
AppendixA: Conducted Power Output Data

Test Result

Rel99:

Band	Channel	Power(dBm)
Band2	9262	22.87
Band2	9400	22.51
Band2	9538	21.85
Band4	1312	22.49
Band4	1413	22.46
Band4	1513	22.54
Band5	4132	23.07
Band5	4182	23.22
Band5	4233	23.24

HSDPA:

Band	Channel	SubTest	Power(dBm)
Band2	9262	1	21.31
Band2	9262	2	21.42
Band2	9262	3	21.43
Band2	9262	4	21.42
Band2	9400	1	21.25
Band2	9400	2	21.25
Band2	9400	3	21.26
Band2	9400	4	21.25
Band2	9538	1	20.71
Band2	9538	2	20.56
Band2	9538	3	20.58
Band2	9538	4	20.58
Band4	1312	1	20.83
Band4	1312	2	20.95
Band4	1312	3	20.96
Band4	1312	4	21.13
Band4	1413	1	21.42
Band4	1413	2	21.43
Band4	1413	3	21.33
Band4	1413	4	21.33
Band4	1513	1	21.32
Band4	1513	2	21.33
Band4	1513	3	21.34
Band4	1513	4	21.35

Band5	4132	1	22.07
Band5	4132	2	21.97
Band5	4132	3	21.97
Band5	4132	4	21.98
Band5	4182	1	22.08
Band5	4182	2	22.08
Band5	4182	3	22.09
Band5	4182	4	22.09
Band5	4233	1	22.19
Band5	4233	2	22.19
Band5	4233	3	22.19
Band5	4233	4	22.19

HSUPA:

Band	Channel	SubTest	Power(dBm)
Band2	9262	1	23.08
Band2	9262	2	21.75
Band2	9262	3	21.88
Band2	9262	4	22.34
Band2	9262	5	23.03
Band2	9400	1	22.85
Band2	9400	2	21.90
Band2	9400	3	21.81
Band2	9400	4	22.45
Band2	9400	5	22.95
Band2	9538	1	21.68
Band2	9538	2	21.54
Band2	9538	3	21.17
Band2	9538	4	21.91
Band2	9538	5	22.26
Band4	1312	1	21.06
Band4	1312	2	19.93
Band4	1312	3	19.46
Band4	1312	4	20.96
Band4	1312	5	21.40
Band4	1413	1	21.61
Band4	1413	2	20.64
Band4	1413	3	19.61
Band4	1413	4	21.04
Band4	1413	5	21.50
Band4	1513	1	21.12
Band4	1513	2	20.17
Band4	1513	3	20.11

Band4	1513	4	20.26
Band4	1513	5	21.43
Band5	4132	1	22.49
Band5	4132	2	22.13
Band5	4132	3	21.70
Band5	4132	4	22.48
Band5	4132	5	23.18
Band5	4182	1	22.47
Band5	4182	2	22.08
Band5	4182	3	21.99
Band5	4182	4	22.58
Band5	4182	5	23.11
Band5	4233	1	21.10
Band5	4233	2	21.87
Band5	4233	3	21.83
Band5	4233	4	22.99
Band5	4233	5	23.34

AppendixB:Peak-to-Average Ratio

Test Result

Rel99:

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.22	13	PASS
Band4	1413	3.1	13	PASS
Band5	4182	3.12	13	PASS

HSDPA:

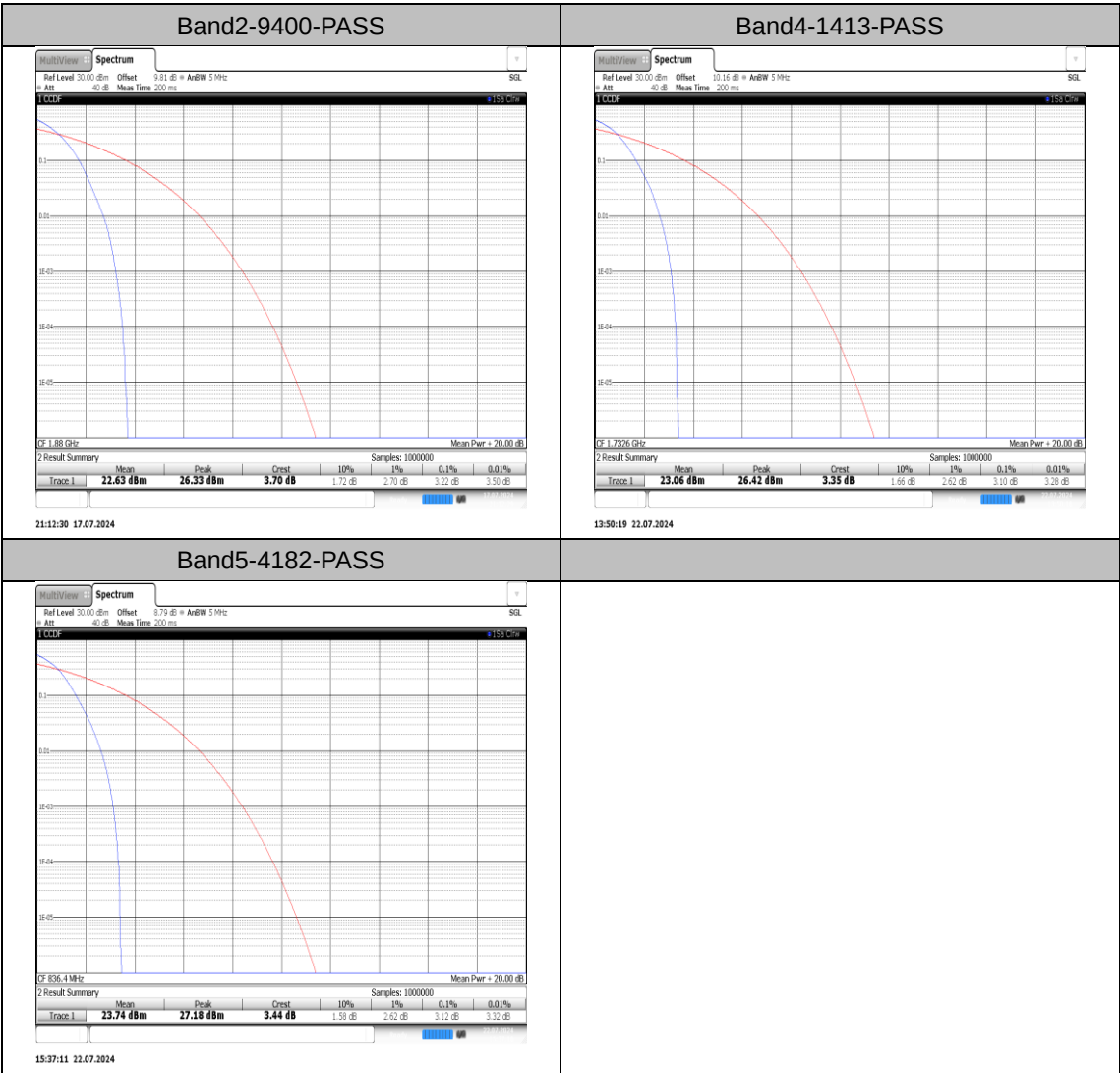
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	4	3.24	13	PASS
Band4	1413	4	3.16	13	PASS
Band5	4182	4	3.04	13	PASS

HSUPA:

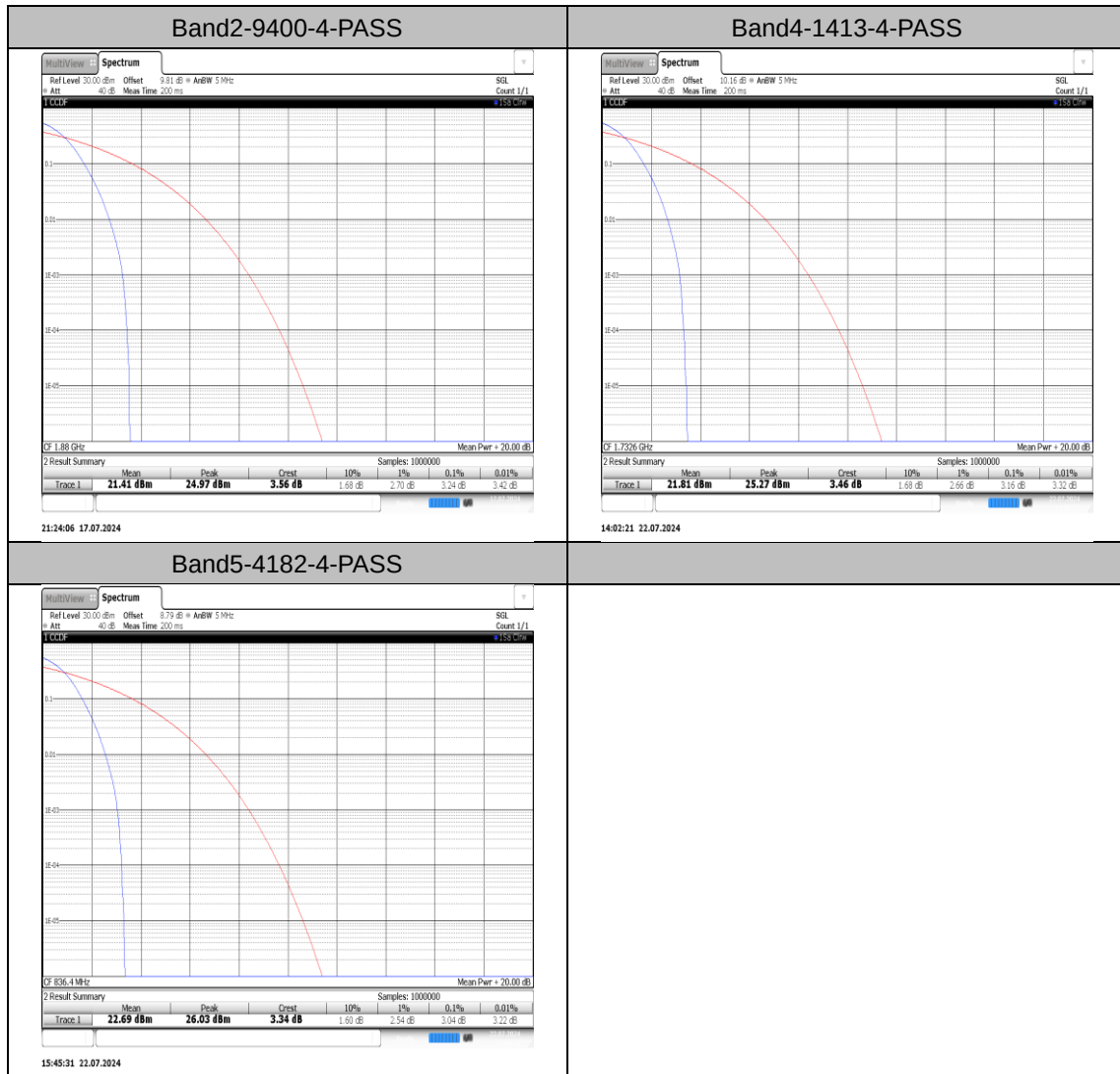
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	5	4.42	13	PASS
Band4	1413	5	4.14	13	PASS
Band5	4182	5	4.12	13	PASS

Test Graphs

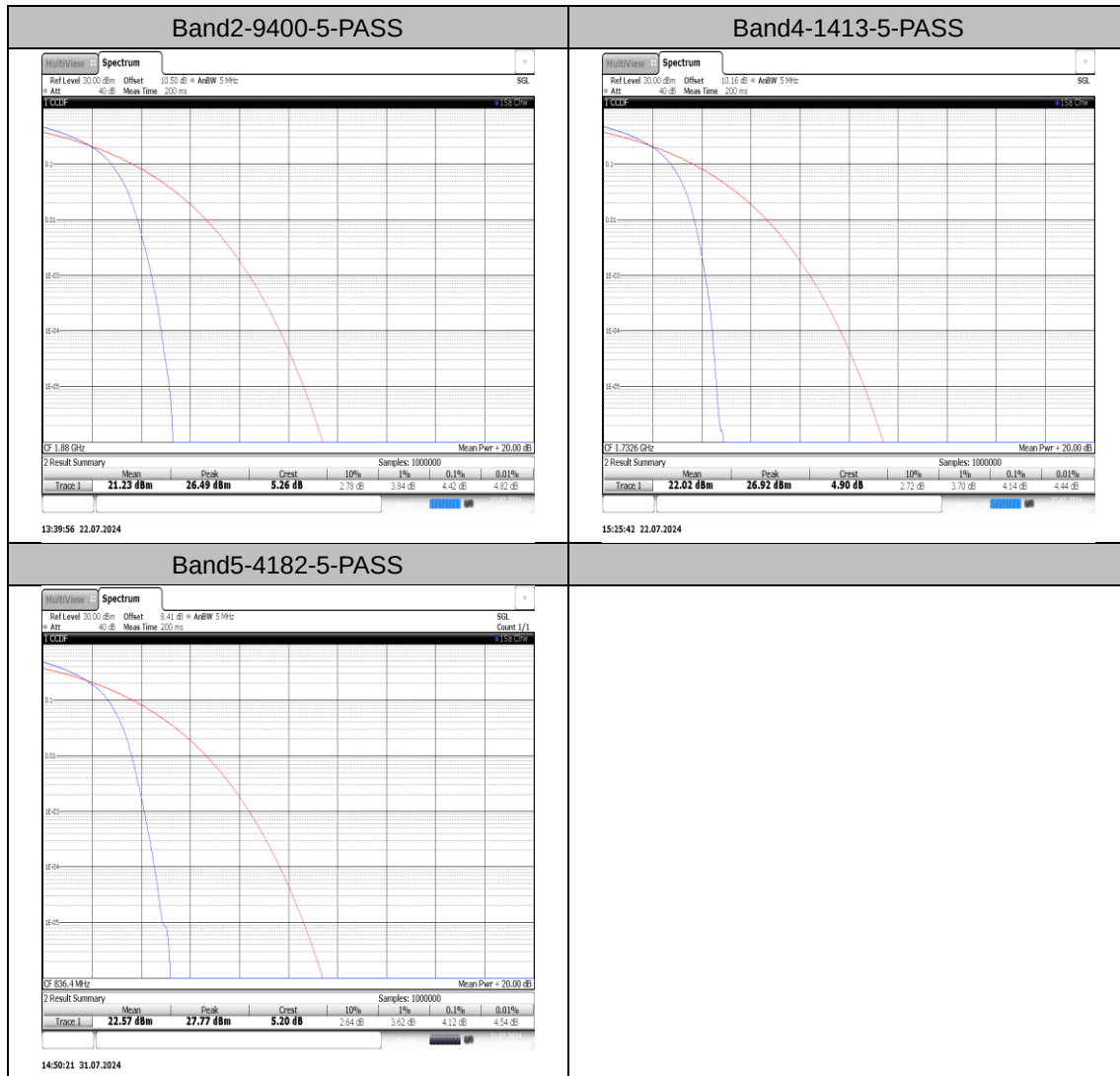
Rel99:



HSDPA:



HSUPA:



AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result

Rel99:

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9400	4.118	4.71	---	PASS
Band4	1413	4.125	4.70	---	PASS
Band5	4182	4.12	4.74	---	PASS

HSDPA:

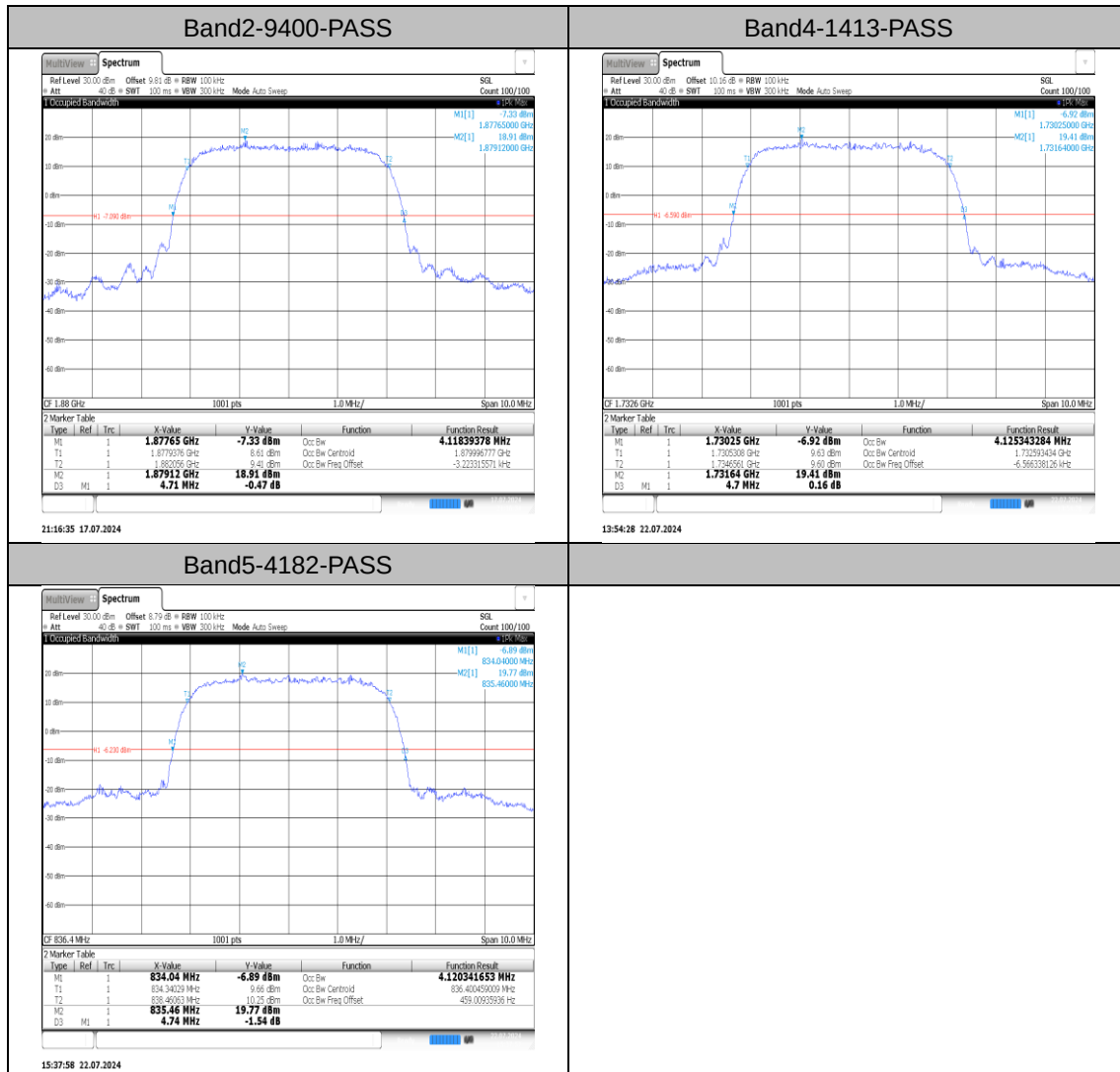
Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9400	4	4.119	4.72	---	PASS
Band4	1413	4	4.118	4.73	---	PASS
Band5	4182	4	4.111	5.17	---	PASS

HSUPA:

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9400	5	4.121	4.70	---	PASS
Band4	1413	5	4.125	4.73	---	PASS
Band5	4182	5	4.122	4.71	---	PASS

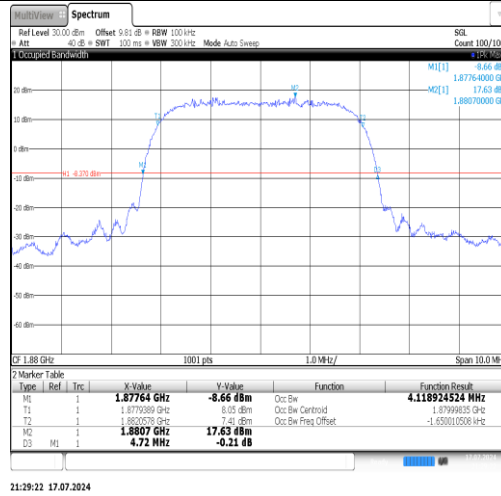
Test Graphs

Rel99:

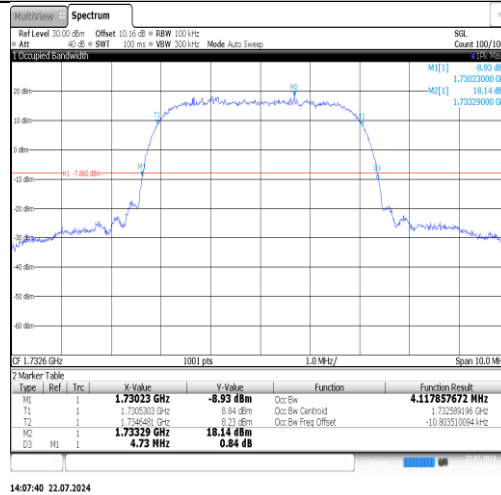


HSDPA:

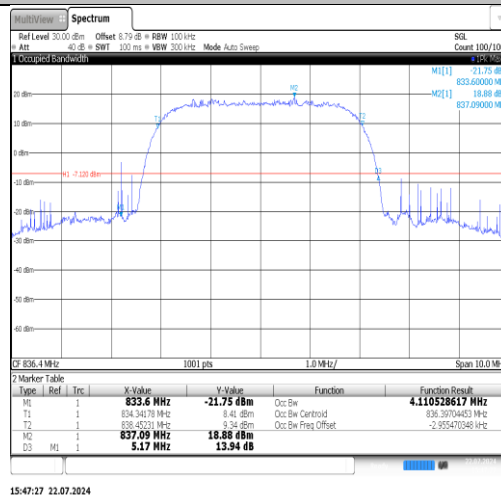
Band2-9400-4-PASS



Band4-1413-4-PASS

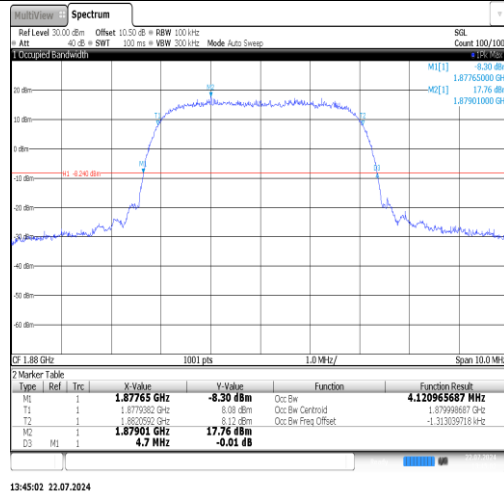


Band5-4182-4-PASS

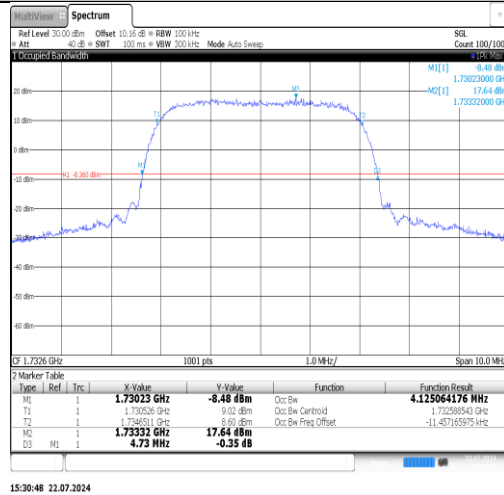


HSUPA:

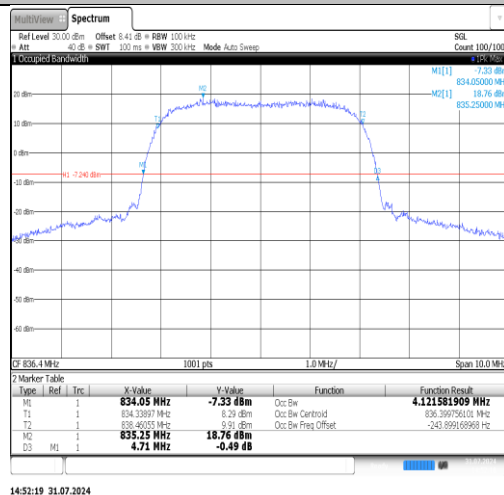
Band2-9400-5-PASS



Band4-1413-5-PASS



Band5-4182-5-PASS



AppendixD:Band Edge

Test Result

Rel99:

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-26.84	-13	PASS
Band2	9538	1910.16	-28.18	-13	PASS
Band4	1312	1710.00	-27.67	-13	PASS
Band4	1513	1755.00	-27.78	-13	PASS
Band5	4132	824.00	-26.30	-13	PASS
Band5	4233	849.00	-24.79	-13	PASS

HSDPA:

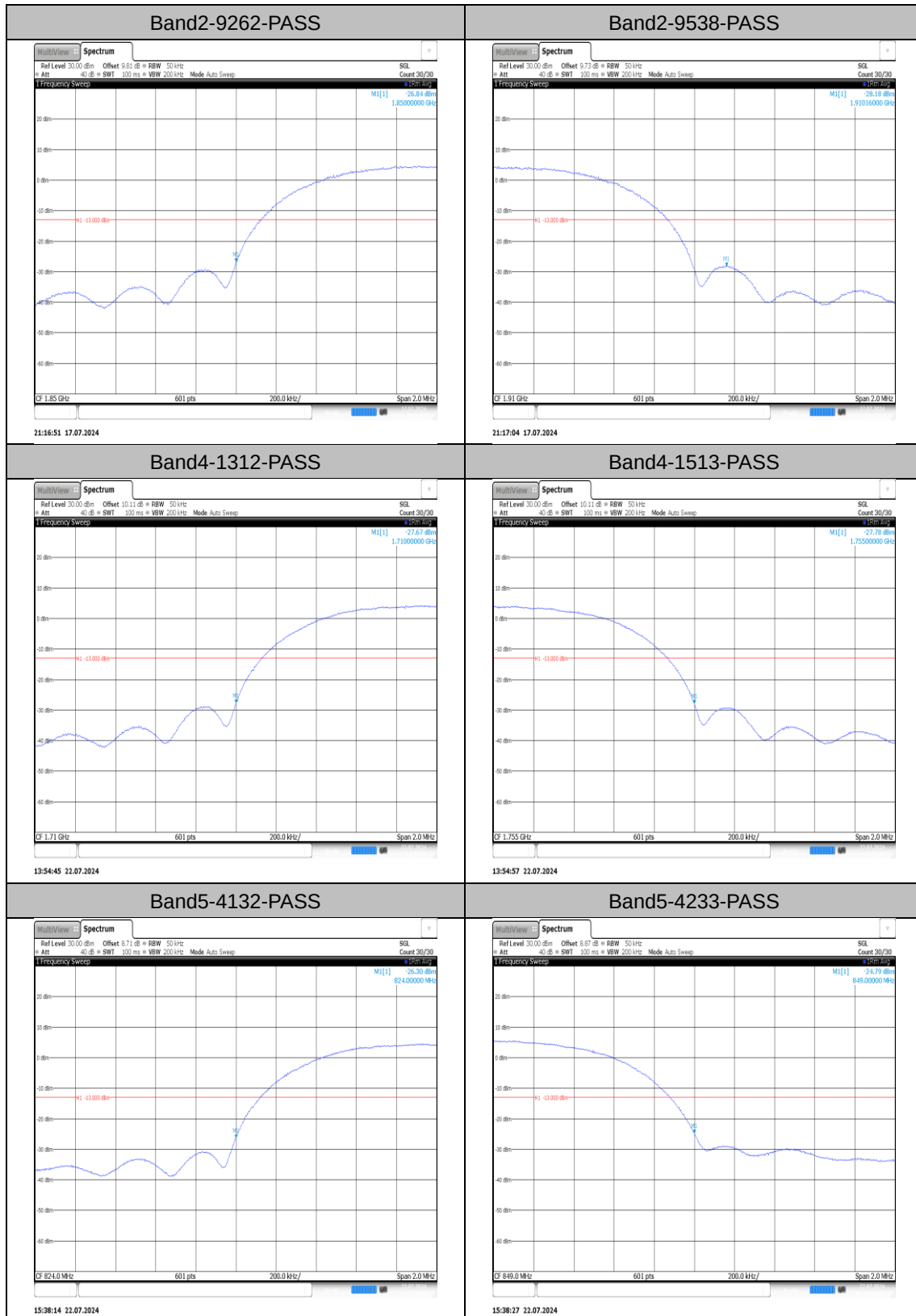
Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	4	1850.00	-28.02	-13	PASS
Band2	9538	4	1910.00	-29.79	-13	PASS
Band4	1312	4	1710.00	-29.01	-13	PASS
Band4	1513	4	1755.00	-28.62	-13	PASS
Band5	4132	4	824.00	-26.02	-13	PASS
Band5	4233	4	849.00	-25.53	-13	PASS

HSUPA:

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	5	1850.00	-27.81	-13	PASS
Band2	9538	5	1910.00	-28.49	-13	PASS
Band4	1312	5	1710.00	-28.00	-13	PASS
Band4	1513	5	1755.00	-28.46	-13	PASS
Band5	4132	5	824.00	-27.31	-13	PASS
Band5	4233	5	849.00	-25.95	-13	PASS

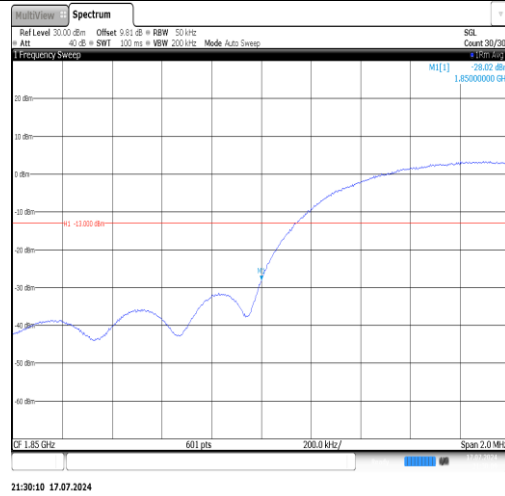
Test Graphs

Rel99:

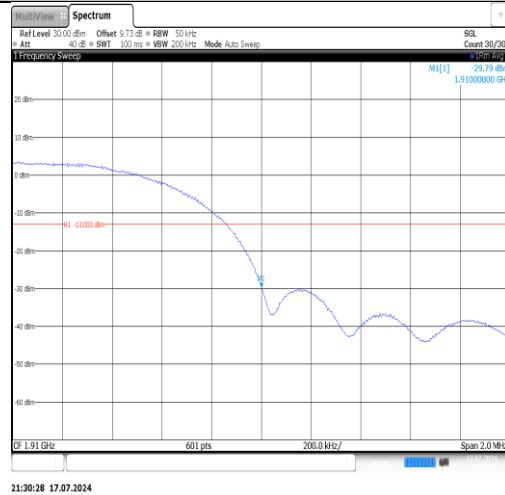


HSDPA:

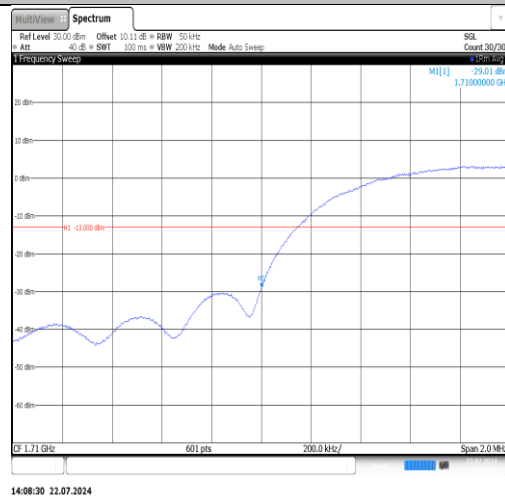
Band2-9262-4-PASS



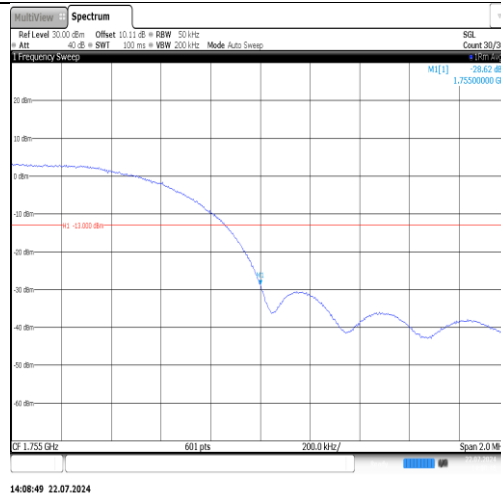
Band2-9538-4-PASS



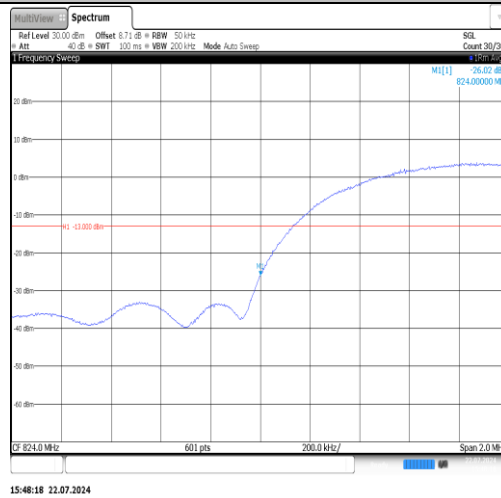
Band4-1312-4-PASS



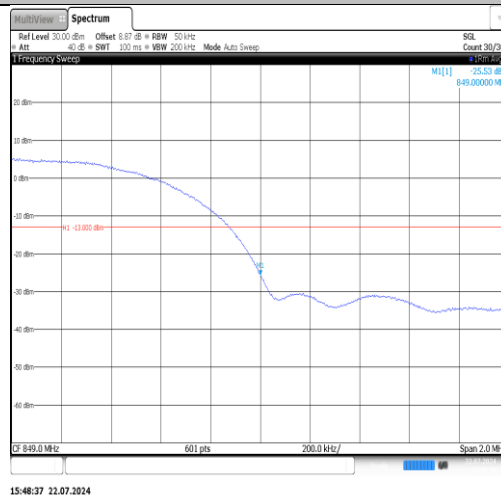
Band4-1513-4-PASS



Band5-4132-4-PASS

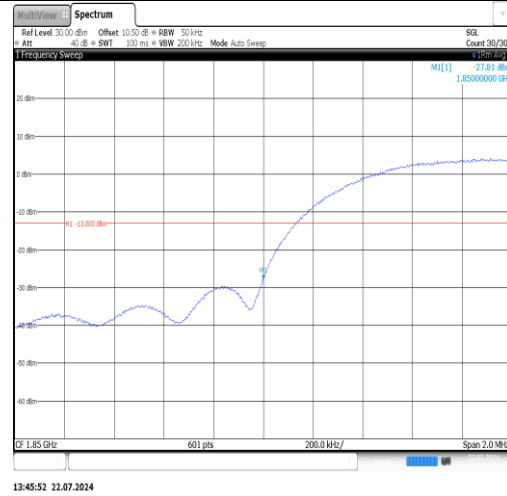


Band5-4233-4-PASS

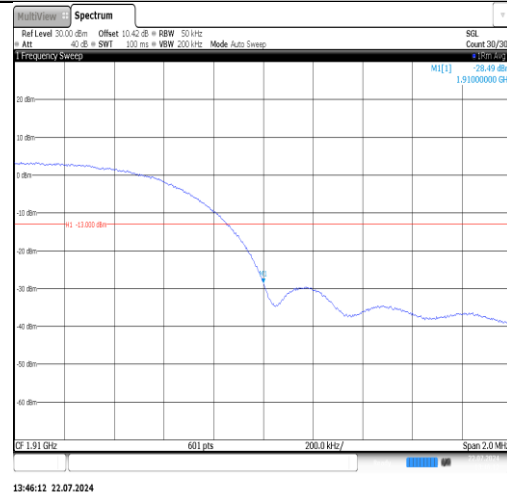


HSUPA:

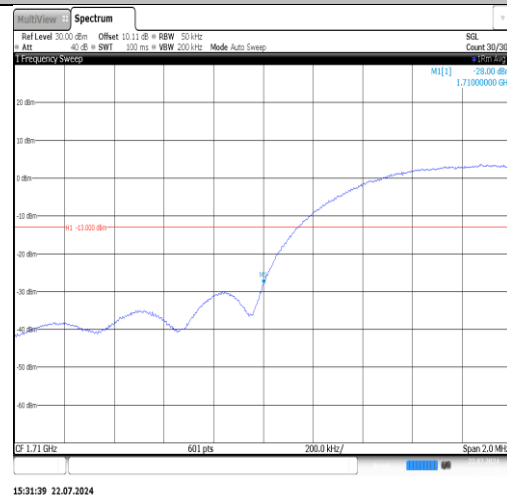
Band2-9262-5-PASS



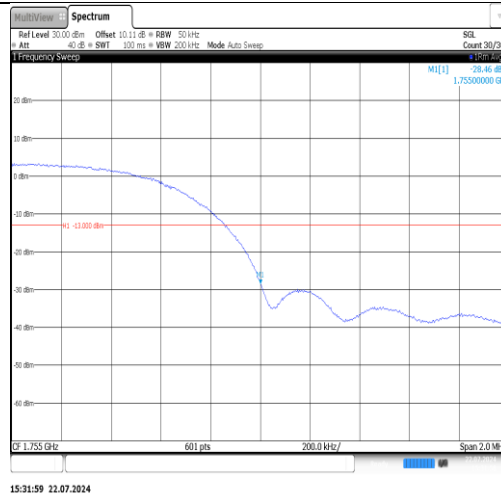
Band2-9538-5-PASS



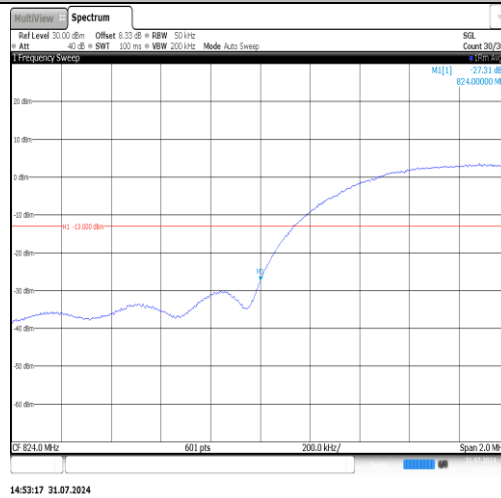
Band4-1312-5-PASS



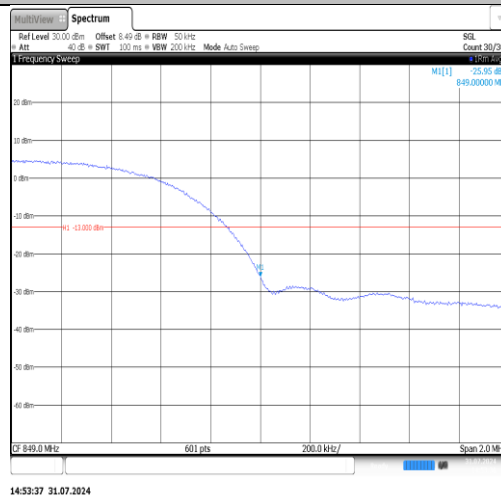
Band4-1513-5-PASS



Band5-4132-5-PASS



Band5-4233-5-PASS



AppendixE:Conducted SpuriousEmission

Test Result

Rel99:

Band	Channel	Frequency Range (Mhz)	Frequency (MHz)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	30~1000MHz	554.27	-52.41	-13	PASS
Band2	9262	1000~20000MHz	7927.4	-42.3	-13	PASS
Band2	9400	30~1000MHz	551.84	-52.61	-13	PASS
Band2	9400	1000~20000MHz	7116.1	-43.18	-13	PASS
Band2	9538	30~1000MHz	554.75	-52.43	-13	PASS
Band2	9538	1000~20000MHz	7942.6	-43.19	-13	PASS
Band4	1312	30~1000MHz	553.78	-52.26	-13	PASS
Band4	1312	1000~20000MHz	7920.28	-42.74	-13	PASS
Band4	1413	30~1000MHz	555.72	-52.22	-13	PASS
Band4	1413	1000~20000MHz	7123.23	-42.74	-13	PASS
Band4	1513	30~1000MHz	552.81	-52.2	-13	PASS
Band4	1513	1000~20000MHz	7114.68	-42.51	-13	PASS
Band5	4132	30~1000MHz	558.65	-60.6	-13	PASS
Band5	4132	1000~10000MHz	7942.03	-43.19	-13	PASS
Band5	4182	30~1000MHz	555.26	-60.87	-13	PASS
Band5	4182	1000~10000MHz	7113.17	-43.11	-13	PASS
Band5	4233	30~1000MHz	551.38	-60.91	-13	PASS
Band5	4233	1000~10000MHz	7956.43	-43.21	-13	PASS

HSDPA:

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	4	30~1000MHz	552.33	-52.6	-13	PASS
Band2	9262	4	1000~20000MHz	7032.5	-43.36	-13	PASS
Band2	9400	4	30~1000MHz	553.78	-52.5	-13	PASS
Band2	9400	4	1000~20000MHz	7118.48	-43.27	-13	PASS
Band2	9538	4	30~1000MHz	552.81	-52.69	-13	PASS
Band2	9538	4	1000~20000MHz	7949.73	-43.2	-13	PASS
Band4	1312	4	30~1000MHz	551.36	-52.37	-13	PASS
Band4	1312	4	1000~20000MHz	7967.3	-42.49	-13	PASS
Band4	1413	4	30~1000MHz	558.14	-52.24	-13	PASS
Band4	1413	4	1000~20000MHz	7082.38	-42.88	-13	PASS
Band4	1513	4	30~1000MHz	553.3	-52.12	-13	PASS
Band4	1513	4	1000~20000MHz	7992.48	-42.67	-13	PASS
Band5	4132	4	30~1000MHz	955.87	-61.49	-13	PASS
Band5	4132	4	1000~10000MHz	7950.58	-43.76	-13	PASS

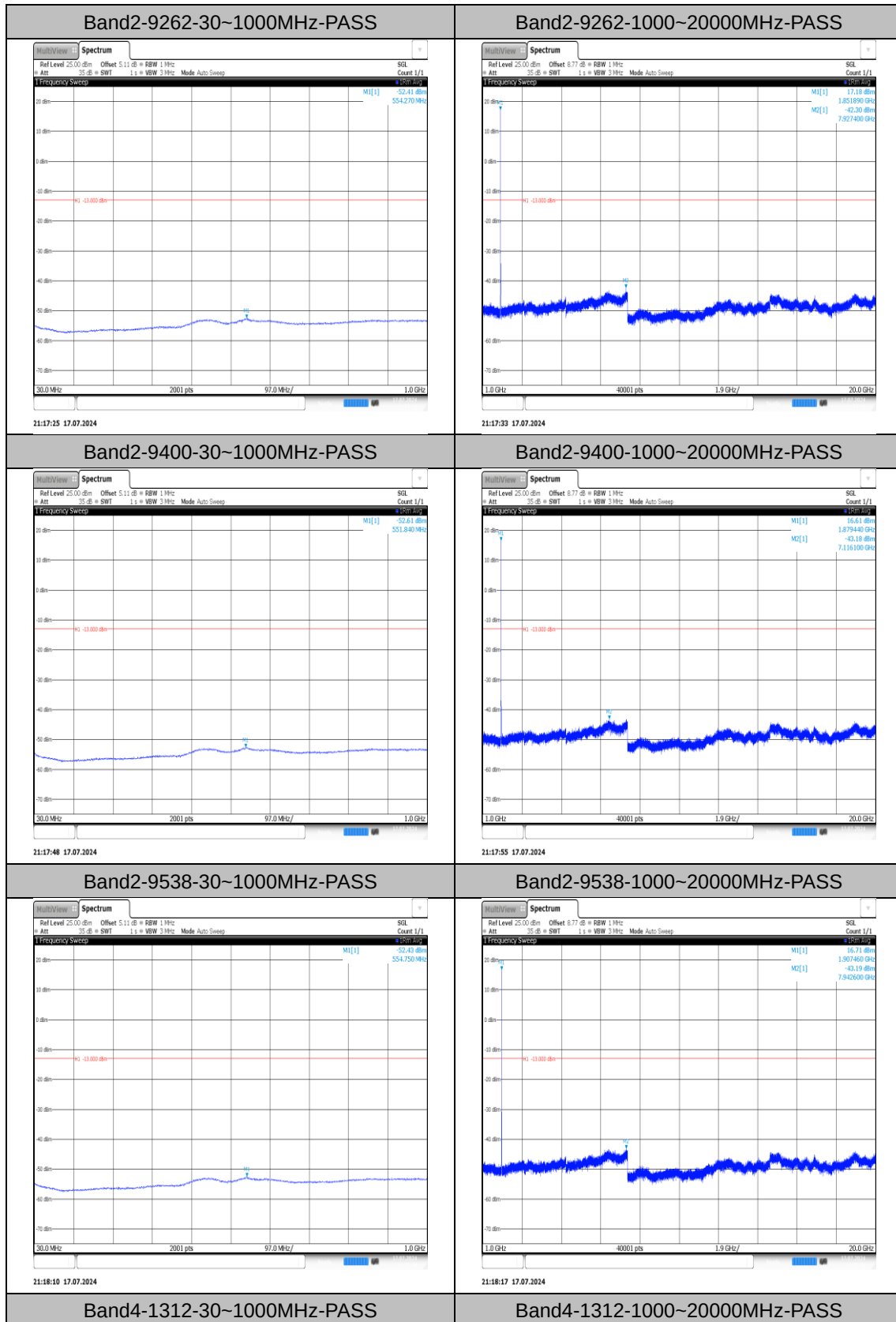
Band5	4182	4	30~1000MHz	558.17	-61.12	-13	PASS
Band5	4182	4	1000~10000MHz	7940.23	-43.51	-13	PASS
Band5	4233	4	30~1000MHz	555.74	-61.09	-13	PASS
Band5	4233	4	1000~10000MHz	7027.22	-43.73	-13	PASS

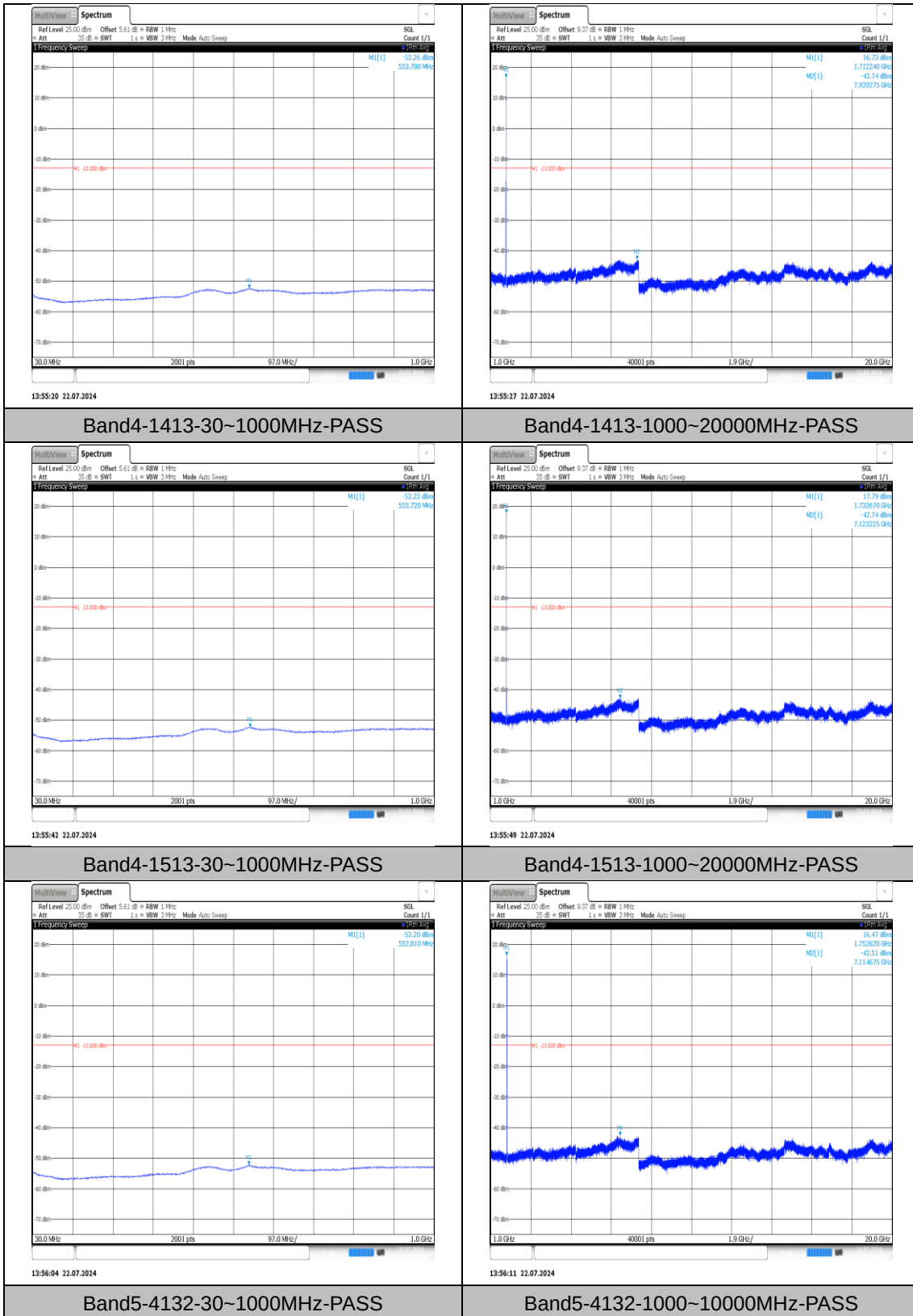
HSUPA:

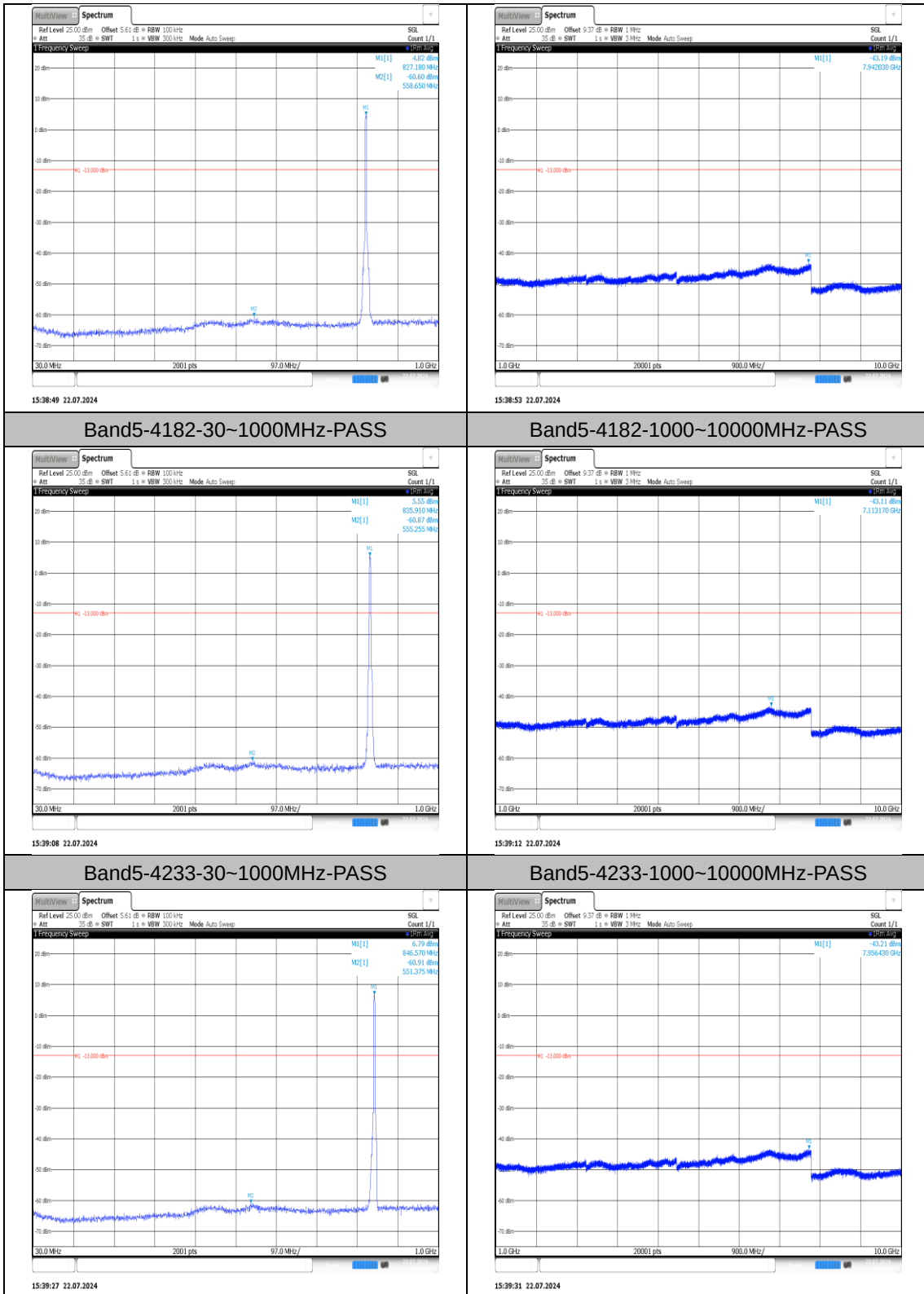
Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	5	30~1000MHz	554.27	-52.14	-13	PASS
Band2	9262	5	1000~20000MHz	7030.13	-42.13	-13	PASS
Band2	9400	5	30~1000MHz	555.72	-52.24	-13	PASS
Band2	9400	5	1000~20000MHz	7036.78	-42.92	-13	PASS
Band2	9538	5	30~1000MHz	554.75	-52.22	-13	PASS
Band2	9538	5	1000~20000MHz	7093.78	-42.64	-13	PASS
Band4	1312	5	30~1000MHz	552.81	-52.05	-13	PASS
Band4	1312	5	1000~20000MHz	7930.73	-42.49	-13	PASS
Band4	1413	5	30~1000MHz	553.3	-52.17	-13	PASS
Band4	1413	5	1000~20000MHz	7945.45	-42.63	-13	PASS
Band4	1513	5	30~1000MHz	554.75	-52.26	-13	PASS
Band4	1513	5	1000~20000MHz	7994.38	-42.72	-13	PASS
Band5	4132	5	30~1000MHz	550.41	-61.45	-13	PASS
Band5	4132	5	1000~10000MHz	7049.72	-43.64	-13	PASS
Band5	4182	5	30~1000MHz	966.54	-60.99	-13	PASS
Band5	4182	5	1000~10000MHz	7069.52	-43.57	-13	PASS
Band5	4233	5	30~1000MHz	546.04	-61.39	-13	PASS
Band5	4233	5	1000~10000MHz	7147.82	-43.6	-13	PASS

Test Graphs

Rel99:

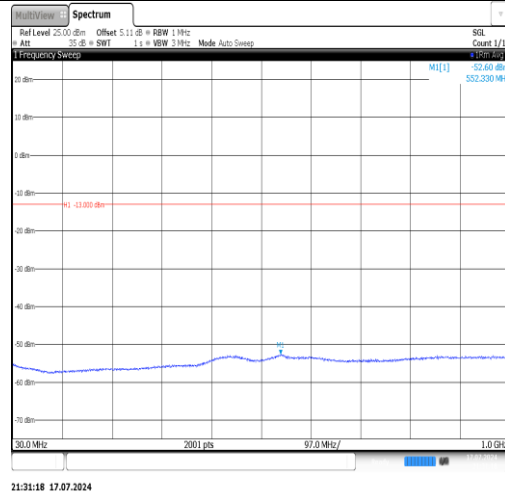




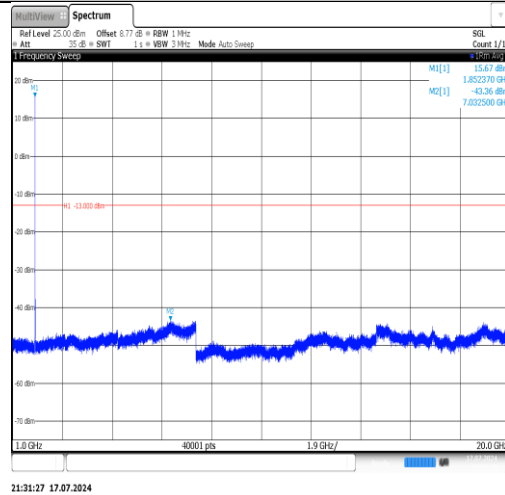


HSDPA:

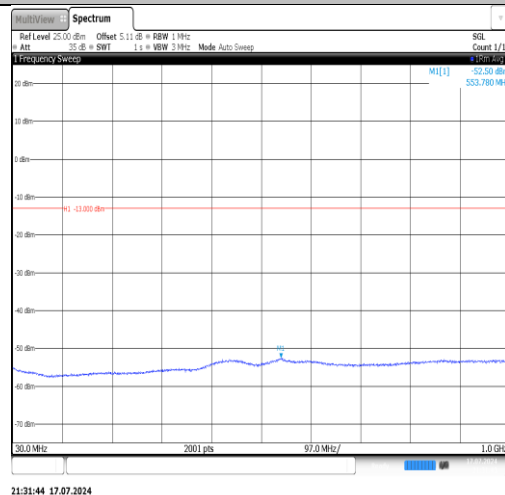
Band2-9262-4-30~1000MHz-PASS



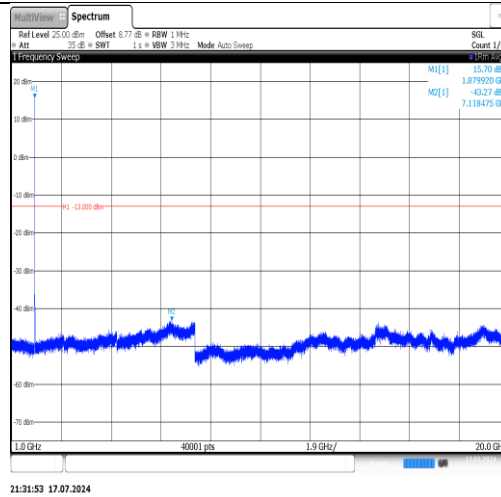
Band2-9262-4-1000~20000MHz-PASS



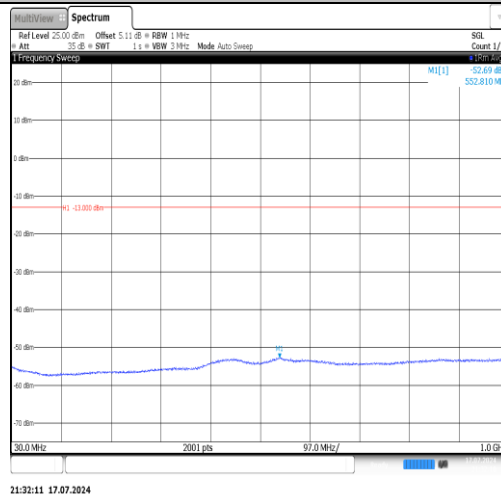
Band2-9400-4-30~1000MHz-PASS



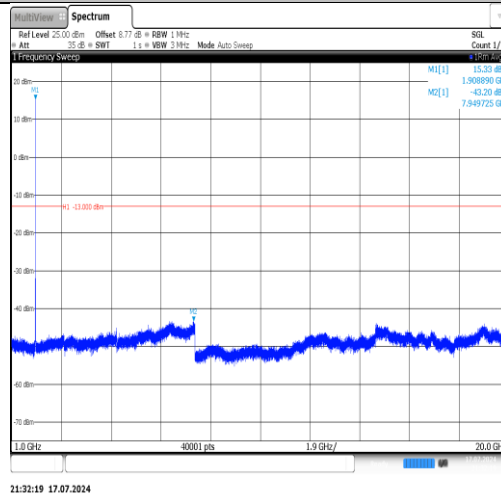
Band2-9400-4-1000~20000MHz-PASS



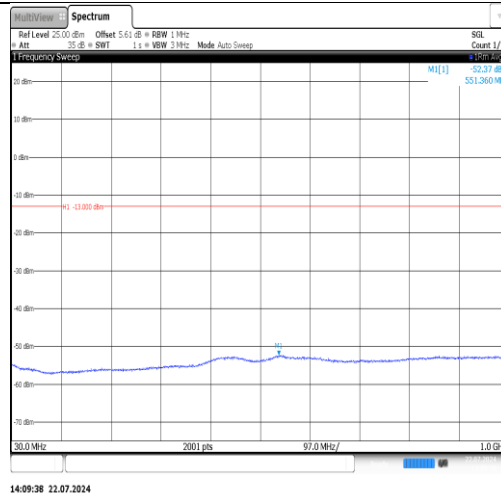
Band2-9538-4-30~1000MHz-PASS



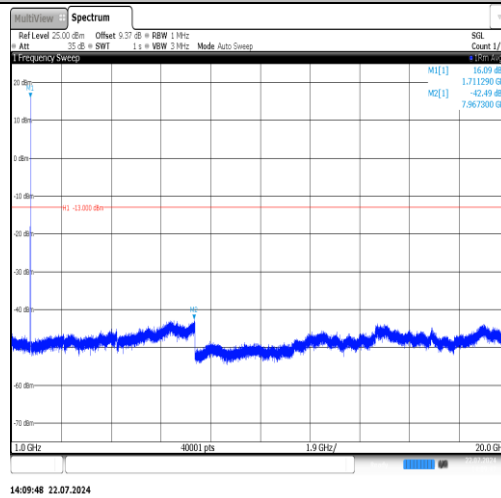
Band2-9538-4-1000~20000MHz-PASS



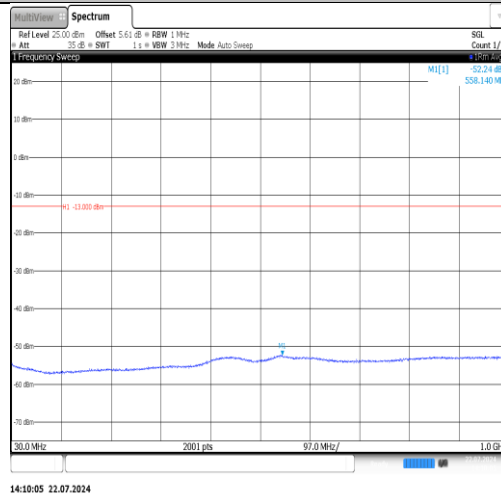
Band4-1312-4-30~1000MHz-PASS



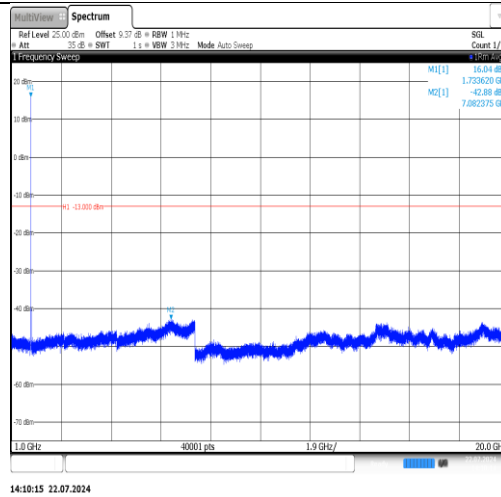
Band4-1312-4-1000~20000MHz-PASS



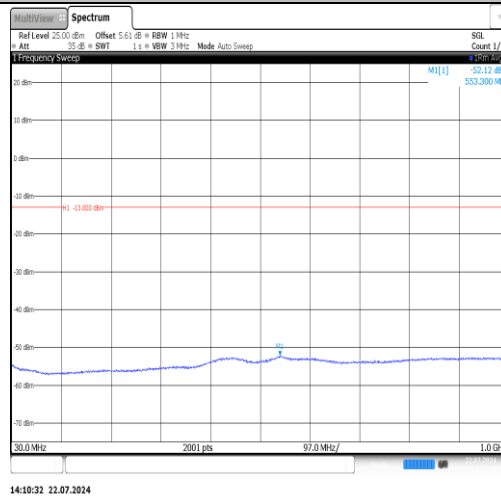
Band4-1413-4-30~1000MHz-PASS



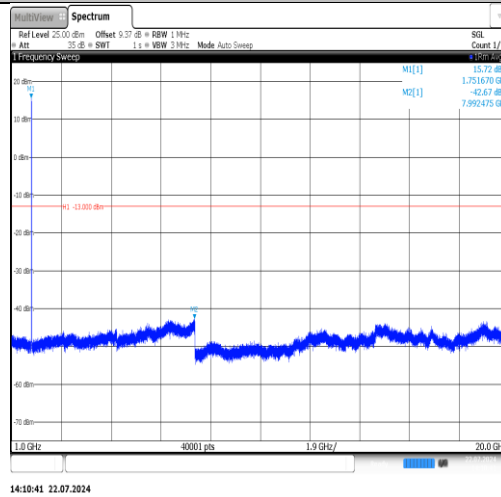
Band4-1413-4-1000~20000MHz-PASS



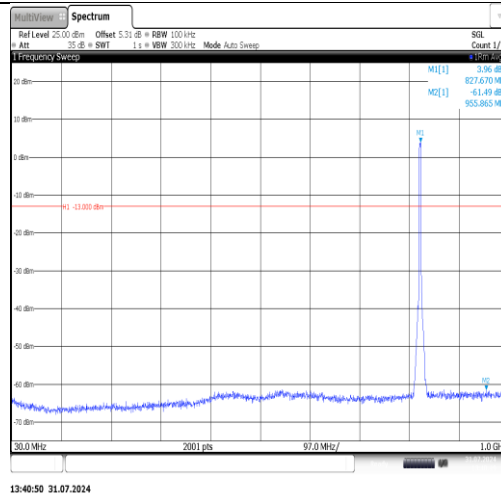
Band4-1513-4-30~1000MHz-PASS



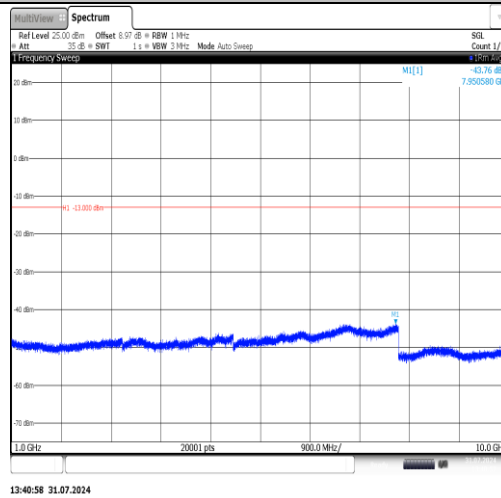
Band4-1513-4-1000~20000MHz-PASS



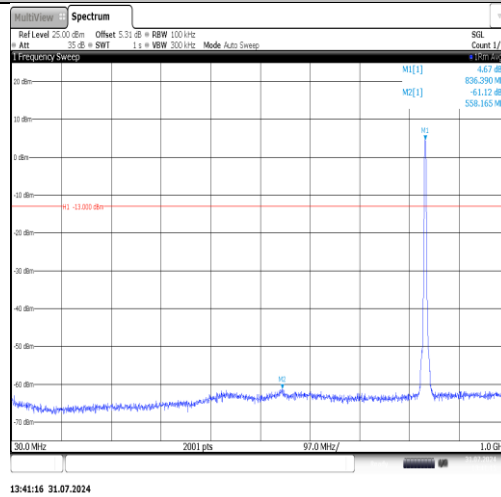
Band5-4132-4-30~1000MHz-PASS



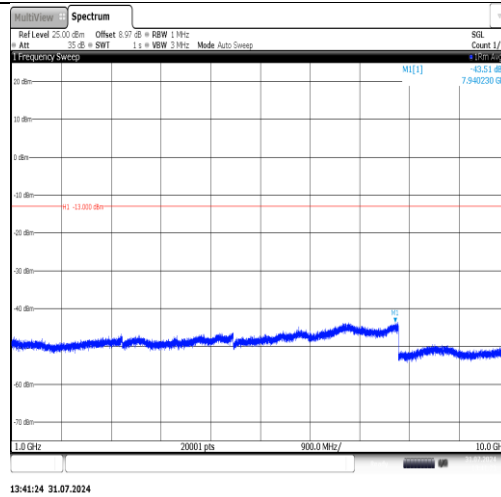
Band5-4132-4-1000~10000MHz-PASS



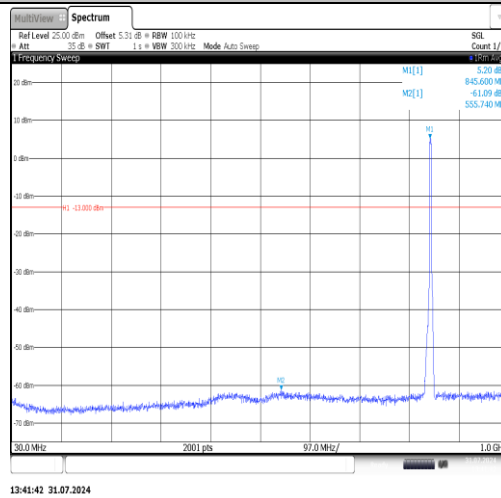
Band5-4182-4-30~1000MHz-PASS



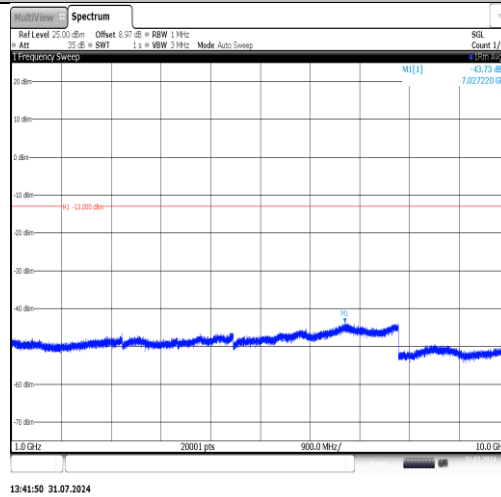
Band5-4182-4-1000~10000MHz-PASS



Band5-4233-4-30~1000MHz-PASS

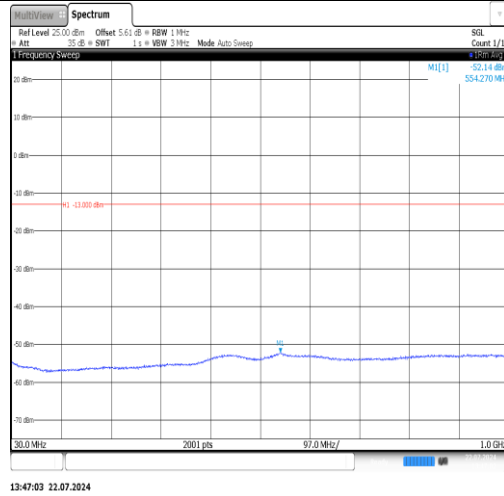


Band5-4233-4-1000~10000MHz-PASS

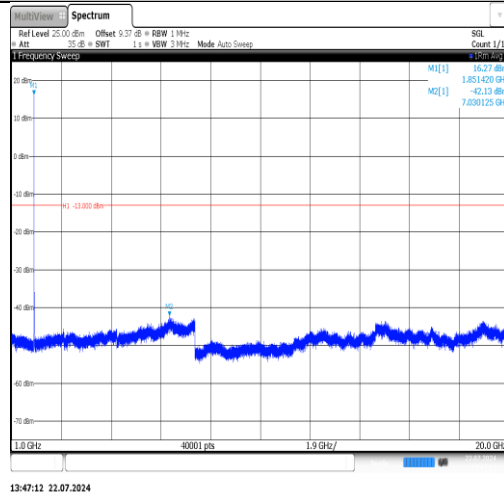


HSUPA:

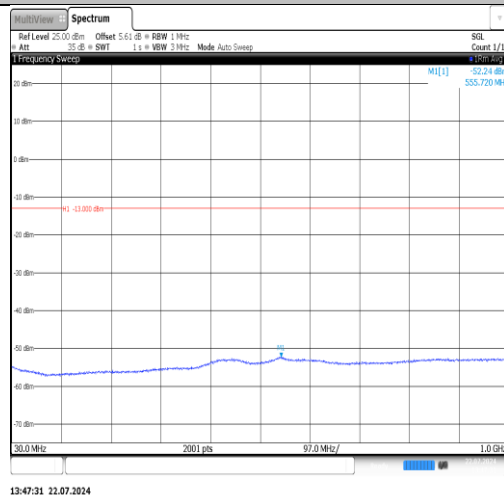
Band2-9262-5-30~1000MHz-PASS



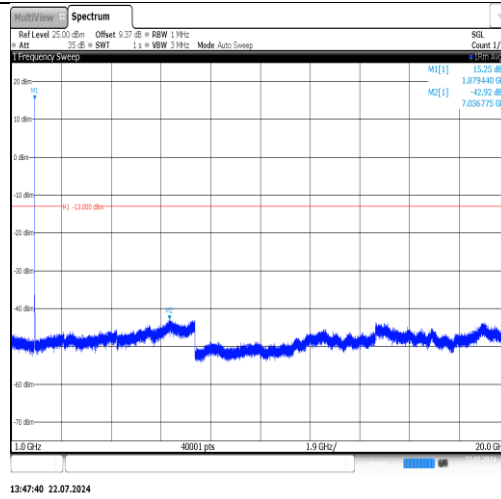
Band2-9262-5-1000~20000MHz-PASS



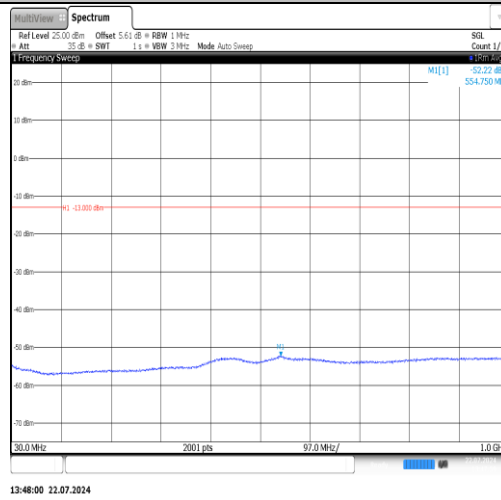
Band2-9400-5-30~1000MHz-PASS



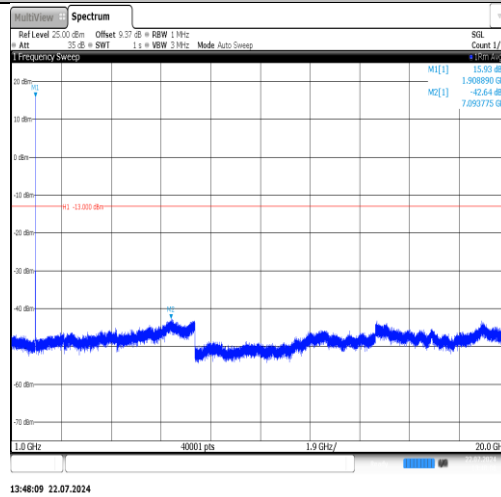
Band2-9400-5-1000~20000MHz-PASS



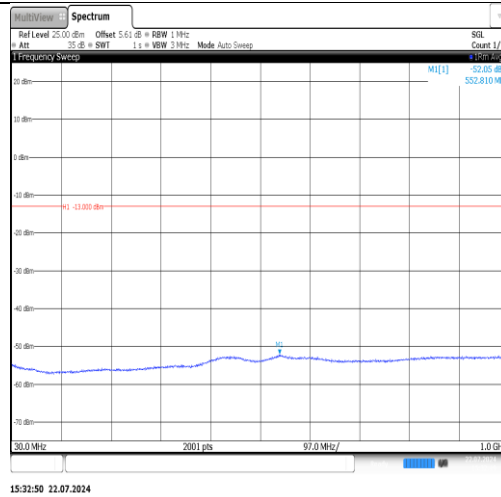
Band2-9538-5-30~1000MHz-PASS



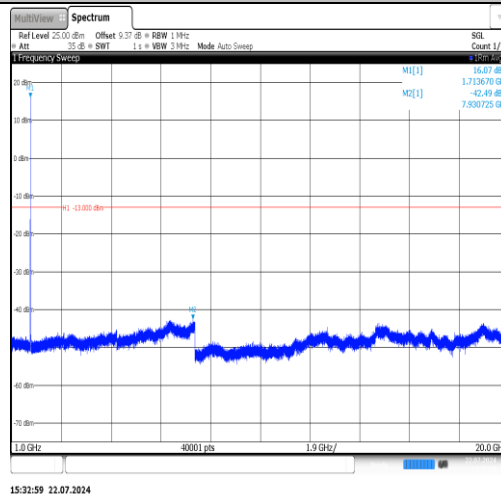
Band2-9538-5-1000~20000MHz-PASS



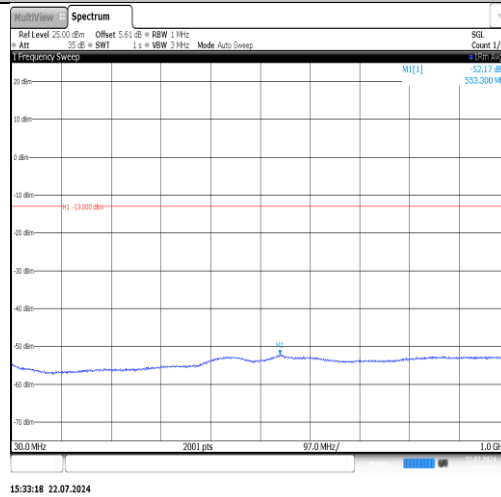
Band4-1312-5-30~1000MHz-PASS



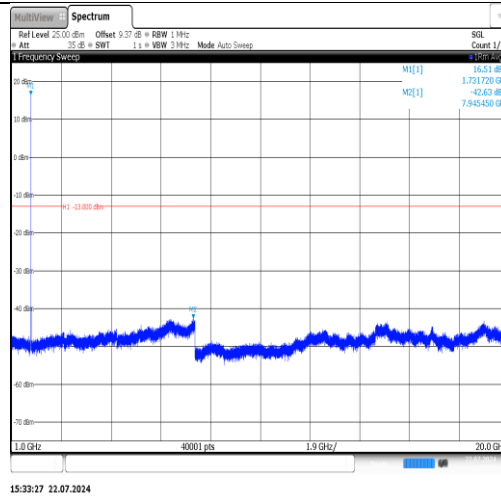
Band4-1312-5-1000~20000MHz-PASS



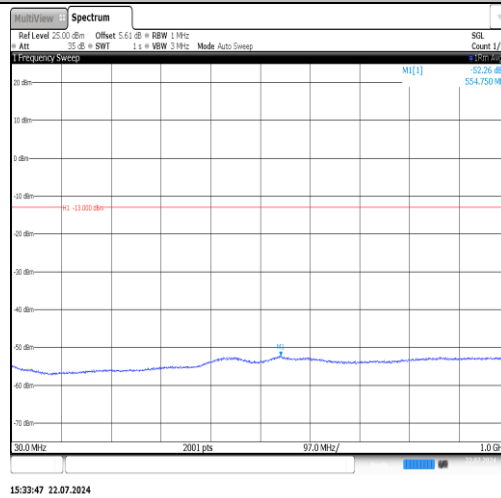
Band4-1413-5-30~1000MHz-PASS



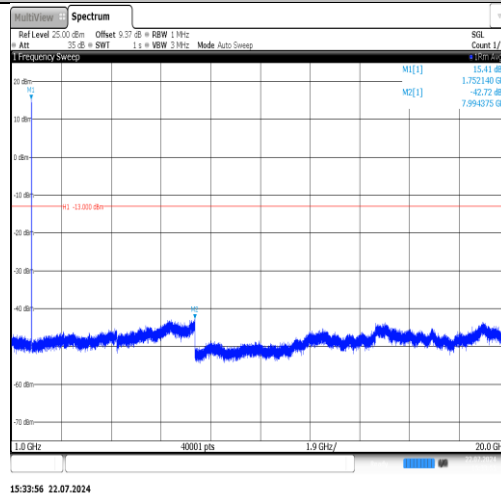
Band4-1413-5-1000~20000MHz-PASS



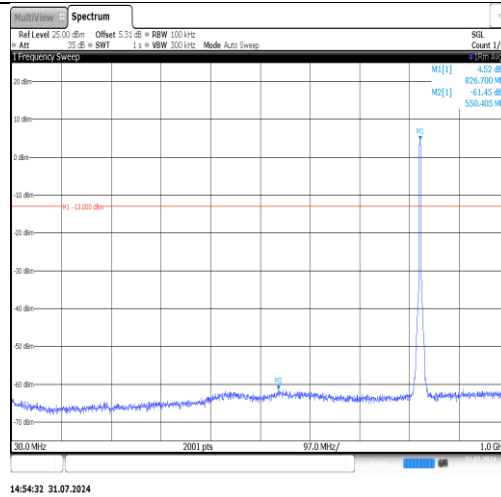
Band4-1513-5-30~1000MHz-PASS



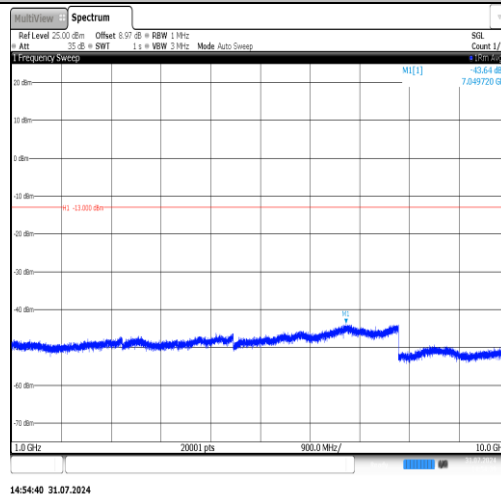
Band4-1513-5-1000~20000MHz-PASS



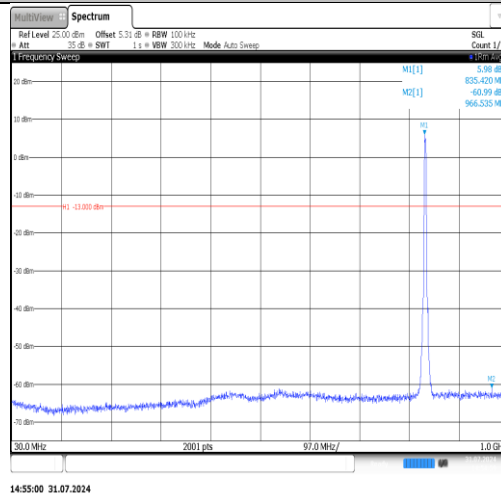
Band5-4132-5-30~1000MHz-PASS



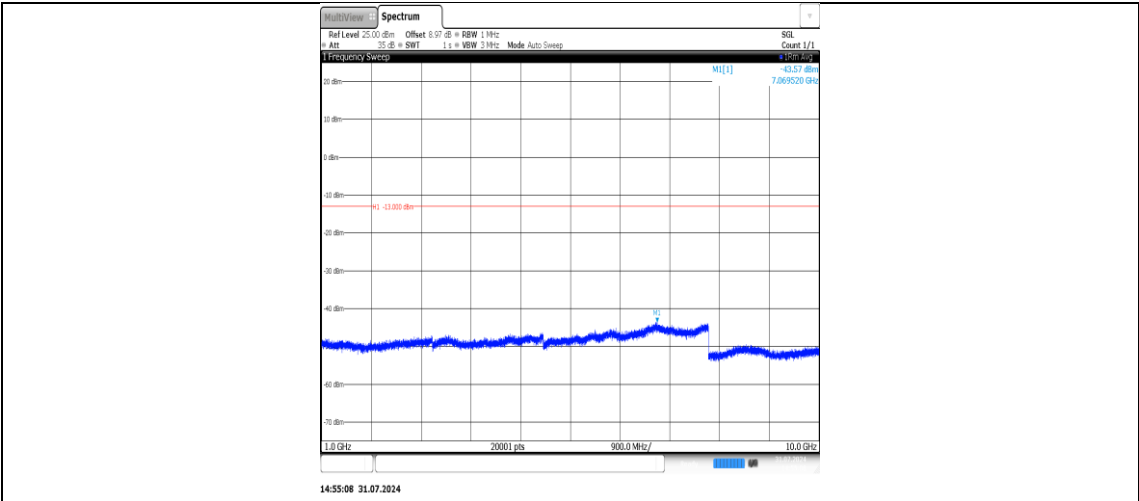
Band5-4132-5-1000~10000MHz-PASS



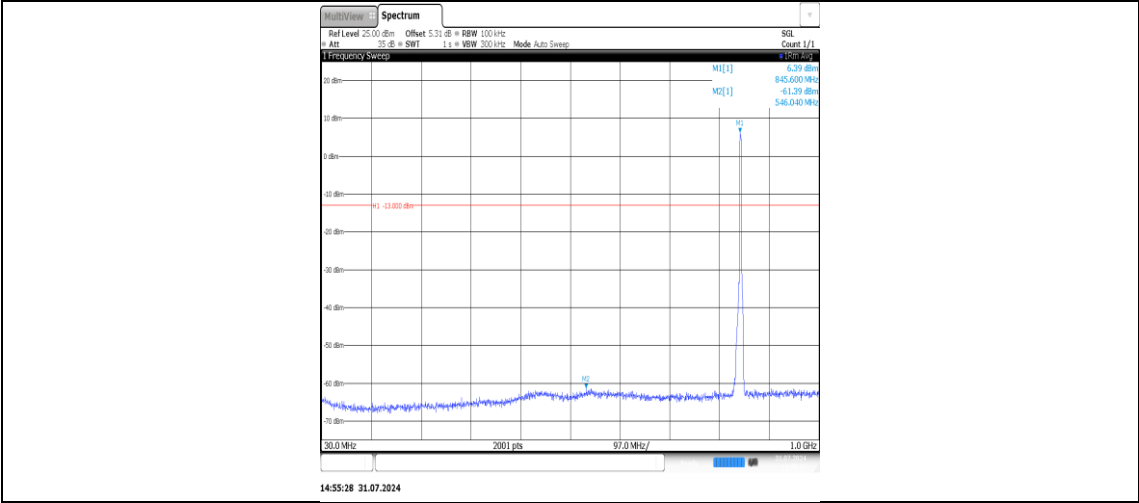
Band5-4182-5-30~1000MHz-PASS



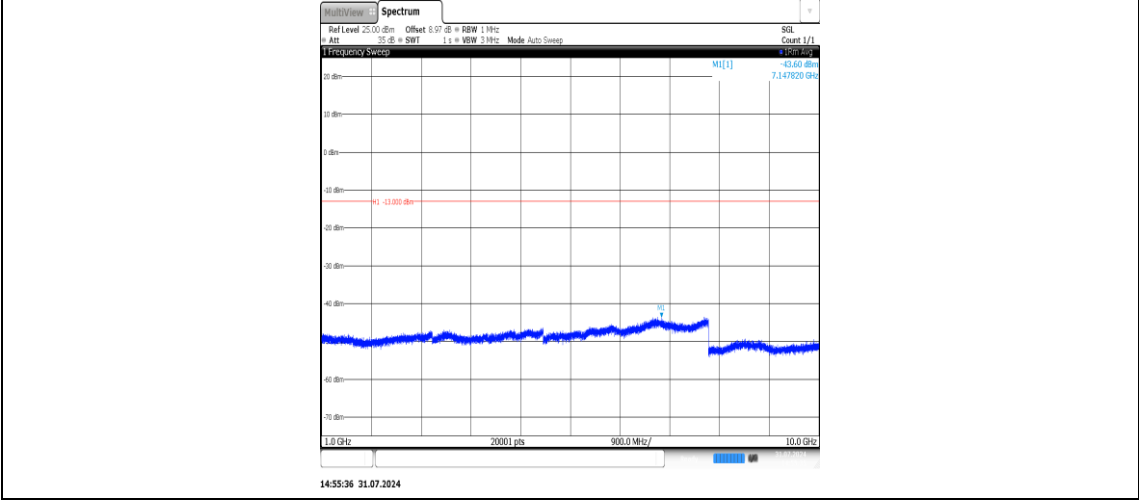
Band5-4182-5-1000~10000MHz-PASS



Band5-4233-5-30~1000MHz-PASS



Band5-4233-5-1000~10000MHz-PASS



AppendixF:Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	VN	NT	-2400.00	-1.276596	±NA	PASS
Band2	9400	VL	NT	-2100.00	-1.117021	±NA	PASS
Band2	9400	VH	NT	-5200.00	-2.765957	±NA	PASS
Band4	1413	VN	NT	-5000.00	-2.885836	±NA	PASS
Band4	1413	VL	NT	-4650.00	-2.683828	±NA	PASS
Band4	1413	VH	NT	-5050.00	-2.914695	±NA	PASS
Band5	4182	VN	NT	-999	-1.194405	±2.5	PASS
Band5	4182	VL	NT	-999	-1.194405	±2.5	PASS
Band5	4182	VH	NT	-999	-1.194405	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	NV	-30	-700.00	-0.372340	±NA	PASS
Band2	9400	NV	-20	-4750.00	-2.526596	±NA	PASS
Band2	9400	NV	-10	-700.00	-0.372340	±NA	PASS
Band2	9400	NV	0	-3100.00	-1.648936	±NA	PASS
Band2	9400	NV	10	0.00	0.000000	±NA	PASS
Band2	9400	NV	20	-4350.00	-2.313830	±NA	PASS
Band2	9400	NV	30	-1500.00	-0.797872	±NA	PASS
Band2	9400	NV	40	-3600.00	-1.914894	±NA	PASS
Band2	9400	NV	50	2850.00	1.515957	±NA	PASS
Band4	1413	NV	-30	-6050.00	-3.491862	±NA	PASS
Band4	1413	NV	-20	-1150.00	-0.663742	±NA	PASS
Band4	1413	NV	-10	-5400.00	-3.116703	±NA	PASS
Band4	1413	NV	0	-6500.00	-3.751587	±NA	PASS
Band4	1413	NV	10	-3450.00	-1.991227	±NA	PASS
Band4	1413	NV	20	-4850.00	-2.799261	±NA	PASS
Band4	1413	NV	30	-5400.00	-3.116703	±NA	PASS
Band4	1413	NV	40	-3200.00	-1.846935	±NA	PASS
Band4	1413	NV	50	-4250.00	-2.452961	±NA	PASS
Band5	4182	NV	-30	-999	-1.194405	±2.5	PASS
Band5	4182	NV	-20	-999	-1.194405	±2.5	PASS
Band5	4182	NV	-10	-999	-1.194405	±2.5	PASS
Band5	4182	NV	0	-999	-1.194405	±2.5	PASS
Band5	4182	NV	10	-999	-1.194405	±2.5	PASS

Band5	4182	NV	20	-999	-1.194405	±2.5	PASS
Band5	4182	NV	30	-999	-1.194405	±2.5	PASS
Band5	4182	NV	40	-999	-1.194405	±2.5	PASS
Band5	4182	NV	50	-999	-1.194405	±2.5	PASS