

Appendix B

Test Information:

Serial No.:	37XL-2	Test Date:	2025/08/08~2025/08/29
Test Site:	RF	Test Mode:	Transmitting
Tester:	Loge Long	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.3~28.7	Relative Humidity: (%)	52~72	ATM Pressure: (kPa)	99.5~101.1
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
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	149216	2024/09/05	2025/09/04
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30173	2024/09/06	2025/09/05
Minl-Clrucits	Coaxial Power Splitters & Combiner	ZFRSC-183-S+	SF448201614	2025/02/25	2026/02/24
Micro-Coax	Coaxial Cable	UFB205A	323308-015	2025/06/01	2026/05/31
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM502	2025/06/07	2026/06/06
HUBER+SUHNER	Coaxial Attenuator	6610_SMA-50-1	0064	2025/06/13	2026/06/12
All-sun	Multimeter	EM305A	8348897	2025/08/15	2026/08/14
Daoxiang	AC Transformer	TDGC2-5KVA	F-08-EM011	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	-0.94	-0.0011	±2.5	Pass
R99_Middle_T1/VN	836.6	-0.63	-0.0008	±2.5	Pass
R99_Middle_T2/VN	836.6	-0.64	-0.0008	±2.5	Pass
R99_Middle_T3/VN	836.6	-1.12	-0.0013	±2.5	Pass
R99_Middle_T4/VN	836.6	-1.07	-0.0013	±2.5	Pass
R99_Middle_T5/VN	836.6	-0.25	-0.0003	±2.5	Pass
R99_Middle_T6/VN	836.6	-0.35	-0.0004	±2.5	Pass
R99_Middle_T7/VN	836.6	-0.41	-0.0005	±2.5	Pass
R99_Middle_T8/VN	836.6	0.46	0.0006	±2.5	Pass
R99_Middle_TN/VH	836.6	-0.17	-0.0002	±2.5	Pass
R99_Middle_TN/VL	836.6	-0.43	-0.0005	±2.5	Pass

Note:

Frequency Error (ppm)=Frequency Error (MHz)/Test Channel(MHz)*10⁶
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	1850.325	1850	Pass
R99_Low_T1/VN	1850.345	1850	Pass
R99_Low_T2/VN	1850.335	1850	Pass
R99_Low_T3/VN	1850.325	1850	Pass
R99_Low_T4/VN	1850.355	1850	Pass
R99_Low_T5/VN	1850.335	1850	Pass
R99_Low_T6/VN	1850.325	1850	Pass
R99_Low_T7/VN	1850.335	1850	Pass
R99_Low_T8/VN	1850.325	1850	Pass
R99_Low_TN/VH	1850.335	1850	Pass
R99_Low_TN/VL	1850.325	1850	Pass
R99_High_TN/VN	1909.645	1910	Pass
R99_High_T1/VN	1909.675	1910	Pass
R99_High_T2/VN	1909.655	1910	Pass
R99_High_T3/VN	1909.655	1910	Pass
R99_High_T4/VN	1909.665	1910	Pass
R99_High_T5/VN	1909.665	1910	Pass
R99_High_T6/VN	1909.665	1910	Pass
R99_High_T7/VN	1909.675	1910	Pass
R99_High_T8/VN	1909.665	1910	Pass
R99_High_TN/VH	1909.645	1910	Pass
R99_High_TN/VL	1909.675	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.

Occupied Bandwidth

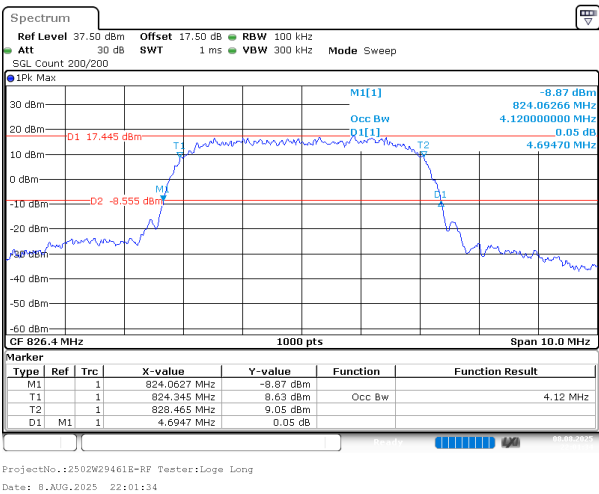
FCC Part 22H

WCDMA Band 5, Normal

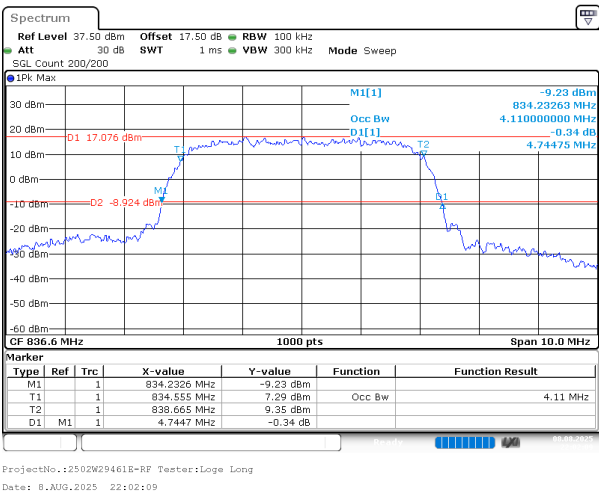
Mode	99% OBW (MHz)	26dB BW (MHz)
R99_Low	4.120	4.695
R99_Middle	4.110	4.745
R99_High	4.120	4.725
HSDPA_Low_Subtest1	4.130	4.755
HSDPA_Middle_Subtest1	4.130	4.765
HSDPA_High_Subtest1	4.140	4.735
HSUPA_Low_Subtest1	4.140	4.735
HSUPA_Middle_Subtest1	4.160	4.715
HSUPA_High_Subtest1	4.120	4.695

WCDMA Band 5, Normal

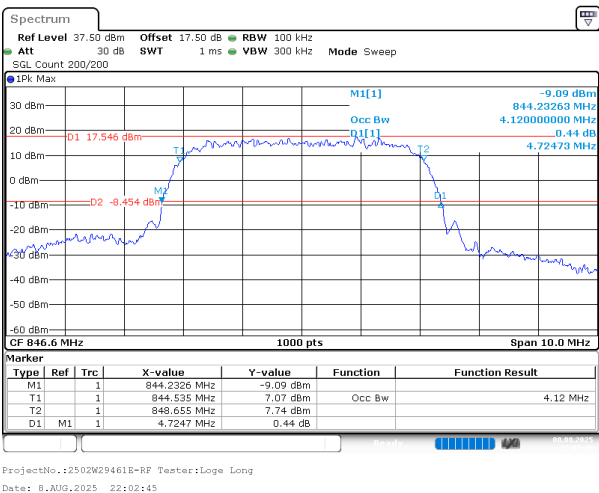
R99_Low



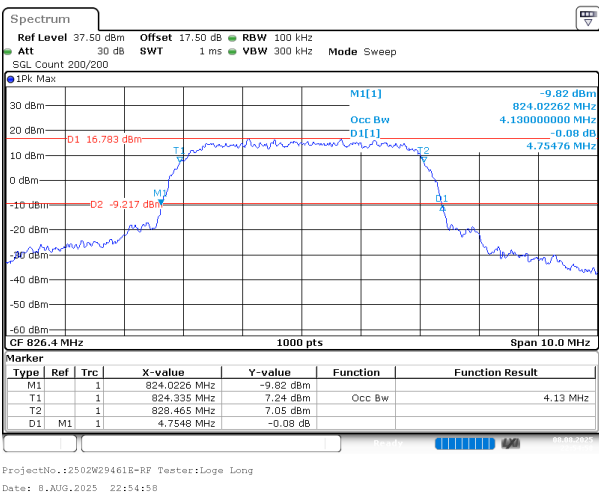
R99_Middle



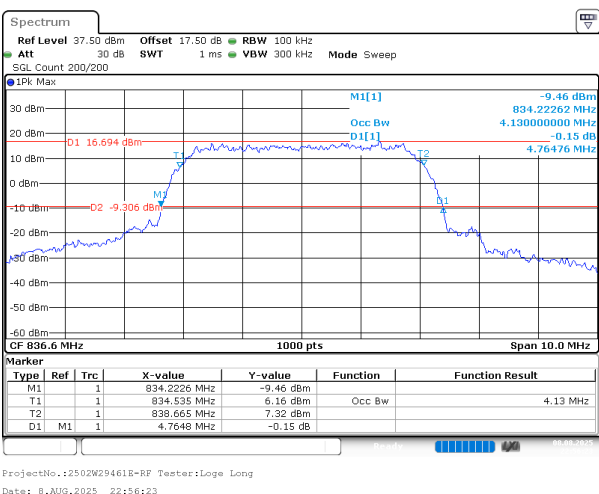
R99_High



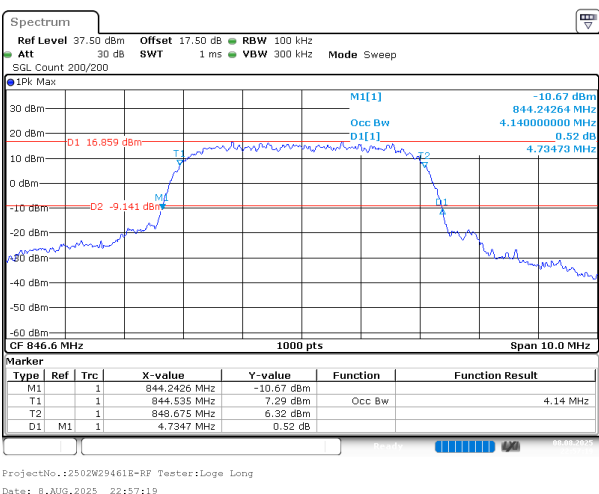
HSDPA_Low_Subtest1



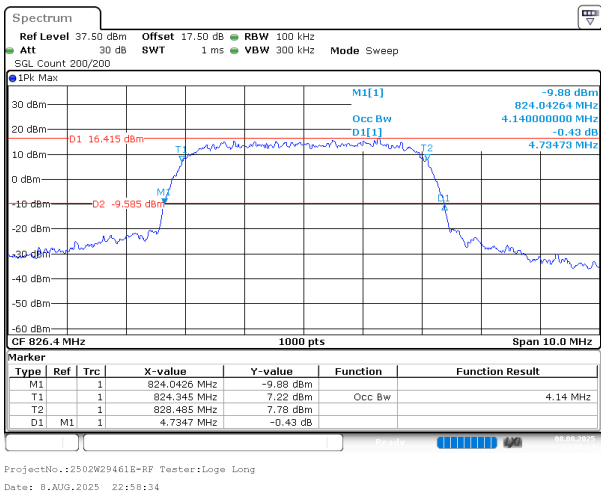
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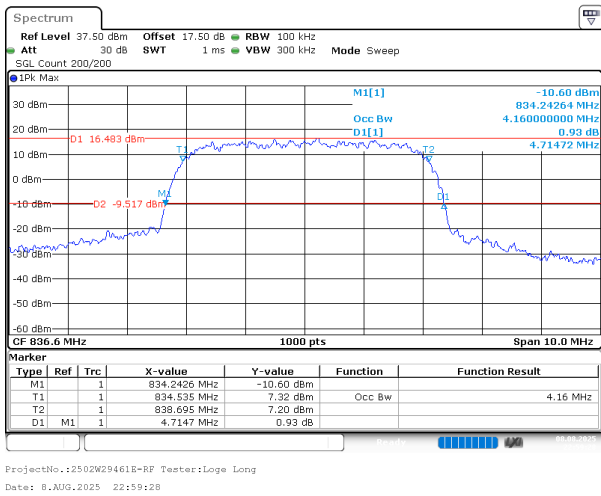
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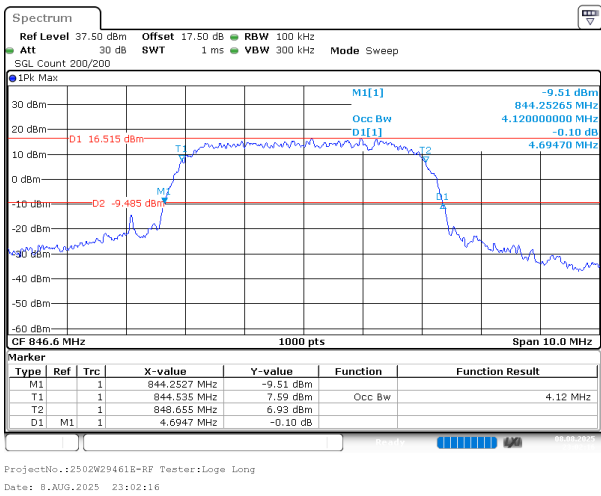
HSUPA_Low_Subtest1



HSUPA_Middle_Subtest1



HSUPA_High_Subtest1



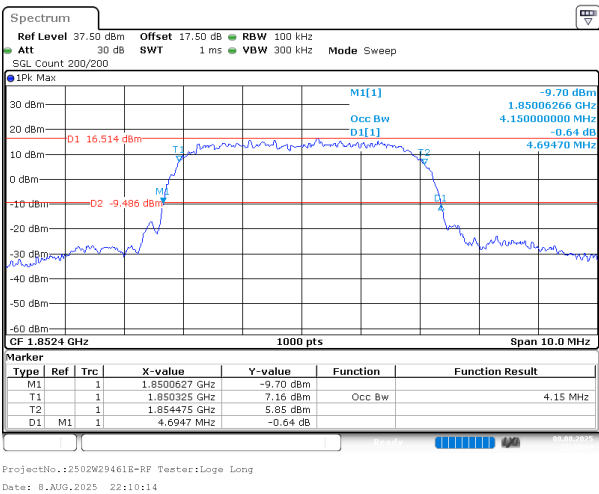
FCC Part 24E

WCDMA Band 2, Normal

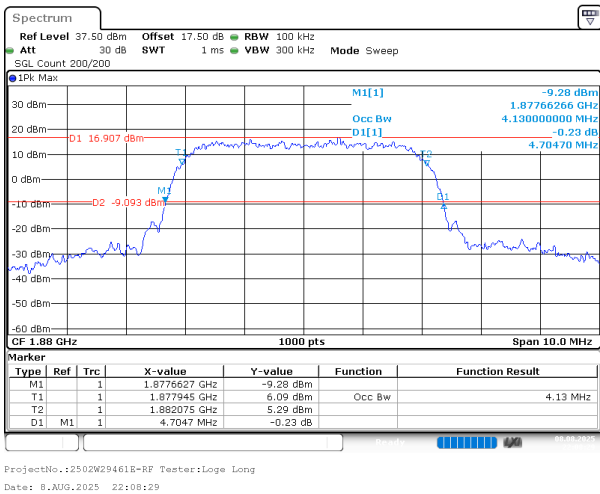
Mode	99% OBW (MHz)	26dB BW (MHz)
R99_Low	4.150	4.695
R99_Middle	4.130	4.705
R99_High	4.120	4.695
HSDPA_Low_Subtest1	4.130	4.735
HSDPA_Middle_Subtest1	4.160	4.715
HSDPA_High_Subtest1	4.150	4.715
HSUPA_Low_Subtest1	4.150	4.735
HSUPA_Middle_Subtest1	4.120	4.735
HSUPA_High_Subtest1	4.130	4.735

WCDMA Band 2, Normal

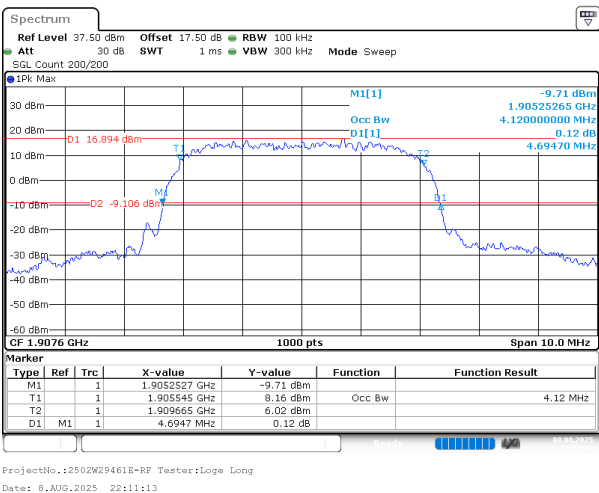
R99_Low



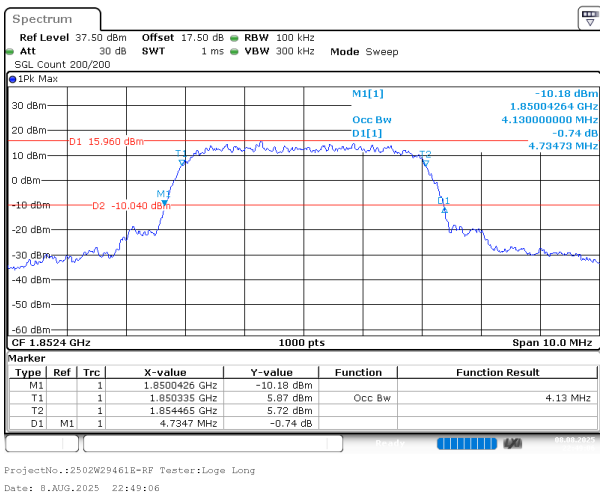
R99_Middle



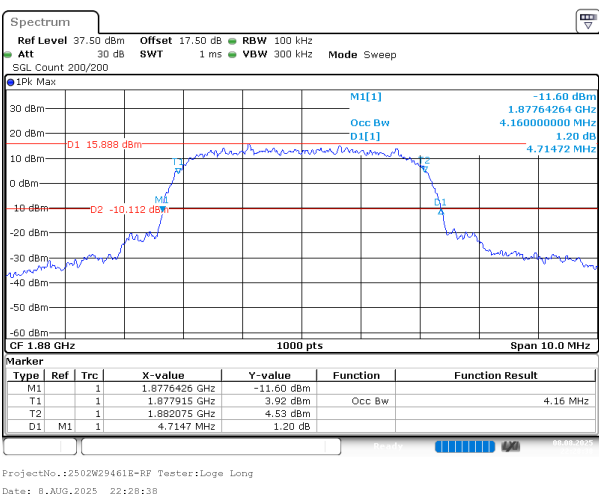
R99_High



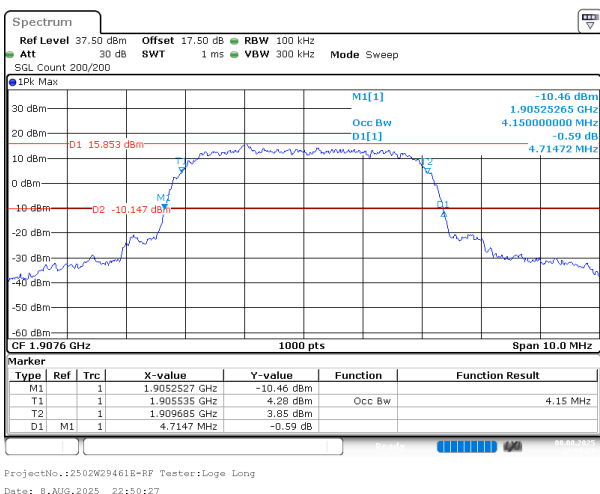
HSDPA_Low_Subtest1



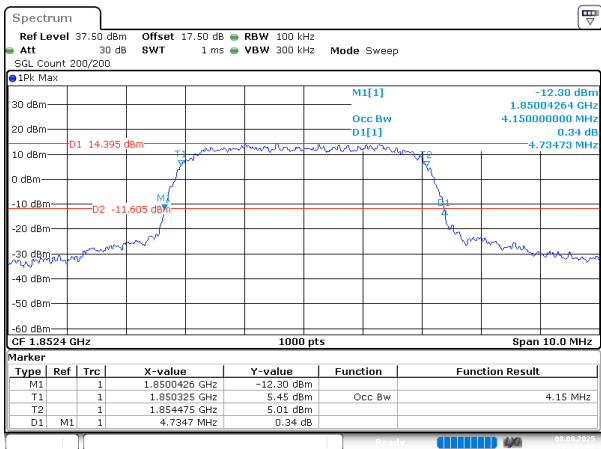
HSDPA_Middle_Subtest1



HSDPA_High_Subtest1

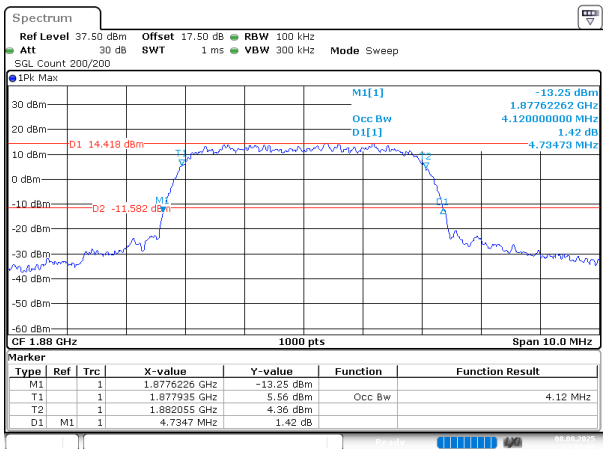


HSUPA_Low_Subtest1



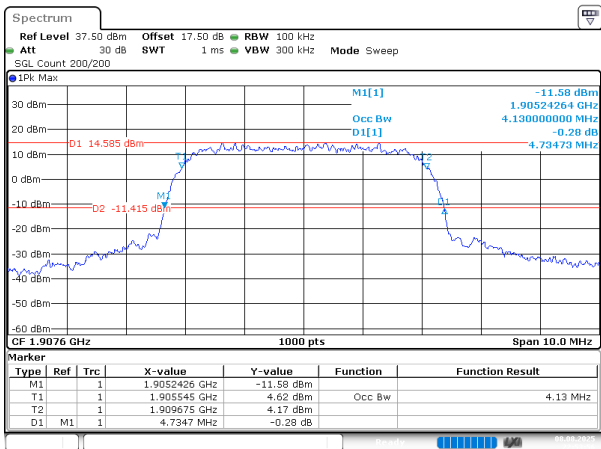
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Date: 8.AUG.2025 22:51:56

HSUPA_Middle_Subtest1



ProjectNo.:2502W29461E-RF Tester:Loge Long
Date: 8.AUG.2025 22:52:50

HSUPA_High_Subtest1



ProjectNo.:2502W29461E-RF Tester:Loge Long
Date: 8.AUG.2025 22:53:56

RF Output Power**FCC Part 22H****WCDMA Band 5, Normal**

Mode	Average Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
R99_Low	23.09	15.63	38.45	Pass
R99_Middle	22.97	15.51	38.45	Pass
R99_High	22.87	15.41	38.45	Pass
HSDPA_Low_Subtest1	22.20	14.74	38.45	Pass
HSDPA_Low_Subtest2	22.28	14.82	38.45	Pass
HSDPA_Low_Subtest3	22.22	14.76	38.45	Pass
HSDPA_Low_Subtest4	22.23	14.77	38.45	Pass
HSDPA_Middle_Subtest1	22.30	14.84	38.45	Pass
HSDPA_Middle_Subtest2	22.35	14.89	38.45	Pass
HSDPA_Middle_Subtest3	22.26	14.80	38.45	Pass
HSDPA_Middle_Subtest4	22.26	14.80	38.45	Pass
HSDPA_High_Subtest1	22.18	14.72	38.45	Pass
HSDPA_High_Subtest2	22.21	14.75	38.45	Pass
HSDPA_High_Subtest3	22.22	14.76	38.45	Pass
HSDPA_High_Subtest4	22.22	14.76	38.45	Pass
HSUPA_Low_Subtest1	21.81	14.35	38.45	Pass
HSUPA_Low_Subtest2	21.76	14.30	38.45	Pass
HSUPA_Low_Subtest3	21.75	14.29	38.45	Pass
HSUPA_Low_Subtest4	21.73	14.27	38.45	Pass
HSUPA_Low_Subtest5	21.70	14.24	38.45	Pass
HSUPA_Middle_Subtest1	21.80	14.34	38.45	Pass
HSUPA_Middle_Subtest2	21.77	14.31	38.45	Pass
HSUPA_Middle_Subtest3	21.81	14.35	38.45	Pass
HSUPA_Middle_Subtest4	21.81	14.35	38.45	Pass
HSUPA_Middle_Subtest5	21.79	14.33	38.45	Pass
HSUPA_High_Subtest1	21.66	14.20	38.45	Pass
HSUPA_High_Subtest2	21.71	14.25	38.45	Pass
HSUPA_High_Subtest3	21.67	14.21	38.45	Pass
HSUPA_High_Subtest4	21.76	14.30	38.45	Pass
HSUPA_High_Subtest5	21.73	14.27	38.45	Pass

Note:

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

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

1.Antenna Gain = -5.21dBi;

2.Cable Loss = 0.1dB.

FCC Part 24E**WCDMA Band 2, Normal**

Mode	Average Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
R99_Low	22.01	24.15	33	Pass
R99_Middle	22.09	24.23	33	Pass
R99_High	21.91	24.05	33	Pass
HSDPA_Low_Subtest1	20.67	22.81	33	Pass
HSDPA_Low_Subtest2	20.60	22.74	33	Pass
HSDPA_Low_Subtest3	20.48	22.62	33	Pass
HSDPA_Low_Subtest4	20.69	22.83	33	Pass
HSDPA_Middle_Subtest1	20.71	22.85	33	Pass
HSDPA_Middle_Subtest2	20.88	23.02	33	Pass
HSDPA_Middle_Subtest3	20.86	23.00	33	Pass
HSDPA_Middle_Subtest4	20.84	22.98	33	Pass
HSDPA_High_Subtest1	20.78	22.92	33	Pass
HSDPA_High_Subtest2	20.66	22.80	33	Pass
HSDPA_High_Subtest3	20.63	22.77	33	Pass
HSDPA_High_Subtest4	20.56	22.70	33	Pass
HSUPA_Low_Subtest1	20.12	22.26	33	Pass
HSUPA_Low_Subtest2	20.11	22.25	33	Pass
HSUPA_Low_Subtest3	20.34	22.48	33	Pass
HSUPA_Low_Subtest4	20.26	22.40	33	Pass
HSUPA_Low_Subtest5	20.31	22.45	33	Pass
HSUPA_Middle_Subtest1	20.31	22.45	33	Pass
HSUPA_Middle_Subtest2	20.40	22.54	33	Pass
HSUPA_Middle_Subtest3	20.39	22.53	33	Pass
HSUPA_Middle_Subtest4	20.35	22.49	33	Pass
HSUPA_Middle_Subtest5	20.41	22.55	33	Pass
HSUPA_High_Subtest1	20.08	22.22	33	Pass
HSUPA_High_Subtest2	20.22	22.36	33	Pass
HSUPA_High_Subtest3	20.11	22.25	33	Pass
HSUPA_High_Subtest4	20.12	22.26	33	Pass
HSUPA_High_Subtest5	20.06	22.20	33	Pass

Note:

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

1.Antenna Gain = 2.34dBi;

2.Cable Loss = 0.2dB.

Peak-to-average Ratio(PAR)

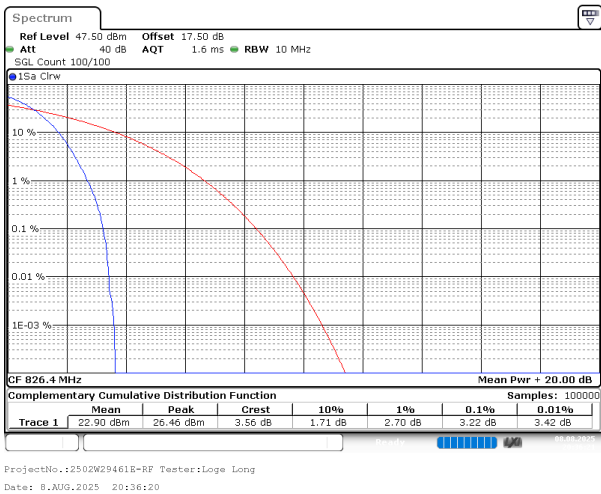
FCC Part 22H

WCDMA Band 5, Normal

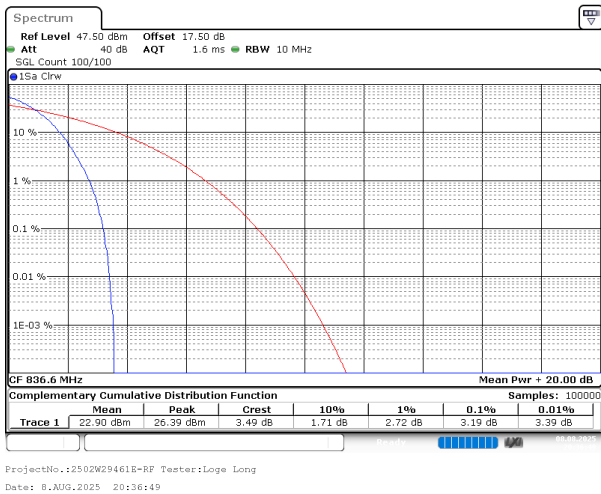
Mode	Result (dB)	Limit (dB)
R99_Low	3.22	13
R99_Middle	3.19	13
R99_High	3.19	13
HSDPA_Low_Subtest1	3.83	13
HSDPA_Middle_Subtest2	3.77	13
HSDPA_High_Subtest1	3.83	13
HSUPA_Low_Subtest1	5.25	13
HSUPA_Middle_Subtest1	5.16	13
HSUPA_High_Subtest1	5.19	13

WCDMA Band 5, Normal

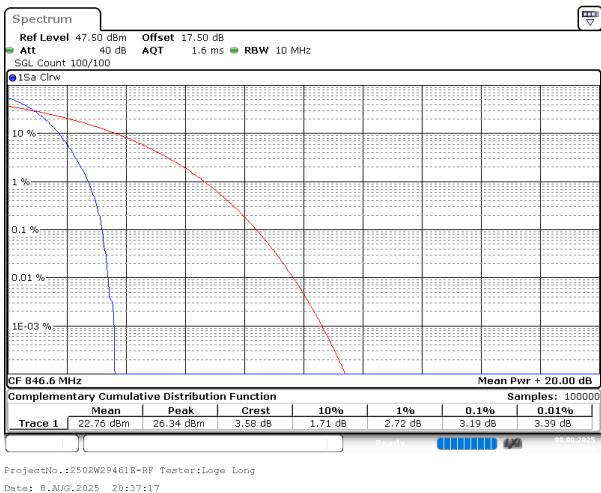
R99_Low



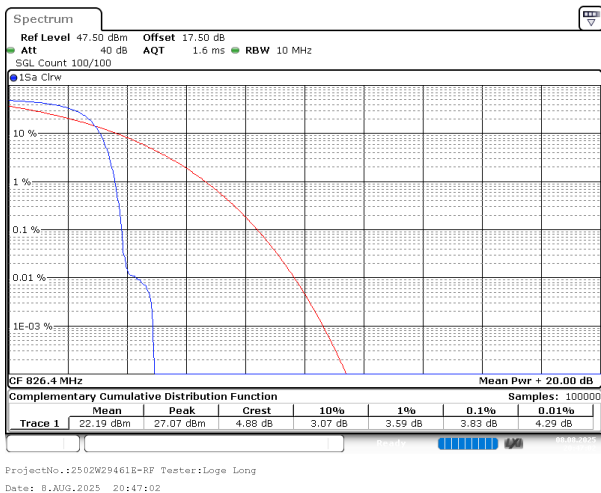
R99_Middle



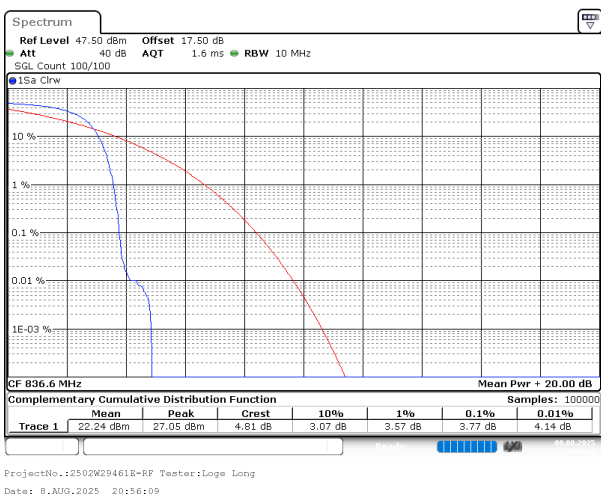
R99_High



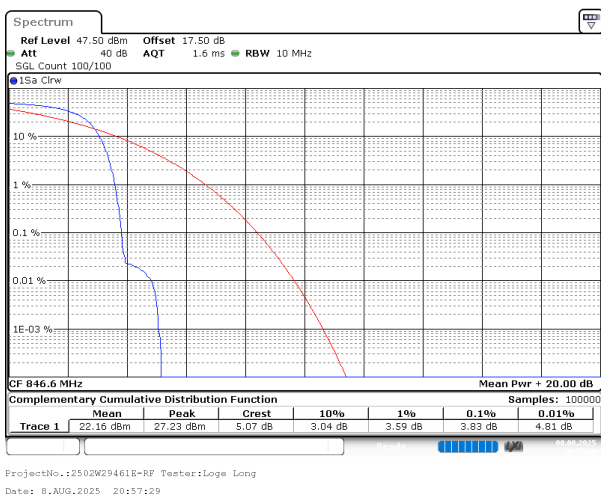
HSDPA_Low_Subtest1



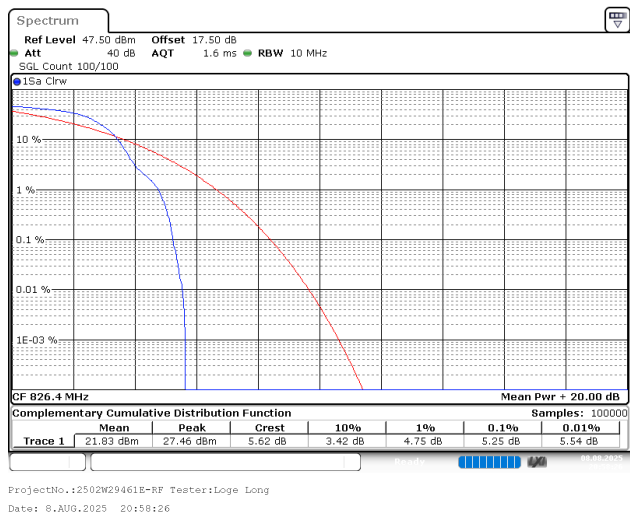
HSDPA_Middle_Subtest2



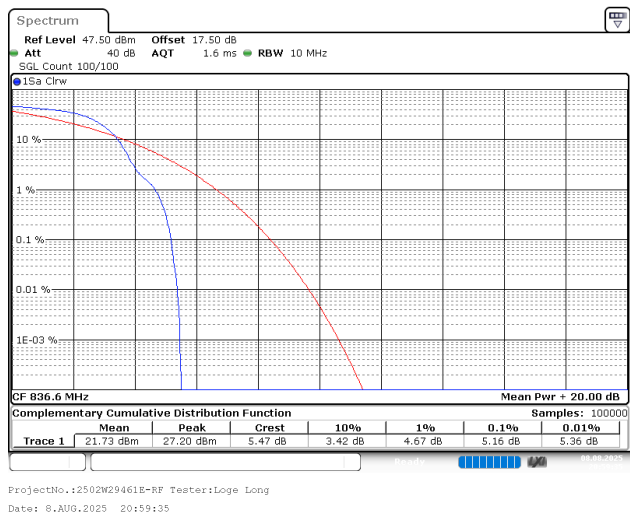
HSDPA_High_Subtest1



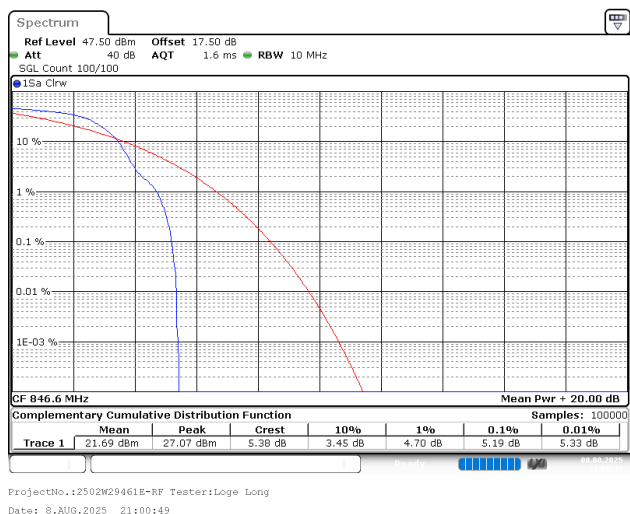
HSUPA_Low_Subtest1



HSUPA_Middle_Subtest1



HSUPA_High_Subtest1



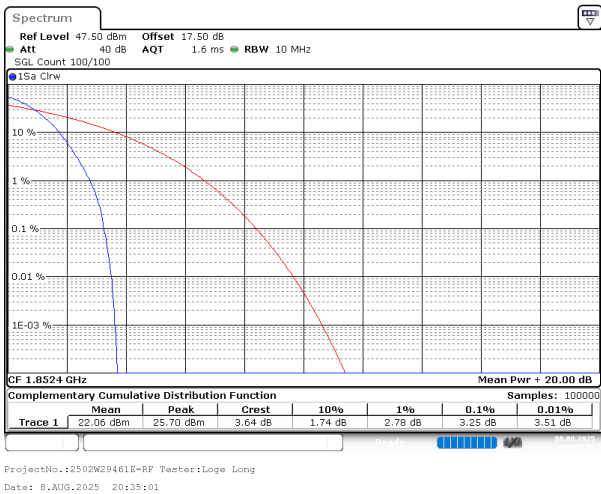
FCC Part 24E

WCDMA Band 2, Normal

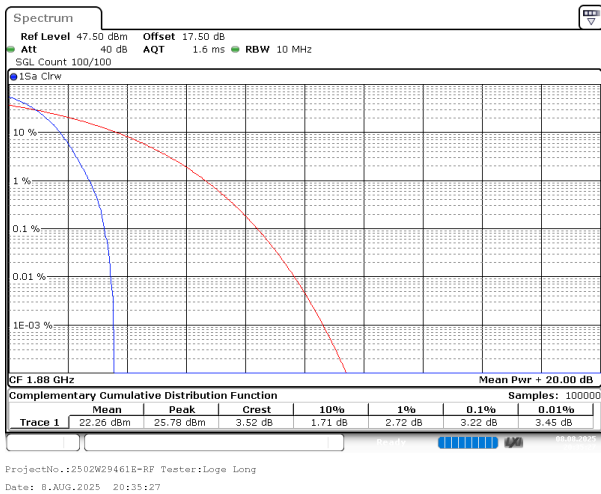
Mode	Result (dB)	Limit (dB)
R99_Low	3.25	13
R99_Middle	3.22	13
R99_High	3.19	13
HSDPA_Low_Subtest1	3.83	13
HSDPA_Middle_Subtest1	3.83	13
HSDPA_High_Subtest1	3.80	13
HSUPA_Low_Subtest1	5.30	13
HSUPA_Middle_Subtest1	5.22	13
HSUPA_High_Subtest1	5.28	13

WCDMA Band 2, Normal

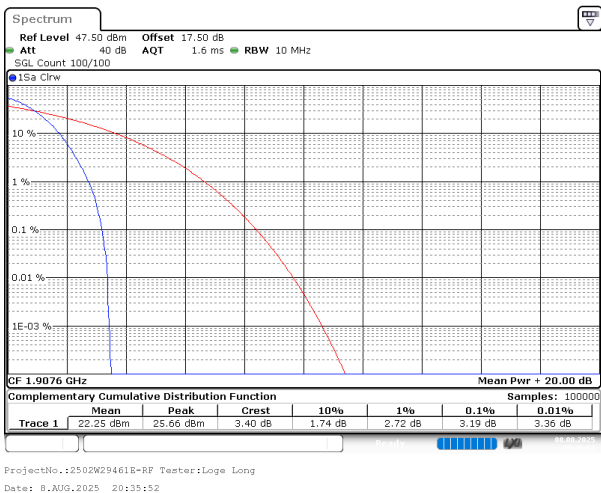
R99_Low



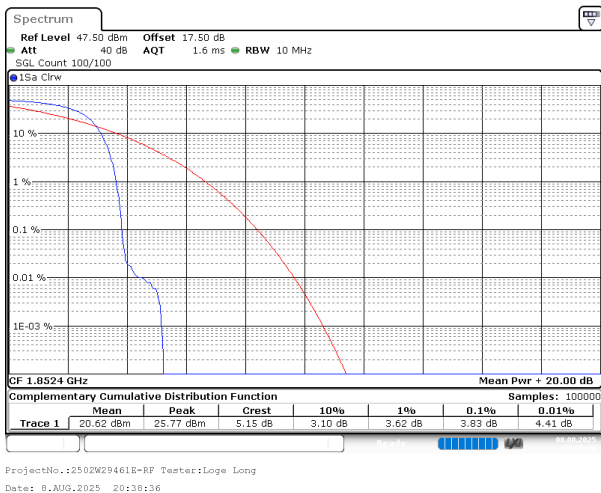
R99_Middle



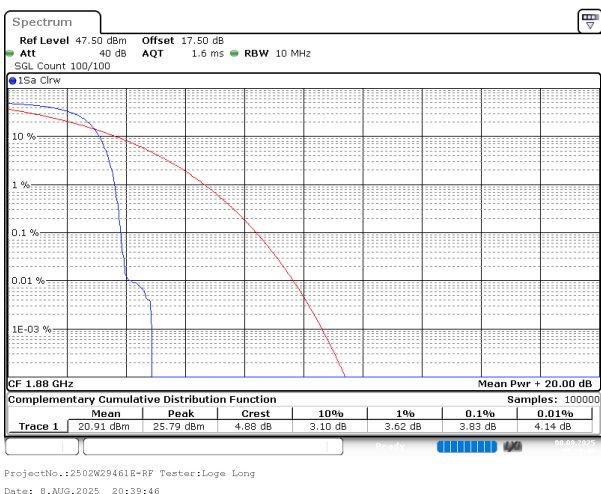
R99_High



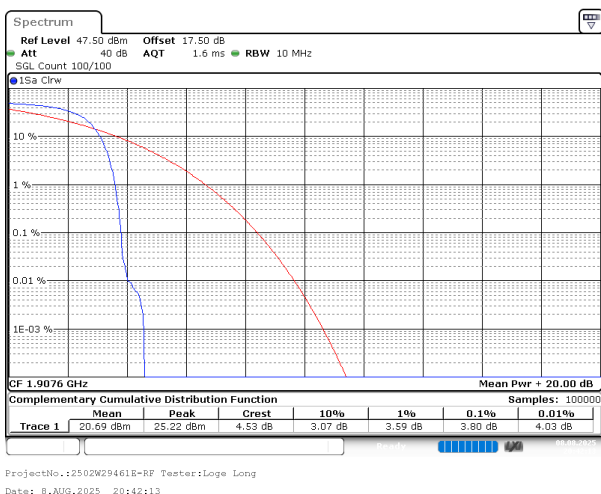
HSDPA_Low_Subtest1



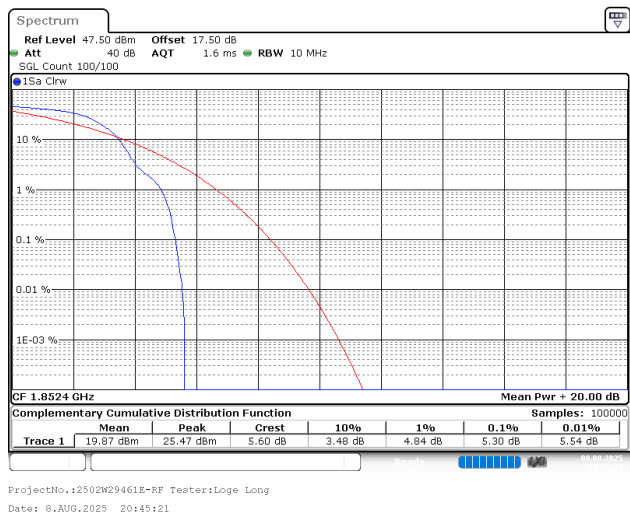
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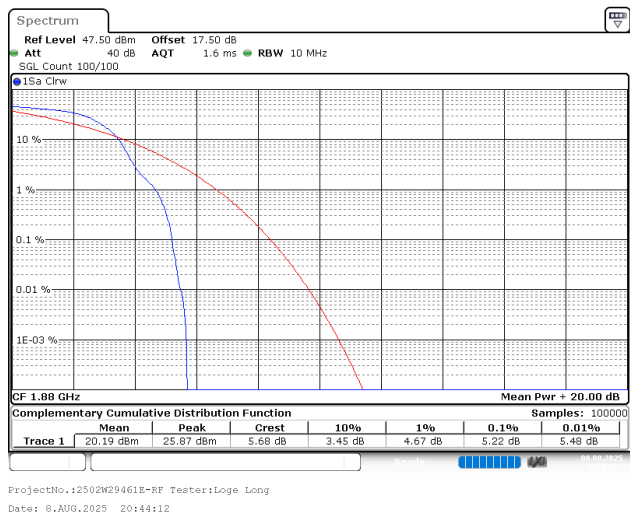
HSDPA_High_Subtest1



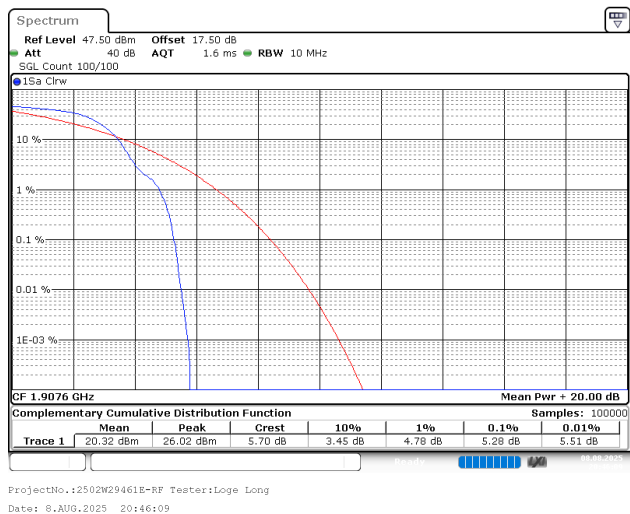
HSUPA_Low_Subtest1



HSUPA_Middle_Subtest1



HSUPA_High_Subtest1

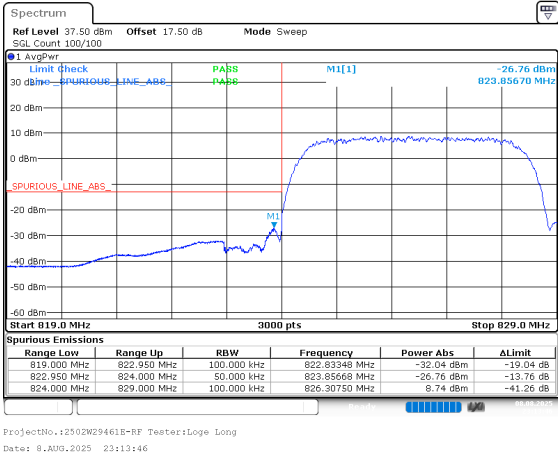


Out of band emission,Band Edge

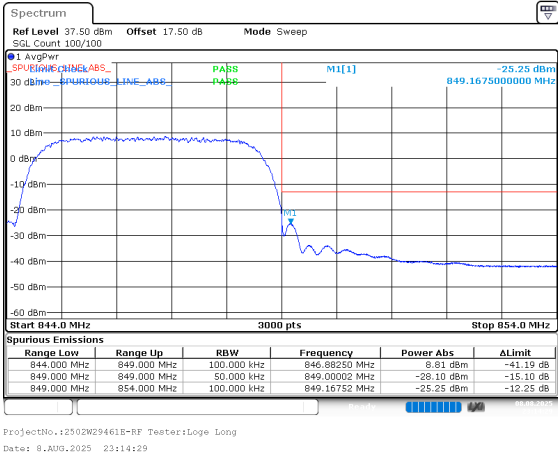
FCC Part 22H

WCDMA Band 5, Normal

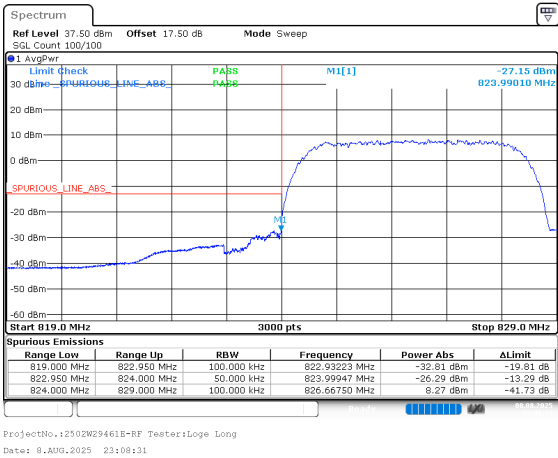
R99_Low



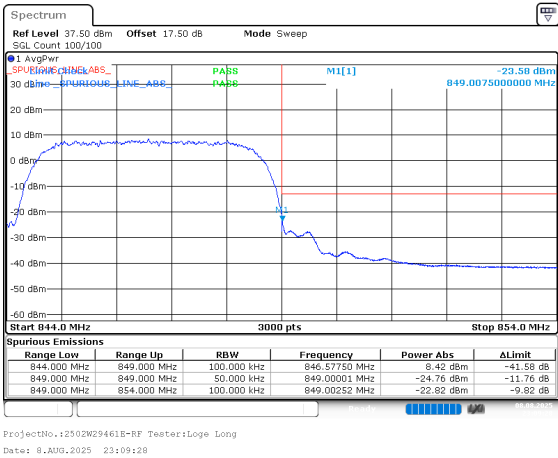
R99_High



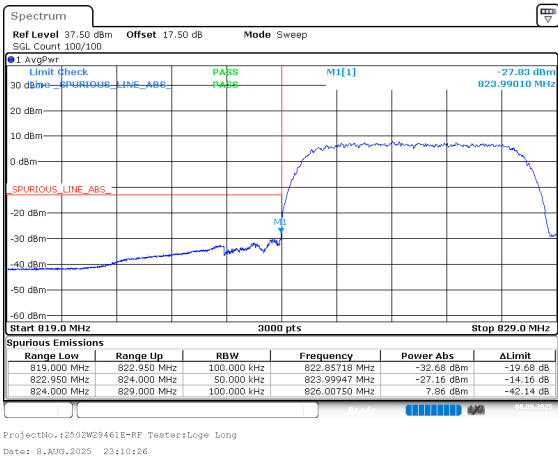
HSDPA_Low_Subtest1



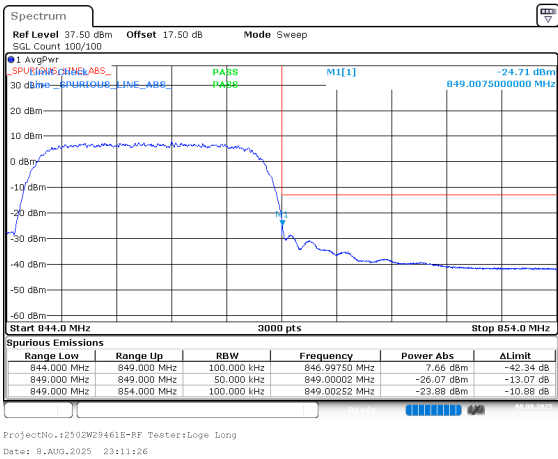
HSDPA_High_Subtest1



HSUPA_Low_Subtest1



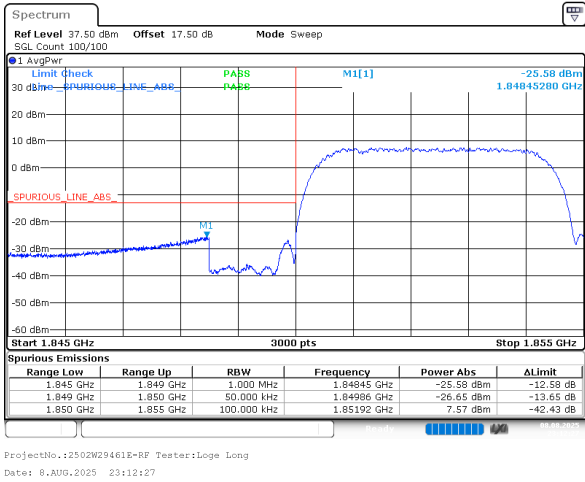
HSUPA_High_Subtest1



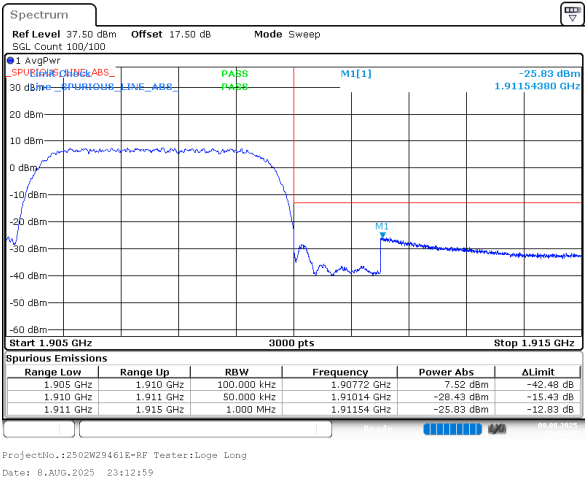
FCC Part 24E

WCDMA Band 2, Normal

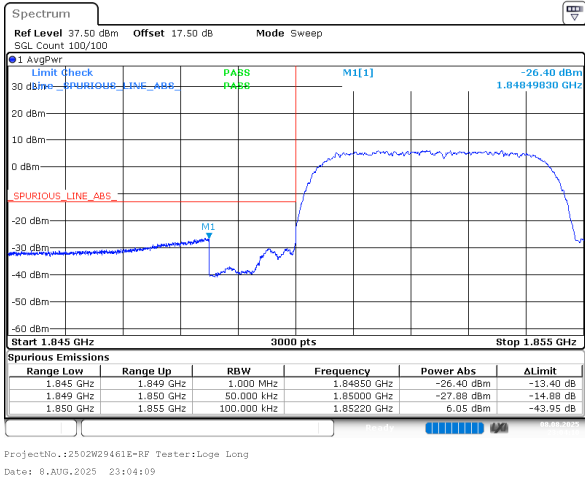
R99_Low



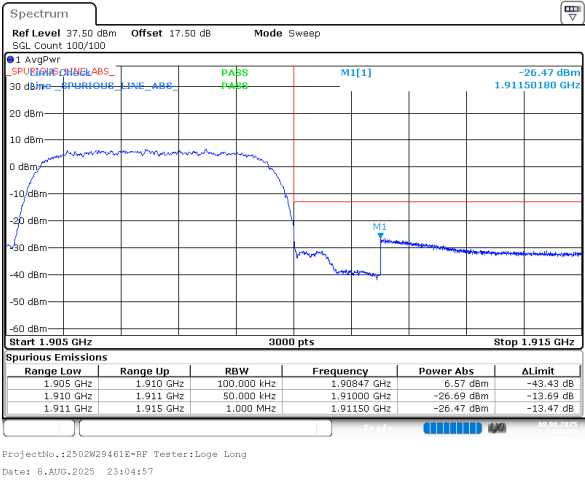
R99_High



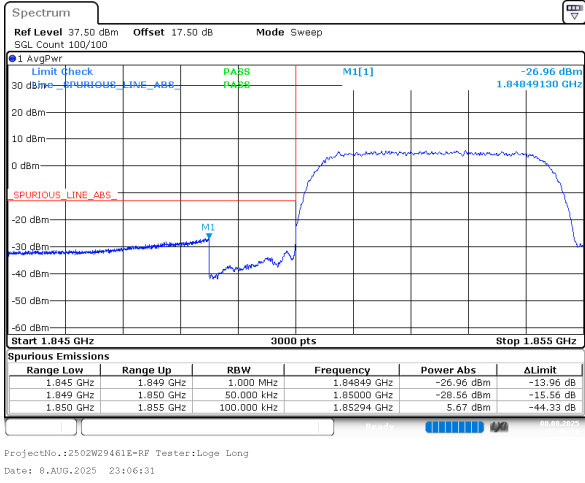
HSDPA_Low_Subtest1



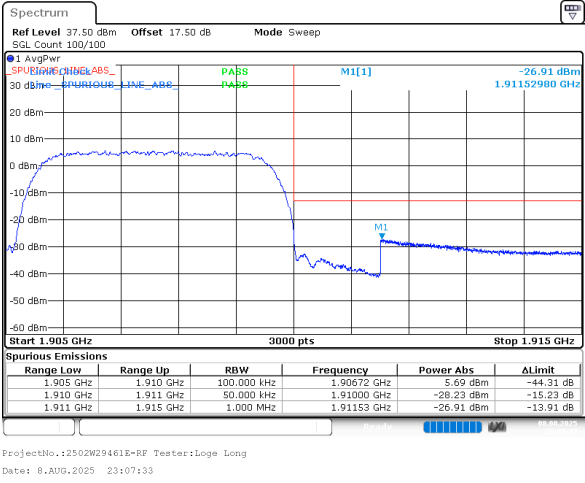
HSDPA_High_Subtest1



HSUPA_Low_Subtest1



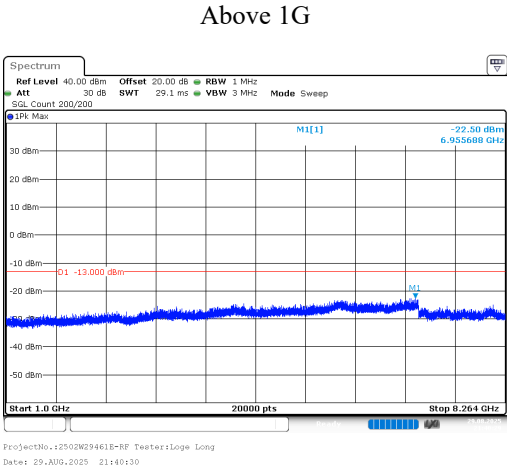
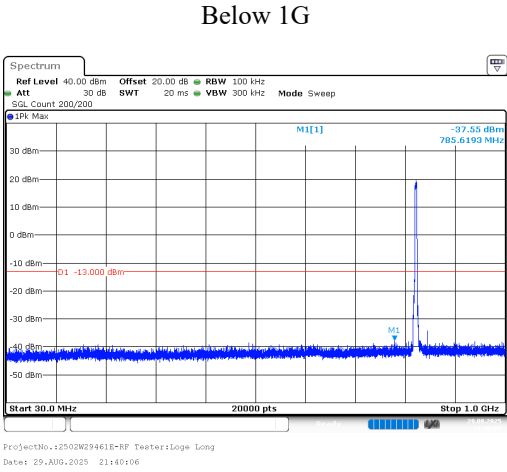
HSUPA_High_Subtest1



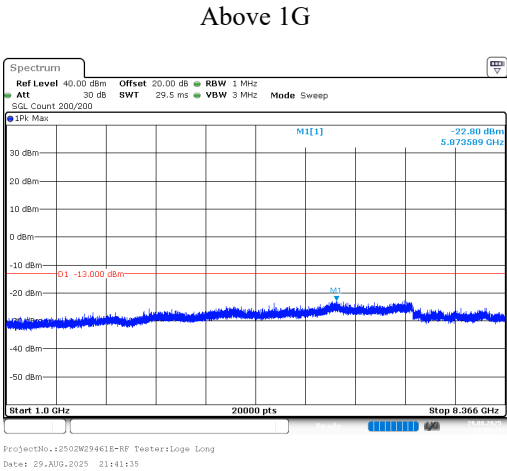
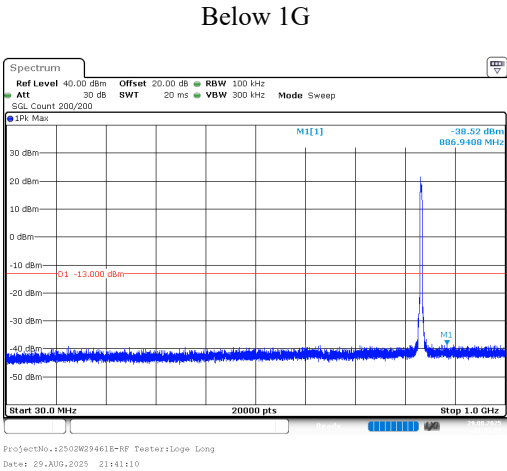
Spurious Emissions at Antenna Terminal

FCC Part 22H
WCDMA Band 5, Normal
Worst case

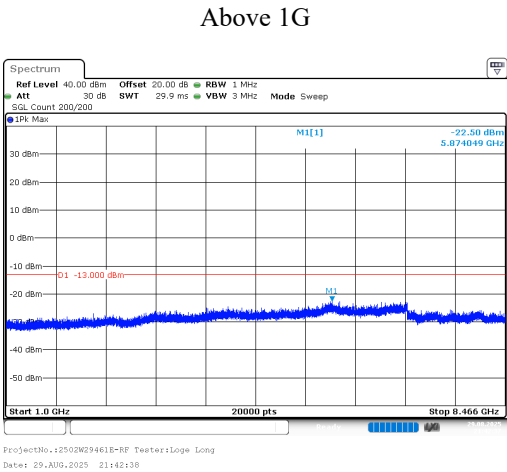
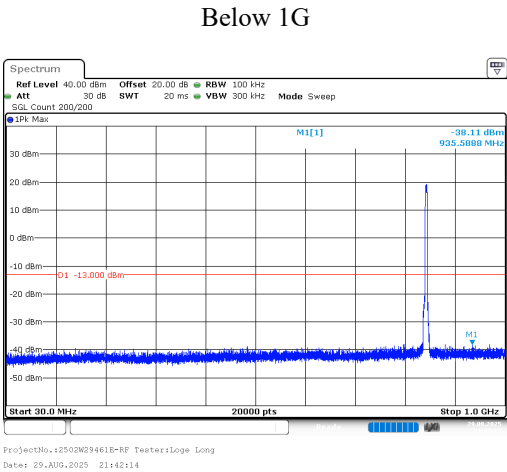
R99_Low



R99_Middle



R99_High

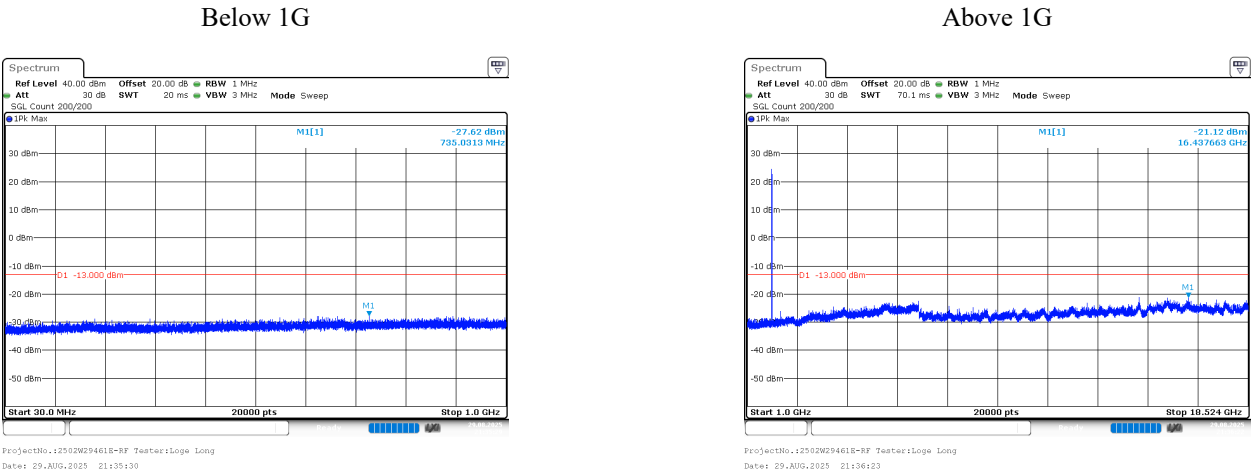


FCC Part 24E

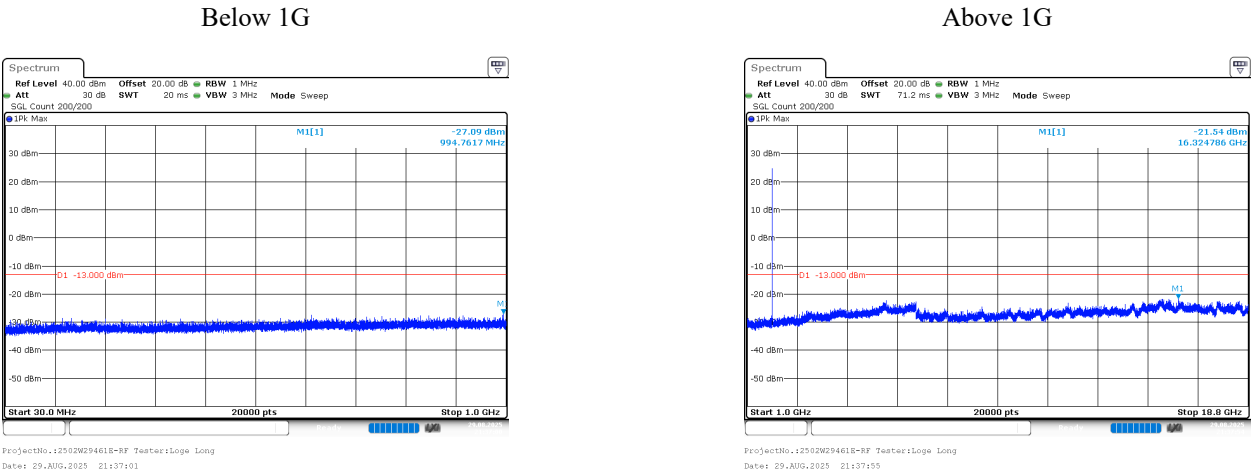
WCDMA Band 2, Normal

Worst case

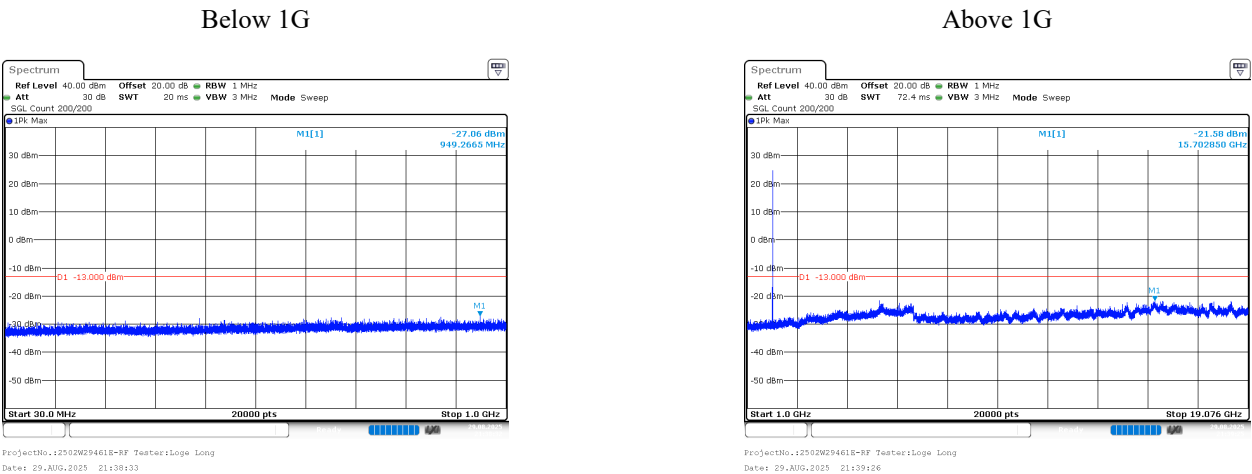
R99_Low



R99_Middle



R99_High



***** END *****