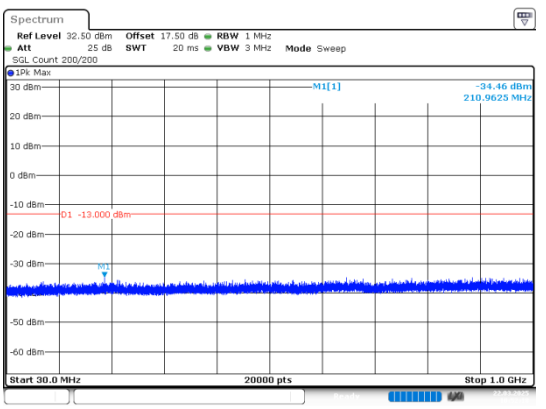


ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 22.MAR.2025 10:51:17

R99_High

Below 1G



ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 22.MAR.2025 10:52:18

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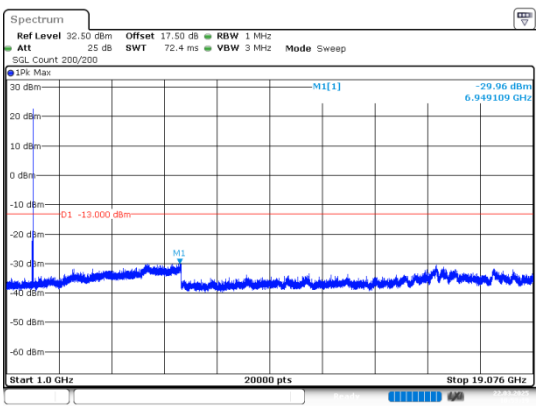


ProjectNo.:2502Q44145E-RF Tester:Karl Liang
Date: 22.MAR.2025 10:53:20

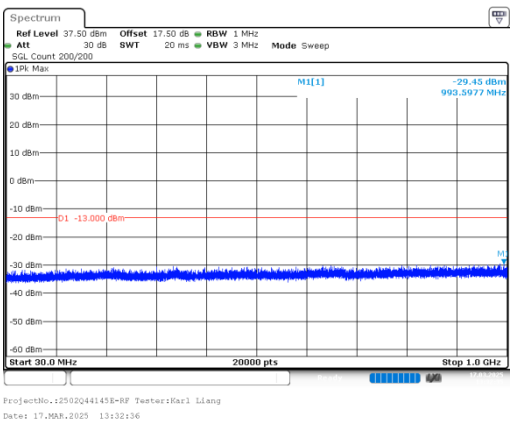
FCC Part 27

WCDMA Band 4 , Normal

Worst case

R99_Low

Below 1G



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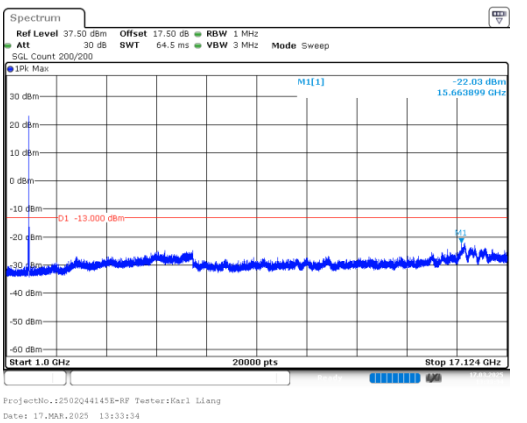
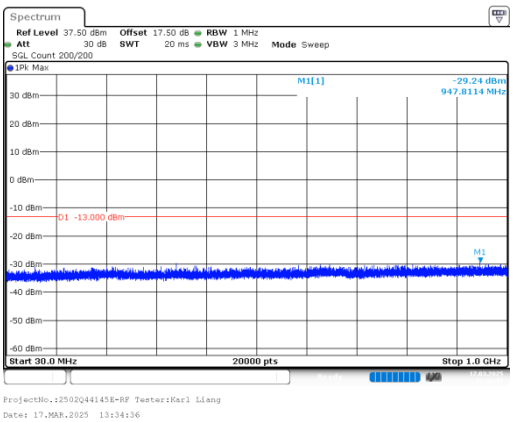


R99_Middle

Below 1G



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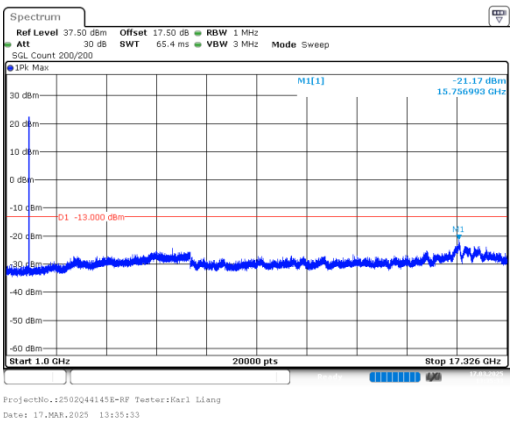
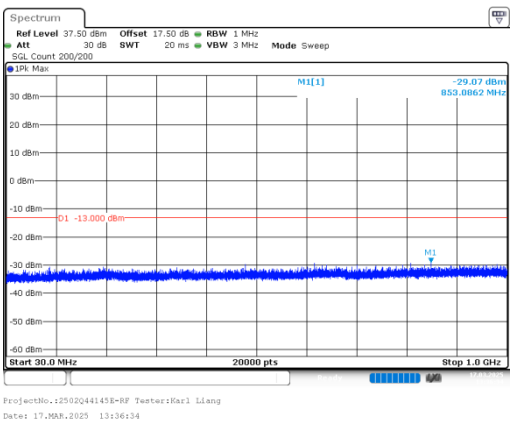


R99_High

Below 1G



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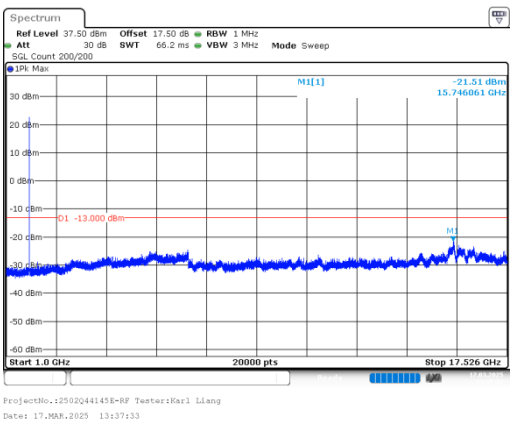

***** END *****