

Appendix B-WCDMA

Test Information:

Sample No.:	31JY-2	Test Date:	2025/05/01~2025/05/15
Test Site:	RF	Test Mode:	Transmitting
Tester:	Len Lin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.1~25.6	Relative Humidity: (%)	49~53	ATM Pressure: (kPa)	100.2~101.3
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RF Output Power

FCC Part 22H

WCDMA Band 5, Normal

Mode	Conducted Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
R99_Low	22.09	15.38	38.45	Pass
R99_Middle	21.92	15.21	38.45	Pass
R99_High	21.86	15.15	38.45	Pass
HSDPA_Low_Subtest1	22.37	15.66	38.45	Pass
HSDPA_Low_Subtest2	22.31	15.60	38.45	Pass
HSDPA_Low_Subtest3	21.37	14.66	38.45	Pass
HSDPA_Low_Subtest4	20.77	14.06	38.45	Pass
HSDPA_Middle_Subtest1	22.60	15.89	38.45	Pass
HSDPA_Middle_Subtest2	22.43	15.72	38.45	Pass
HSDPA_Middle_Subtest3	21.23	14.52	38.45	Pass
HSDPA_Middle_Subtest4	20.63	13.92	38.45	Pass
HSDPA_High_Subtest1	22.21	15.50	38.45	Pass
HSDPA_High_Subtest2	22.39	15.68	38.45	Pass
HSDPA_High_Subtest3	21.34	14.63	38.45	Pass
HSDPA_High_Subtest4	20.71	14.00	38.45	Pass
HSUPA_Low_Subtest1	22.10	15.39	38.45	Pass
HSUPA_Low_Subtest2	21.98	15.27	38.45	Pass
HSUPA_Low_Subtest3	22.03	15.32	38.45	Pass
HSUPA_Low_Subtest4	22.05	15.34	38.45	Pass
HSUPA_Low_Subtest5	22.03	15.32	38.45	Pass
HSUPA_Middle_Subtest1	22.15	15.44	38.45	Pass
HSUPA_Middle_Subtest2	22.09	15.38	38.45	Pass
HSUPA_Middle_Subtest3	22.06	15.35	38.45	Pass
HSUPA_Middle_Subtest4	22.05	15.34	38.45	Pass
HSUPA_Middle_Subtest5	22.12	15.41	38.45	Pass
HSUPA_High_Subtest1	22.03	15.32	38.45	Pass
HSUPA_High_Subtest2	21.98	15.27	38.45	Pass
HSUPA_High_Subtest3	22.03	15.32	38.45	Pass
HSUPA_High_Subtest4	22.05	15.34	38.45	Pass
HSUPA_High_Subtest5	21.95	15.24	38.45	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
HSPA+_Low_Subtest1	21.95	15.24	38.45	Pass
HSPA+_Middle_Subtest1	21.97	15.26	38.45	Pass
HSPA+_High_Subtest1	22.15	15.44	38.45	Pass
DC-HSDPA_Low_Subtest1	21.84	15.13	38.45	Pass
DC-HSDPA_Low_Subtest2	21.87	15.16	38.45	Pass
DC-HSDPA_Low_Subtest3	21.99	15.28	38.45	Pass
DC-HSDPA_Low_Subtest4	21.95	15.24	38.45	Pass
DC-HSDPA_Middle_Subtest1	21.83	15.12	38.45	Pass
DC-HSDPA_Middle_Subtest2	21.85	15.14	38.45	Pass
DC-HSDPA_Middle_Subtest3	21.87	15.16	38.45	Pass
DC-HSDPA_Middle_Subtest4	21.86	15.15	38.45	Pass
DC-HSDPA_High_Subtest1	22.03	15.32	38.45	Pass
DC-HSDPA_High_Subtest2	22.03	15.32	38.45	Pass
DC-HSDPA_High_Subtest3	22.04	15.33	38.45	Pass
DC-HSDPA_High_Subtest4	22.11	15.40	38.45	Pass

Note:

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

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

Band 5:

1.Antenna Gain = -3.56dBi;

2.Cable Loss = 1dB.

FCC Part 24E

WCDMA Band 2, Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
R99_Low	22.79	22.40	33	Pass
R99_Middle	22.80	22.41	33	Pass
R99_High	22.70	22.31	33	Pass
HSDPA_Low_Subtest1	21.77	21.38	33	Pass
HSDPA_Low_Subtest2	22.02	21.63	33	Pass
HSDPA_Low_Subtest3	21.50	21.11	33	Pass
HSDPA_Low_Subtest4	21.27	20.88	33	Pass
HSDPA_Middle_Subtest1	22.34	21.95	33	Pass
HSDPA_Middle_Subtest2	22.27	21.88	33	Pass
HSDPA_Middle_Subtest3	22.01	21.62	33	Pass
HSDPA_Middle_Subtest4	21.55	21.16	33	Pass
HSDPA_High_Subtest1	21.85	21.46	33	Pass
HSDPA_High_Subtest2	21.73	21.34	33	Pass
HSDPA_High_Subtest3	21.39	21.00	33	Pass
HSDPA_High_Subtest4	20.97	20.58	33	Pass
HSUPA_Low_Subtest1	21.42	21.03	33	Pass
HSUPA_Low_Subtest2	21.35	20.96	33	Pass
HSUPA_Low_Subtest3	21.45	21.06	33	Pass
HSUPA_Low_Subtest4	21.39	21.00	33	Pass
HSUPA_Low_Subtest5	21.41	21.02	33	Pass
HSUPA_Middle_Subtest1	21.45	21.06	33	Pass
HSUPA_Middle_Subtest2	21.99	21.60	33	Pass
HSUPA_Middle_Subtest3	21.99	21.60	33	Pass
HSUPA_Middle_Subtest4	21.91	21.52	33	Pass
HSUPA_Middle_Subtest5	21.97	21.58	33	Pass
HSUPA_High_Subtest1	21.66	21.27	33	Pass
HSUPA_High_Subtest2	21.49	21.10	33	Pass
HSUPA_High_Subtest3	21.38	20.99	33	Pass
HSUPA_High_Subtest4	21.56	21.17	33	Pass
HSUPA_High_Subtest5	21.53	21.14	33	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
HSPA+_Low_Subtest1	21.15	20.76	33	Pass
HSPA+_Middle_Subtest1	21.24	20.85	33	Pass
HSPA+_High_Subtest1	21.13	20.74	33	Pass
DC-HSDPA_Low_Subtest1	22.14	21.75	33	Pass
DC-HSDPA_Low_Subtest2	22.17	21.78	33	Pass
DC-HSDPA_Low_Subtest3	22.06	21.67	33	Pass
DC-HSDPA_Low_Subtest4	22.07	21.68	33	Pass
DC-HSDPA_Middle_Subtest1	21.54	21.15	33	Pass
DC-HSDPA_Middle_Subtest2	21.53	21.14	33	Pass
DC-HSDPA_Middle_Subtest3	21.49	21.10	33	Pass
DC-HSDPA_Middle_Subtest4	21.44	21.05	33	Pass
DC-HSDPA_High_Subtest1	21.41	21.02	33	Pass
DC-HSDPA_High_Subtest2	21.66	21.27	33	Pass
DC-HSDPA_High_Subtest3	22.35	21.96	33	Pass
DC-HSDPA_High_Subtest4	22.61	22.22	33	Pass

Note:
EIRP = Conducted Power(dBm) + Antenna Gain(dBi) - Cable Loss(dB)
Band 2:
1.Antenna Gain = 0.61dBi;
2.Cable Loss = 1dB.

FCC Part 27

WCDMA Band 4, Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
R99_Low	20.66	17.79	30	Pass
R99_Middle	21.10	18.23	30	Pass
R99_High	20.72	17.85	30	Pass
HSDPA_Low_Subtest1	20.24	17.37	30	Pass
HSDPA_Low_Subtest2	20.59	17.72	30	Pass
HSDPA_Low_Subtest3	21.06	18.19	30	Pass
HSDPA_Low_Subtest4	20.97	18.10	30	Pass
HSDPA_Middle_Subtest1	20.88	18.01	30	Pass
HSDPA_Middle_Subtest2	20.73	17.86	30	Pass
HSDPA_Middle_Subtest3	21.54	18.67	30	Pass
HSDPA_Middle_Subtest4	21.55	18.68	30	Pass
HSDPA_High_Subtest1	20.86	17.99	30	Pass
HSDPA_High_Subtest2	21.20	18.33	30	Pass
HSDPA_High_Subtest3	22.06	19.19	30	Pass
HSDPA_High_Subtest4	21.92	19.05	30	Pass
HSUPA_Low_Subtest1	21.47	18.60	30	Pass
HSUPA_Low_Subtest2	21.37	18.50	30	Pass
HSUPA_Low_Subtest3	21.15	18.28	30	Pass
HSUPA_Low_Subtest4	21.18	18.31	30	Pass
HSUPA_Low_Subtest5	21.31	18.44	30	Pass
HSUPA_Middle_Subtest1	20.34	17.47	30	Pass
HSUPA_Middle_Subtest2	20.23	17.36	30	Pass
HSUPA_Middle_Subtest3	20.23	17.36	30	Pass
HSUPA_Middle_Subtest4	20.19	17.32	30	Pass
HSUPA_Middle_Subtest5	20.11	17.24	30	Pass
HSUPA_High_Subtest1	20.22	17.35	30	Pass
HSUPA_High_Subtest2	20.27	17.40	30	Pass
HSUPA_High_Subtest3	20.22	17.35	30	Pass
HSUPA_High_Subtest4	20.27	17.40	30	Pass
HSUPA_High_Subtest5	20.32	17.45	30	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
HSPA+_Low_Subtest1	21.63	18.76	30	Pass
HSPA+_Middle_Subtest1	21.33	18.46	30	Pass
HSPA+_High_Subtest1	21.41	18.54	30	Pass
DC-HSDPA_Low_Subtest1	21.12	18.25	30	Pass
DC-HSDPA_Low_Subtest2	21.17	18.30	30	Pass
DC-HSDPA_Low_Subtest3	21.16	18.29	30	Pass
DC-HSDPA_Low_Subtest4	21.10	18.23	30	Pass
DC-HSDPA_Middle_Subtest1	21.35	18.48	30	Pass
DC-HSDPA_Middle_Subtest2	21.64	18.77	30	Pass
DC-HSDPA_Middle_Subtest3	21.74	18.87	30	Pass
DC-HSDPA_Middle_Subtest4	21.77	18.90	30	Pass
DC-HSDPA_High_Subtest1	21.45	18.58	30	Pass
DC-HSDPA_High_Subtest2	21.49	18.62	30	Pass
DC-HSDPA_High_Subtest3	21.47	18.60	30	Pass
DC-HSDPA_High_Subtest4	21.69	18.82	30	Pass

Note:
EIRP = Conducted Power(dBm) + Antenna Gain(dBi) - Cable Loss(dB)
Band 4:
1.Antenna Gain = -1.87dBi;
2.Cable Loss = 1dB.

Peak-to-average Ratio(PAR)

FCC Part 22H

WCDMA Band 5, Normal

Mode	Result (dB)	Limit (dB)
R99_Low	2.99	13
R99_Middle	2.99	13
R99_High	3.19	13
HSDPA_Low_Subtest1	3.65	13
HSDPA_Middle_Subtest2	3.62	13
HSDPA_High_Subtest1	3.54	13
HSUPA_Low_Subtest1	4.93	13
HSUPA_Middle_Subtest1	4.72	13
HSUPA_High_Subtest1	4.70	13

FCC Part 24E

WCDMA Band 2, Normal

Mode	Result (dB)	Limit (dB)
R99_Low	2.90	13
R99_Middle	2.96	13
R99_High	3.01	13
HSDPA_Low_Subtest1	3.59	13
HSDPA_Middle_Subtest1	4.41	13
HSDPA_High_Subtest1	3.71	13
HSUPA_Low_Subtest1	4.78	13
HSUPA_Middle_Subtest1	4.87	13
HSUPA_High_Subtest1	8.46	13

FCC Part 27

WCDMA Band 4, Normal

Mode	Result (dB)	Limit (dB)
R99_Low	2.99	13
R99_Middle	2.90	13
R99_High	2.87	13
HSDPA_Low_Subtest1	3.71	13
HSDPA_Middle_Subtest1	3.68	13
HSDPA_High_Subtest1	3.57	13
HSUPA_Low_Subtest1	4.81	13
HSUPA_Middle_Subtest1	4.75	13
HSUPA_High_Subtest1	4.43	13

Occupied Bandwidth

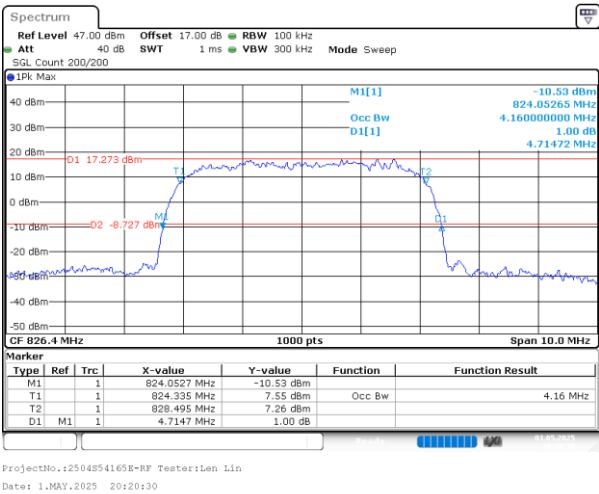
FCC Part 22H

WCDMA Band 5, Normal

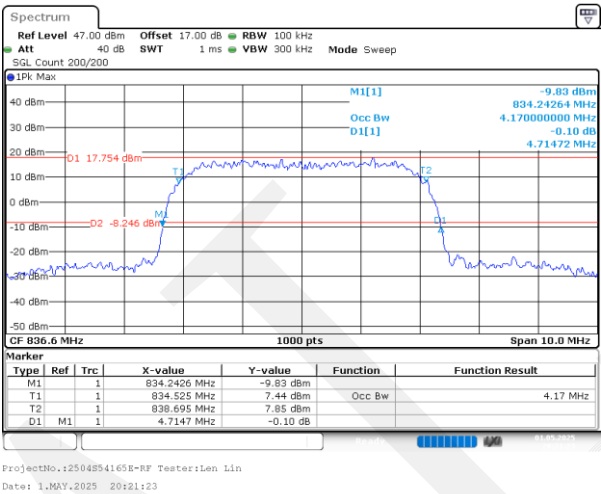
Mode	99% OBW (MHz)	26dB BW (MHz)
R99_Low	4.160	4.715
R99_Middle	4.170	4.715
R99_High	4.180	4.715
HSDPA_Low_Subtest1	4.130	4.685
HSDPA_Middle_Subtest1	4.160	4.705
HSDPA_High_Subtest1	4.150	4.705
HSUPA_Low_Subtest1	4.180	4.665
HSUPA_Middle_Subtest1	4.160	4.675
HSUPA_High_Subtest1	4.140	4.695

WCDMA Band 5, Normal

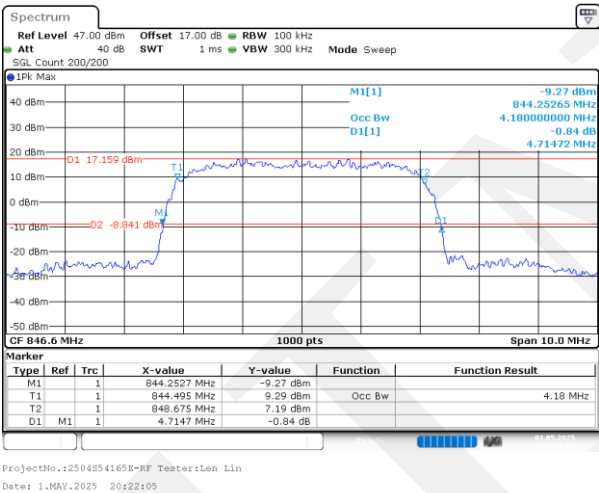
R99_Low



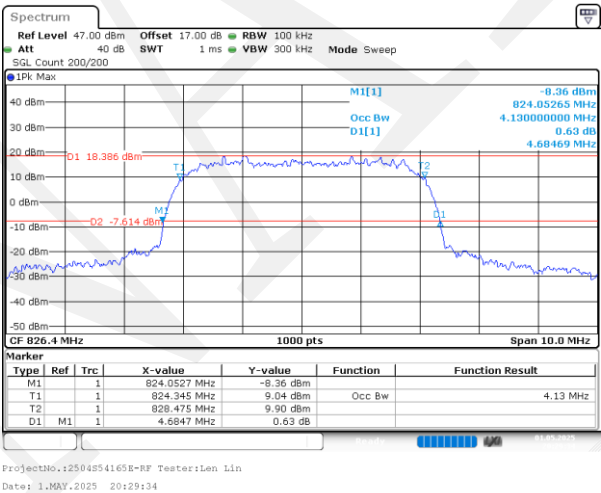
R99_Middle



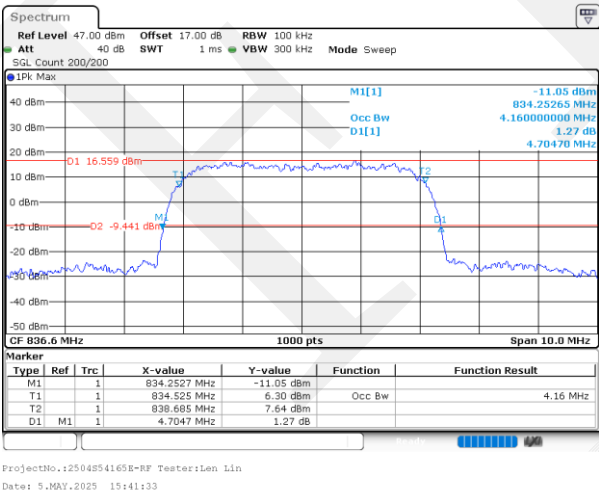
R99_High



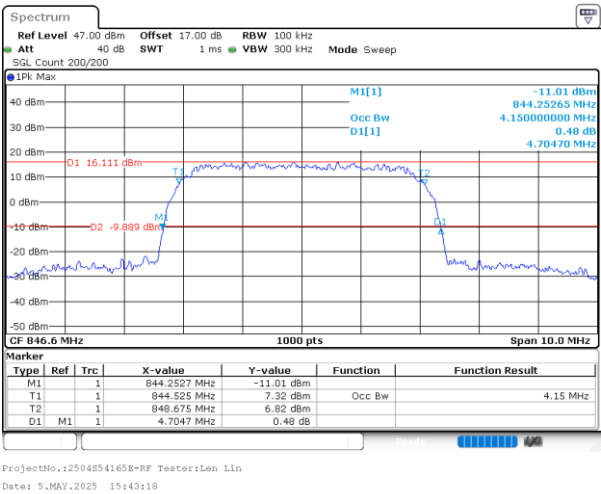
HSDPA_Low_Subtest1



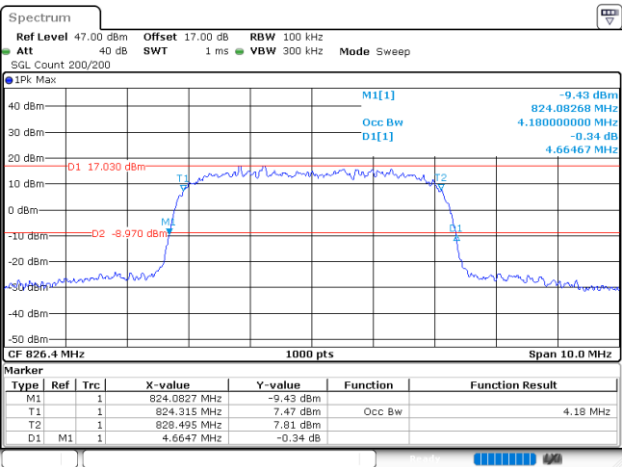
HSDPA_Middle_Subtest1



HSDPA_High_Subtest1

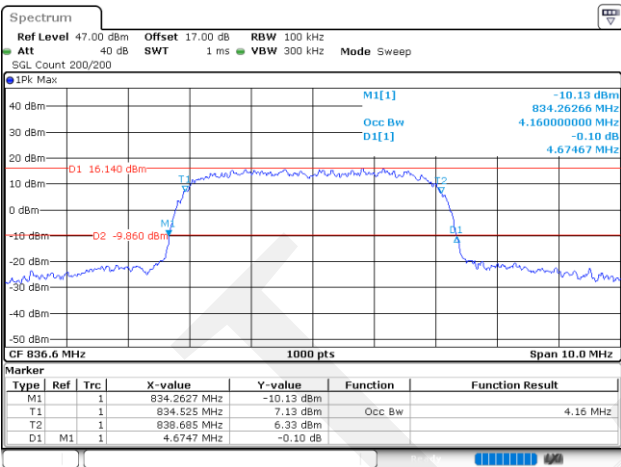


HSUPA_Low_Subtest1



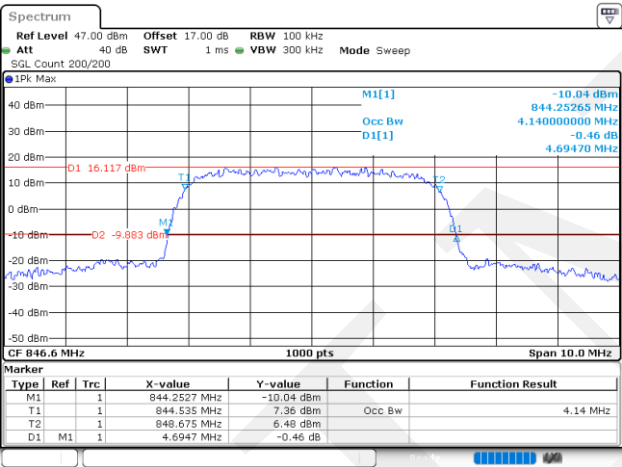
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Date: 5.MAY.2025 15:50:32

HSUPA_Middle_Subtest1



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 5.MAY.2025 15:56:16

HSUPA_High_Subtest1



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Date: 5.MAY.2025 15:58:04

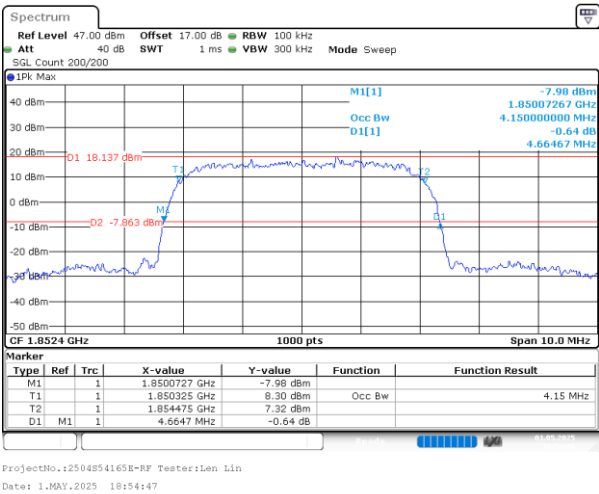
FCC Part 24E

WCDMA Band 2, Normal

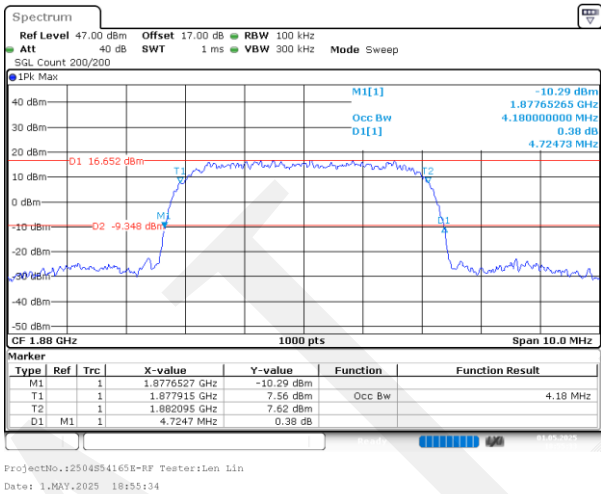
Mode	99% OBW (MHz)	26dB BW (MHz)
R99_Low	4.150	4.665
R99_Middle	4.180	4.725
R99_High	4.140	4.695
HSDPA_Low_Subtest1	4.150	4.705
HSDPA_Middle_Subtest1	4.170	4.685
HSDPA_High_Subtest1	4.150	4.655
HSUPA_Low_Subtest1	4.160	4.685
HSUPA_Middle_Subtest1	4.160	4.655
HSUPA_High_Subtest1	4.130	4.695

WCDMA Band 2, Normal

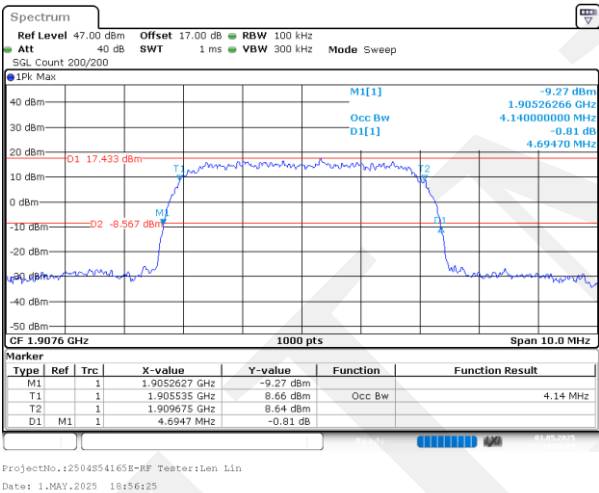
R99_Low



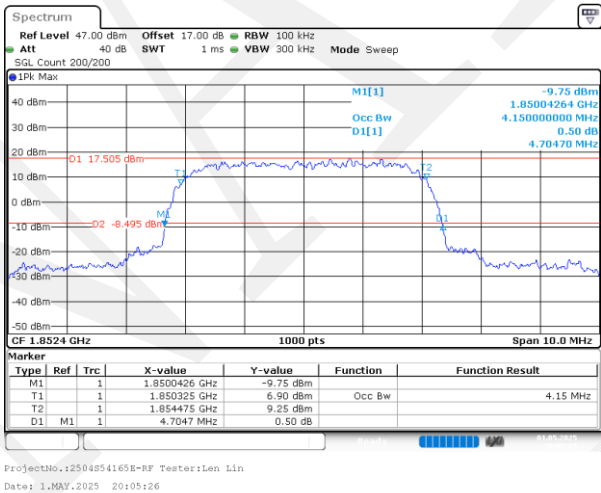
R99_Middle



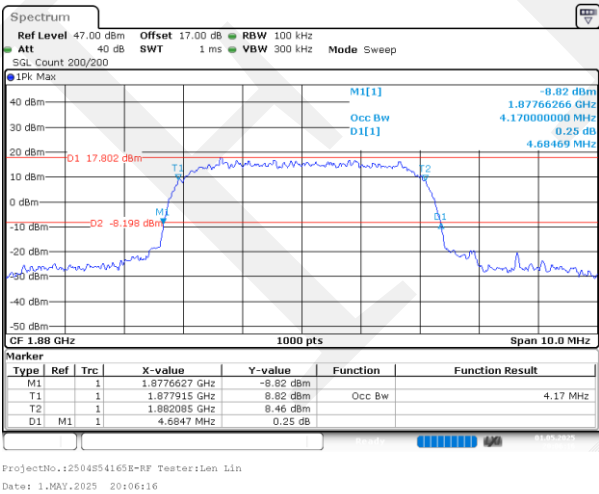
R99_High



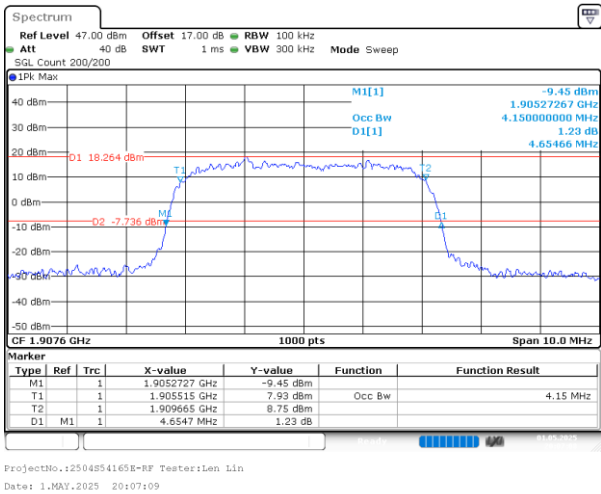
HSDPA_Low_Subtest1



HSDPA_Middle_Subtest1

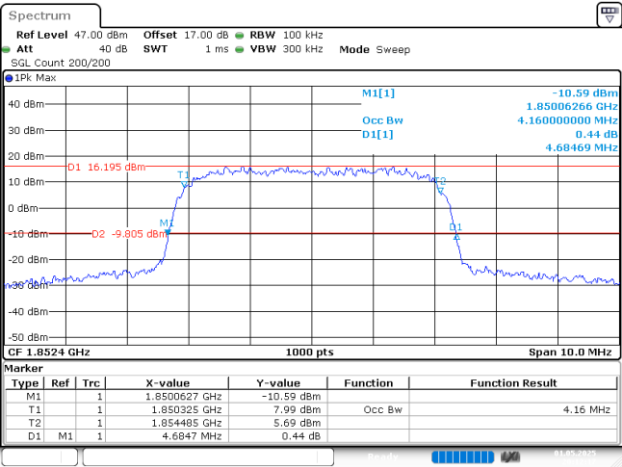


HSDPA_High_Subtest1

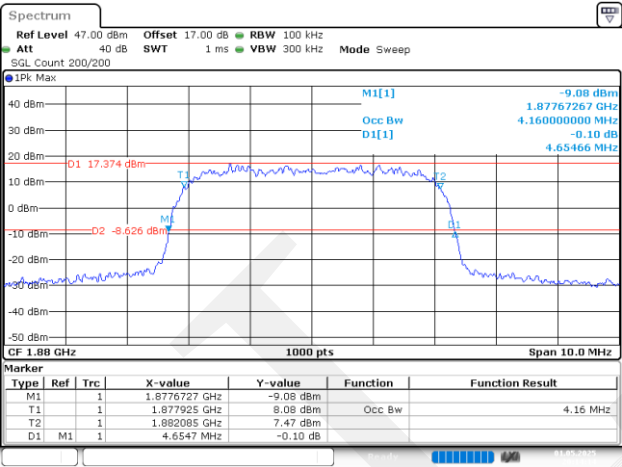


HSUPA_Low_Subtest1

HSUPA_Middle_Subtest1

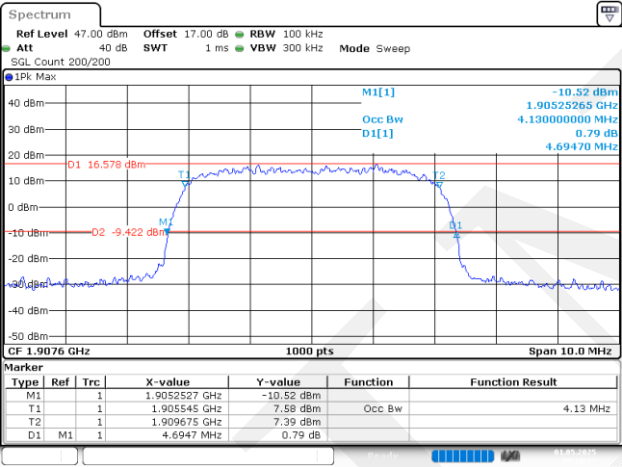


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Date: 1.MAY.2025 20:12:17



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 1.MAY.2025 20:14:15

HSUPA_High_Subtest1



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 1.MAY.2025 20:16:37

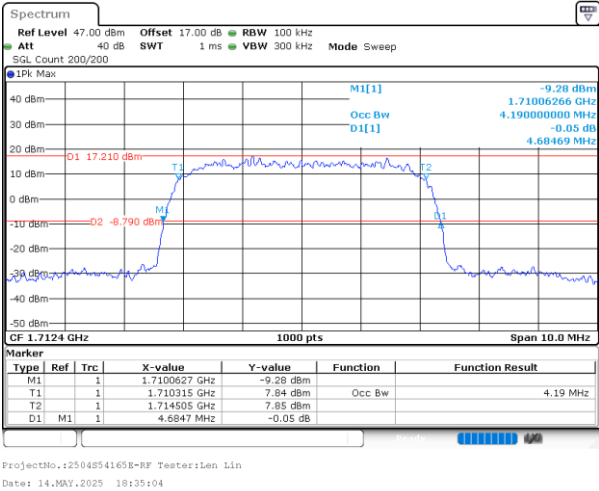
FCC Part 27

WCDMA Band 4, Normal

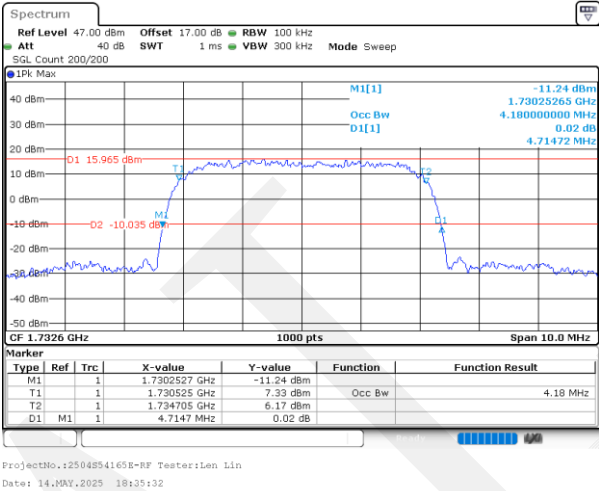
Mode	99% OBW (MHz)	26dB BW (MHz)
R99_Low	4.190	4.685
R99_Middle	4.180	4.715
R99_High	4.150	4.665
HSDPA_Low_Subtest1	4.160	4.685
HSDPA_Middle_Subtest1	4.160	4.715
HSDPA_High_Subtest1	4.160	4.695
HSUPA_Low_Subtest1	4.160	4.685
HSUPA_Middle_Subtest1	4.180	4.695
HSUPA_High_Subtest1	4.160	4.675

WCDMA Band 4, Normal

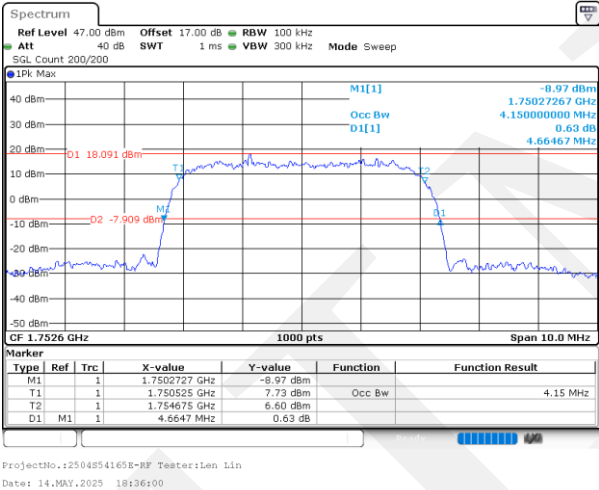
R99_Low



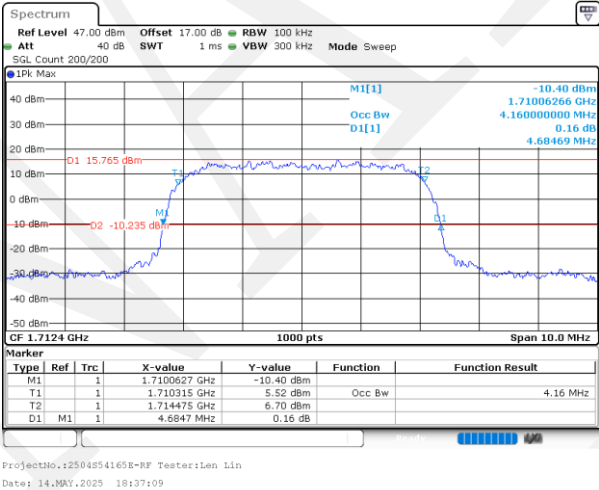
R99_Middle



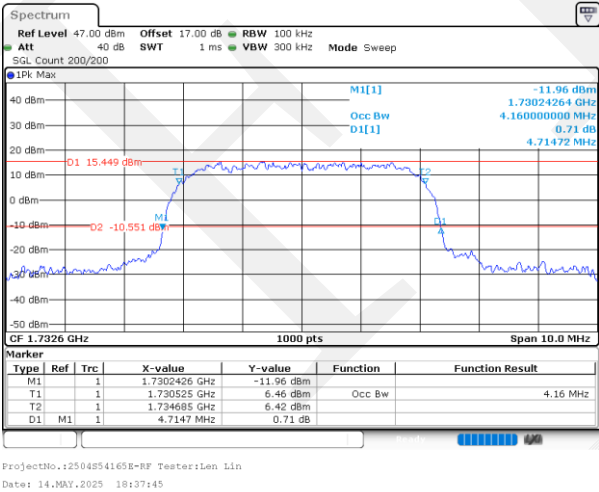
R99_High



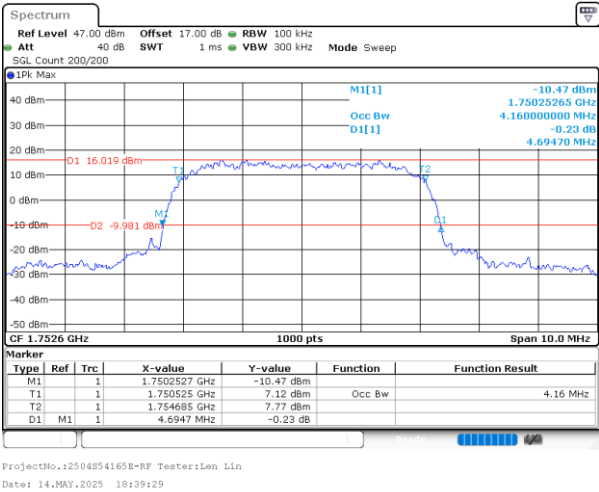
HSDPA_Low_Subtest1



HSDPA_Middle_Subtest1

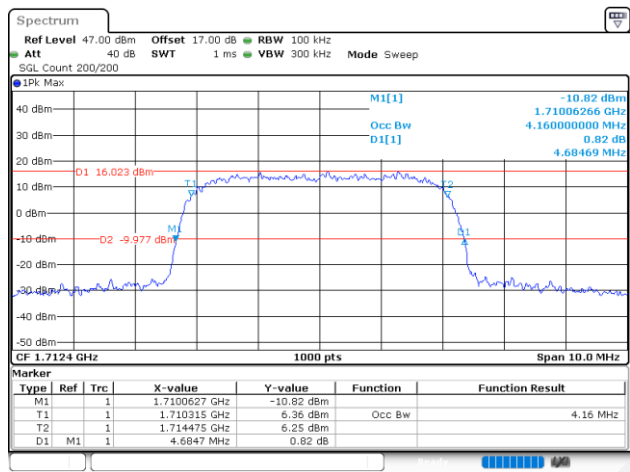


HSDPA_High_Subtest1

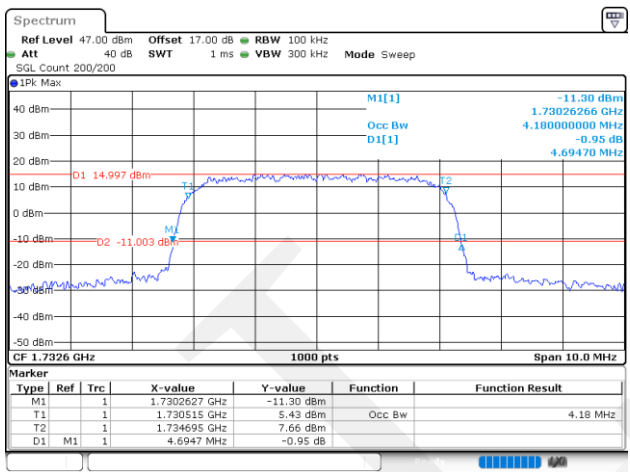


HSUPA_Low_Subtest1

HSUPA_Middle_Subtest1

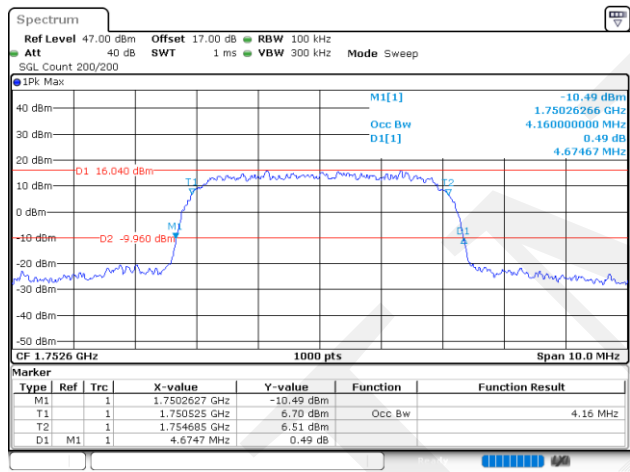


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Date: 14.MAY.2025 18:41:13



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 14.MAY.2025 18:43:26

HSUPA_High_Subtest1



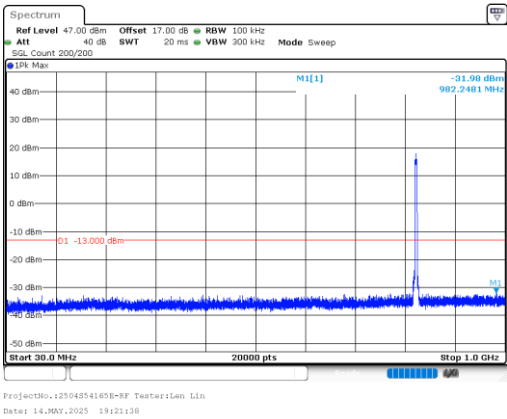
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Spurious Emissions at Antenna Terminal

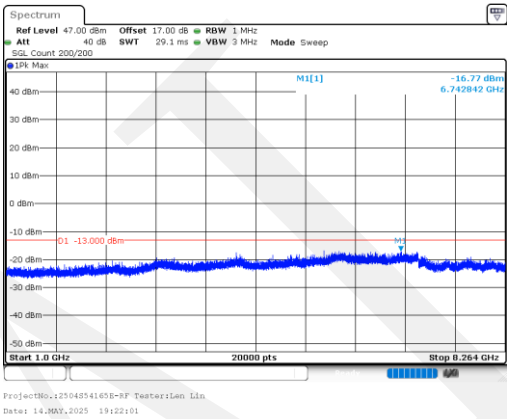
FCC Part 22H
WCDMA Band 5, Normal
Worst case

R99_Low

Below 1G

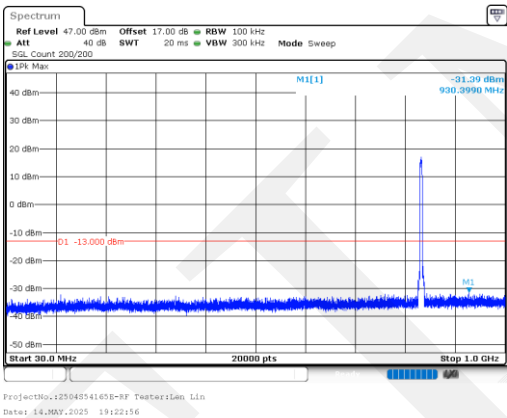


Above 1G

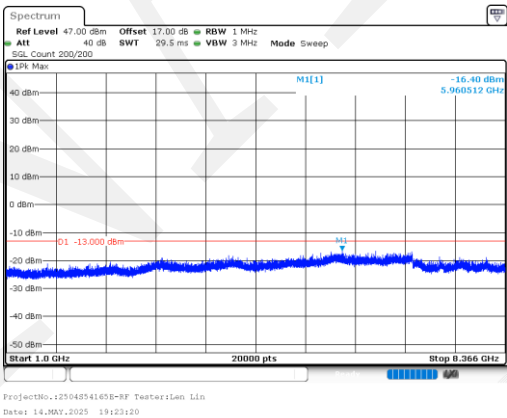


R99_Middle

Below 1G

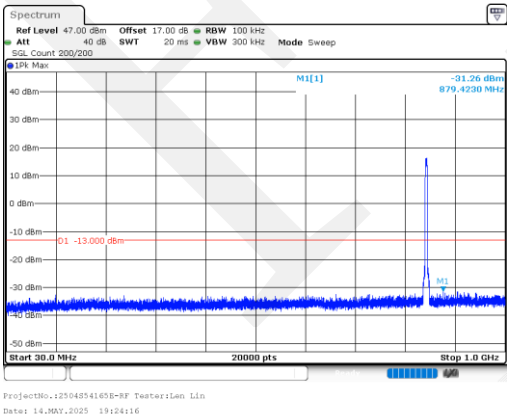


Above 1G

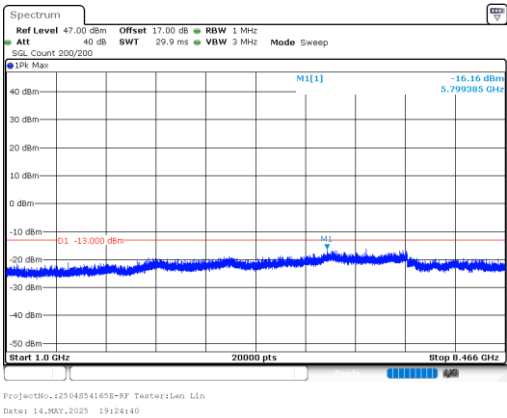


R99_High

Below 1G

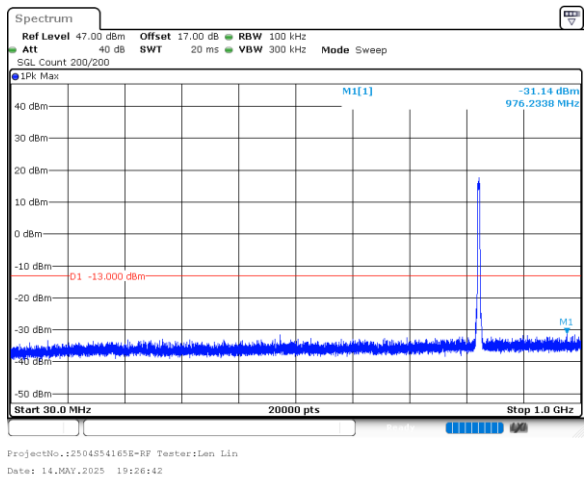


Above 1G

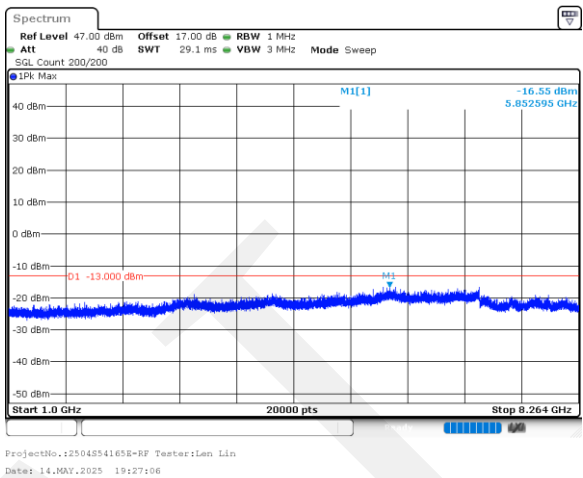


HSDPA_Low_Subtest1

Below 1G

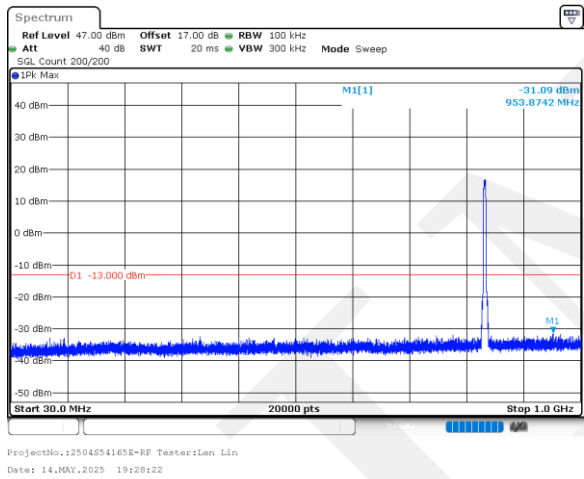


Above 1G

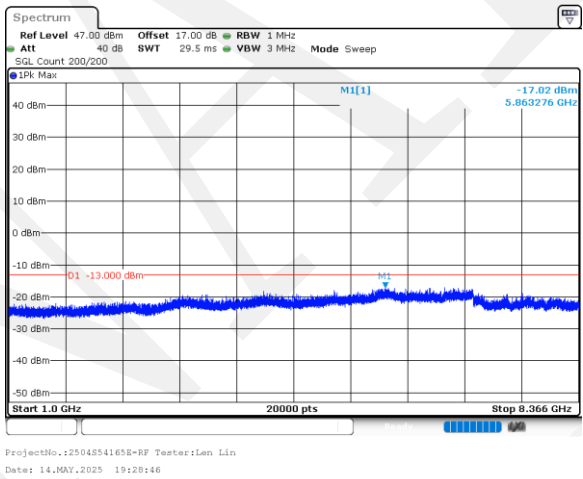


HSDPA_Middle_Subtest1

Below 1G

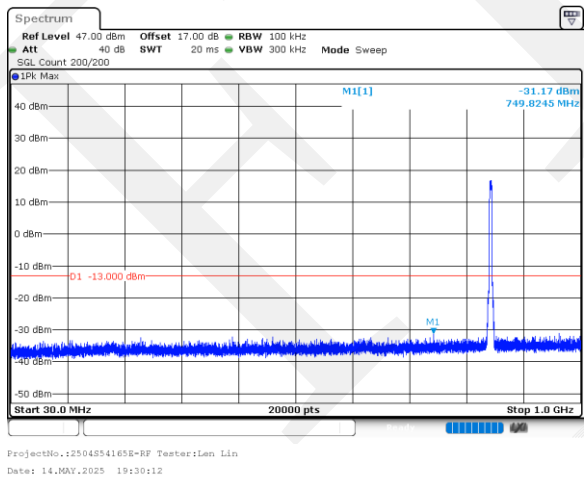


Above 1G

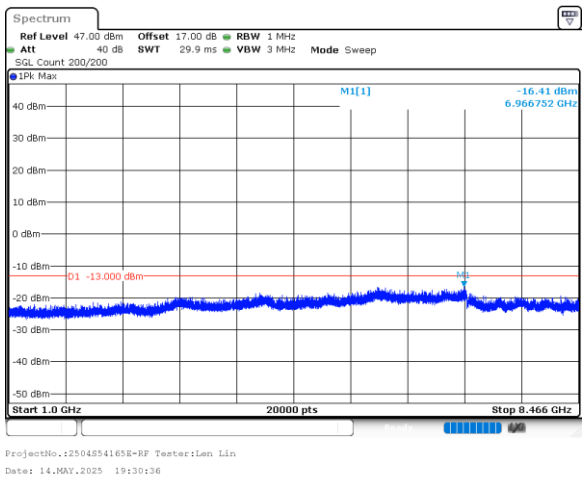


HSDPA_High_Subtest1

Below 1G

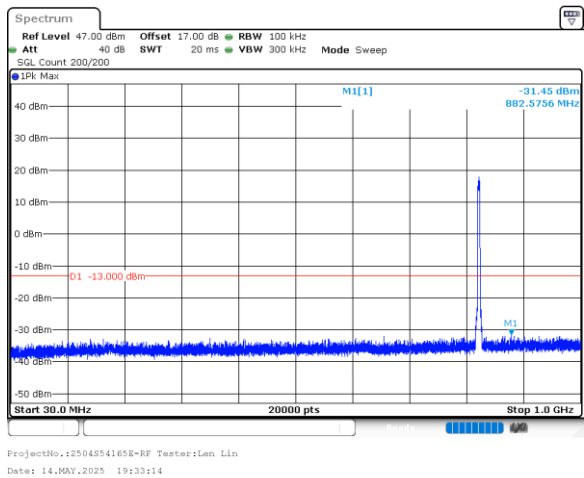


Above 1G

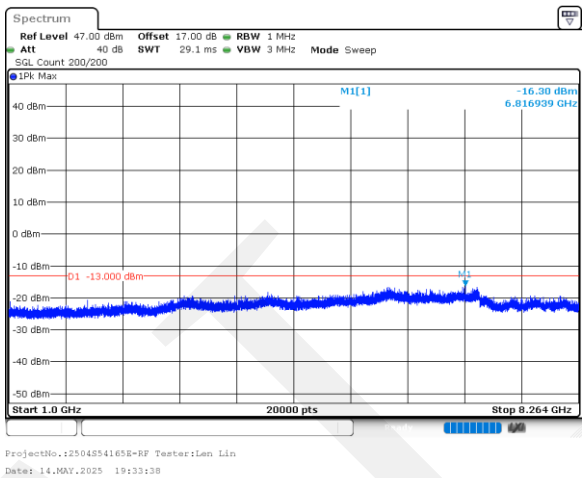


HSUPA_Low_Subtest1

Below 1G

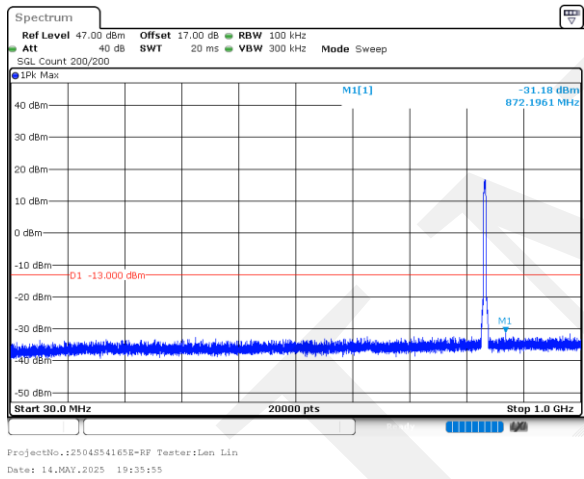


Above 1G

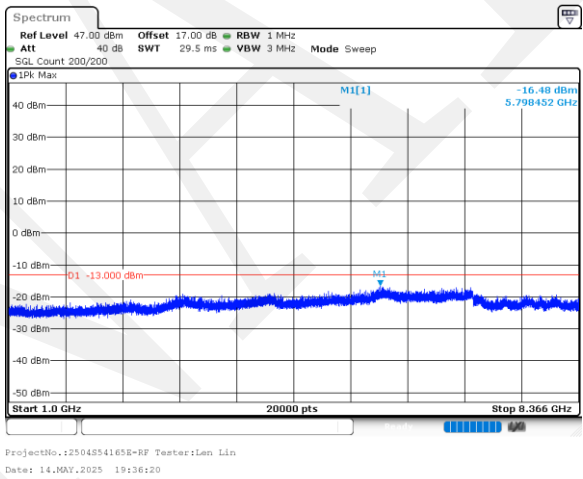


HSUPA_Middle_Subtest1

Below 1G

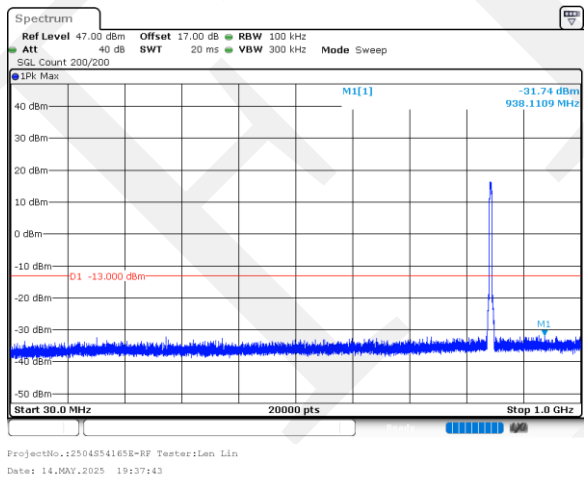


Above 1G

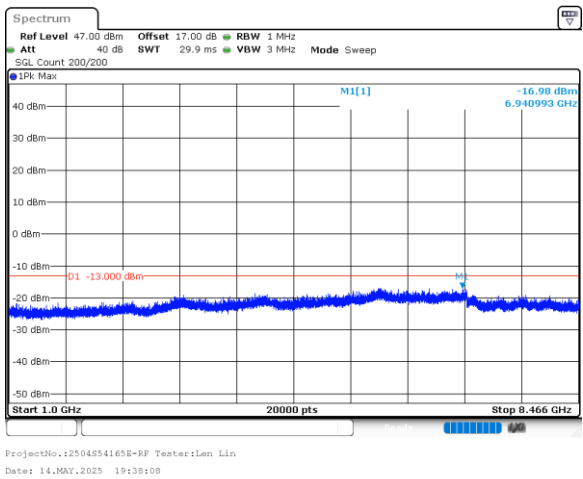


HSUPA_High_Subtest1

Below 1G



Above 1G

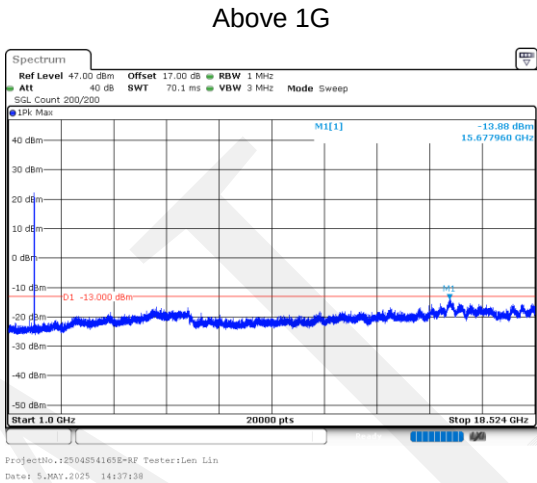
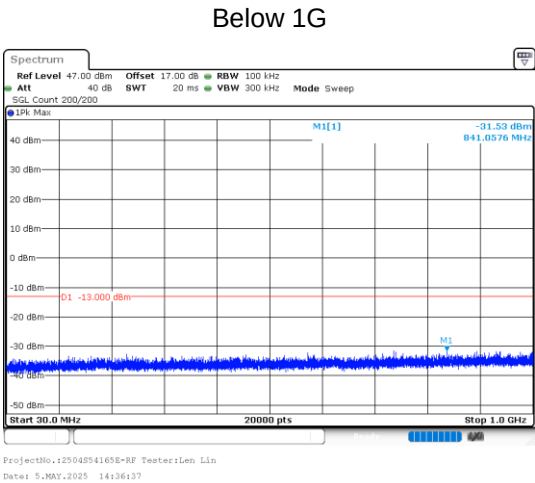


FCC Part 24E

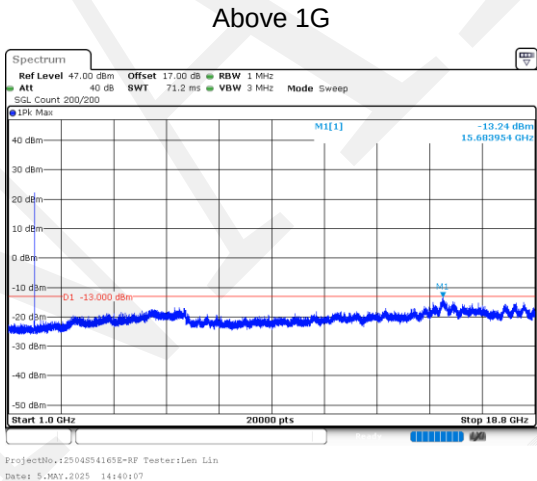
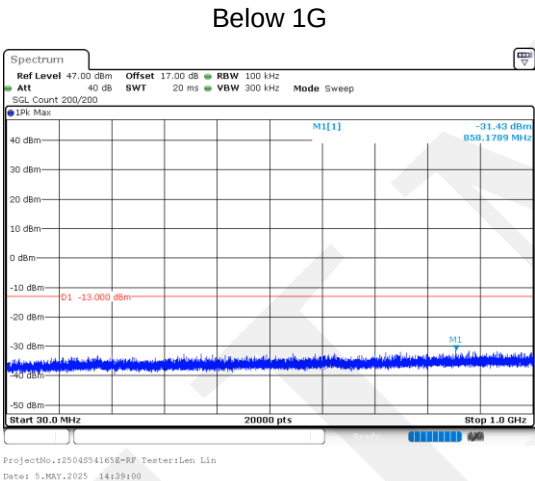
WCDMA Band 2, Normal

Worst case

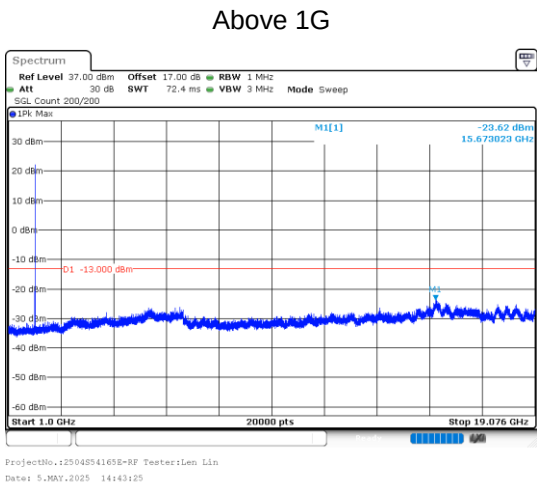
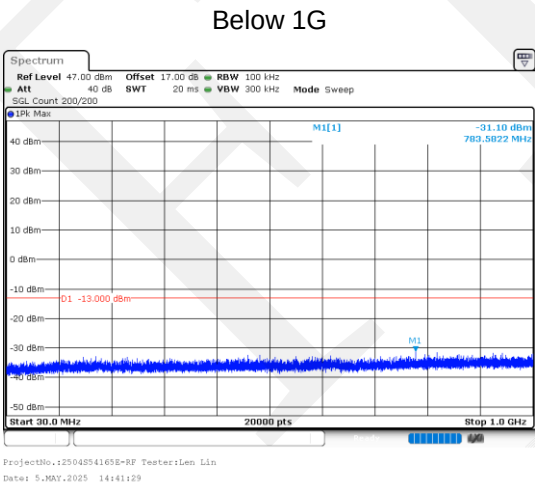
R99_Low



R99_Middle

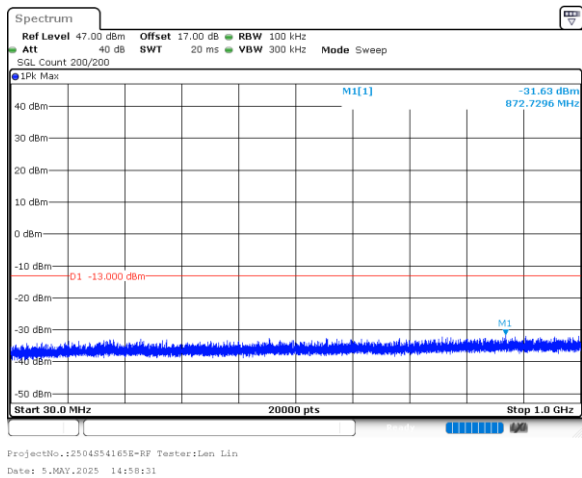


R99_High

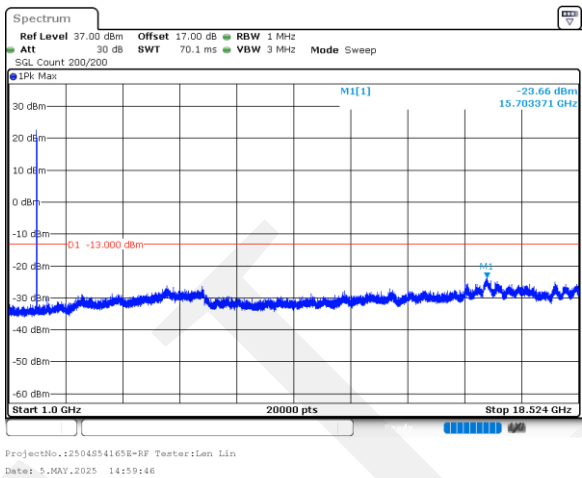


HSDPA_Low_Subtest1

Below 1G

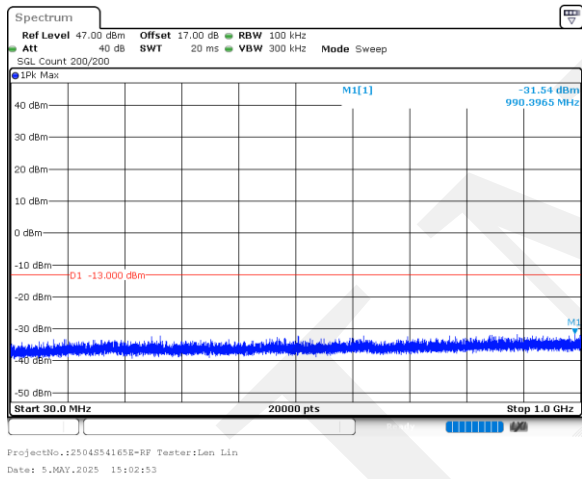


Above 1G

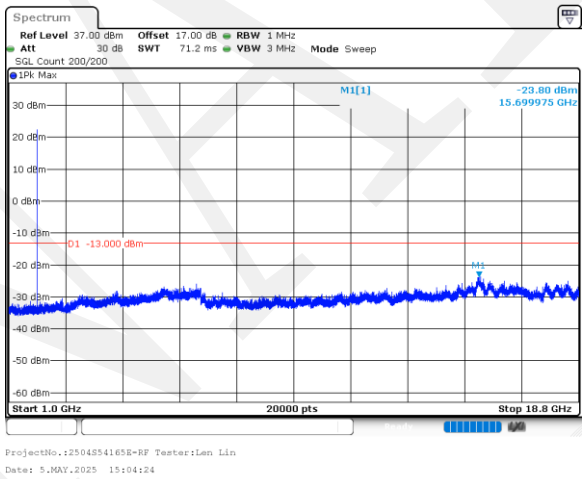


HSDPA_Middle_Subtest1

Below 1G

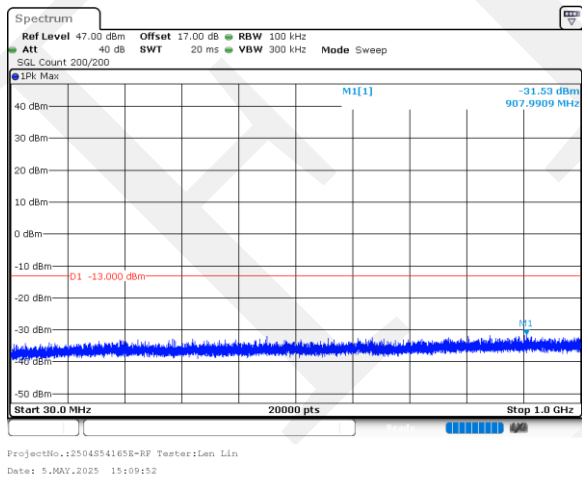


Above 1G

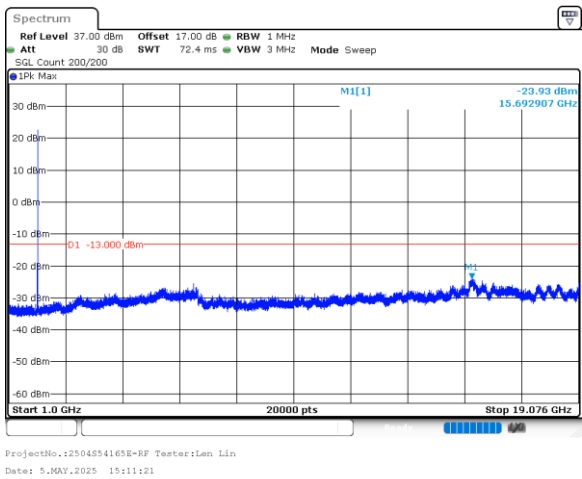


HSDPA_High_Subtest1

Below 1G

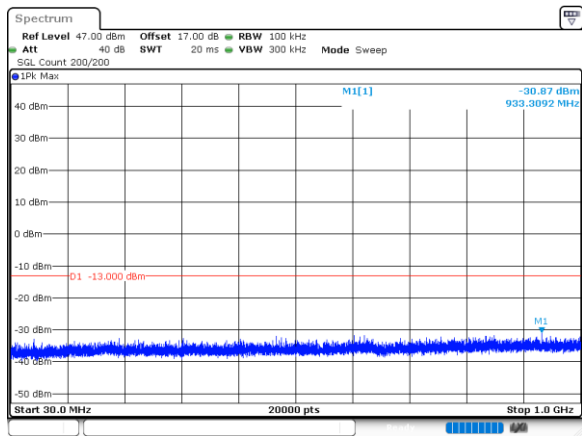


Above 1G



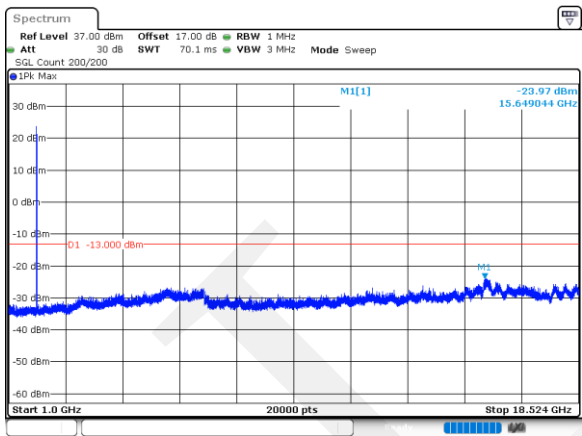
HSUPA_Low_Subtest1

Below 1G



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 5.MAY.2025 15:13:43

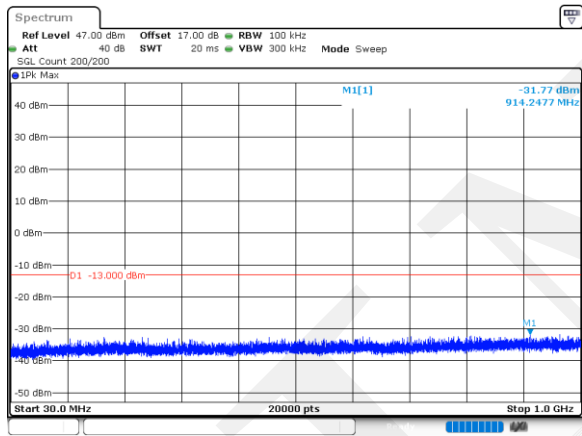
Above 1G



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 5.MAY.2025 15:14:52

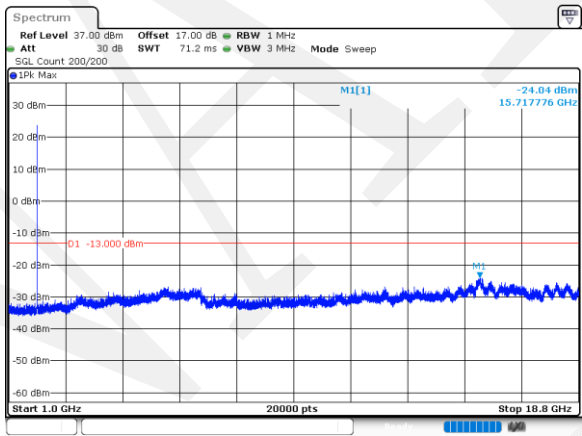
HSUPA_Middle_Subtest1

Below 1G



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 5.MAY.2025 15:17:17

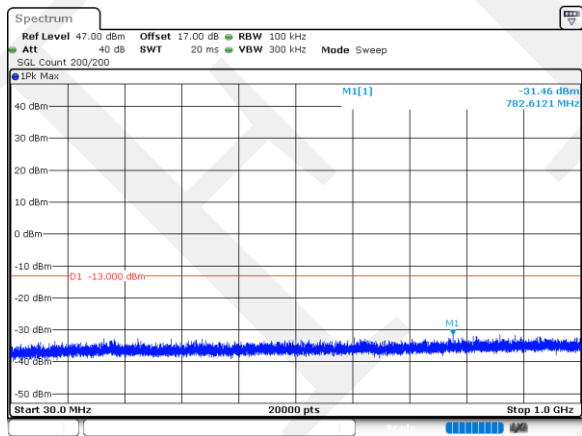
Above 1G



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 5.MAY.2025 15:18:38

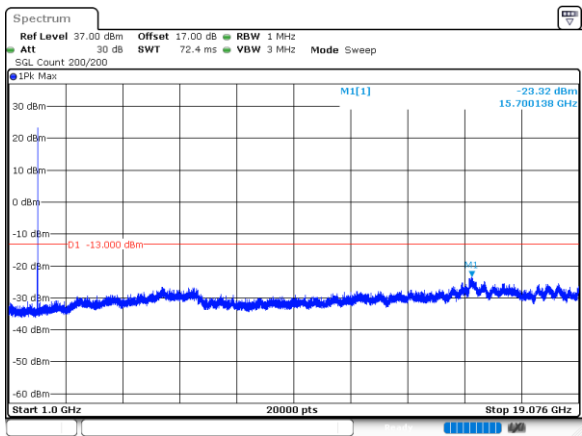
HSUPA_High_Subtest1

Below 1G



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 5.MAY.2025 15:21:02

Above 1G



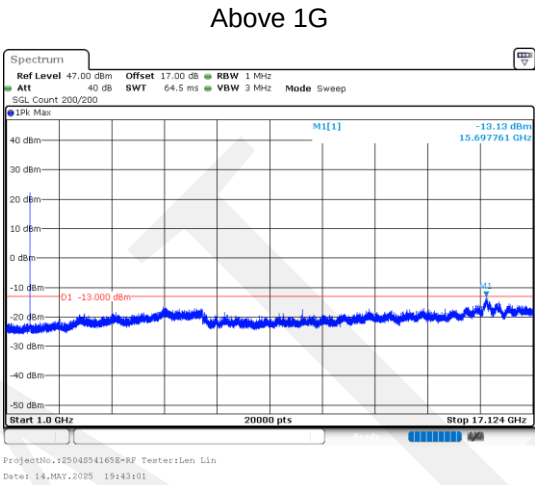
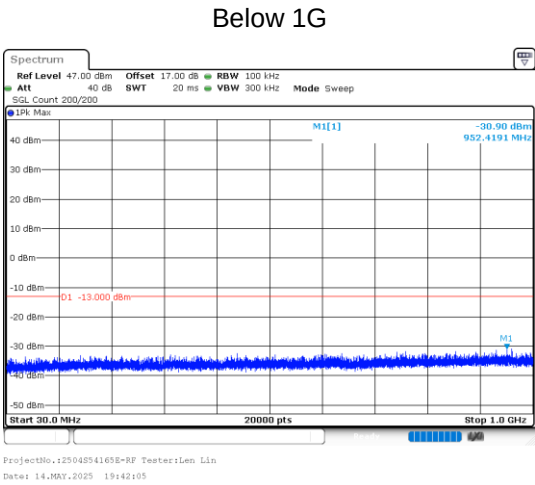
ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 5.MAY.2025 15:22:14

FCC Part 27

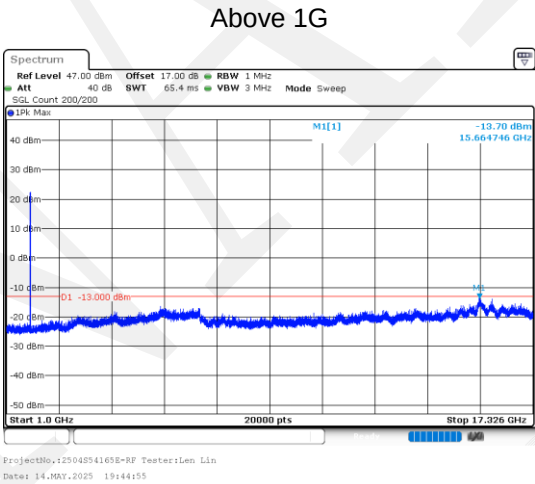
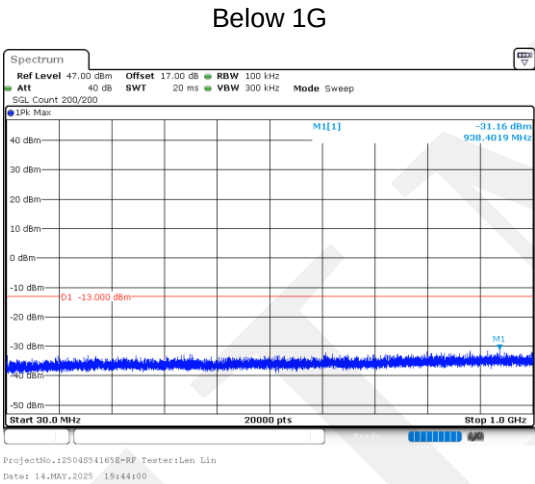
WCDMA Band 4, Normal

Worst case

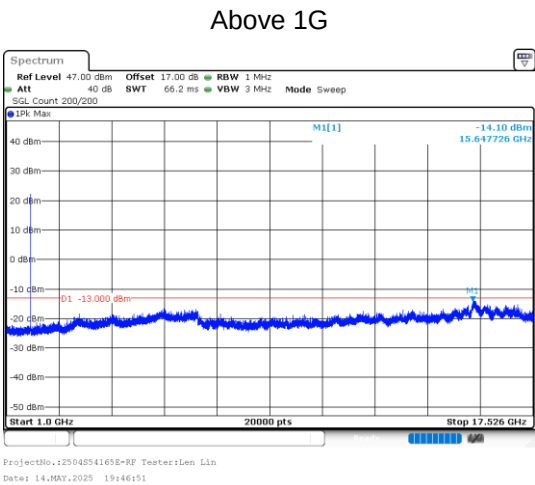
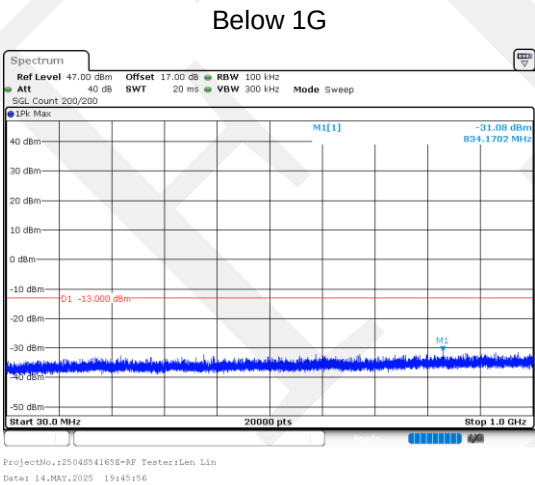
R99_Low



R99_Middle

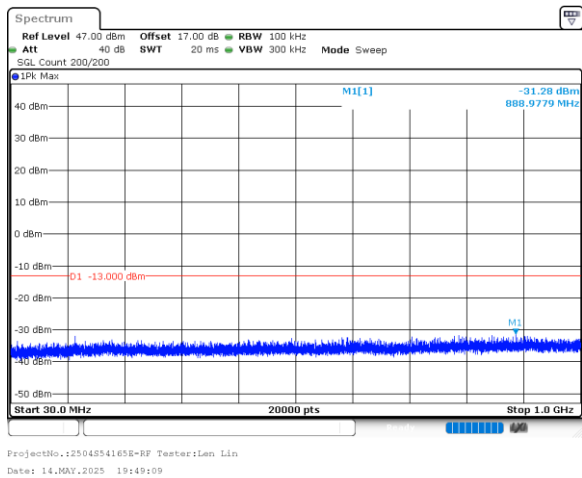


R99_High

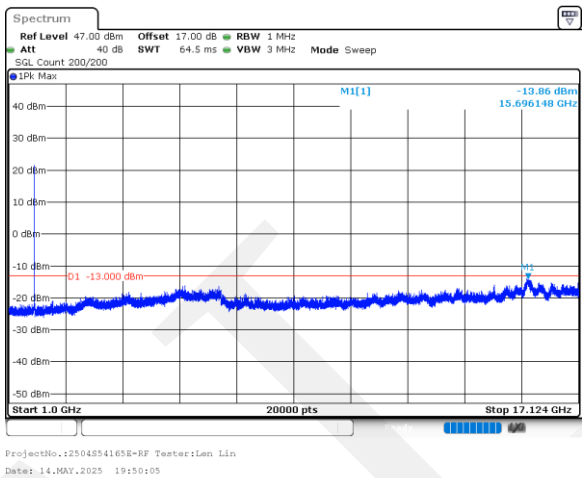


HSDPA_Low_Subtest1

Below 1G

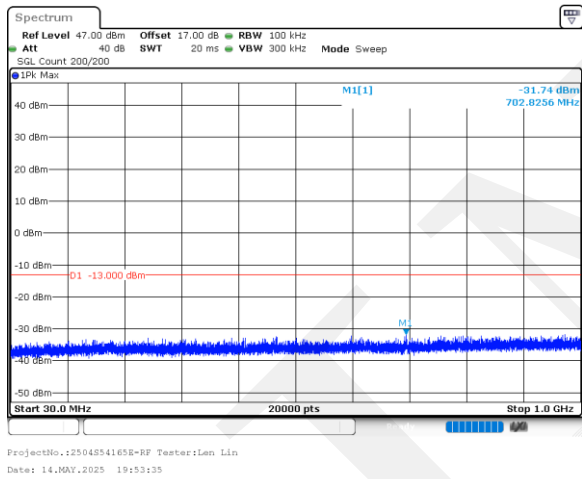


Above 1G

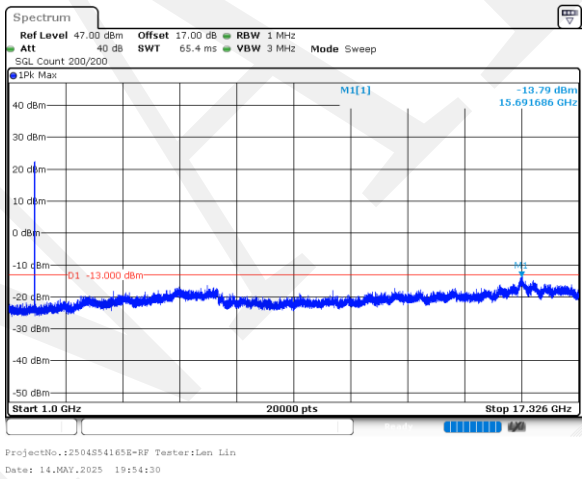


HSDPA_Middle_Subtest1

Below 1G

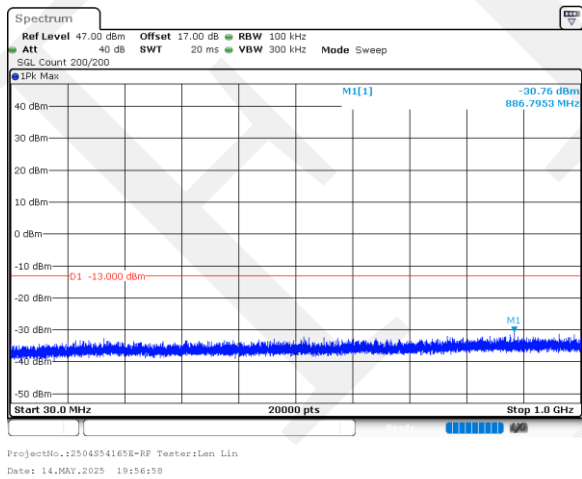


Above 1G

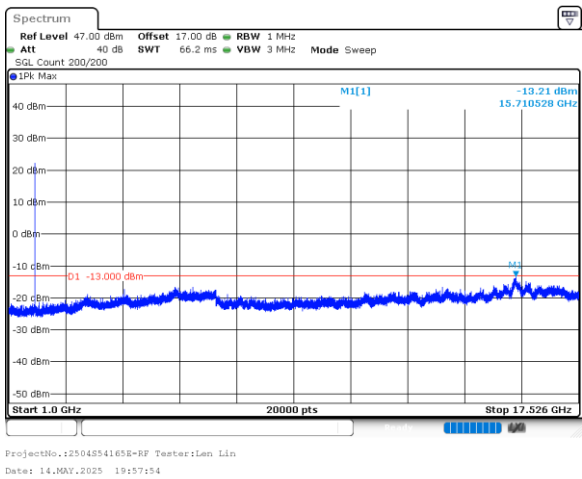


HSDPA_High_Subtest1

Below 1G

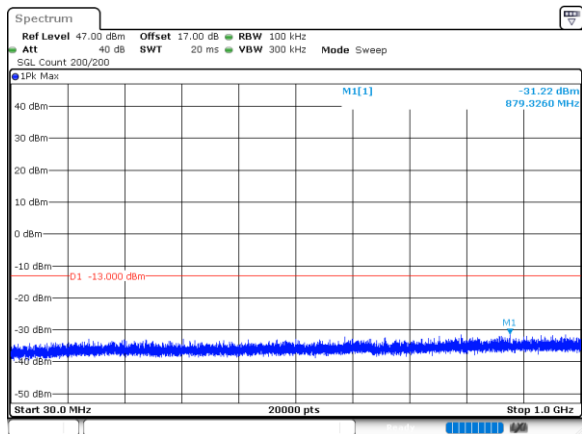


Above 1G



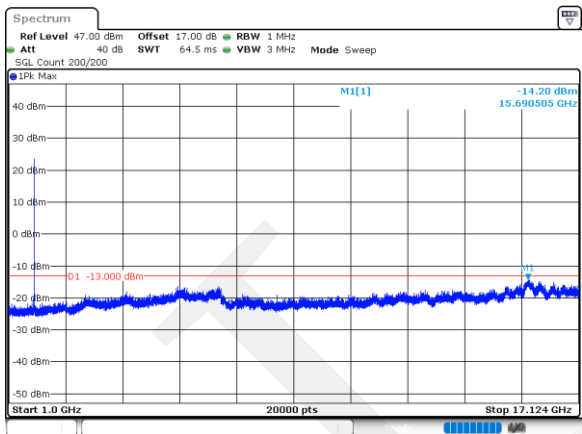
HSUPA_Low_Subtest1

Below 1G



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 14.MAY.2025 20:01:18

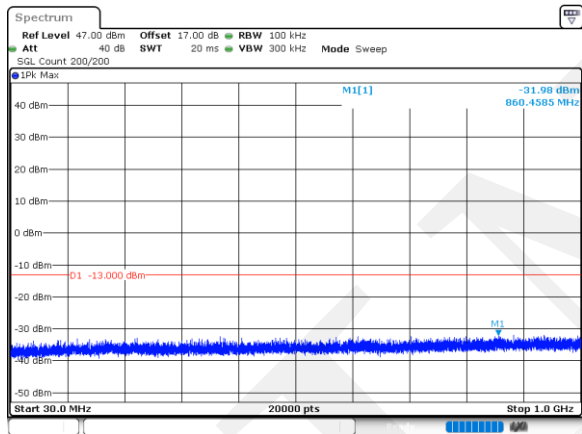
Above 1G



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 14.MAY.2025 20:02:14

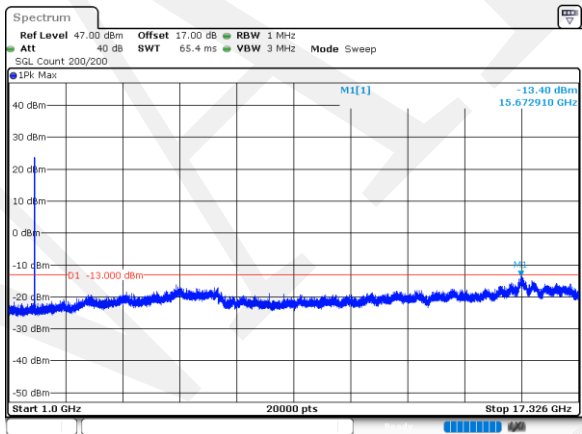
HSUPA_Middle_Subtest1

Below 1G



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 14.MAY.2025 20:17:38

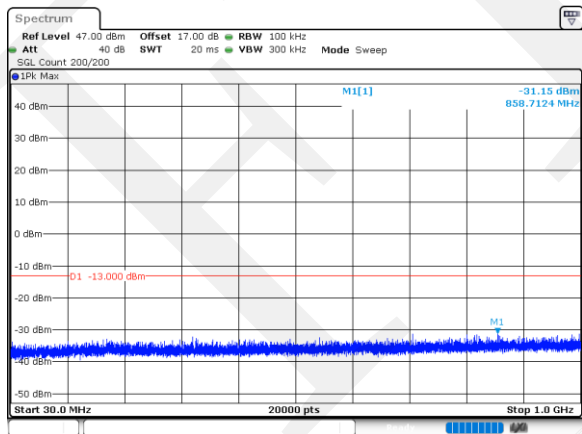
Above 1G



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 14.MAY.2025 20:18:54

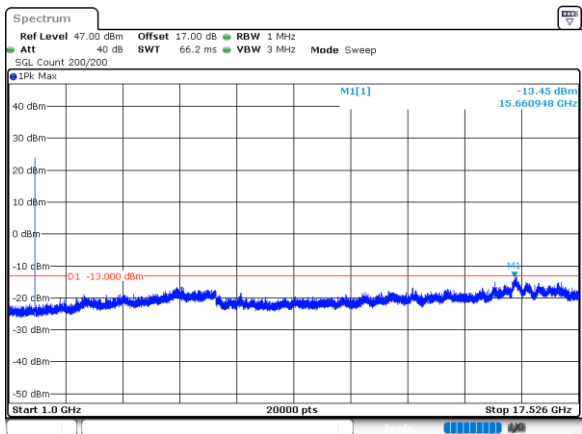
HSUPA_High_Subtest1

Below 1G



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 14.MAY.2025 20:21:02

Above 1G



ProjectNo.:2504S54165E-RF Tester:Len Lin
Date: 14.MAY.2025 20:21:57

Out of band emission,Band Edge

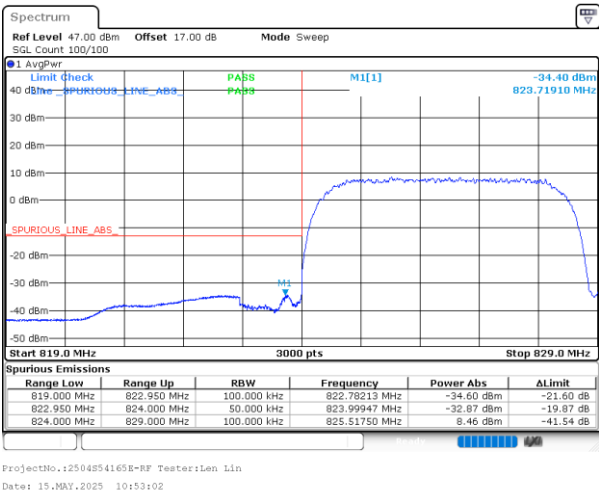
FCC Part 22H

WCDMA Band 5, Normal

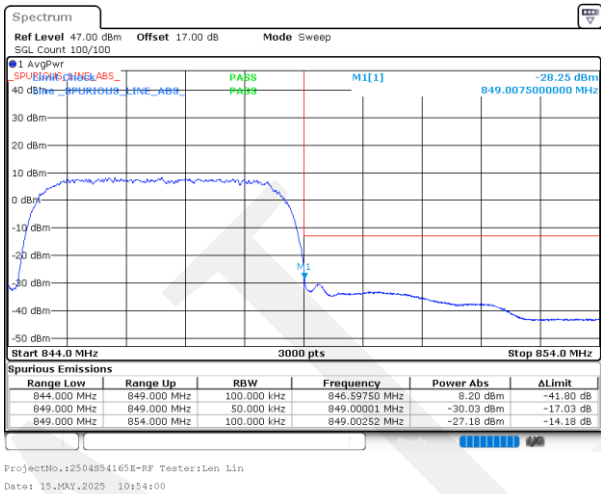
Mode	Result (dBm)	Limit	Verdict
R99_Low	-34.40	See Graphs	Pass
R99_High	-28.25	See Graphs	Pass
HSDPA_Low_Subtest1	-27.38	See Graphs	Pass
HSDPA_High_Subtest1	-22.27	See Graphs	Pass
HSUPA_Low_Subtest1	-30.22	See Graphs	Pass
HSUPA_High_Subtest1	-26.02	See Graphs	Pass

WCDMA Band 5, Normal

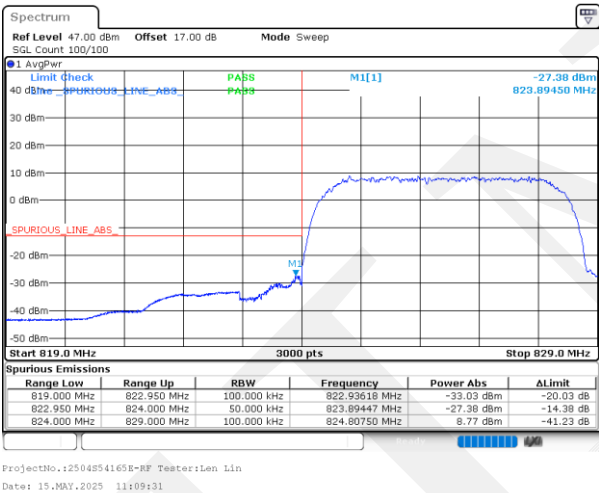
R99_Low



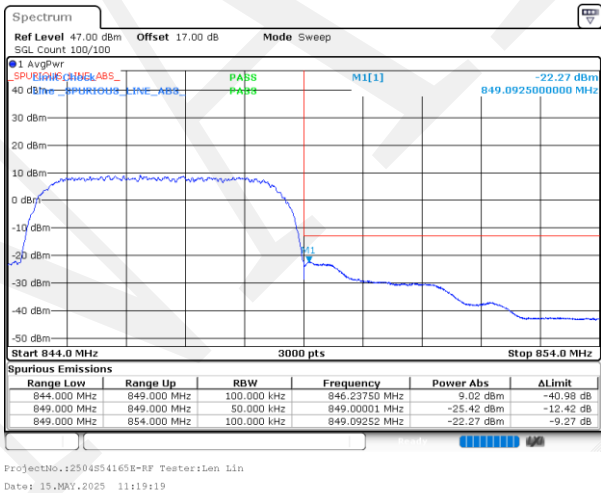
R99_High



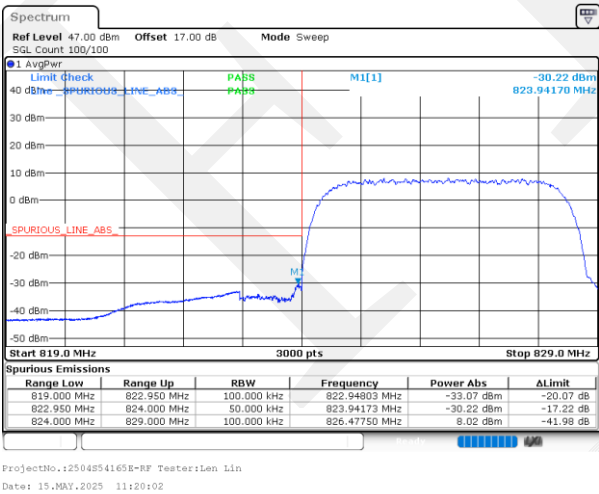
HSDPA_Low_Subtest1



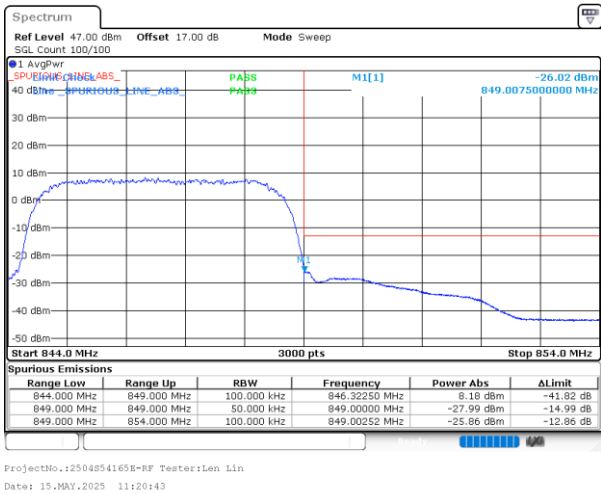
HSDPA_High_Subtest1



HSUPA_Low_Subtest1



HSUPA_High_Subtest1



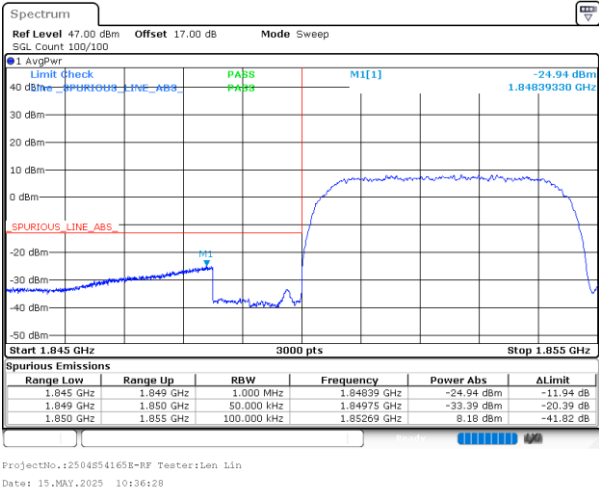
FCC Part 24E

WCDMA Band 2, Normal

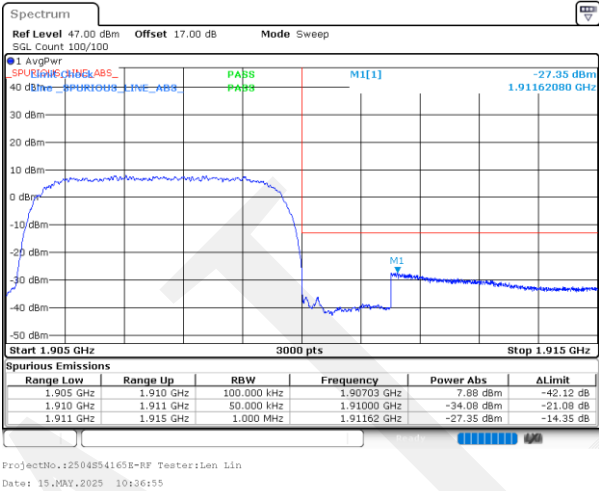
Mode	Result (dBm)	Limit	Verdict
R99_Low	-24.94	See Graphs	Pass
R99_High	-27.35	See Graphs	Pass
HSDPA_Low_Subtest1	-25.05	See Graphs	Pass
HSDPA_High_Subtest1	-26.05	See Graphs	Pass
HSUPA_Low_Subtest1	-25.53	See Graphs	Pass
HSUPA_High_Subtest1	-28.21	See Graphs	Pass

WCDMA Band 2, Normal

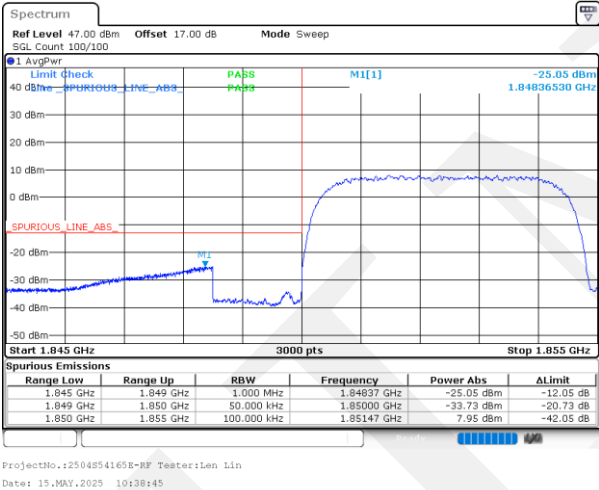
R99_Low



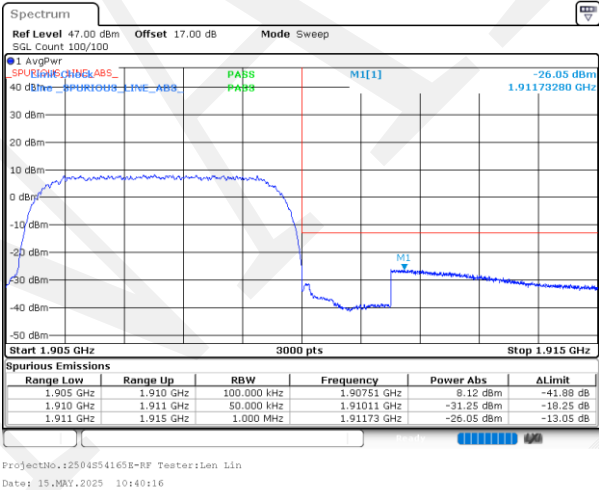
R99_High



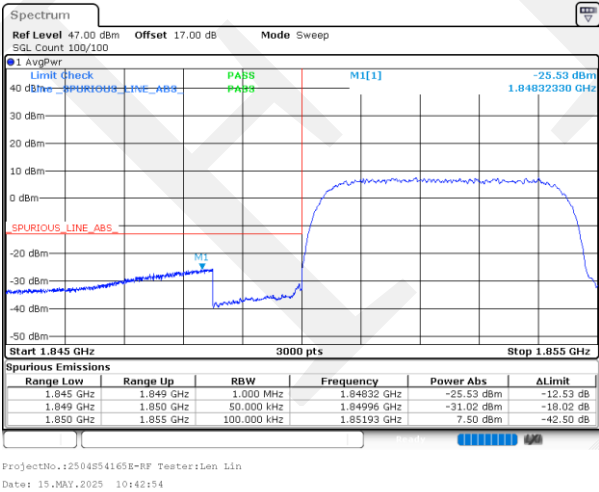
HSDPA_Low_Subtest1



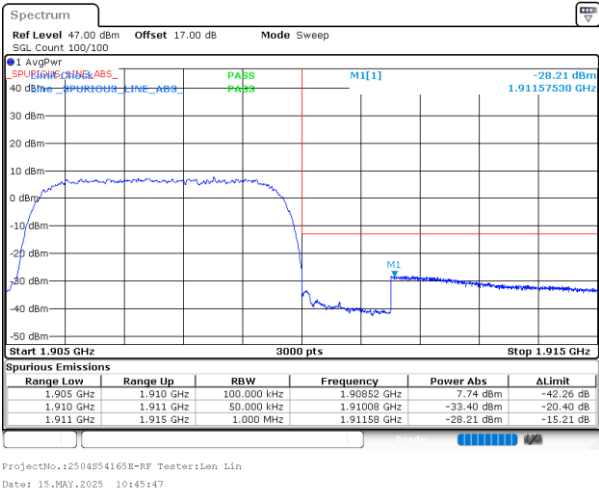
HSDPA_High_Subtest1



HSUPA_Low_Subtest1



HSUPA_High_Subtest1



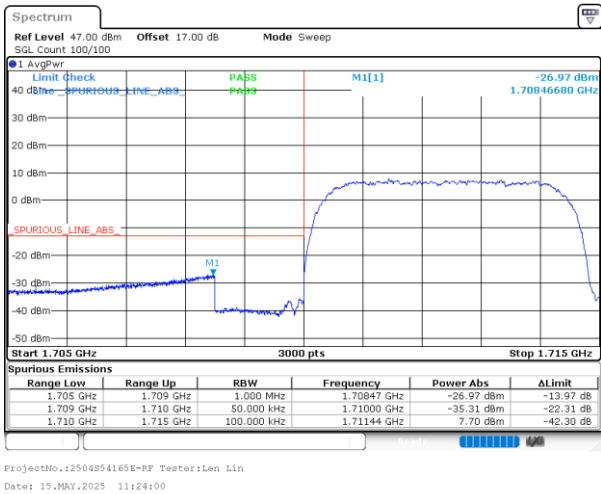
FCC Part 27

WCDMA Band 4, Normal

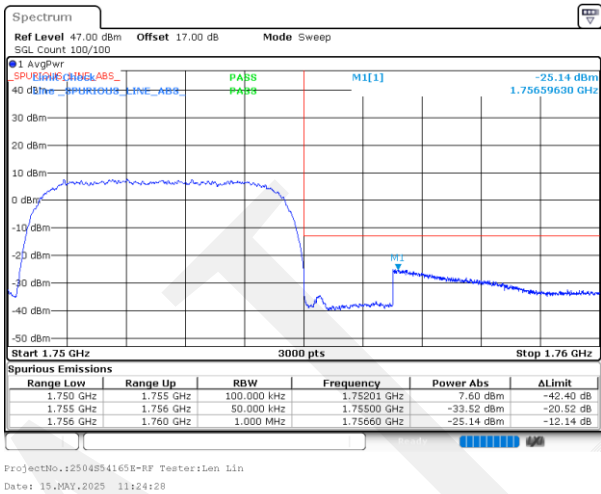
Mode	Result (dBm)	Limit	Verdict
R99_Low	-26.97	See Graphs	Pass
R99_High	-25.14	See Graphs	Pass
HSDPA_Low_Subtest1	-27.80	See Graphs	Pass
HSDPA_High_Subtest1	-24.65	See Graphs	Pass
HSUPA_Low_Subtest1	-27.37	See Graphs	Pass
HSUPA_High_Subtest1	-22.71	See Graphs	Pass

WCDMA Band 4, Normal

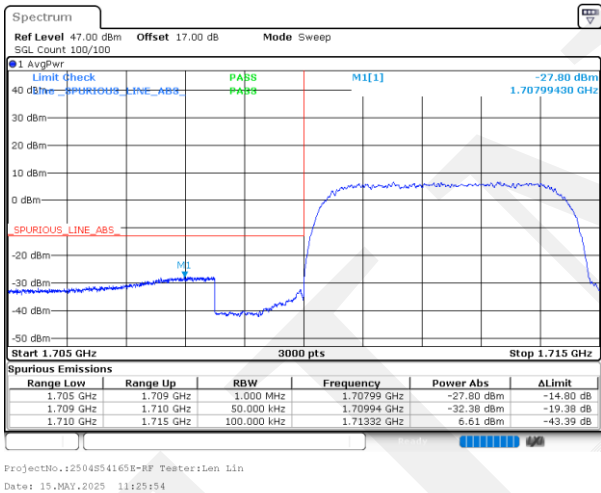
R99_Low



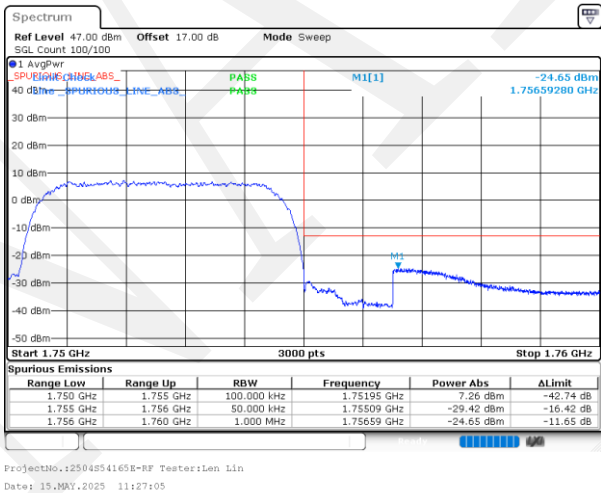
R99_High



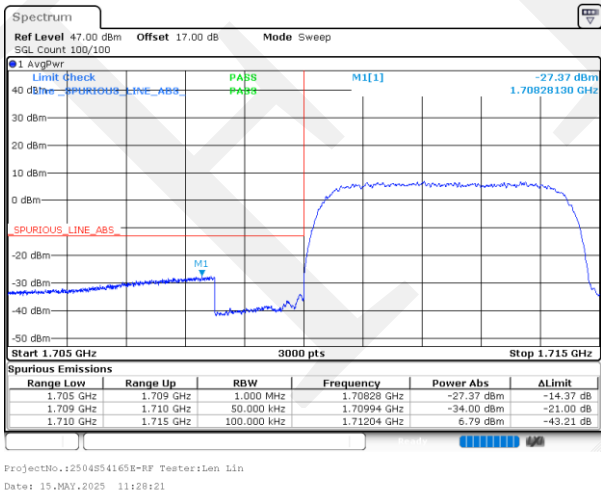
HSDPA_Low_Subtest1



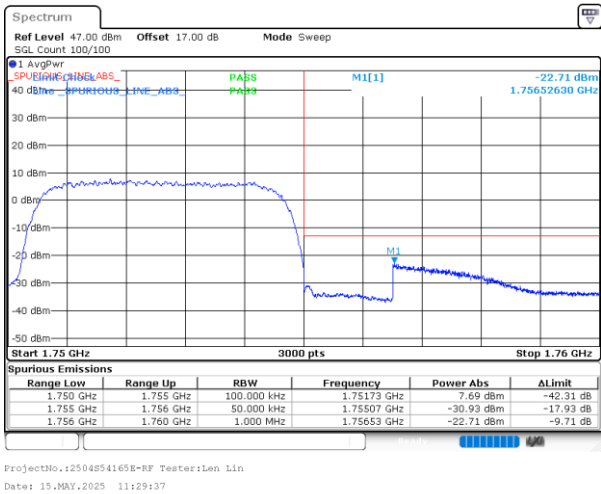
HSDPA_High_Subtest1



HSUPA_Low_Subtest1



HSUPA_High_Subtest1



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_Low_TN/VN	826.4	-1.3	-0.0015	±2.5	Pass
R99_Low_TH/VH	826.4	0.1	0.0002	±2.5	Pass
R99_Low_TL/VL	826.4	0.7	0.0008	±2.5	Pass
R99_Low_TN/VH	826.4	0.9	0.0011	±2.5	Pass
R99_Low_TN/VL	826.4	-1.0	-0.0012	±2.5	Pass
R99_Middle_TN/VN	836.6	-1.3	-0.0016	±2.5	Pass
R99_Middle_TH/VH	836.6	0.2	0.0003	±2.5	Pass
R99_Middle_TL/VL	836.6	-1.1	-0.0013	±2.5	Pass
R99_Middle_TN/VH	836.6	0.3	0.0004	±2.5	Pass
R99_Middle_TN/VL	836.6	0.5	0.0006	±2.5	Pass
R99_High_TN/VN	846.6	-0.1	-0.0001	±2.5	Pass
R99_High_TH/VH	846.6	-1.5	-0.0018	±2.5	Pass
R99_High_TL/VL	846.6	0.4	0.0005	±2.5	Pass
R99_High_TN/VH	846.6	-0.3	-0.0003	±2.5	Pass
R99_High_TN/VL	846.6	-2.2	-0.0026	±2.5	Pass
HSDPA_Low_Subtest1_TN/VN	826.4	-0.8	-0.0009	±2.5	Pass
HSDPA_Low_Subtest1_TH/VH	826.4	1.3	0.0016	±2.5	Pass
HSDPA_Low_Subtest1_TL/VL	826.4	0.3	0.0003	±2.5	Pass
HSDPA_Low_Subtest1_TN/VH	826.4	-0.7	-0.0008	±2.5	Pass
HSDPA_Low_Subtest1_TN/VL	826.4	1.9	0.0023	±2.5	Pass
HSDPA_Middle_Subtest2_TN/VN	836.6	-0.2	-0.0002	±2.5	Pass
HSDPA_Middle_Subtest2_TH/VH	836.6	0.2	0.0002	±2.5	Pass
HSDPA_Middle_Subtest2_TL/VL	836.6	0.4	0.0005	±2.5	Pass
HSDPA_Middle_Subtest2_TN/VH	836.6	-0.4	-0.0005	±2.5	Pass
HSDPA_Middle_Subtest2_TN/VL	836.6	-0.5	-0.0006	±2.5	Pass
HSDPA_High_Subtest1_TN/VN	846.6	-1.1	-0.0012	±2.5	Pass
HSDPA_High_Subtest1_TH/VH	846.6	0.0	0.0000	±2.5	Pass
HSDPA_High_Subtest1_TL/VL	846.6	1.0	0.0012	±2.5	Pass
HSDPA_High_Subtest1_TN/VH	846.6	-1.2	-0.0015	±2.5	Pass
HSDPA_High_Subtest1_TN/VL	846.6	0.3	0.0004	±2.5	Pass
HSUPA_Low_Subtest1_TN/VN	826.4	1.4	0.0017	±2.5	Pass

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
HSUPA_Low_Subtest1_TH/VH	826.4	0.5	0.0006	±2.5	Pass
HSUPA_Low_Subtest1_TL/VL	826.4	0.2	0.0002	±2.5	Pass
HSUPA_Low_Subtest1_TN/VH	826.4	1.2	0.0014	±2.5	Pass
HSUPA_Low_Subtest1_TN/VL	826.4	-1.8	-0.0022	±2.5	Pass
HSUPA_Middle_Subtest1_TN/VN	836.6	-0.1	-0.0002	±2.5	Pass
HSUPA_Middle_Subtest1_TH/VH	836.6	0.2	0.0003	±2.5	Pass
HSUPA_Middle_Subtest1_TL/VL	836.6	1.0	0.0012	±2.5	Pass
HSUPA_Middle_Subtest1_TN/VH	836.6	-1.2	-0.0015	±2.5	Pass
HSUPA_Middle_Subtest1_TN/VL	836.6	0.5	0.0006	±2.5	Pass
HSUPA_High_Subtest1_TN/VN	846.6	-1.0	-0.0012	±2.5	Pass
HSUPA_High_Subtest1_TH/VH	846.6	-0.6	-0.0007	±2.5	Pass
HSUPA_High_Subtest1_TL/VL	846.6	-0.9	-0.0011	±2.5	Pass
HSUPA_High_Subtest1_TN/VH	846.6	0.1	0.0001	±2.5	Pass
HSUPA_High_Subtest1_TN/VL	846.6	0.8	0.0010	±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	1850.345	1850	Pass
R99_Low_TH/VH	1850.315	1850	Pass
R99_Low_TL/VL	1850.305	1850	Pass
R99_Low_TN/VH	1850.325	1850	Pass
R99_Low_TN/VL	1850.325	1850	Pass
R99_High_TN/VN	1909.675	1910	Pass
R99_High_TH/VH	1909.675	1910	Pass
R99_High_TL/VL	1909.685	1910	Pass
R99_High_TN/VH	1909.675	1910	Pass
R99_High_TN/VL	1909.675	1910	Pass
HSDPA_Low_Subtest1_TN/VN	1850.325	1850	Pass
HSDPA_Low_Subtest1_TH/VH	1850.315	1850	Pass
HSDPA_Low_Subtest1_TL/VL	1850.325	1850	Pass
HSDPA_Low_Subtest1_TN/VH	1850.285	1850	Pass
HSDPA_Low_Subtest1_TN/VL	1850.335	1850	Pass
HSDPA_High_Subtest1_TN/VN	1909.675	1910	Pass
HSDPA_High_Subtest1_TH/VH	1909.675	1910	Pass
HSDPA_High_Subtest1_TL/VL	1909.675	1910	Pass
HSDPA_High_Subtest1_TN/VH	1909.675	1910	Pass
HSDPA_High_Subtest1_TN/VL	1909.675	1910	Pass
HSUPA_Low_Subtest1_TN/VN	1850.315	1850	Pass
HSUPA_Low_Subtest1_TH/VH	1850.345	1850	Pass
HSUPA_Low_Subtest1_TL/VL	1850.335	1850	Pass
HSUPA_Low_Subtest1_TN/VH	1850.315	1850	Pass
HSUPA_Low_Subtest1_TN/VL	1850.345	1850	Pass
HSUPA_High_Subtest1_TN/VN	1909.675	1910	Pass
HSUPA_High_Subtest1_TH/VH	1909.685	1910	Pass
HSUPA_High_Subtest1_TL/VL	1909.675	1910	Pass
HSUPA_High_Subtest1_TN/VH	1909.675	1910	Pass
HSUPA_High_Subtest1_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	1710.325	1710	Pass
R99_Low_TH/VH	1710.335	1710	Pass
R99_Low_TL/VL	1710.305	1710	Pass
R99_Low_TN/VH	1710.335	1710	Pass
R99_Low_TN/VL	1710.295	1710	Pass
R99_High_TN/VN	1754.695	1755	Pass
R99_High_TH/VH	1754.675	1755	Pass
R99_High_TL/VL	1754.675	1755	Pass
R99_High_TN/VH	1754.685	1755	Pass
R99_High_TN/VL	1754.675	1755	Pass
HSDPA_Low_Subtest1_TN/VN	1710.315	1710	Pass
HSDPA_Low_Subtest1_TH/VH	1710.325	1710	Pass
HSDPA_Low_Subtest1_TL/VL	1710.315	1710	Pass
HSDPA_Low_Subtest1_TN/VH	1710.315	1710	Pass
HSDPA_Low_Subtest1_TN/VL	1710.325	1710	Pass
HSDPA_High_Subtest1_TN/VN	1754.675	1755	Pass
HSDPA_High_Subtest1_TH/VH	1754.675	1755	Pass
HSDPA_High_Subtest1_TL/VL	1754.675	1755	Pass
HSDPA_High_Subtest1_TN/VH	1754.675	1755	Pass
HSDPA_High_Subtest1_TN/VL	1754.675	1755	Pass
HSUPA_Low_Subtest1_TN/VN	1710.315	1710	Pass
HSUPA_Low_Subtest1_TH/VH	1710.325	1710	Pass
HSUPA_Low_Subtest1_TL/VL	1710.305	1710	Pass
HSUPA_Low_Subtest1_TN/VH	1710.315	1710	Pass
HSUPA_Low_Subtest1_TN/VL	1710.315	1710	Pass
HSUPA_High_Subtest1_TN/VN	1754.705	1755	Pass
HSUPA_High_Subtest1_TH/VH	1754.675	1755	Pass
HSUPA_High_Subtest1_TL/VL	1754.675	1755	Pass
HSUPA_High_Subtest1_TN/VH	1754.695	1755	Pass
HSUPA_High_Subtest1_TN/VL	1754.685	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.

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