

Appendix B-WCDMA

Test Information:

Sample No.:	31OF-3	Test Date:	2025/06/10~2025/08/04
Test Site:	RF	Test Mode:	Transmitting
Tester:	Benny Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.3~26.3	Relative Humidity: (%)	44~54	ATM Pressure: (kPa)	99.3~100.1
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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	18.48	14.77	38.45	Pass
R99_Middle	18.37	14.66	38.45	Pass
R99_High	18.31	14.60	38.45	Pass
HSDPA_Low_Subtest1	18.84	15.13	38.45	Pass
HSDPA_Low_Subtest2	18.85	15.14	38.45	Pass
HSDPA_Low_Subtest3	18.91	15.20	38.45	Pass
HSDPA_Low_Subtest4	18.90	15.19	38.45	Pass
HSDPA_Middle_Subtest1	18.86	15.15	38.45	Pass
HSDPA_Middle_Subtest2	18.75	15.04	38.45	Pass
HSDPA_Middle_Subtest3	18.69	14.98	38.45	Pass
HSDPA_Middle_Subtest4	18.79	15.08	38.45	Pass
HSDPA_High_Subtest1	18.70	14.99	38.45	Pass
HSDPA_High_Subtest2	18.59	14.88	38.45	Pass
HSDPA_High_Subtest3	18.70	14.99	38.45	Pass
HSDPA_High_Subtest4	18.57	14.86	38.45	Pass
HSUPA_Low_Subtest1	18.29	14.58	38.45	Pass
HSUPA_Low_Subtest2	18.51	14.80	38.45	Pass
HSUPA_Low_Subtest3	18.54	14.83	38.45	Pass
HSUPA_Low_Subtest4	18.54	14.83	38.45	Pass
HSUPA_Low_Subtest5	18.52	14.81	38.45	Pass
HSUPA_Middle_Subtest1	18.48	14.77	38.45	Pass
HSUPA_Middle_Subtest2	18.46	14.75	38.45	Pass
HSUPA_Middle_Subtest3	18.50	14.79	38.45	Pass
HSUPA_Middle_Subtest4	18.44	14.73	38.45	Pass
HSUPA_Middle_Subtest5	18.48	14.77	38.45	Pass
HSUPA_High_Subtest1	18.30	14.59	38.45	Pass
HSUPA_High_Subtest2	18.33	14.62	38.45	Pass
HSUPA_High_Subtest3	18.30	14.59	38.45	Pass
HSUPA_High_Subtest4	18.30	14.59	38.45	Pass
HSUPA_High_Subtest5	18.29	14.58	38.45	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
HSPA+_Low_Subtest1	18.34	14.63	38.45	Pass
HSPA+_Middle_Subtest1	18.33	14.62	38.45	Pass
HSPA+_High_Subtest1	18.42	14.71	38.45	Pass
DC-HSDPA_Low_Subtest1	18.37	14.66	38.45	Pass
DC-HSDPA_Low_Subtest2	18.35	14.64	38.45	Pass
DC-HSDPA_Low_Subtest3	18.41	14.70	38.45	Pass
DC-HSDPA_Low_Subtest4	18.44	14.73	38.45	Pass
DC-HSDPA_Middle_Subtest1	18.52	14.81	38.45	Pass
DC-HSDPA_Middle_Subtest2	18.50	14.79	38.45	Pass
DC-HSDPA_Middle_Subtest3	18.49	14.78	38.45	Pass
DC-HSDPA_Middle_Subtest4	18.46	14.75	38.45	Pass
DC-HSDPA_High_Subtest1	18.49	14.78	38.45	Pass
DC-HSDPA_High_Subtest2	18.37	14.66	38.45	Pass
DC-HSDPA_High_Subtest3	18.39	14.68	38.45	Pass
DC-HSDPA_High_Subtest4	18.36	14.65	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 = -1.56dBi;

2.Cable Loss = 0dB.

FCC Part 24E

WCDMA Band 2, Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
R99_Low	20.86	19.66	33	Pass
R99_Middle	21.45	20.25	33	Pass
R99_High	21.90	20.70	33	Pass
HSDPA_Low_Subtest1	17.48	16.28	33	Pass
HSDPA_Low_Subtest2	17.46	16.26	33	Pass
HSDPA_Low_Subtest3	17.44	16.24	33	Pass
HSDPA_Low_Subtest4	17.33	16.13	33	Pass
HSDPA_Middle_Subtest1	17.95	16.75	33	Pass
HSDPA_Middle_Subtest2	17.87	16.67	33	Pass
HSDPA_Middle_Subtest3	17.91	16.71	33	Pass
HSDPA_Middle_Subtest4	17.96	16.76	33	Pass
HSDPA_High_Subtest1	18.34	17.14	33	Pass
HSDPA_High_Subtest2	18.40	17.20	33	Pass
HSDPA_High_Subtest3	18.39	17.19	33	Pass
HSDPA_High_Subtest4	18.35	17.15	33	Pass
HSUPA_Low_Subtest1	17.99	16.79	33	Pass
HSUPA_Low_Subtest2	18.04	16.84	33	Pass
HSUPA_Low_Subtest3	18.02	16.82	33	Pass
HSUPA_Low_Subtest4	18.02	16.82	33	Pass
HSUPA_Low_Subtest5	18.00	16.80	33	Pass
HSUPA_Middle_Subtest1	18.01	16.81	33	Pass
HSUPA_Middle_Subtest2	18.01	16.81	33	Pass
HSUPA_Middle_Subtest3	18.08	16.88	33	Pass
HSUPA_Middle_Subtest4	18.01	16.81	33	Pass
HSUPA_Middle_Subtest5	18.00	16.80	33	Pass
HSUPA_High_Subtest1	18.10	16.90	33	Pass
HSUPA_High_Subtest2	18.05	16.85	33	Pass
HSUPA_High_Subtest3	17.99	16.79	33	Pass
HSUPA_High_Subtest4	17.99	16.79	33	Pass
HSUPA_High_Subtest5	17.98	16.78	33	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
HSPA+_Low_Subtest1	18.02	16.82	33	Pass
HSPA+_Middle_Subtest1	18.01	16.81	33	Pass
HSPA+_High_Subtest1	17.96	16.76	33	Pass
DC-HSDPA_Low_Subtest1	18.04	16.84	33	Pass
DC-HSDPA_Low_Subtest2	17.95	16.75	33	Pass
DC-HSDPA_Low_Subtest3	17.99	16.79	33	Pass
DC-HSDPA_Low_Subtest4	17.92	16.72	33	Pass
DC-HSDPA_Middle_Subtest1	18.12	16.92	33	Pass
DC-HSDPA_Middle_Subtest2	18.03	16.83	33	Pass
DC-HSDPA_Middle_Subtest3	18.03	16.83	33	Pass
DC-HSDPA_Middle_Subtest4	18.07	16.87	33	Pass
DC-HSDPA_High_Subtest1	17.91	16.71	33	Pass
DC-HSDPA_High_Subtest2	17.89	16.69	33	Pass
DC-HSDPA_High_Subtest3	17.98	16.78	33	Pass
DC-HSDPA_High_Subtest4	17.99	16.79	33	Pass

Note:

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

Band 2:

1.Antenna Gain = -1.2dBi;

2.Cable Loss = 0dB.

FCC Part 27

WCDMA Band 4, Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
R99_Low	22.19	21.34	30	Pass
R99_Middle	22.18	21.33	30	Pass
R99_High	22.10	21.25	30	Pass
HSDPA_Low_Subtest1	20.01	19.16	30	Pass
HSDPA_Low_Subtest2	19.88	19.03	30	Pass
HSDPA_Low_Subtest3	20.25	19.40	30	Pass
HSDPA_Low_Subtest4	20.27	19.42	30	Pass
HSDPA_Middle_Subtest1	19.88	19.03	30	Pass
HSDPA_Middle_Subtest2	19.70	18.85	30	Pass
HSDPA_Middle_Subtest3	20.28	19.43	30	Pass
HSDPA_Middle_Subtest4	20.28	19.43	30	Pass
HSDPA_High_Subtest1	19.63	18.78	30	Pass
HSDPA_High_Subtest2	19.77	18.92	30	Pass
HSDPA_High_Subtest3	20.21	19.36	30	Pass
HSDPA_High_Subtest4	20.17	19.32	30	Pass
HSUPA_Low_Subtest1	20.57	19.72	30	Pass
HSUPA_Low_Subtest2	20.66	19.81	30	Pass
HSUPA_Low_Subtest3	20.64	19.79	30	Pass
HSUPA_Low_Subtest4	20.66	19.81	30	Pass
HSUPA_Low_Subtest5	20.67	19.82	30	Pass
HSUPA_Middle_Subtest1	20.65	19.80	30	Pass
HSUPA_Middle_Subtest2	20.65	19.80	30	Pass
HSUPA_Middle_Subtest3	20.65	19.80	30	Pass
HSUPA_Middle_Subtest4	20.66	19.81	30	Pass
HSUPA_Middle_Subtest5	20.65	19.80	30	Pass
HSUPA_High_Subtest1	20.59	19.74	30	Pass
HSUPA_High_Subtest2	20.58	19.73	30	Pass
HSUPA_High_Subtest3	20.59	19.74	30	Pass
HSUPA_High_Subtest4	20.58	19.73	30	Pass
HSUPA_High_Subtest5	20.58	19.73	30	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
HSPA+_Low_Subtest1	20.40	19.55	30	Pass
HSPA+_Middle_Subtest1	20.53	19.68	30	Pass
HSPA+_High_Subtest1	20.47	19.62	30	Pass
DC-HSDPA_Low_Subtest1	20.03	19.18	30	Pass
DC-HSDPA_Low_Subtest2	20.15	19.30	30	Pass
DC-HSDPA_Low_Subtest3	20.44	19.59	30	Pass
DC-HSDPA_Low_Subtest4	20.41	19.56	30	Pass
DC-HSDPA_Middle_Subtest1	20.51	19.66	30	Pass
DC-HSDPA_Middle_Subtest2	20.49	19.64	30	Pass
DC-HSDPA_Middle_Subtest3	20.40	19.55	30	Pass
DC-HSDPA_Middle_Subtest4	20.36	19.51	30	Pass
DC-HSDPA_High_Subtest1	20.27	19.42	30	Pass
DC-HSDPA_High_Subtest2	20.01	19.16	30	Pass
DC-HSDPA_High_Subtest3	20.16	19.31	30	Pass
DC-HSDPA_High_Subtest4	20.31	19.46	30	Pass

Note:

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

Band 4:

1.Antenna Gain = -0.85dBi;

2.Cable Loss = 0dB.

Peak-to-average Ratio(PAR)

FCC Part 22H

WCDMA Band 5, Normal

Mode	Result (dB)	Limit (dB)
R99_Low	3.07	13
R99_Middle	3.10	13
R99_High	2.99	13
HSDPA_Low_Subtest1	3.42	13
HSDPA_Middle_Subtest2	3.25	13
HSDPA_High_Subtest1	4.93	13
HSUPA_Low_Subtest1	5.80	13
HSUPA_Middle_Subtest1	5.54	13
HSUPA_High_Subtest1	5.42	13

FCC Part 24E

WCDMA Band 2, Normal

Mode	Result (dB)	Limit (dB)
R99_Low	2.46	13
R99_Middle	2.87	13
R99_High	2.84	13
HSDPA_Low_Subtest1	3.88	13
HSDPA_Middle_Subtest1	4.81	13
HSDPA_High_Subtest1	4.70	13
HSUPA_Low_Subtest1	8.43	13
HSUPA_Middle_Subtest1	8.46	13
HSUPA_High_Subtest1	5.28	13

FCC Part 27

WCDMA Band 4, Normal

Mode	Result (dB)	Limit (dB)
R99_Low	2.75	13
R99_Middle	2.52	13
R99_High	2.78	13
HSDPA_Low_Subtest1	3.88	13
HSDPA_Middle_Subtest1	3.77	13
HSDPA_High_Subtest1	3.97	13
HSUPA_Low_Subtest1	4.35	13
HSUPA_Middle_Subtest1	4.17	13
HSUPA_High_Subtest1	4.46	13

Occupied Bandwidth

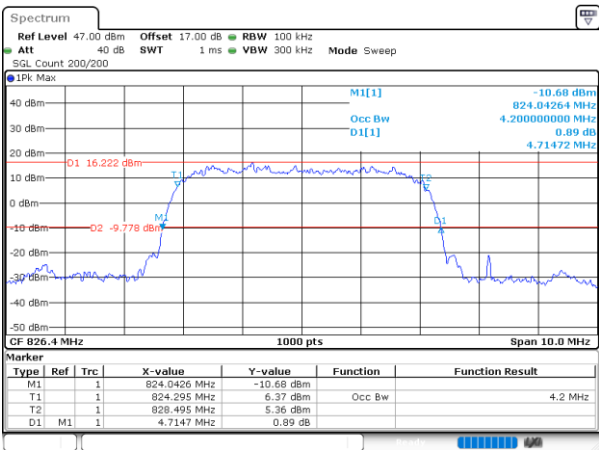
FCC Part 22H

WCDMA Band 5, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
R99_Low	4.200	4.715
R99_Middle	4.170	4.725
R99_High	4.180	4.735
HSDPA_Low_Subtest1	4.210	4.725
HSDPA_Middle_Subtest1	4.190	4.705
HSDPA_High_Subtest1	4.180	4.695
HSUPA_Low_Subtest1	4.200	4.725
HSUPA_Middle_Subtest1	4.210	4.725
HSUPA_High_Subtest1	4.180	4.715

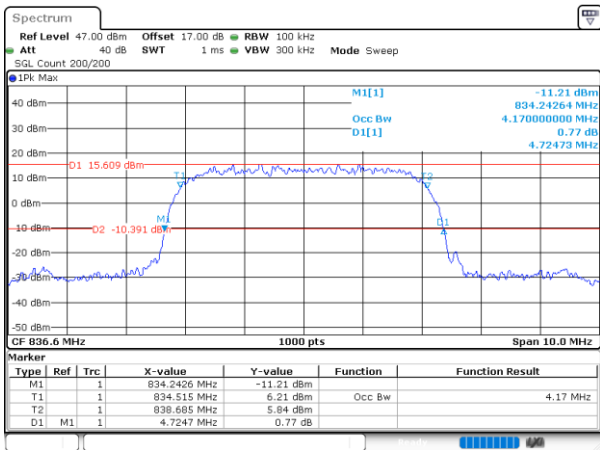
WCDMA Band 5, Normal

R99_Low



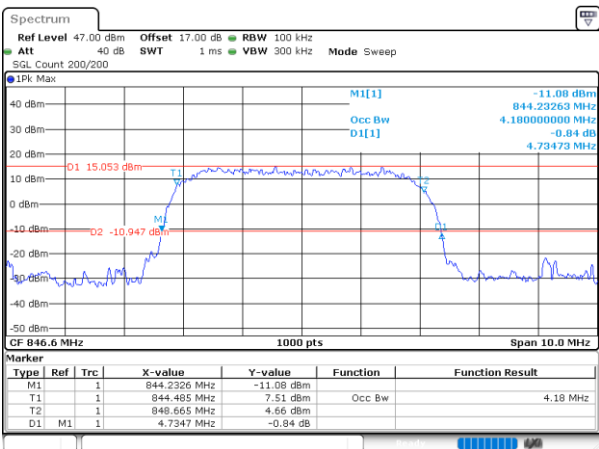
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R99_Middle



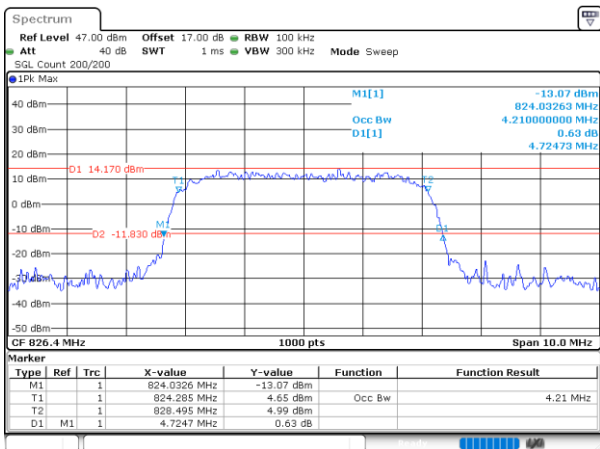
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R99_High



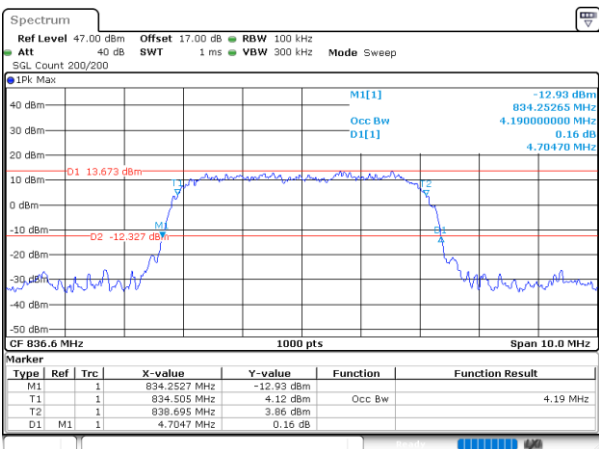
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HSDPA_Low_Subtest1



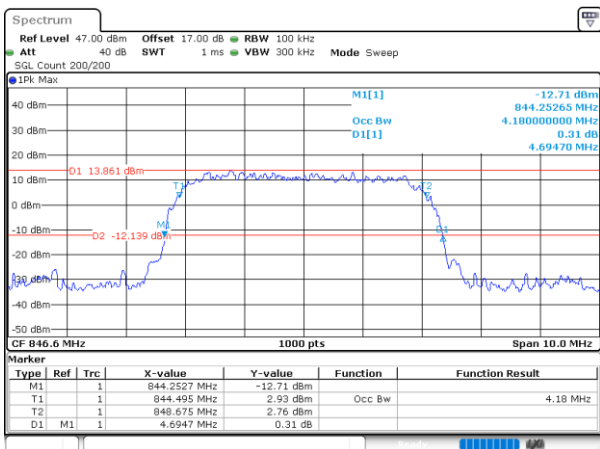
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HSDPA_Middle_Subtest1



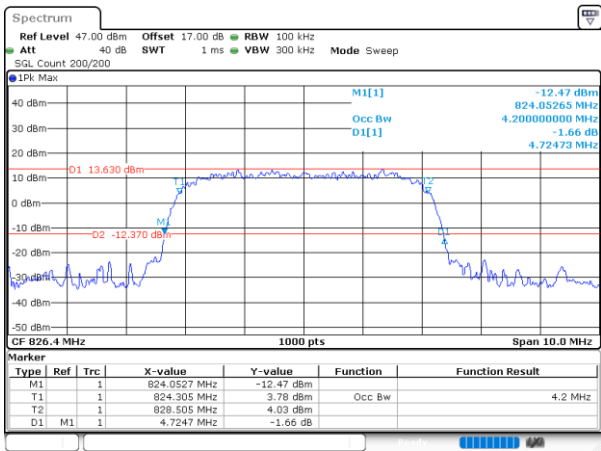
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HSDPA_High_Subtest1



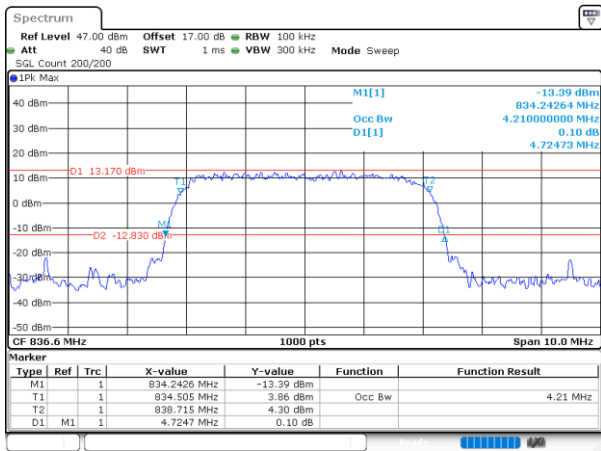
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HSUPA_Low_Subtest1



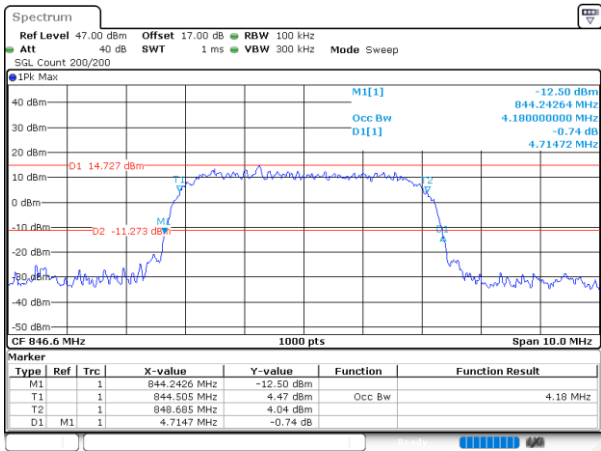
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HSUPA_Middle_Subtest1



ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 10.JUN.2025 19:26:08

HSUPA_High_Subtest1



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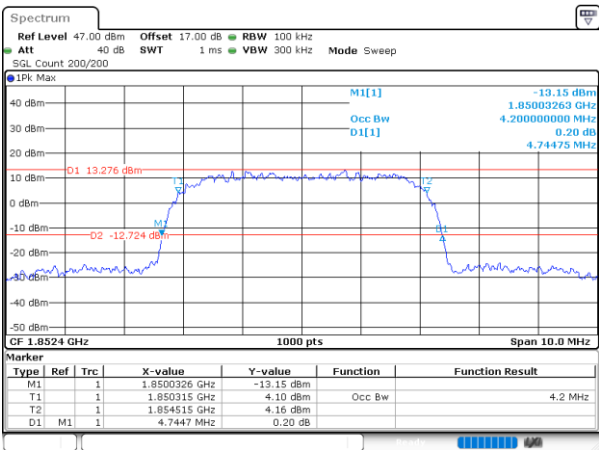
FCC Part 24E

WCDMA Band 2, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
R99_Low	4.200	4.745
R99_Middle	4.170	4.735
R99_High	4.170	4.715
HSDPA_Low_Subtest1	4.190	4.765
HSDPA_Middle_Subtest1	4.170	4.725
HSDPA_High_Subtest1	4.170	4.705
HSUPA_Low_Subtest1	4.180	4.695
HSUPA_Middle_Subtest1	4.190	4.715
HSUPA_High_Subtest1	4.190	4.735

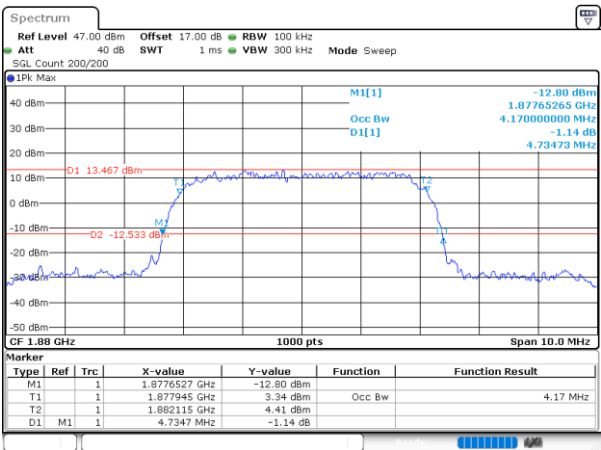
WCDMA Band 2, Normal

R99_Low



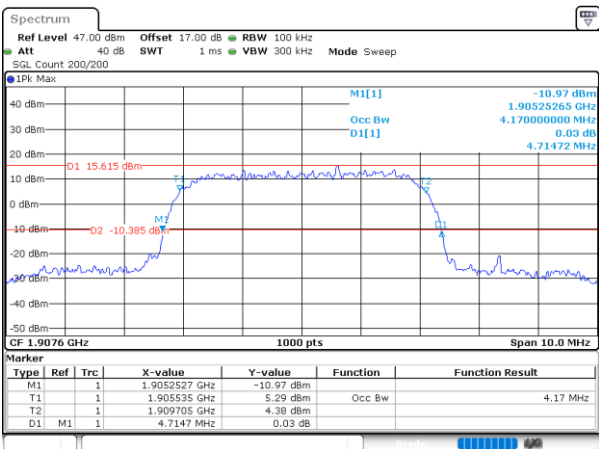
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R99_Middle



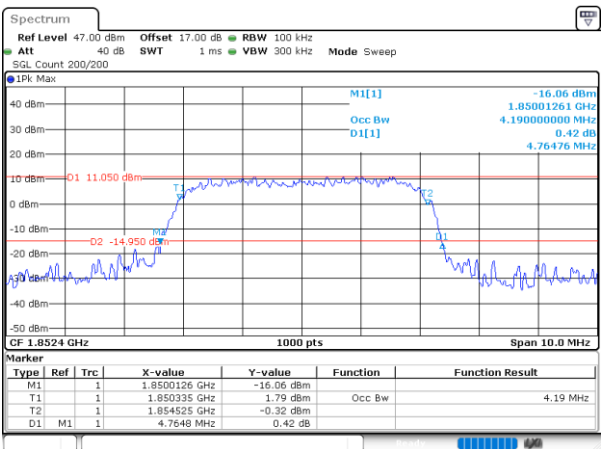
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R99_High



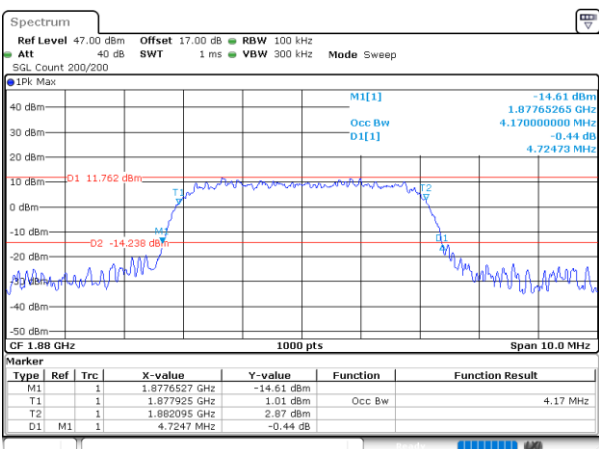
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HSDPA_Low_Subtest1



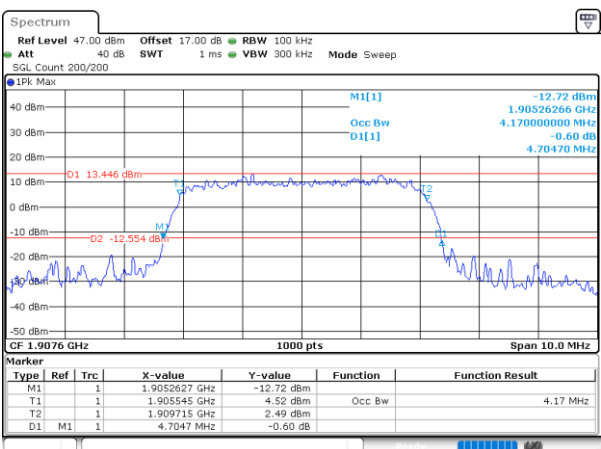
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HSDPA_Middle_Subtest1



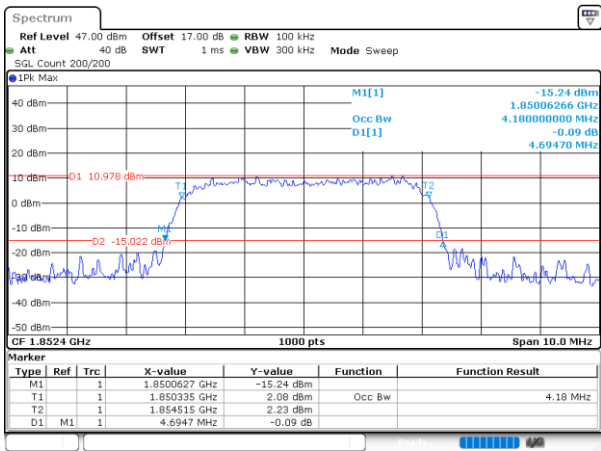
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HSDPA_High_Subtest1



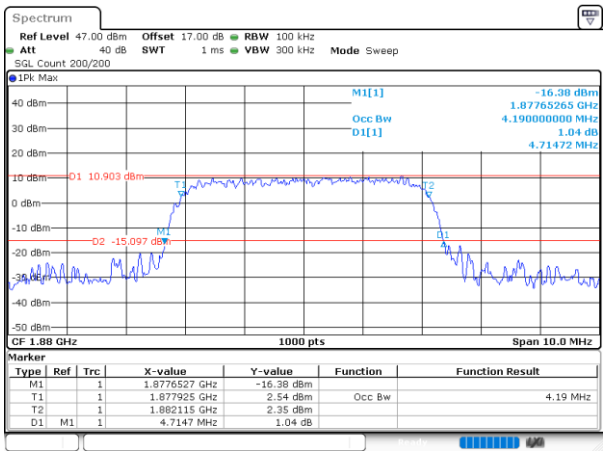
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HSUPA_Low_Subtest1



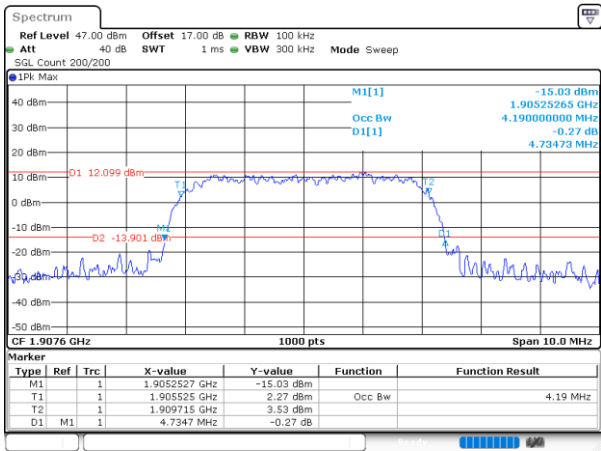
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HSUPA_Middle_Subtest1



ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 10.JUN.2025 19:19:20

HSUPA_High_Subtest1



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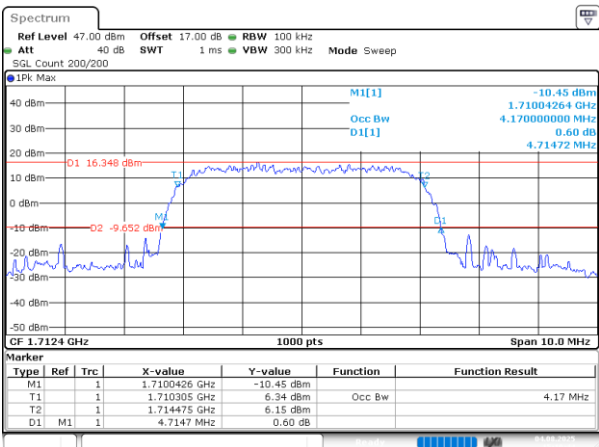
FCC Part 27

WCDMA Band 4, Normal

Mode	99% OBW (MHz)	26dB BW (MHz)
R99_Low	4.170	4.715
R99_Middle	4.190	4.765
R99_High	4.190	4.705
HSDPA_Low_Subtest1	4.180	4.735
HSDPA_Middle_Subtest1	4.180	4.725
HSDPA_High_Subtest1	4.160	4.705
HSUPA_Low_Subtest1	4.170	4.705
HSUPA_Middle_Subtest1	4.190	4.735
HSUPA_High_Subtest1	4.180	4.745

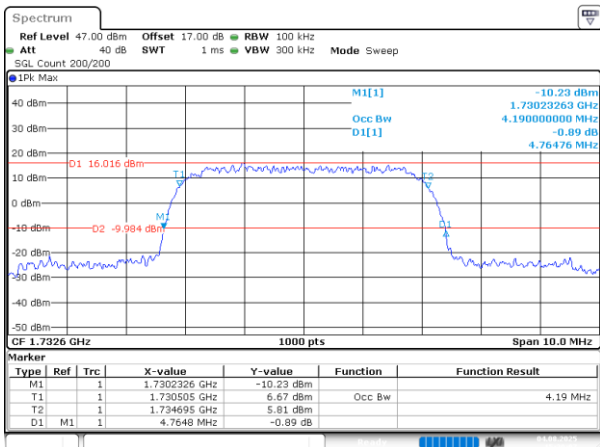
WCDMA Band 4, Normal

R99_Low



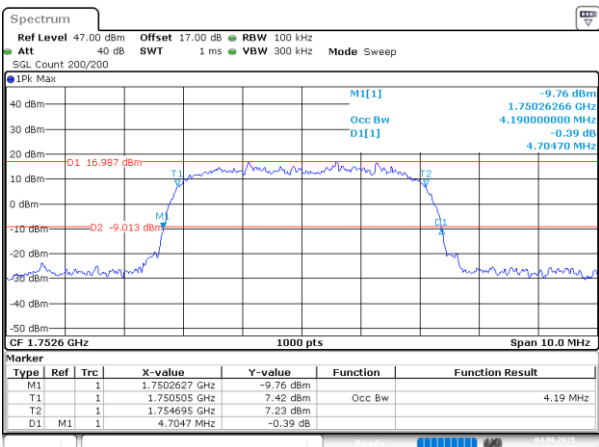
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R99_Middle



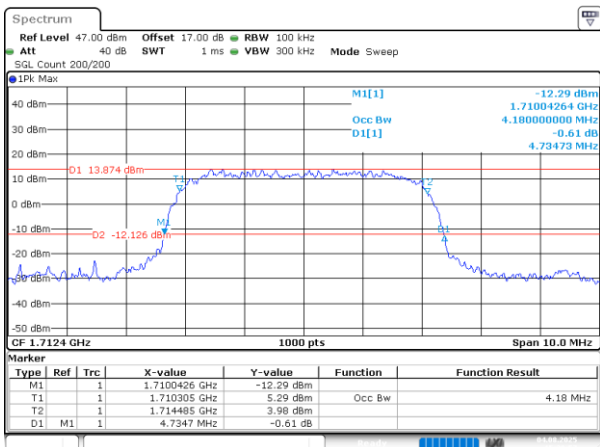
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R99_High



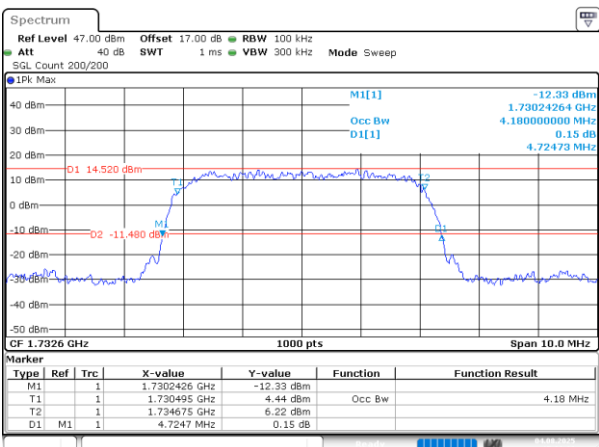
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HSDPA_Low_Subtest1



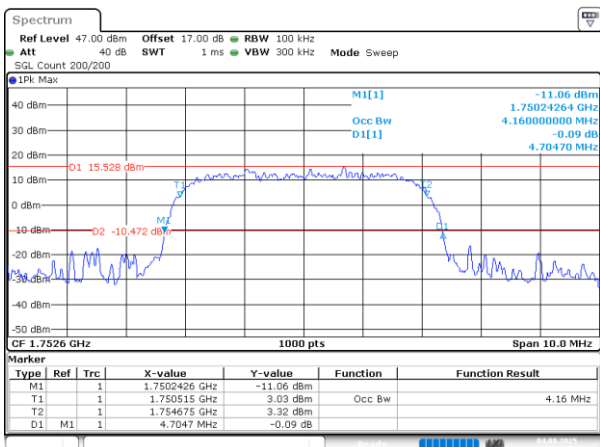
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HSDPA_Middle_Subtest1



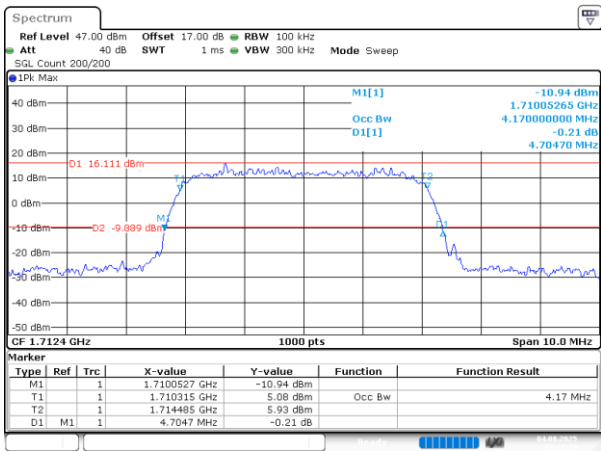
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HSDPA_High_Subtest1



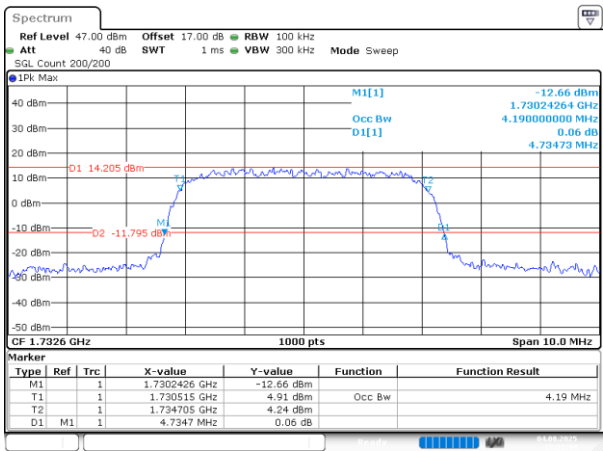
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Date: 4.AUG.2025 15:21:51

HSUPA_Low_Subtest1



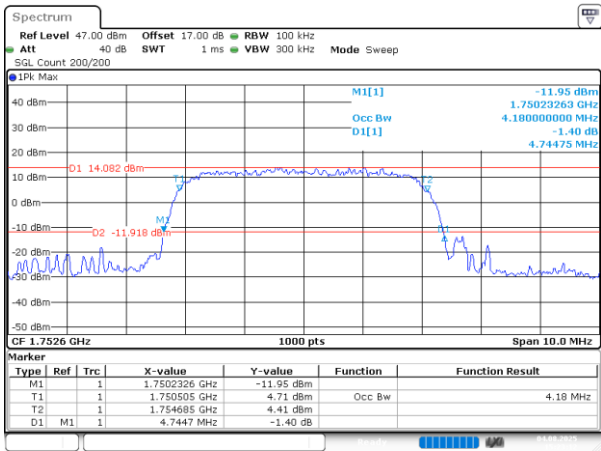
ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 4.AUG.2025 15:22:18

HSUPA_Middle_Subtest1



ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 4.AUG.2025 15:22:44

HSUPA_High_Subtest1

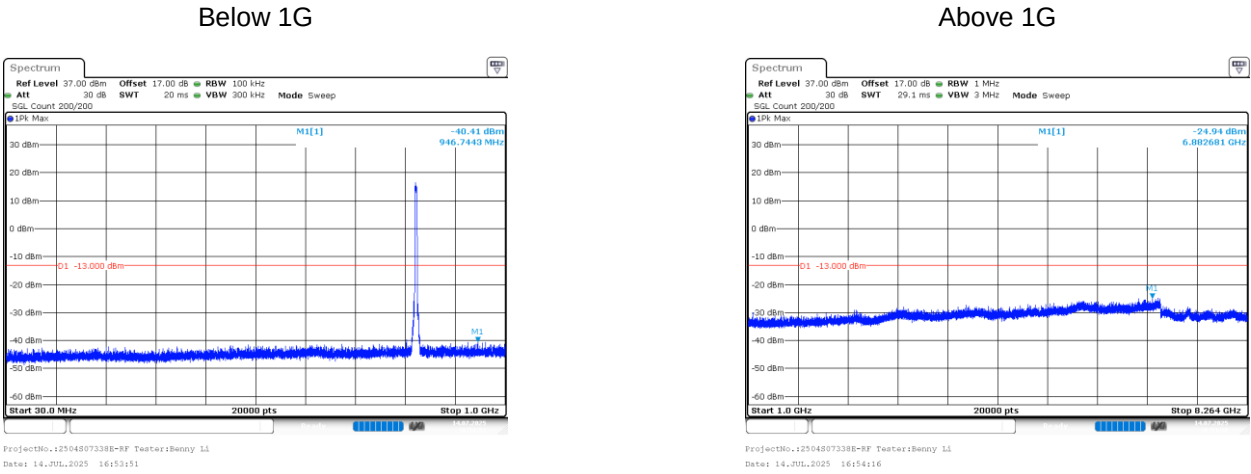


ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 4.AUG.2025 15:23:11

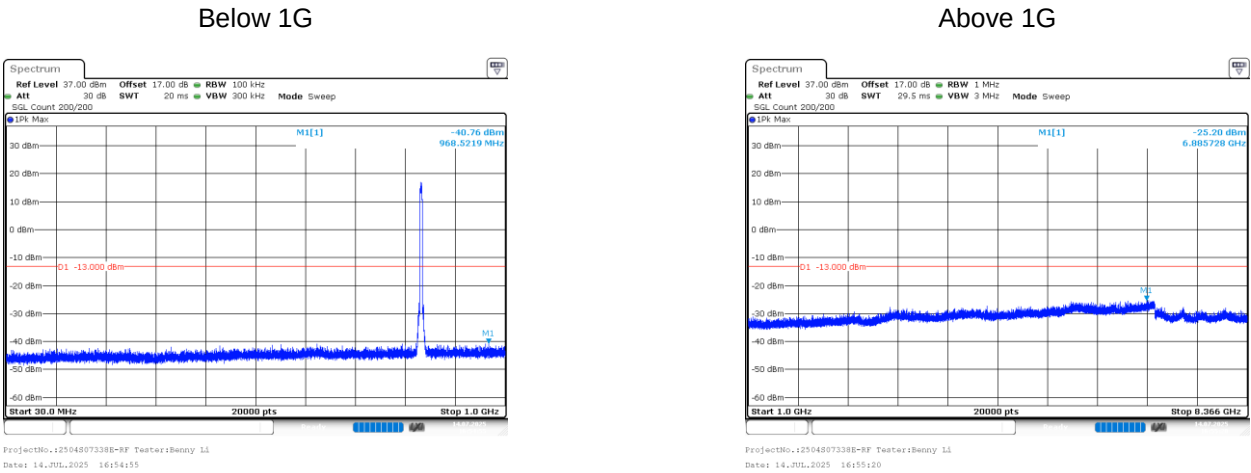
Spurious Emissions at Antenna Terminal

FCC Part 22H
WCDMA Band 5, Normal
Worst case

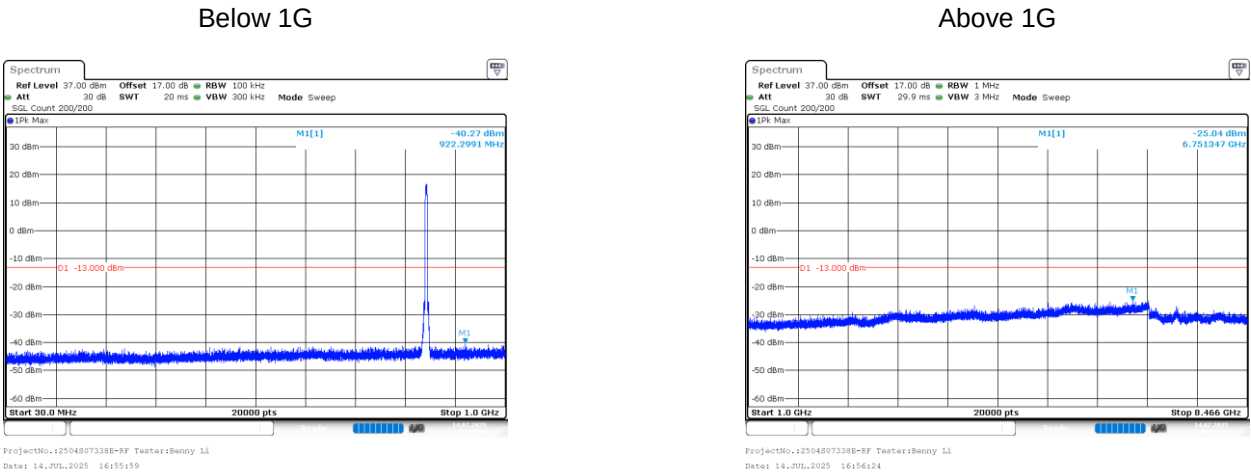
R99_Low



R99_Middle

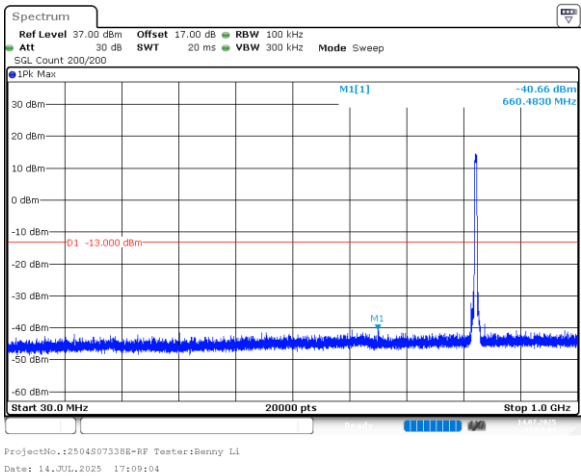


R99_High

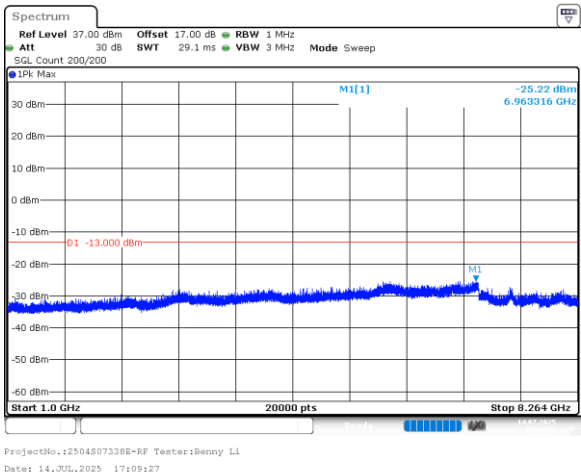


HSDPA_Low_Subtest1

Below 1G

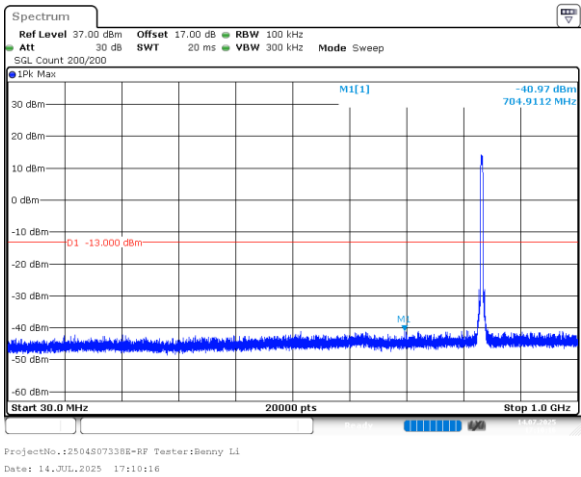


Above 1G

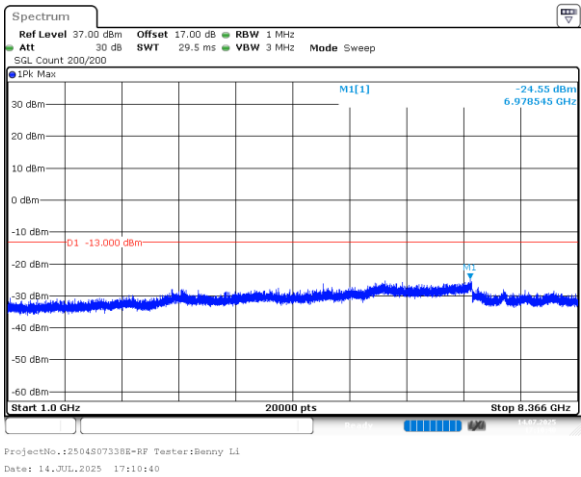


HSDPA_Middle_Subtest1

Below 1G

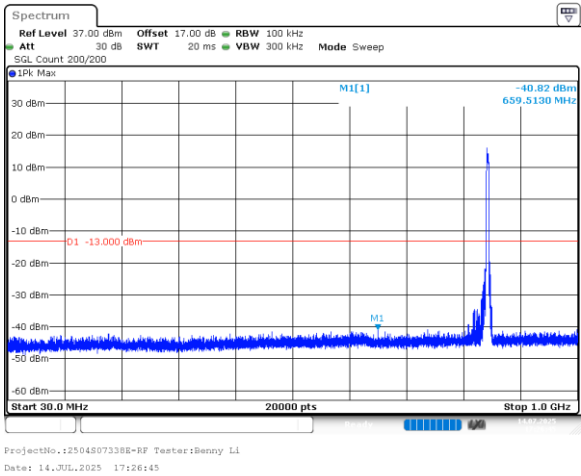


Above 1G

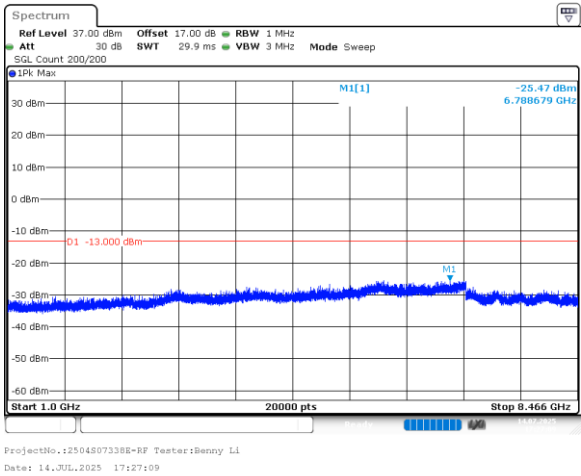


HSDPA_High_Subtest1

Below 1G

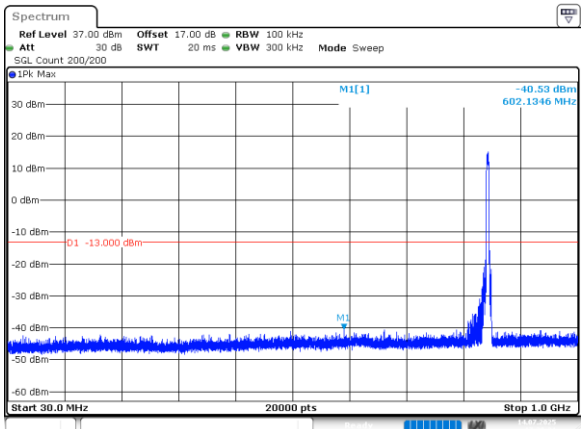


Above 1G



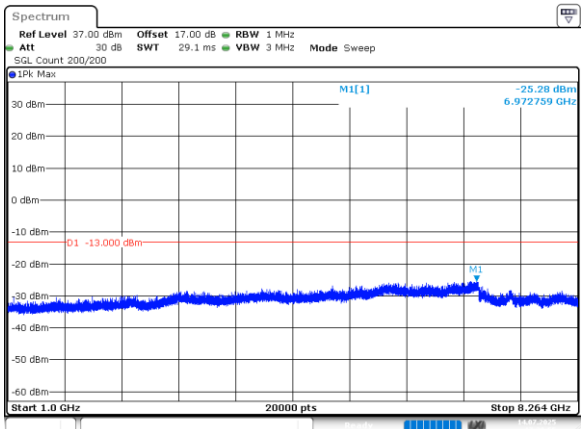
HSUPA_Low_Subtest1

Below 1G



ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 14.JUL.2025 17:28:31

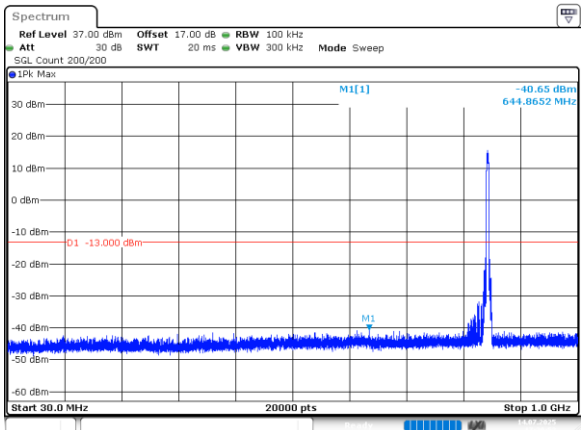
Above 1G



ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 14.JUL.2025 17:28:55

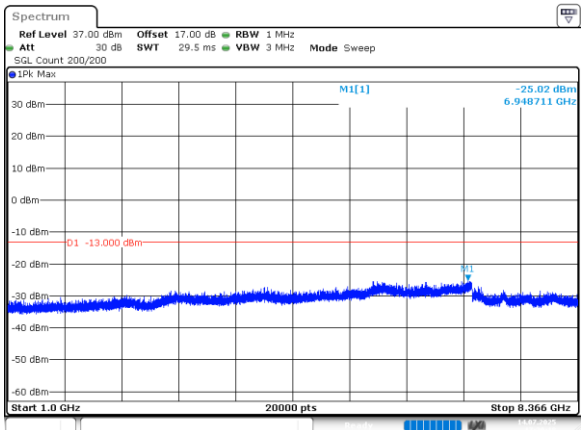
HSUPA_Middle_Subtest1

Below 1G



ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 14.JUL.2025 17:29:53

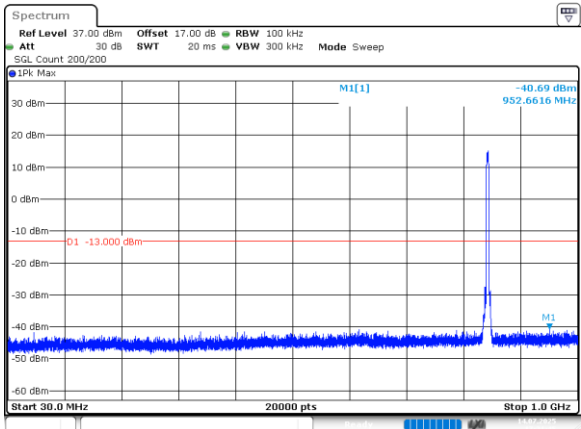
Above 1G



ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 14.JUL.2025 17:30:18

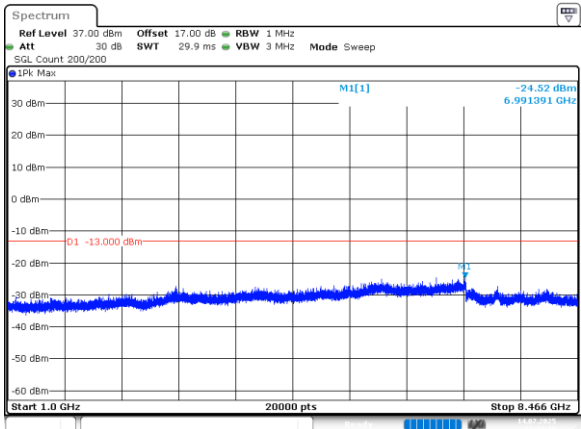
HSUPA_High_Subtest1

Below 1G



ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 14.JUL.2025 17:31:45

Above 1G



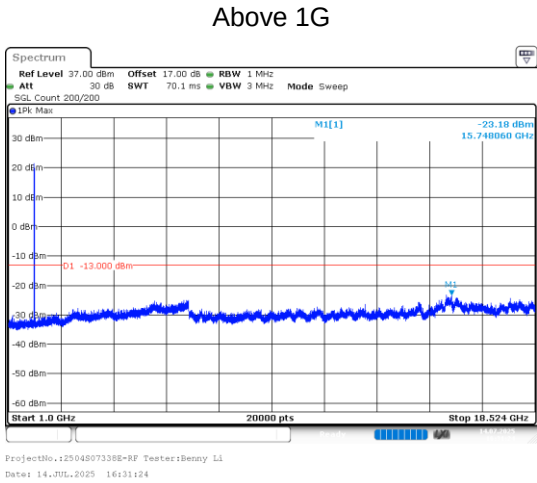
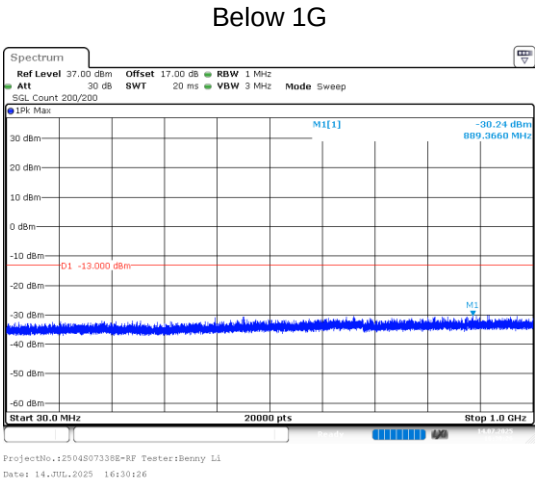
ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 14.JUL.2025 17:32:10

FCC Part 24E

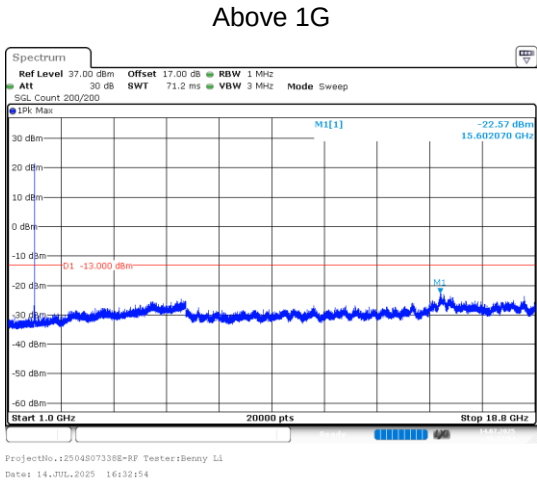
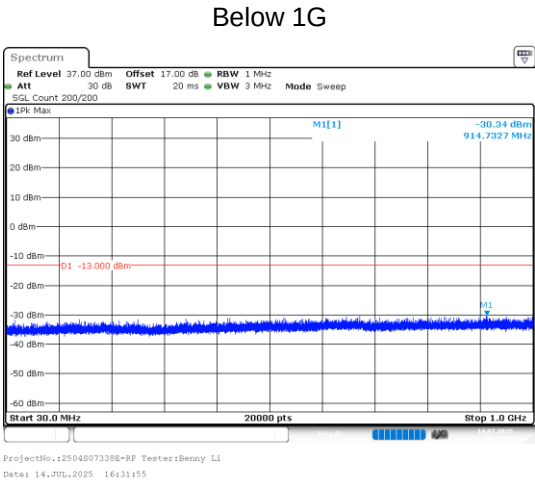
WCDMA Band 2, Normal

Worst case

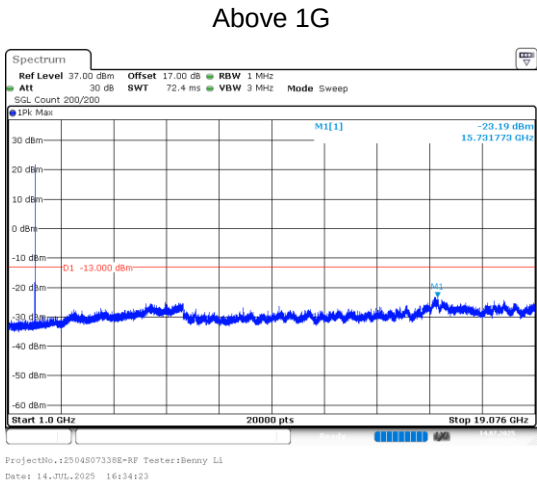
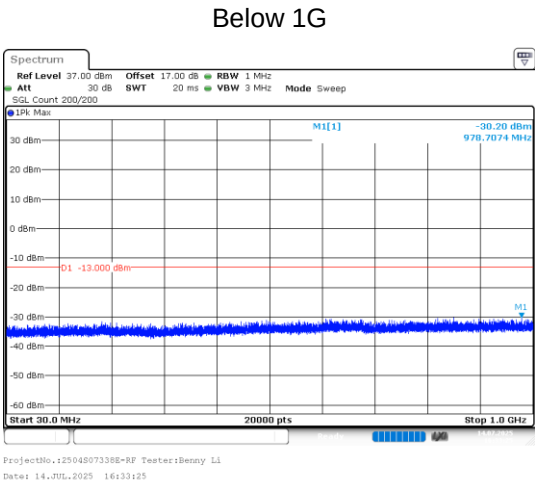
R99_Low



R99_Middle

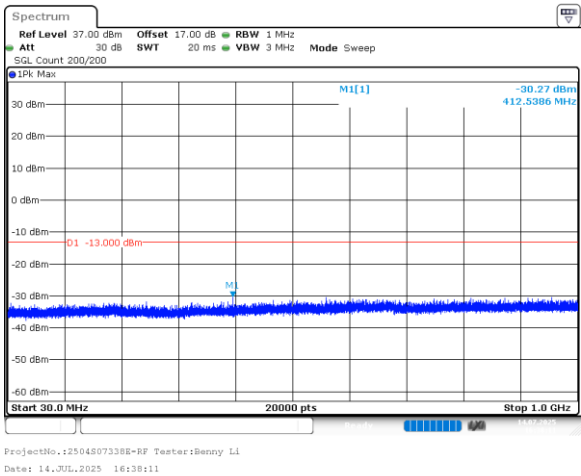


R99_High

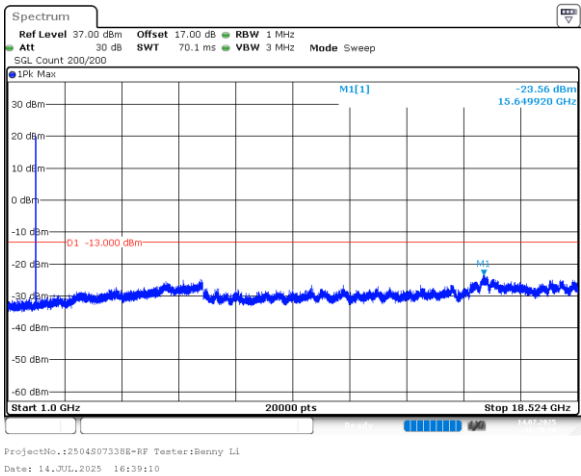


HSDPA_Low_Subtest1

Below 1G

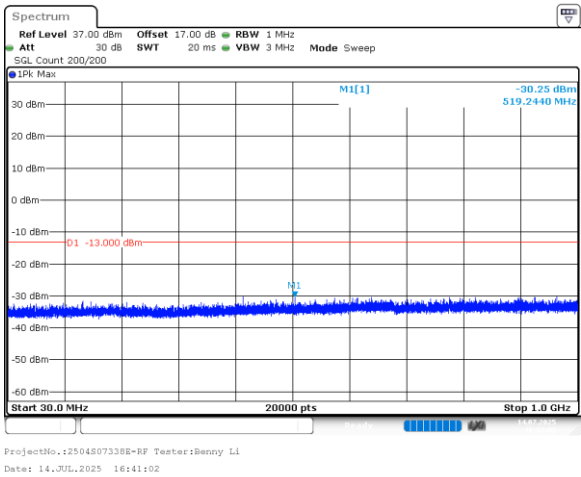


Above 1G

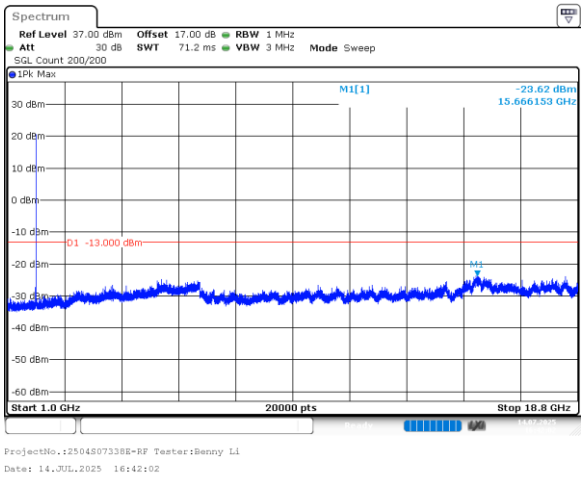


HSDPA_Middle_Subtest1

Below 1G

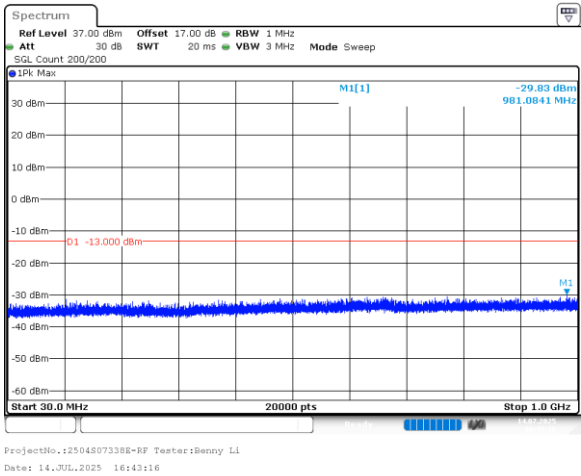


Above 1G

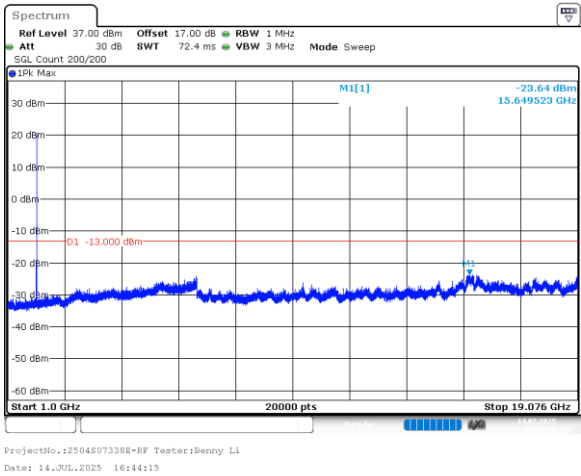


HSDPA_High_Subtest1

Below 1G

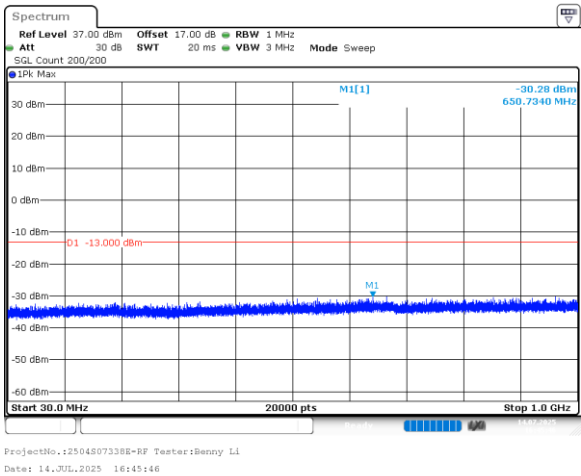


Above 1G

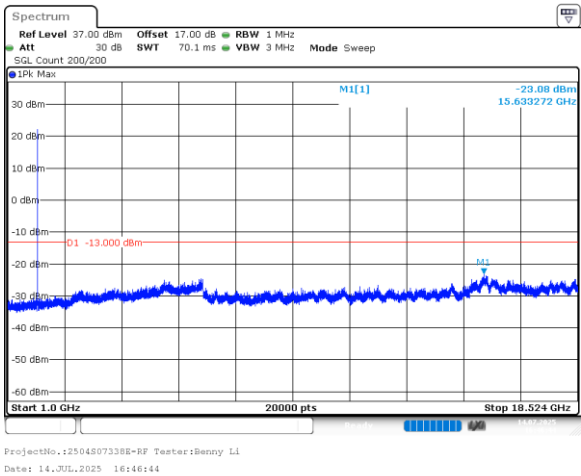


HSUPA_Low_Subtest1

Below 1G

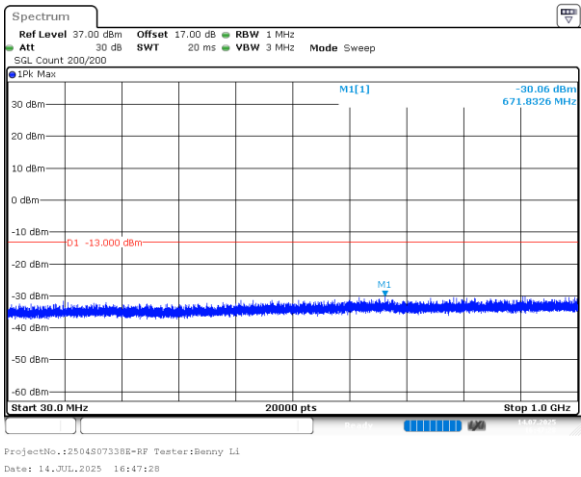


Above 1G

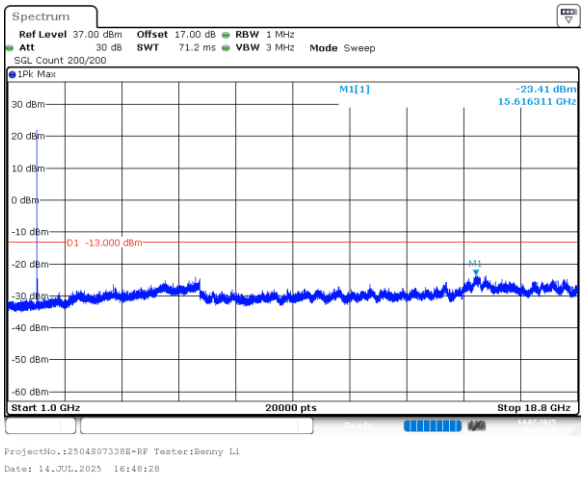


HSUPA_Middle_Subtest1

Below 1G

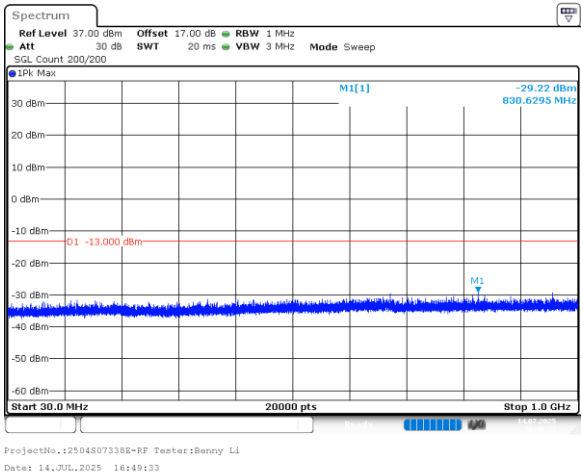


Above 1G

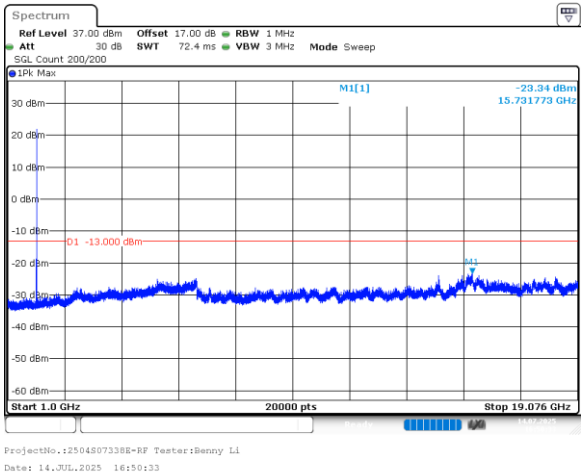


HSUPA_High_Subtest1

Below 1G



Above 1G

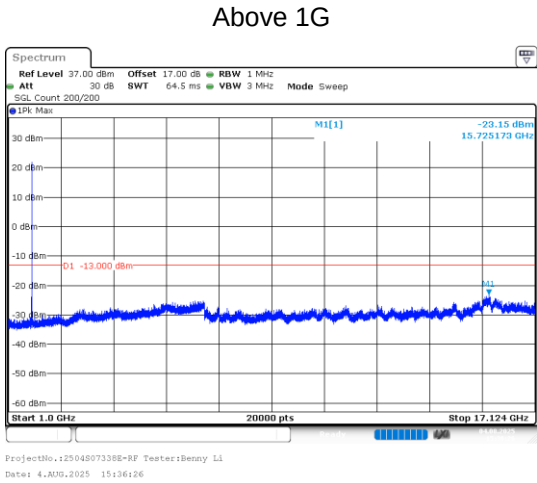
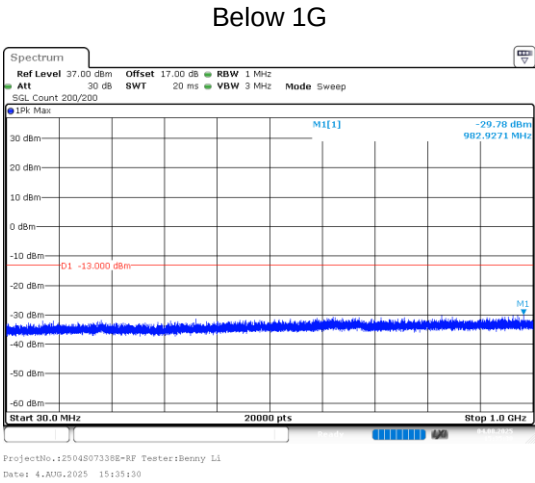


FCC Part 27

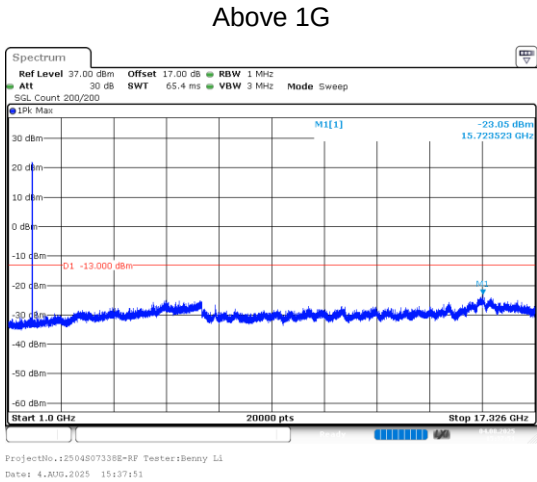
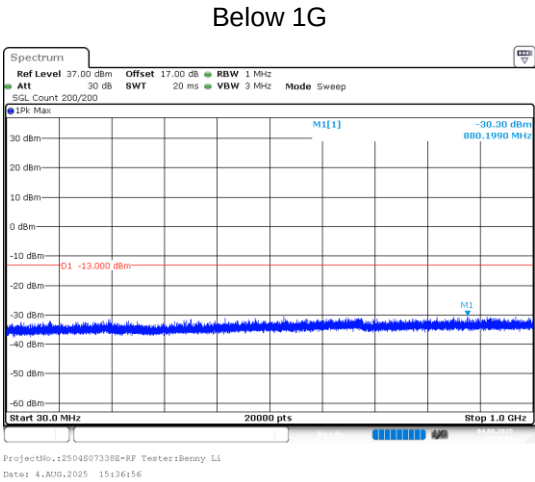
WCDMA Band 4, Normal

Worst case

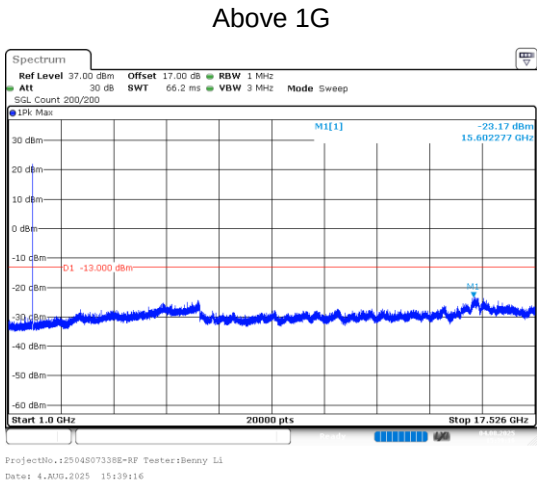
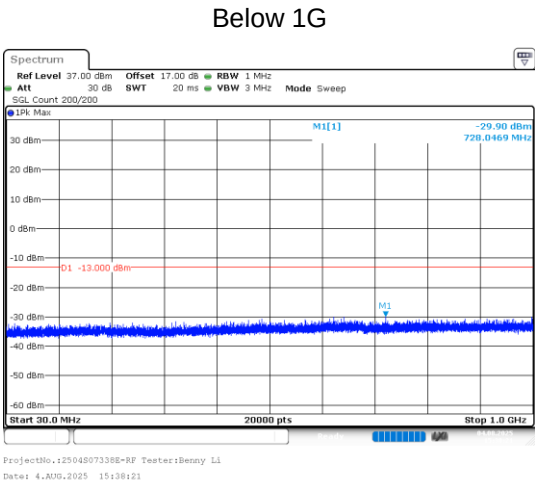
R99_Low



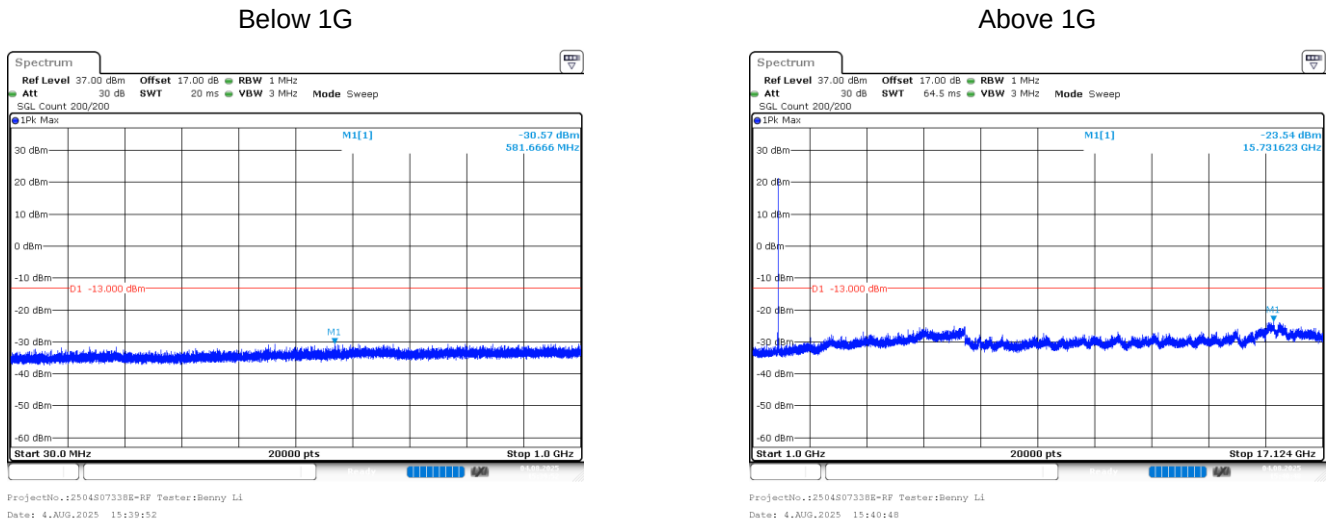
R99_Middle



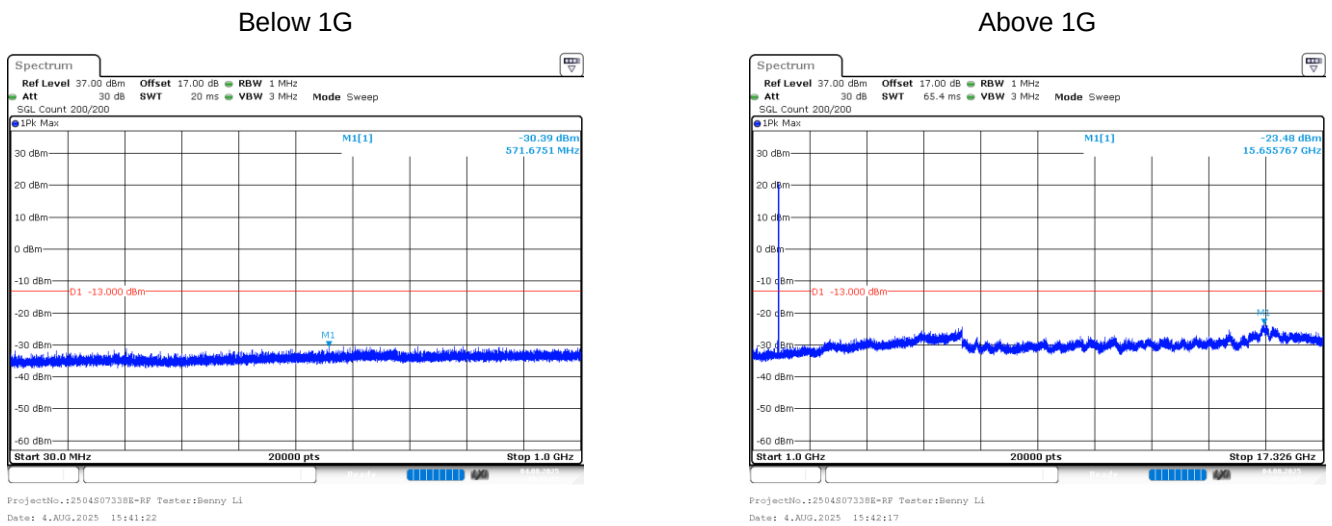
R99_High



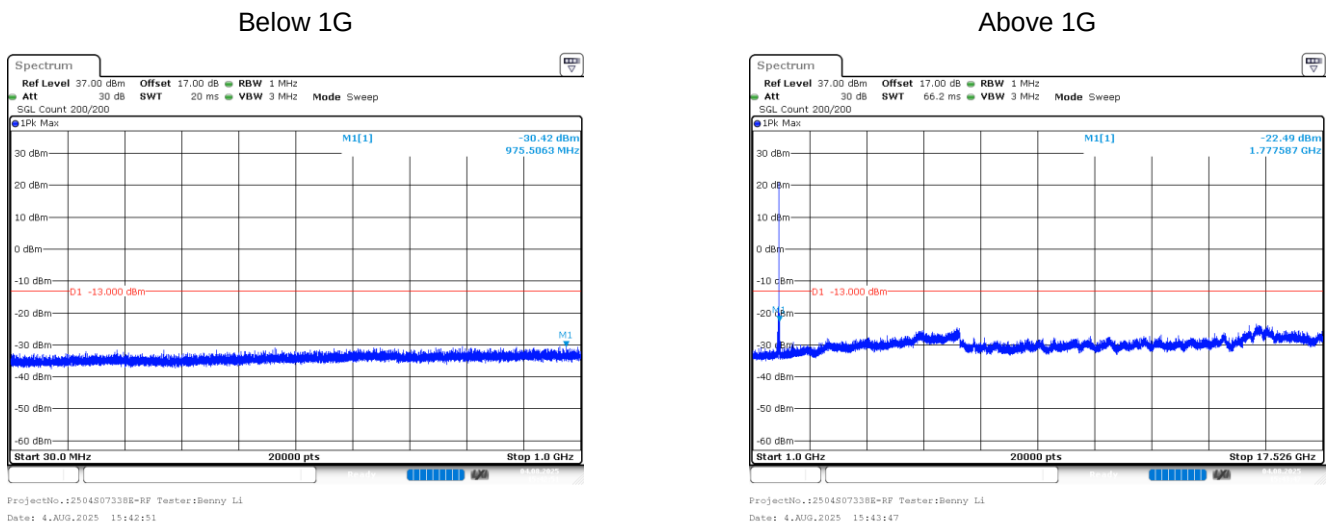
HSDPA_Low_Subtest1



HSDPA_Middle_Subtest1

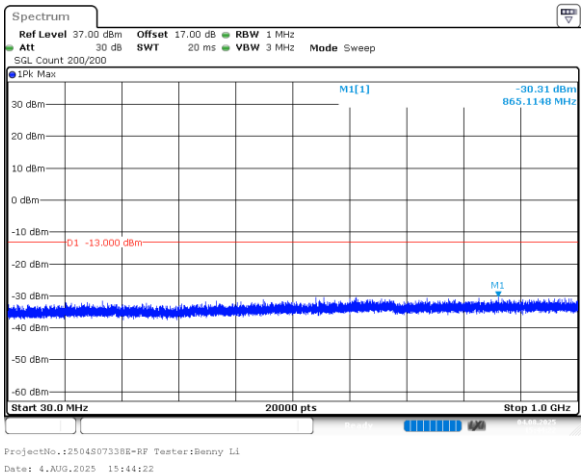


HSDPA_High_Subtest1

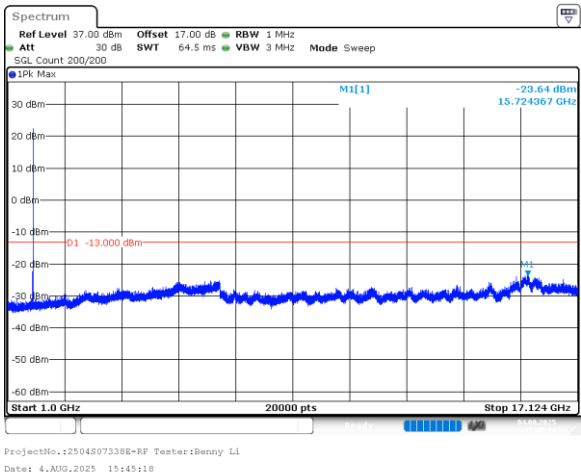


HSUPA_Low_Subtest1

Below 1G

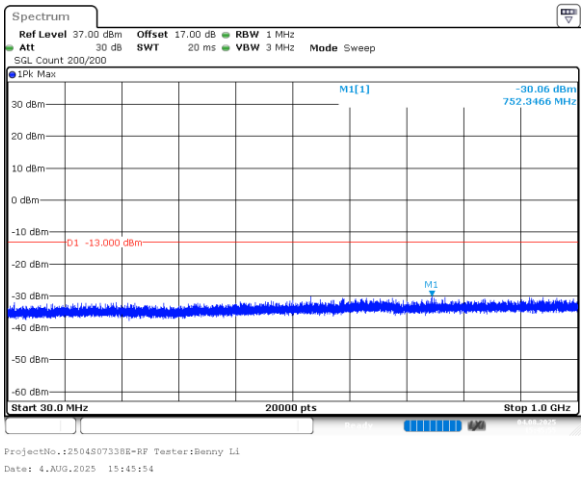


Above 1G

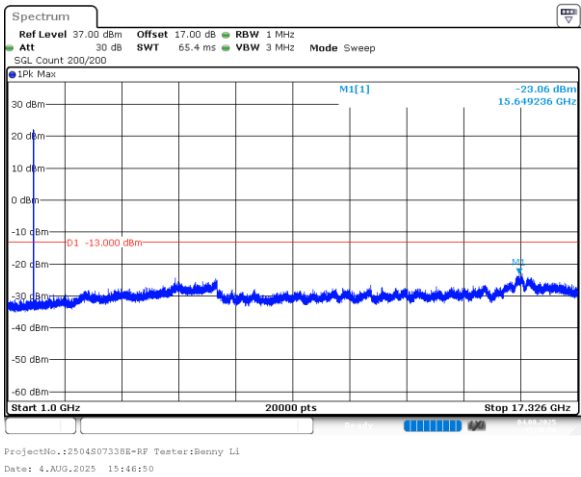


HSUPA_Middle_Subtest1

Below 1G

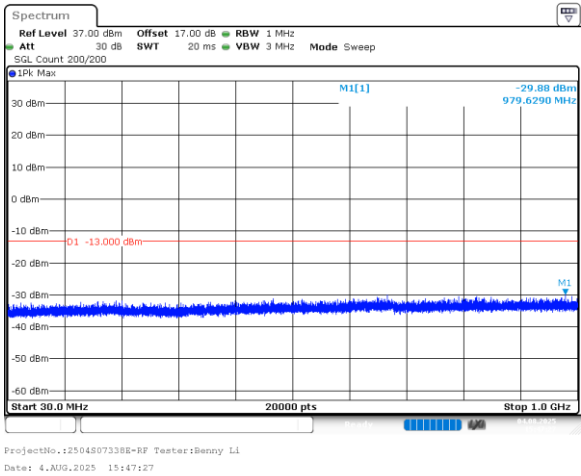


Above 1G

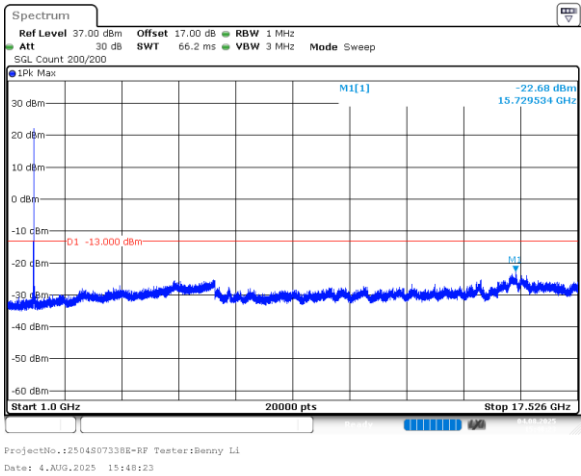


HSUPA_High_Subtest1

Below 1G



Above 1G

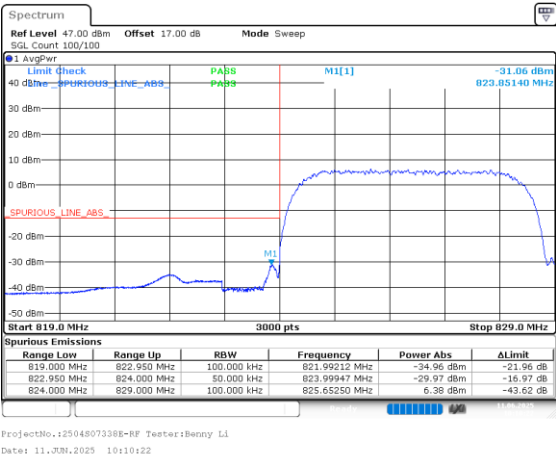


Out of band emission,Band Edge

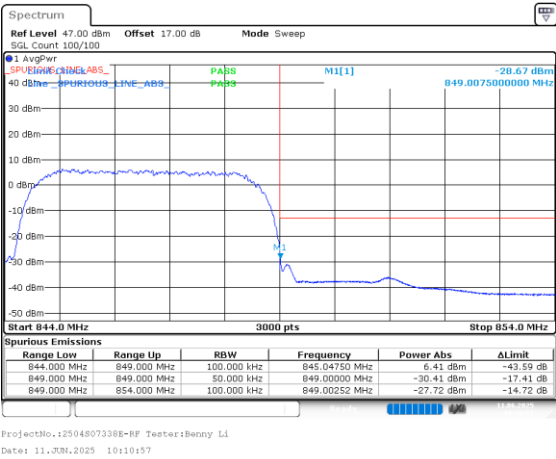
FCC Part 22H

WCDMA Band 5, Normal

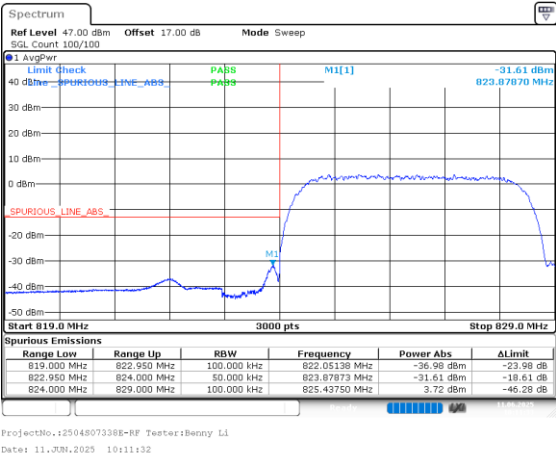
R99_Low



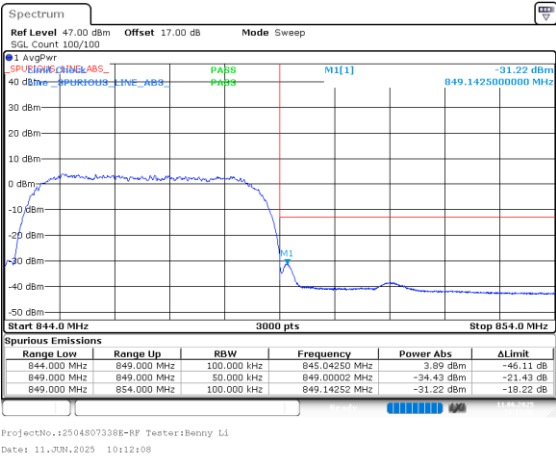
R99_High



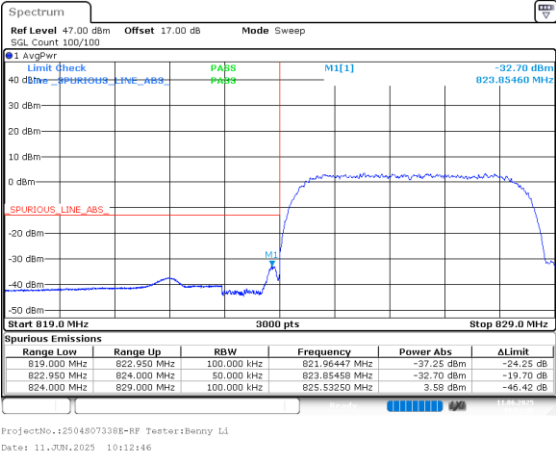
HSDPA_Low_Subtest1



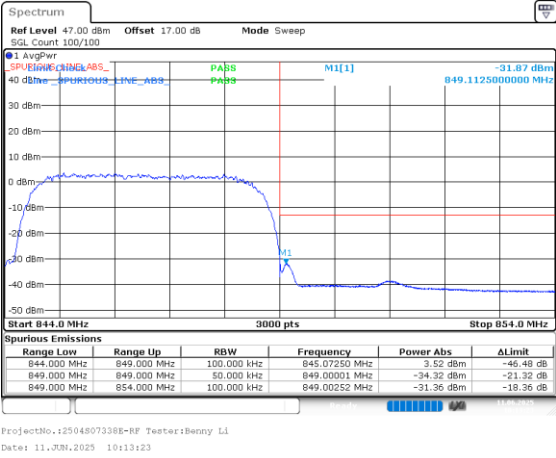
HSDPA_High_Subtest1



HSUPA_Low_Subtest1



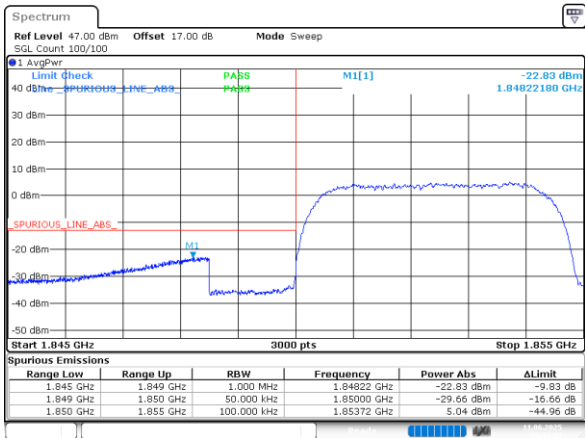
HSUPA_High_Subtest1



FCC Part 24E

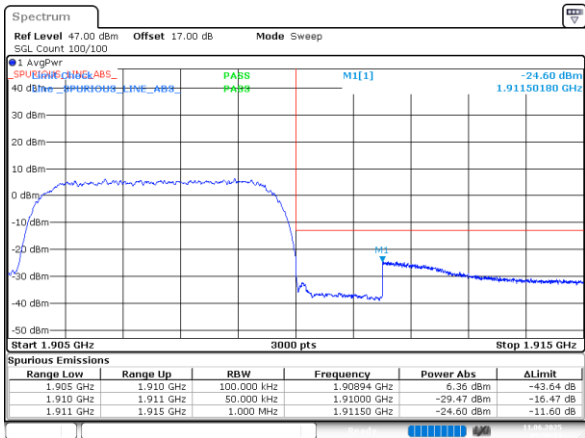
WCDMA Band 2, Normal

R99_Low



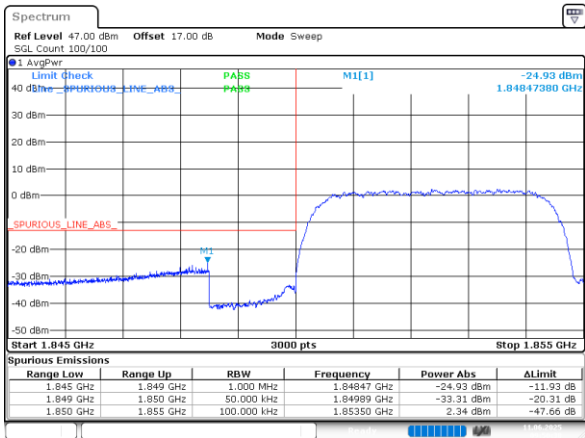
ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 11.JUN.2025 09:49:50

R99_High



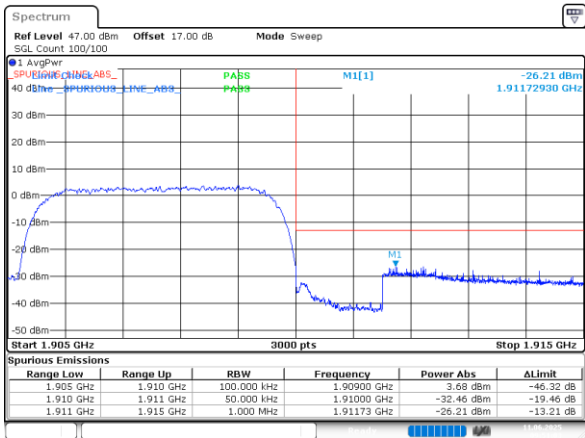
ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 11.JUN.2025 09:50:13

HSDPA_Low_Subtest1



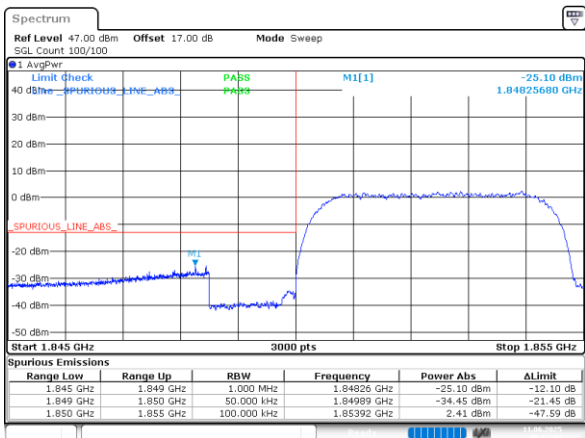
ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 11.JUN.2025 09:50:37

HSDPA_High_Subtest1



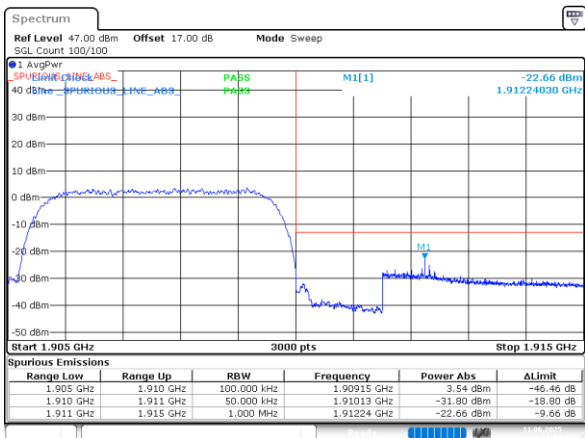
ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 11.JUN.2025 09:51:03

HSUPA_Low_Subtest1



ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 11.JUN.2025 09:51:30

HSUPA_High_Subtest1

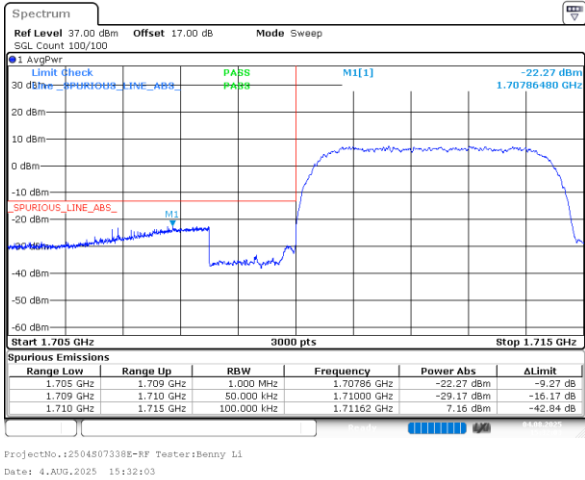


ProjectNo.:2504S07338E-RF Tester:Benny Li
Date: 11.JUN.2025 09:51:55

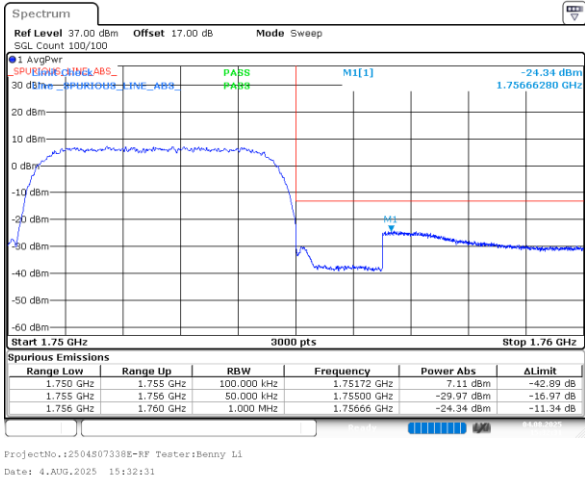
FCC Part 27

WCDMA Band 4, Normal

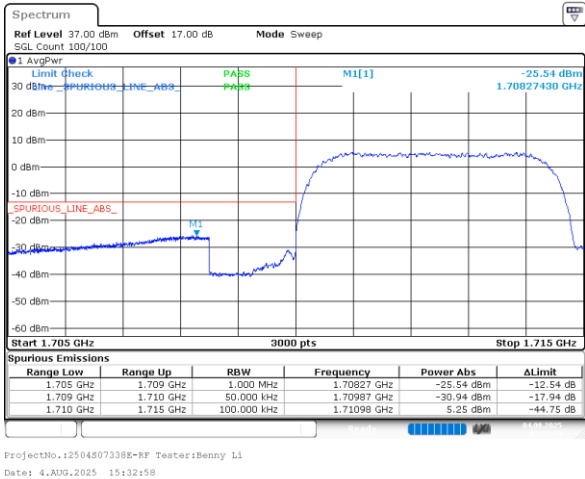
R99_Low



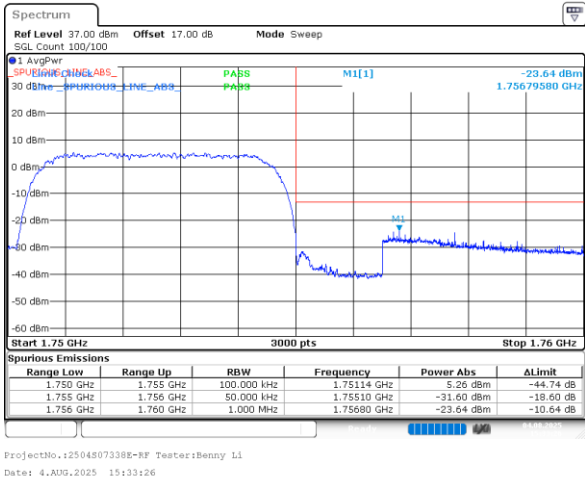
R99_High



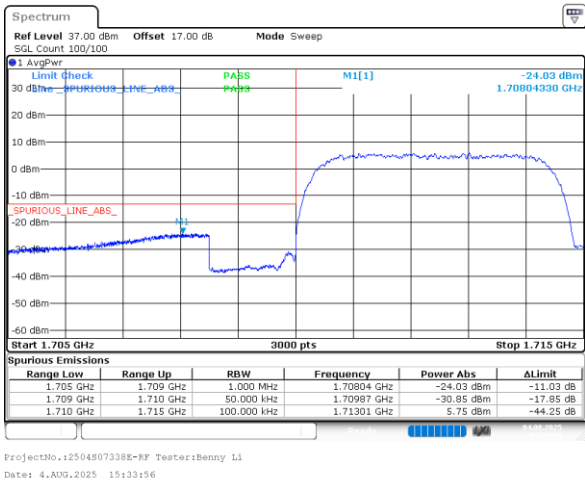
HSDPA_Low_Subtest1



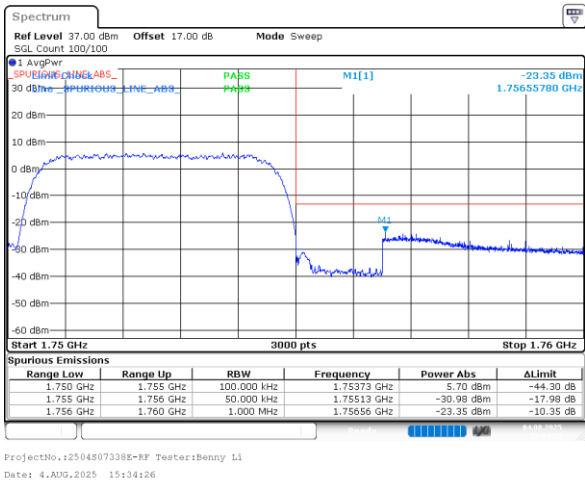
HSDPA_High_Subtest1



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	-9.3	-0.0113	±2.5	Pass
R99_Low_T1/VN	826.4	-9.4	-0.0114	±2.5	Pass
R99_Low_T2/VN	826.4	-7.2	-0.0087	±2.5	Pass
R99_Low_T3/VN	826.4	-4.6	-0.0055	±2.5	Pass
R99_Low_T4/VN	826.4	-9.4	-0.0114	±2.5	Pass
R99_Low_T5/VN	826.4	-3.3	-0.0039	±2.5	Pass
R99_Low_T6/VN	826.4	-7.6	-0.0092	±2.5	Pass
R99_Low_T7/VN	826.4	-8.0	-0.0096	±2.5	Pass
R99_Low_T8/VN	826.4	-6.1	-0.0074	±2.5	Pass
R99_Low_TN/VH	826.4	-11.6	-0.0141	±2.5	Pass
R99_Low_TN/VL	826.4	-8.6	-0.0105	±2.5	Pass
R99_Middle_TN/VN	836.6	-12.0	-0.0143	±2.5	Pass
R99_Middle_T1/VN	836.6	-11.3	-0.0135	±2.5	Pass
R99_Middle_T2/VN	836.6	-10.7	-0.0128	±2.5	Pass
R99_Middle_T3/VN	836.6	-10.5	-0.0126	±2.5	Pass
R99_Middle_T4/VN	836.6	-9.8	-0.0118	±2.5	Pass
R99_Middle_T5/VN	836.6	-12.5	-0.0149	±2.5	Pass
R99_Middle_T6/VN	836.6	-9.8	-0.0117	±2.5	Pass
R99_Middle_T7/VN	836.6	-10.0	-0.0120	±2.5	Pass
R99_Middle_T8/VN	836.6	-11.5	-0.0138	±2.5	Pass
R99_Middle_TN/VH	836.6	-11.8	-0.0141	±2.5	Pass
R99_Middle_TN/VL	836.6	-9.8	-0.0117	±2.5	Pass
R99_High_TN/VN	846.6	-9.5	-0.0112	±2.5	Pass
R99_High_T1/VN	846.6	-9.8	-0.0116	±2.5	Pass
R99_High_T2/VN	846.6	-11.4	-0.0135	±2.5	Pass
R99_High_T3/VN	846.6	-8.8	-0.0104	±2.5	Pass
R99_High_T4/VN	846.6	-8.2	-0.0097	±2.5	Pass
R99_High_T5/VN	846.6	-9.4	-0.0111	±2.5	Pass
R99_High_T6/VN	846.6	-10.3	-0.0121	±2.5	Pass
R99_High_T7/VN	846.6	-9.5	-0.0112	±2.5	Pass
R99_High_T8/VN	846.6	-10.8	-0.0127	±2.5	Pass

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
R99_High_TN/VH	846.6	-9.4	-0.0111	±2.5	Pass
R99_High_TN/VL	846.6	-9.6	-0.0114	±2.5	Pass
HSDPA_Low_Subtest1_TN/VN	826.4	-11.4	-0.0138	±2.5	Pass
HSDPA_Low_Subtest1_T1/VN	826.4	-11.7	-0.0141	±2.5	Pass
HSDPA_Low_Subtest1_T2/VN	826.4	-11.8	-0.0143	±2.5	Pass
HSDPA_Low_Subtest1_T3/VN	826.4	-9.9	-0.0120	±2.5	Pass
HSDPA_Low_Subtest1_T4/VN	826.4	-10.3	-0.0125	±2.5	Pass
HSDPA_Low_Subtest1_T5/VN	826.4	-11.1	-0.0135	±2.5	Pass
HSDPA_Low_Subtest1_T6/VN	826.4	-10.4	-0.0126	±2.5	Pass
HSDPA_Low_Subtest1_T7/VN	826.4	-11.2	-0.0136	±2.5	Pass
HSDPA_Low_Subtest1_T8/VN	826.4	-11.5	-0.0139	±2.5	Pass
HSDPA_Low_Subtest1_TN/VH	826.4	-9.8	-0.0118	±2.5	Pass
HSDPA_Low_Subtest1_TN/VL	826.4	-10.3	-0.0124	±2.5	Pass
HSDPA_Middle_Subtest2_TN/VN	836.6	-11.7	-0.0140	±2.5	Pass
HSDPA_Middle_Subtest2_T1/VN	836.6	-9.5	-0.0114	±2.5	Pass
HSDPA_Middle_Subtest2_T2/VN	836.6	-9.6	-0.0114	±2.5	Pass
HSDPA_Middle_Subtest2_T3/VN	836.6	-11.3	-0.0136	±2.5	Pass
HSDPA_Middle_Subtest2_T4/VN	836.6	-11.1	-0.0132	±2.5	Pass
HSDPA_Middle_Subtest2_T5/VN	836.6	-9.9	-0.0118	±2.5	Pass
HSDPA_Middle_Subtest2_T6/VN	836.6	-9.5	-0.0114	±2.5	Pass
HSDPA_Middle_Subtest2_T7/VN	836.6	-11.0	-0.0131	±2.5	Pass
HSDPA_Middle_Subtest2_T8/VN	836.6	-10.2	-0.0121	±2.5	Pass
HSDPA_Middle_Subtest2_TN/VH	836.6	-10.6	-0.0126	±2.5	Pass
HSDPA_Middle_Subtest2_TN/VL	836.6	-9.8	-0.0117	±2.5	Pass
HSDPA_High_Subtest1_TN/VN	846.6	-10.3	-0.0122	±2.5	Pass
HSDPA_High_Subtest1_T1/VN	846.6	-10.6	-0.0125	±2.5	Pass
HSDPA_High_Subtest1_T2/VN	846.6	-8.6	-0.0101	±2.5	Pass
HSDPA_High_Subtest1_T3/VN	846.6	-10.3	-0.0121	±2.5	Pass
HSDPA_High_Subtest1_T4/VN	846.6	-10.5	-0.0124	±2.5	Pass
HSDPA_High_Subtest1_T5/VN	846.6	-10.6	-0.0125	±2.5	Pass
HSDPA_High_Subtest1_T6/VN	846.6	-10.3	-0.0122	±2.5	Pass
HSDPA_High_Subtest1_T7/VN	846.6	-8.7	-0.0103	±2.5	Pass
HSDPA_High_Subtest1_T8/VN	846.6	-9.2	-0.0108	±2.5	Pass
HSDPA_High_Subtest1_TN/VH	846.6	-10.8	-0.0127	±2.5	Pass
HSDPA_High_Subtest1_TN/VL	846.6	-9.5	-0.0112	±2.5	Pass

Mode	Test Channel (MHz)	Frequency Error		Limit (ppm)	Verdict
		(Hz)	(ppm)		
HSUPA_Low_Subtest1_TN/VN	826.4	-10.0	-0.0121	±2.5	Pass
HSUPA_Low_Subtest1_T1/VN	826.4	-10.9	-0.0132	±2.5	Pass
HSUPA_Low_Subtest1_T2/VN	826.4	-10.6	-0.0128	±2.5	Pass
HSUPA_Low_Subtest1_T3/VN	826.4	-8.9	-0.0107	±2.5	Pass
HSUPA_Low_Subtest1_T4/VN	826.4	-10.9	-0.0132	±2.5	Pass
HSUPA_Low_Subtest1_T5/VN	826.4	-11.6	-0.0140	±2.5	Pass
HSUPA_Low_Subtest1_T6/VN	826.4	-10.4	-0.0126	±2.5	Pass
HSUPA_Low_Subtest1_T7/VN	826.4	-11.1	-0.0134	±2.5	Pass
HSUPA_Low_Subtest1_T8/VN	826.4	-11.8	-0.0143	±2.5	Pass
HSUPA_Low_Subtest1_TN/VH	826.4	-10.4	-0.0125	±2.5	Pass
HSUPA_Low_Subtest1_TN/VL	826.4	-13.2	-0.0159	±2.5	Pass
HSUPA_Middle_Subtest1_TN/VN	836.6	-11.4	-0.0137	±2.5	Pass
HSUPA_Middle_Subtest1_T1/VN	836.6	-9.3	-0.0111	±2.5	Pass
HSUPA_Middle_Subtest1_T2/VN	836.6	-10.7	-0.0128	±2.5	Pass
HSUPA_Middle_Subtest1_T3/VN	836.6	-9.6	-0.0115	±2.5	Pass
HSUPA_Middle_Subtest1_T4/VN	836.6	-12.6	-0.0150	±2.5	Pass
HSUPA_Middle_Subtest1_T5/VN	836.6	-9.6	-0.0114	±2.5	Pass
HSUPA_Middle_Subtest1_T6/VN	836.6	-11.3	-0.0135	±2.5	Pass
HSUPA_Middle_Subtest1_T7/VN	836.6	-11.1	-0.0133	±2.5	Pass
HSUPA_Middle_Subtest1_T8/VN	836.6	-11.8	-0.0141	±2.5	Pass
HSUPA_Middle_Subtest1_TN/VH	836.6	-10.4	-0.0124	±2.5	Pass
HSUPA_Middle_Subtest1_TN/VL	836.6	-9.4	-0.0112	±2.5	Pass
HSUPA_High_Subtest1_TN/VN	846.6	-10.8	-0.0127	±2.5	Pass
HSUPA_High_Subtest1_T1/VN	846.6	-11.7	-0.0139	±2.5	Pass
HSUPA_High_Subtest1_T2/VN	846.6	-10.1	-0.0119	±2.5	Pass
HSUPA_High_Subtest1_T3/VN	846.6	-8.7	-0.0102	±2.5	Pass
HSUPA_High_Subtest1_T4/VN	846.6	-11.1	-0.0131	±2.5	Pass
HSUPA_High_Subtest1_T5/VN	846.6	-9.4	-0.0111	±2.5	Pass
HSUPA_High_Subtest1_T6/VN	846.6	-10.7	-0.0127	±2.5	Pass
HSUPA_High_Subtest1_T7/VN	846.6	-10.1	-0.0119	±2.5	Pass
HSUPA_High_Subtest1_T8/VN	846.6	-9.9	-0.0117	±2.5	Pass
HSUPA_High_Subtest1_TN/VH	846.6	-10.8	-0.0128	±2.5	Pass
HSUPA_High_Subtest1_TN/VL	846.6	-8.7	-0.0102	±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	1850.315	1850	Pass
R99_Low_T2/VN	1850.315	1850	Pass
R99_Low_T3/VN	1850.345	1850	Pass
R99_Low_T4/VN	1850.315	1850	Pass
R99_Low_T5/VN	1850.325	1850	Pass
R99_Low_T6/VN	1850.315	1850	Pass
R99_Low_T7/VN	1850.305	1850	Pass
R99_Low_T8/VN	1850.345	1850	Pass
R99_Low_TN/VH	1850.325	1850	Pass
R99_Low_TN/VL	1850.325	1850	Pass
R99_High_TN/VN	1909.705	1910	Pass
R99_High_T1/VN	1909.695	1910	Pass
R99_High_T2/VN	1909.705	1910	Pass
R99_High_T3/VN	1909.695	1910	Pass
R99_High_T4/VN	1909.705	1910	Pass
R99_High_T5/VN	1909.695	1910	Pass
R99_High_T6/VN	1909.685	1910	Pass
R99_High_T7/VN	1909.735	1910	Pass
R99_High_T8/VN	1909.725	1910	Pass
R99_High_TN/VH	1909.695	1910	Pass
R99_High_TN/VL	1909.695	1910	Pass
HSDPA_Low_Subtest1_TN/VN	1850.345	1850	Pass
HSDPA_Low_Subtest1_T1/VN	1850.335	1850	Pass
HSDPA_Low_Subtest1_T2/VN	1850.305	1850	Pass
HSDPA_Low_Subtest1_T3/VN	1850.325	1850	Pass
HSDPA_Low_Subtest1_T4/VN	1850.315	1850	Pass
HSDPA_Low_Subtest1_T5/VN	1850.325	1850	Pass
HSDPA_Low_Subtest1_T6/VN	1850.335	1850	Pass
HSDPA_Low_Subtest1_T7/VN	1850.325	1850	Pass

Mode	Result (MHz)	Limit (MHz)	Verdict
HSDPA_Low_Subtest1_T8/VN	1850.305	1850	Pass
HSDPA_Low_Subtest1_TN/VH	1850.335	1850	Pass
HSDPA_Low_Subtest1_TN/VL	1850.335	1850	Pass
HSDPA_High_Subtest1_TN/VN	1909.705	1910	Pass
HSDPA_High_Subtest1_T1/VN	1909.705	1910	Pass
HSDPA_High_Subtest1_T2/VN	1909.695	1910	Pass
HSDPA_High_Subtest1_T3/VN	1909.675	1910	Pass
HSDPA_High_Subtest1_T4/VN	1909.705	1910	Pass
HSDPA_High_Subtest1_T5/VN	1909.695	1910	Pass
HSDPA_High_Subtest1_T6/VN	1909.715	1910	Pass
HSDPA_High_Subtest1_T7/VN	1909.685	1910	Pass
HSDPA_High_Subtest1_T8/VN	1909.695	1910	Pass
HSDPA_High_Subtest1_TN/VH	1909.695	1910	Pass
HSDPA_High_Subtest1_TN/VL	1909.715	1910	Pass
HSUPA_Low_Subtest1_TN/VN	1850.315	1850	Pass
HSUPA_Low_Subtest1_T1/VN	1850.365	1850	Pass
HSUPA_Low_Subtest1_T2/VN	1850.355	1850	Pass
HSUPA_Low_Subtest1_T3/VN	1850.325	1850	Pass
HSUPA_Low_Subtest1_T4/VN	1850.345	1850	Pass
HSUPA_Low_Subtest1_T5/VN	1850.355	1850	Pass
HSUPA_Low_Subtest1_T6/VN	1850.355	1850	Pass
HSUPA_Low_Subtest1_T7/VN	1850.345	1850	Pass
HSUPA_Low_Subtest1_T8/VN	1850.345	1850	Pass
HSUPA_Low_Subtest1_TN/VH	1850.315	1850	Pass
HSUPA_Low_Subtest1_TN/VL	1850.325	1850	Pass
HSUPA_High_Subtest1_TN/VN	1909.705	1910	Pass
HSUPA_High_Subtest1_T1/VN	1909.705	1910	Pass
HSUPA_High_Subtest1_T2/VN	1909.725	1910	Pass
HSUPA_High_Subtest1_T3/VN	1909.725	1910	Pass
HSUPA_High_Subtest1_T4/VN	1909.695	1910	Pass
HSUPA_High_Subtest1_T5/VN	1909.715	1910	Pass
HSUPA_High_Subtest1_T6/VN	1909.745	1910	Pass
HSUPA_High_Subtest1_T7/VN	1909.715	1910	Pass
HSUPA_High_Subtest1_T8/VN	1909.735	1910	Pass

Mode	Result (MHz)	Limit (MHz)	Verdict
HSUPA_High_Subtest1_TN/VH	1909.735	1910	Pass
HSUPA_High_Subtest1_TN/VL	1909.705	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_T1/VN	1710.275	1710	Pass
R99_Low_T2/VN	1710.275	1710	Pass
R99_Low_T3/VN	1710.275	1710	Pass
R99_Low_T4/VN	1710.265	1710	Pass
R99_Low_T5/VN	1710.315	1710	Pass
R99_Low_T6/VN	1710.275	1710	Pass
R99_Low_T7/VN	1710.265	1710	Pass
R99_Low_T8/VN	1710.295	1710	Pass
R99_Low_TN/VH	1710.285	1710	Pass
R99_Low_TN/VL	1710.285	1710	Pass
R99_High_T1/VN	1754.695	1755	Pass
R99_High_T2/VN	1754.715	1755	Pass
R99_High_T3/VN	1754.675	1755	Pass
R99_High_T4/VN	1754.715	1755	Pass
R99_High_T5/VN	1754.705	1755	Pass
R99_High_T6/VN	1754.705	1755	Pass
R99_High_T7/VN	1754.695	1755	Pass
R99_High_T8/VN	1754.695	1755	Pass
R99_High_TN/VH	1754.725	1755	Pass
R99_High_TN/VL	1754.705	1755	Pass
HSDPA_Low_Subtest1_T1/VN	1710.305	1710	Pass
HSDPA_Low_Subtest1_T2/VN	1710.325	1710	Pass
HSDPA_Low_Subtest1_T3/VN	1710.295	1710	Pass
HSDPA_Low_Subtest1_T4/VN	1710.295	1710	Pass
HSDPA_Low_Subtest1_T5/VN	1710.325	1710	Pass
HSDPA_Low_Subtest1_T6/VN	1710.305	1710	Pass
HSDPA_Low_Subtest1_T7/VN	1710.295	1710	Pass
HSDPA_Low_Subtest1_T8/VN	1710.285	1710	Pass
HSDPA_Low_Subtest1_TN/VH	1710.305	1710	Pass
HSDPA_Low_Subtest1_TN/VL	1710.305	1710	Pass

Mode	Result (MHz)	Limit (MHz)	Verdict
HSDPA_High_Subtest1_T1/VN	1754.705	1755	Pass
HSDPA_High_Subtest1_T2/VN	1754.715	1755	Pass
HSDPA_High_Subtest1_T3/VN	1754.715	1755	Pass
HSDPA_High_Subtest1_T4/VN	1754.675	1755	Pass
HSDPA_High_Subtest1_T5/VN	1754.695	1755	Pass
HSDPA_High_Subtest1_T6/VN	1754.695	1755	Pass
HSDPA_High_Subtest1_T7/VN	1754.685	1755	Pass
HSDPA_High_Subtest1_T8/VN	1754.705	1755	Pass
HSDPA_High_Subtest1_TN/VH	1754.695	1755	Pass
HSDPA_High_Subtest1_TN/VL	1754.685	1755	Pass
HSUPA_Low_Subtest1_T1/VN	1710.305	1710	Pass
HSUPA_Low_Subtest1_T2/VN	1710.315	1710	Pass
HSUPA_Low_Subtest1_T3/VN	1710.325	1710	Pass
HSUPA_Low_Subtest1_T4/VN	1710.315	1710	Pass
HSUPA_Low_Subtest1_T5/VN	1710.265	1710	Pass
HSUPA_Low_Subtest1_T6/VN	1710.305	1710	Pass
HSUPA_Low_Subtest1_T7/VN	1710.295	1710	Pass
HSUPA_Low_Subtest1_T8/VN	1710.295	1710	Pass
HSUPA_Low_Subtest1_TN/VH	1710.305	1710	Pass
HSUPA_Low_Subtest1_TN/VL	1710.295	1710	Pass
HSUPA_High_Subtest1_T1/VN	1754.705	1755	Pass
HSUPA_High_Subtest1_T2/VN	1754.675	1755	Pass
HSUPA_High_Subtest1_T3/VN	1754.695	1755	Pass
HSUPA_High_Subtest1_T4/VN	1754.725	1755	Pass
HSUPA_High_Subtest1_T5/VN	1754.695	1755	Pass
HSUPA_High_Subtest1_T6/VN	1754.685	1755	Pass
HSUPA_High_Subtest1_T7/VN	1754.705	1755	Pass
HSUPA_High_Subtest1_T8/VN	1754.705	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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