

Appendix-WCDMA

Conducted Test Data

Conducted Output Power and EIRP/ERP

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
WCDMA Band2	9262	1852.4	22.87	2.44	25.31	33	PASS
WCDMA Band2	9400	1880	23.52	2.44	25.96	33	PASS
WCDMA Band2	9538	1907.6	23.70	2.44	26.14	33	PASS
WCDMA Band4	1312	1712.4	22.97	2.54	25.51	30	PASS
WCDMA Band4	1450	1740	22.98	2.54	25.52	30	PASS
WCDMA Band4	1513	1752.6	22.86	2.54	25.40	30	PASS

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dBi)	ERP (dBm)	ERP Limit (dBm)	Verdict
WCDMA Band5	4132	826.4	23.38	-0.58	20.65	38.45	PASS
WCDMA Band5	4182	836.4	23.43	-0.58	20.70	38.45	PASS
WCDMA Band5	4233	846.6	23.35	-0.58	20.62	38.45	PASS

Frequency stability

Band	Channel	Frequency (MHz)	Voltage (Vdc)	Temperature(°C)	Result (Hz)	Result (ppm)	Verdict
WCDMA Band2	9400	1880	VL	NT	-12.65	-0.007	PASS
WCDMA Band2	9400	1880	VN	NT	-9.68	-0.005	PASS
WCDMA Band2	9400	1880	VH	NT	-15.51	-0.008	PASS
WCDMA Band4	1450	1740	VL	NT	-13.55	-0.008	PASS
WCDMA Band4	1450	1740	VN	NT	-14.18	-0.008	PASS
WCDMA Band4	1450	1740	VH	NT	-8.85	-0.005	PASS

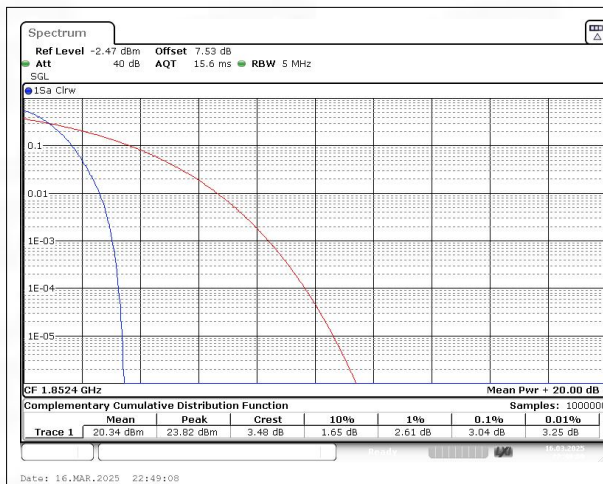
Band	Channel	Frequency (MHz)	Voltage (Vdc)	Temperature(°C)	Result (Hz)	Result (ppm)	Limit(ppm)	Verdict
WCDMA Band5	4182	836.4	VL	NT	-6.37	-0.008	±2.5	PASS
WCDMA Band5	4182	836.4	VN	NT	-8.03	-0.010	±2.5	PASS
WCDMA Band5	4182	836.4	VH	NT	-5.01	-0.006	±2.5	PASS

Band	Channel	Frequency (MHz)	Voltage (Vdc)	Temperature(℃)	Result (Hz)	Result (ppm)	Verdict
WCDMA Band2	9400	1880	NV	-30	-14.18	-0.007	PASS
WCDMA Band2	9400	1880	NV	-20	-8.87	-0.005	PASS
WCDMA Band2	9400	1880	NV	-10	-12.23	-0.008	PASS
WCDMA Band2	9400	1880	NV	0	-13.53	-0.008	PASS
WCDMA Band2	9400	1880	NV	10	-6.78	-0.008	PASS
WCDMA Band2	9400	1880	NV	20	-8.85	-0.005	PASS
WCDMA Band2	9400	1880	NV	30	-11.12	-0.007	PASS
WCDMA Band2	9400	1880	NV	40	-10.22	-0.005	PASS
WCDMA Band2	9400	1880	NV	50	-14.23	-0.008	PASS
WCDMA Band4	1450	1740	NV	-30	-11.32	-0.008	PASS
WCDMA Band4	1450	1740	NV	-20	-13.66	-0.008	PASS
WCDMA Band4	1450	1740	NV	-10	-8.92	-0.005	PASS
WCDMA Band4	1450	1740	NV	0	-11.53	-0.007	PASS
WCDMA Band4	1450	1740	NV	10	-9.78	-0.005	PASS
WCDMA Band4	1450	1740	NV	20	-13.23	-0.008	PASS
WCDMA Band4	1450	1740	NV	30	-12.25	-0.008	PASS
WCDMA Band4	1450	1740	NV	40	-13.14	-0.008	PASS
WCDMA Band4	1450	1740	NV	50	-7.75	-0.005	PASS

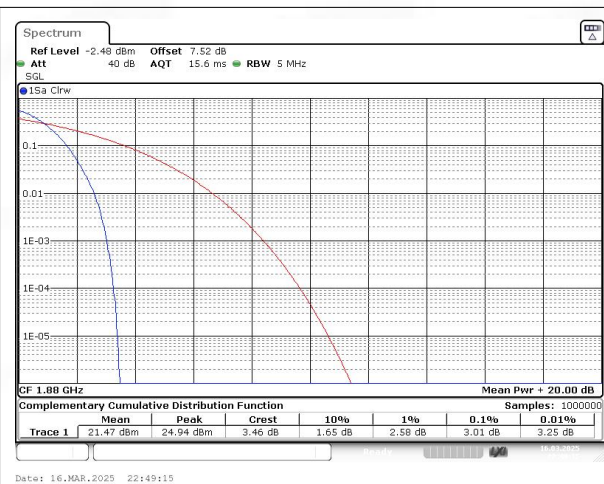
Band	Channel	Frequency (MHz)	Voltage (Vdc)	Temperature(℃)	Result (Hz)	Result (ppm)	Limit(ppm)	Verdict
WCDMA Band5	4182	836.4	NV	-30	-12.64	-0.007	±2.5	PASS
WCDMA Band5	4182	836.4	NV	-20	-9.67	-0.005	±2.5	PASS
WCDMA Band5	4182	836.4	NV	-10	-15.48	-0.008	±2.5	PASS
WCDMA Band5	4182	836.4	NV	0	-13.52	-0.008	±2.5	PASS
WCDMA Band5	4182	836.4	NV	10	-14.11	-0.008	±2.5	PASS
WCDMA Band5	4182	836.4	NV	20	-8.87	-0.005	±2.5	PASS
WCDMA Band5	4182	836.4	NV	30	-6.22	-0.008	±2.5	PASS
WCDMA Band5	4182	836.4	NV	40	-8.01	-0.010	±2.5	PASS
WCDMA Band5	4182	836.4	NV	50	-5.03	-0.006	±2.5	PASS

Peak-to-Average Ratio

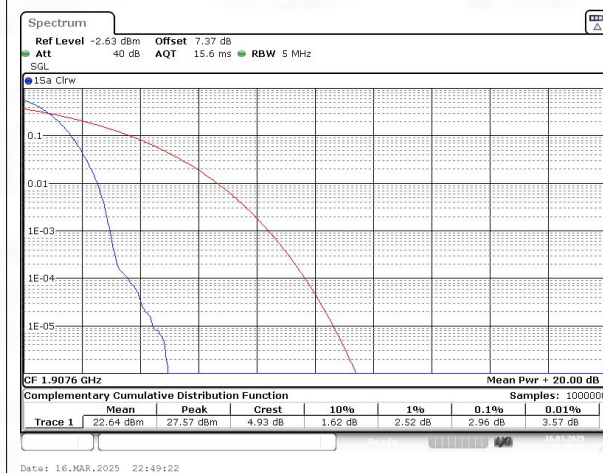
Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
WCDMA Band2	9262	1852.4	3.04	13	PASS
WCDMA Band2	9400	1880	3.01	13	PASS
WCDMA Band2	9538	1907.6	2.96	13	PASS
WCDMA Band4	1312	1712.4	3.10	13	PASS
WCDMA Band4	1450	1740	3.10	13	PASS
WCDMA Band4	1513	1752.6	3.04	13	PASS
WCDMA Band5	4132	826.4	2.96	13	PASS
WCDMA Band5	4182	836.4	3.07	13	PASS
WCDMA Band5	4233	846.6	2.99	13	PASS



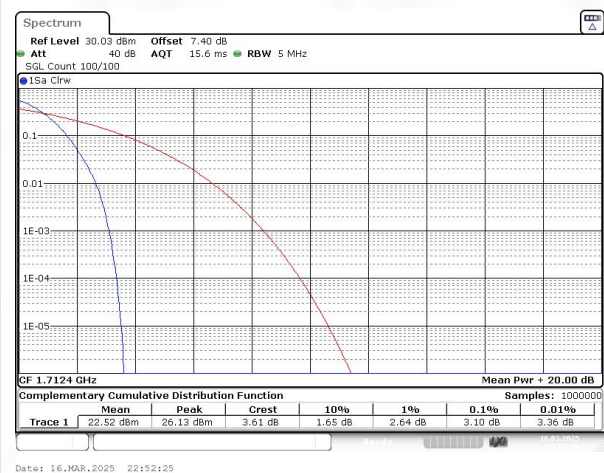
WCDMA Band2 Channel=9262



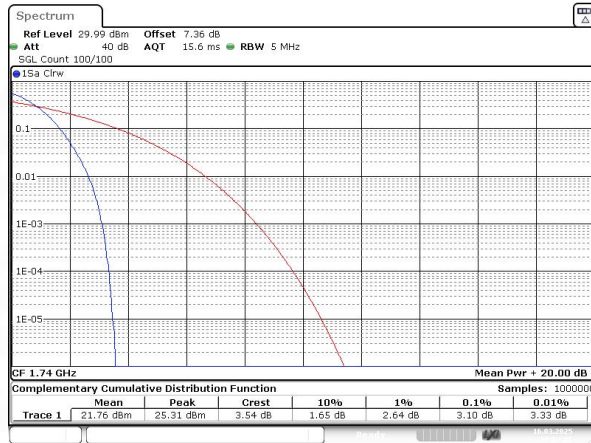
WCDMA Band2 Channel=9400



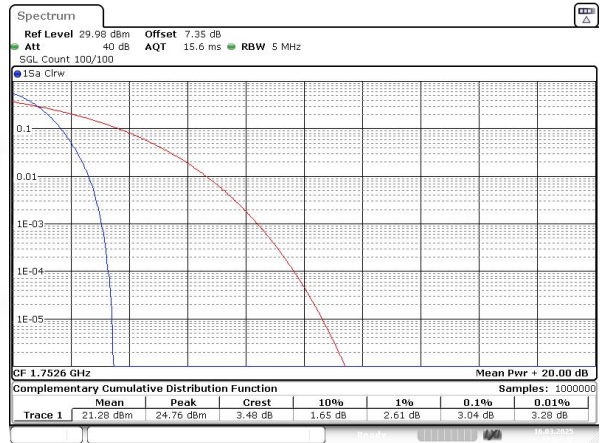
WCDMA Band2 Channel=9538



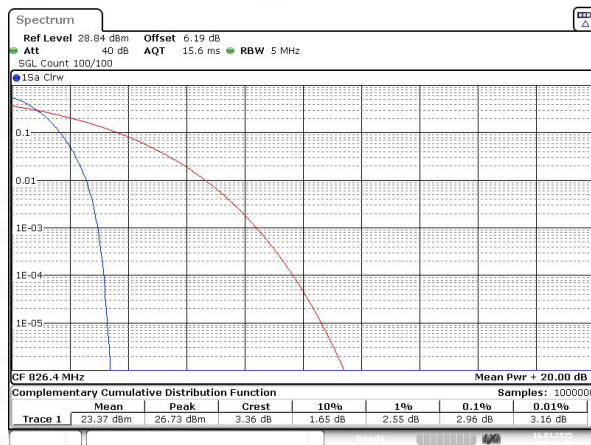
WCDMA Band4 Channel=1312



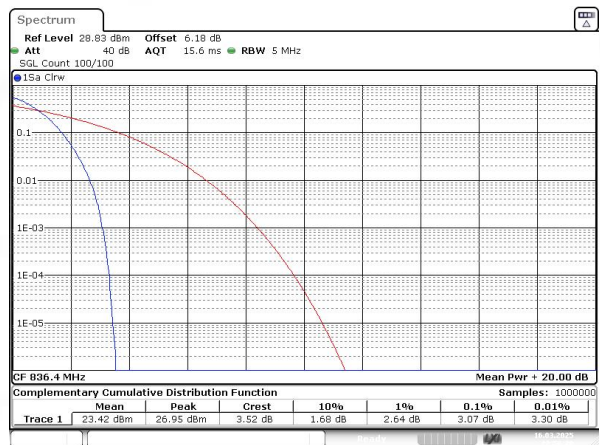
WCDMA Band4 Channel=1450



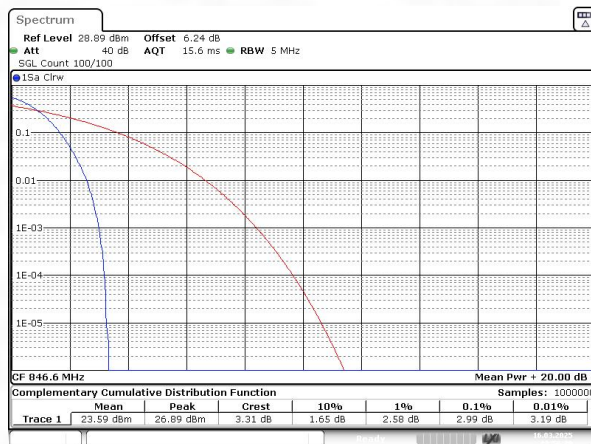
WCDMA Band4 Channel=1513



WCDMA Band5 Channel=4132



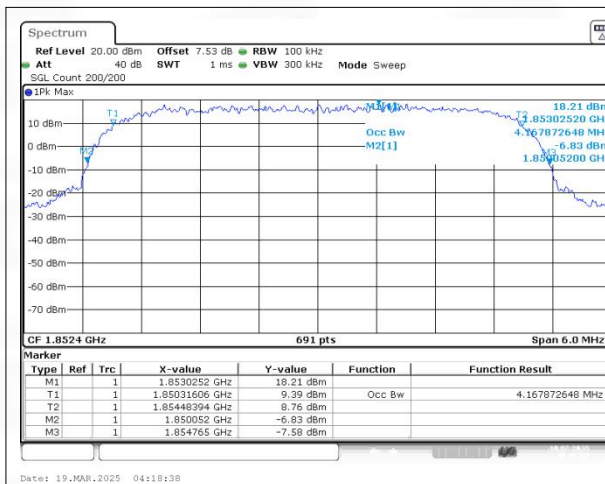
WCDMA Band5 Channel=4182



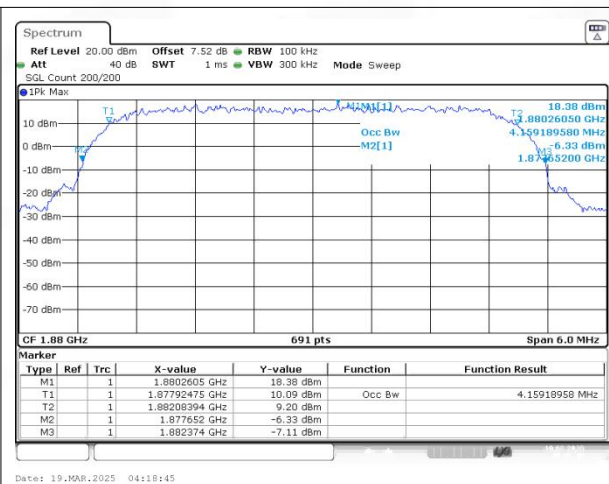
WCDMA Band5 Channel=4233

Occupied bandwidth

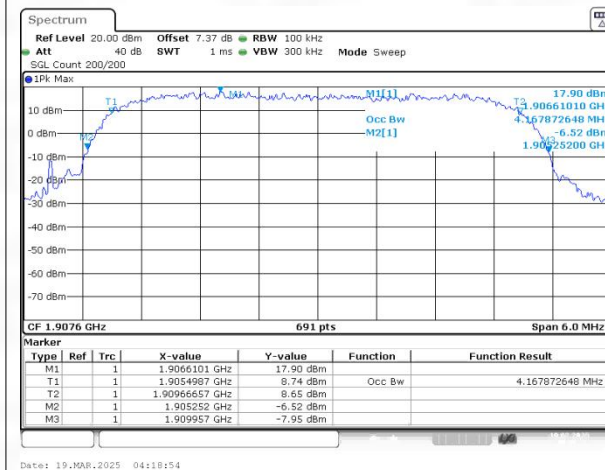
Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
WCDMA Band2	9262	1852.4	4168.000	4713.000	PASS
WCDMA Band2	9400	1880	4159.000	4722.000	PASS
WCDMA Band2	9538	1907.6	4168.000	4704.000	PASS
WCDMA Band4	1312	1712.4	4168.000	4652.000	PASS
WCDMA Band4	1450	1740	4168.000	4670.000	PASS
WCDMA Band4	1513	1752.6	4159.000	4670.000	PASS
WCDMA Band5	4132	826.4	4177.000	4696.000	PASS
WCDMA Band5	4182	836.4	4185.000	4730.000	PASS
WCDMA Band5	4233	846.6	4185.000	4713.000	PASS



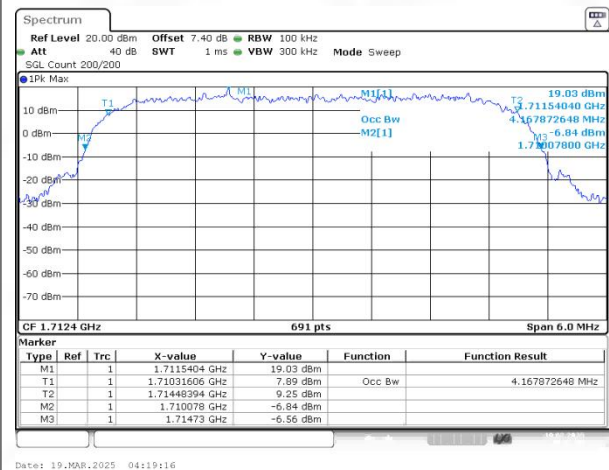
WCDMA Band2 Channel=9262



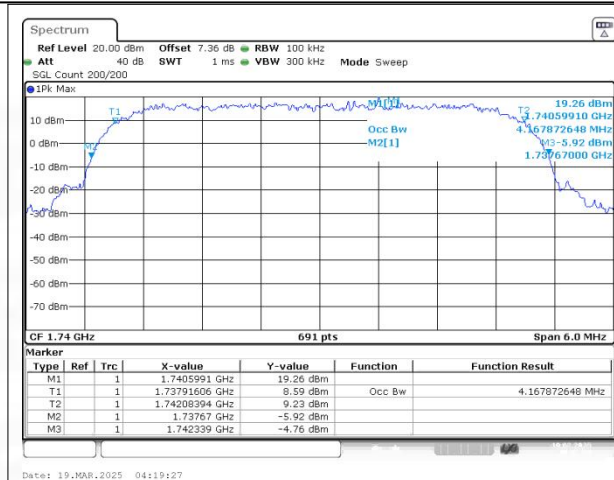
WCDMA Band2 Channel=9400



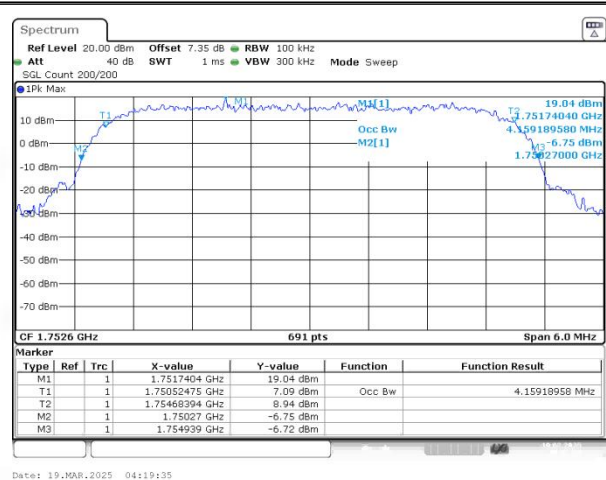
WCDMA Band2 Channel=9538



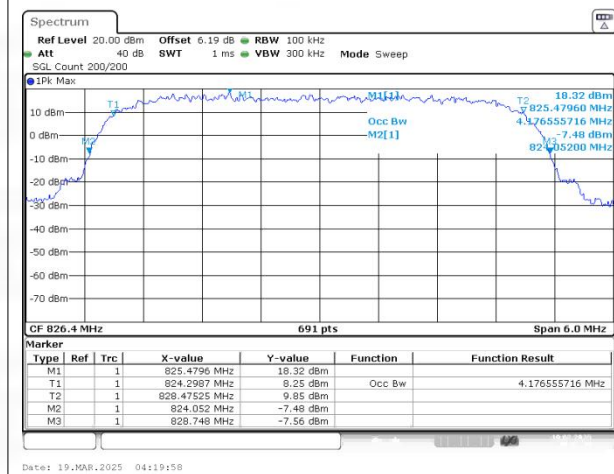
WCDMA Band4 Channel=1312



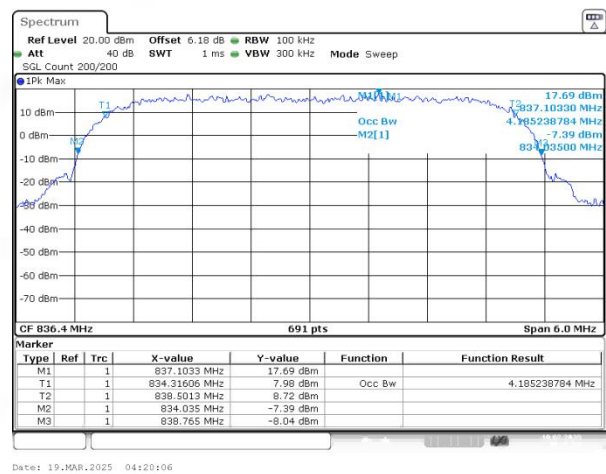
WCDMA Band4 Channel=1450



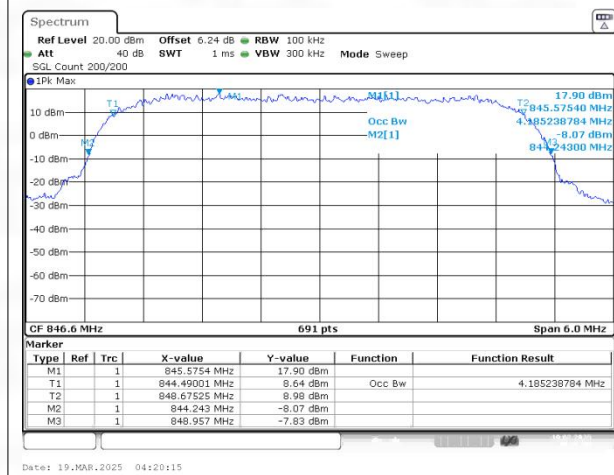
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WCDMA Band5 Channel=4132



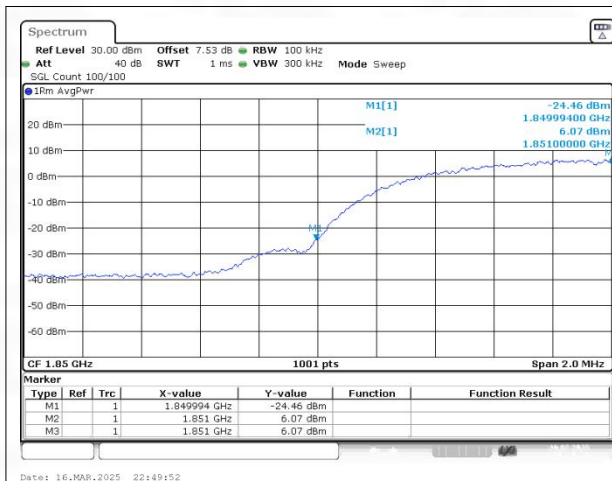
WCDMA Band5 Channel=4182



WCDMA Band5 Channel=4233

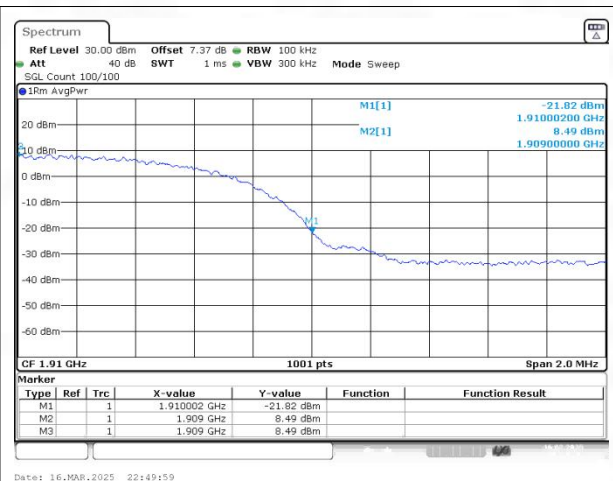
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
WCDMA Band2	9262	1852.4	1849.99	-24.45	-13	PASS
WCDMA Band2	9538	1907.6	1910.00	-21.82	-13	PASS
WCDMA Band4	1312	1712.4	1710.00	-22.43	-13	PASS
WCDMA Band4	1513	1752.6	1755.00	-23.91	-13	PASS
WCDMA Band5	4132	826.4	824.00	-21.05	-13	PASS
WCDMA Band5	4233	846.6	849.00	-21.55	-13	PASS



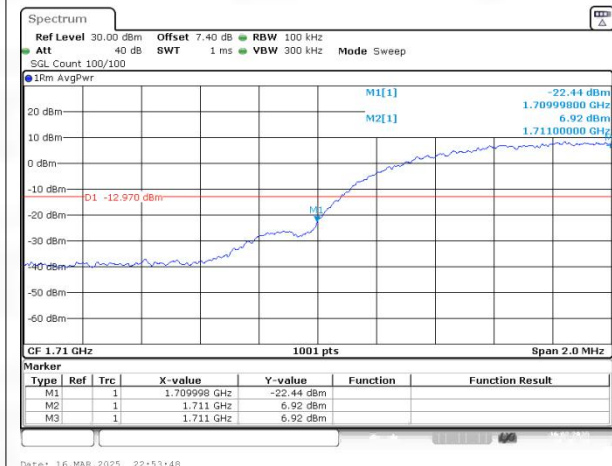
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WCDMA Band2 Channel=9262



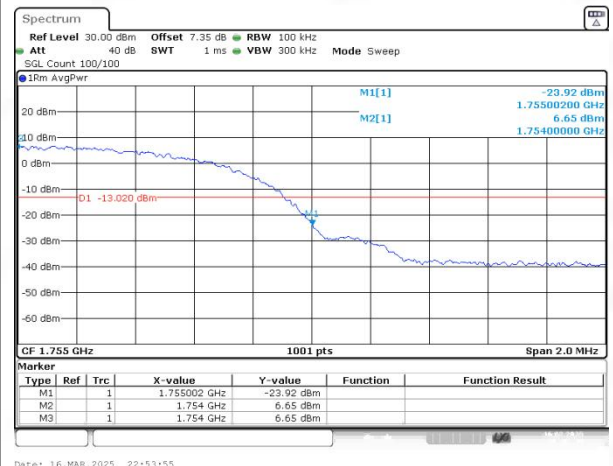
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WCDMA Band2 Channel=9538



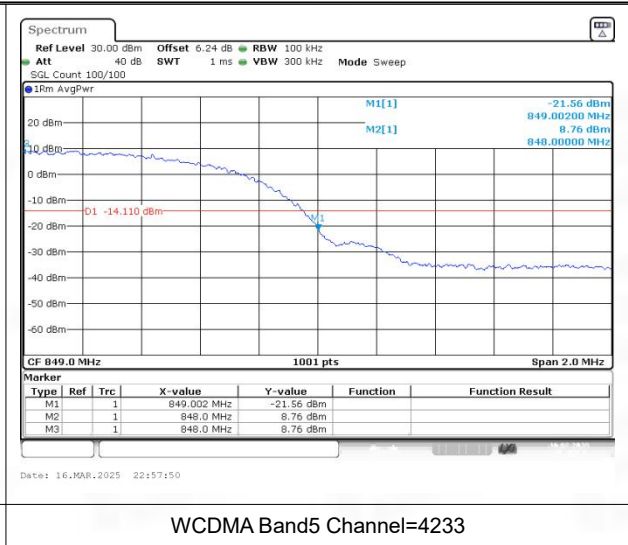
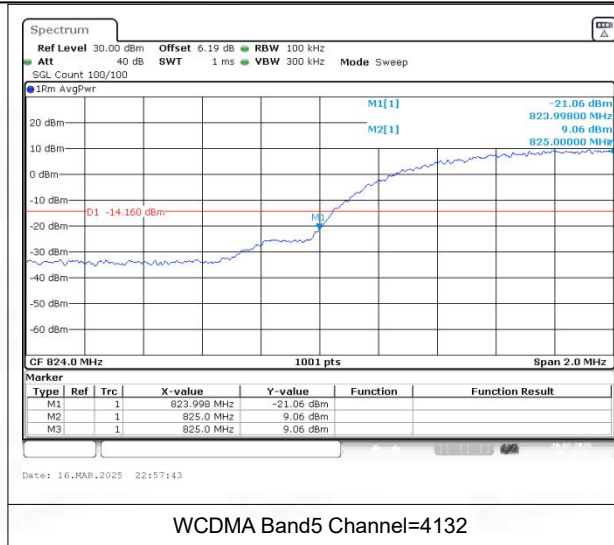
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WCDMA Band4 Channel=1312



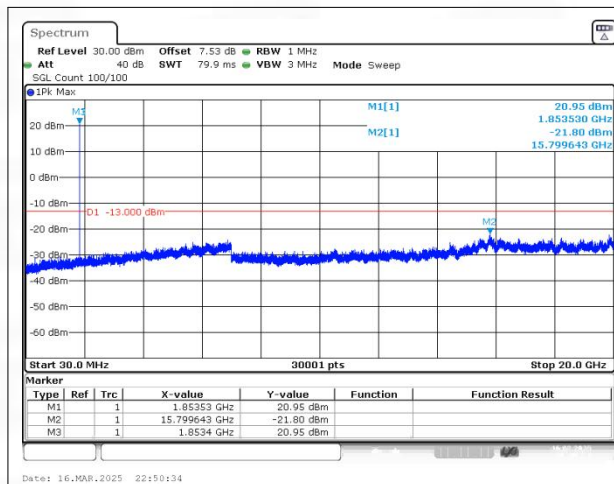
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WCDMA Band4 Channel=1513

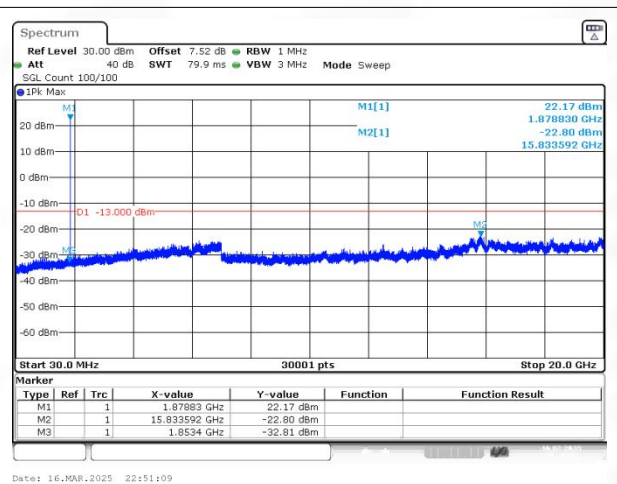


Out-of-band emissions

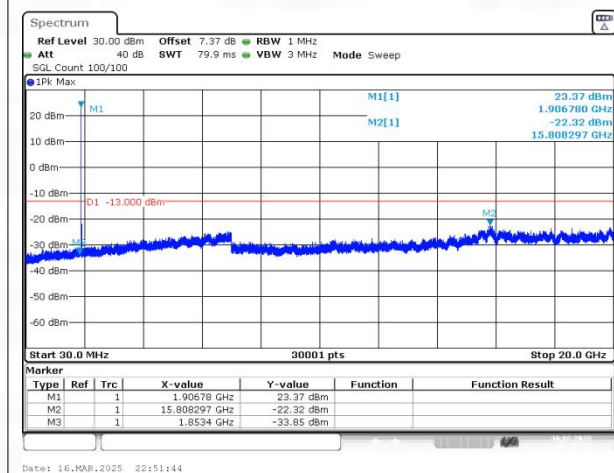
Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
WCDMA Band2	9262	1852.4	15799.64	-21.79	-13	PASS
WCDMA Band2	9400	1880	15833.59	-22.80	-13	PASS
WCDMA Band2	9538	1907.6	15808.30	-22.31	-13	PASS
WCDMA Band4	1312	1712.4	15825.60	-21.94	-13	PASS
WCDMA Band4	1450	1740	15816.29	-23.21	-13	PASS
WCDMA Band4	1513	1752.6	19888.83	-23.17	-13	PASS
WCDMA Band5	4132	826.4	6947.85	-25.72	-13	PASS
WCDMA Band5	4182	836.4	6994.05	-26.20	-13	PASS
WCDMA Band5	4233	846.6	6629.14	-26.09	-13	PASS



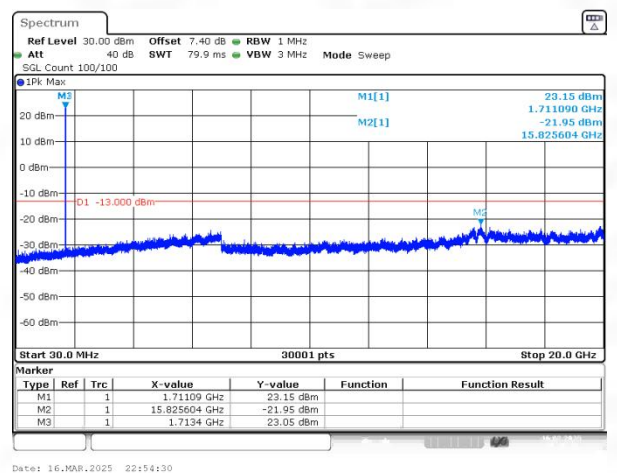
WCDMA Band2 Channel=9262



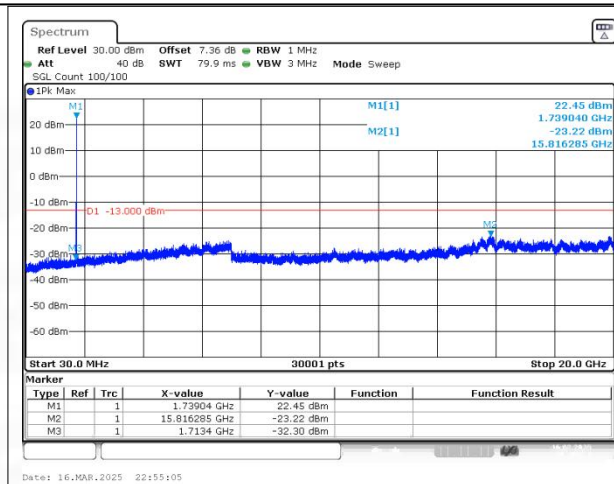
WCDMA Band2 Channel=9400



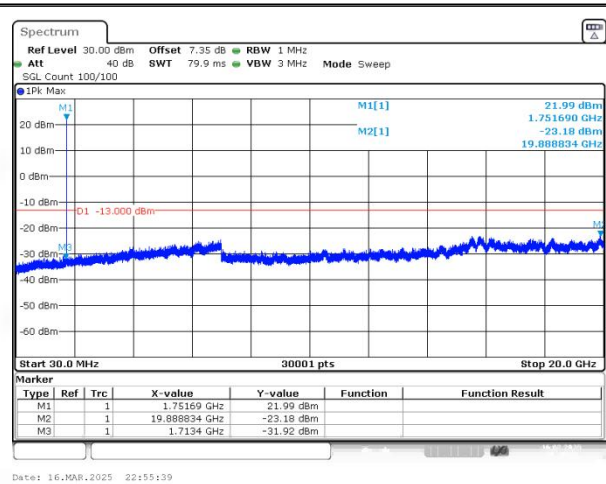
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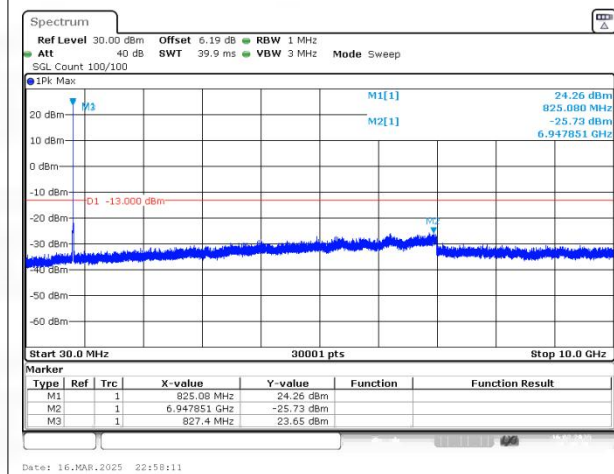
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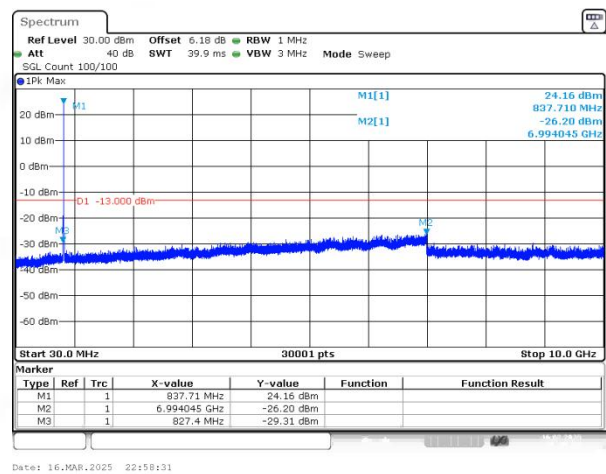
WCDMA Band4 Channel=1450



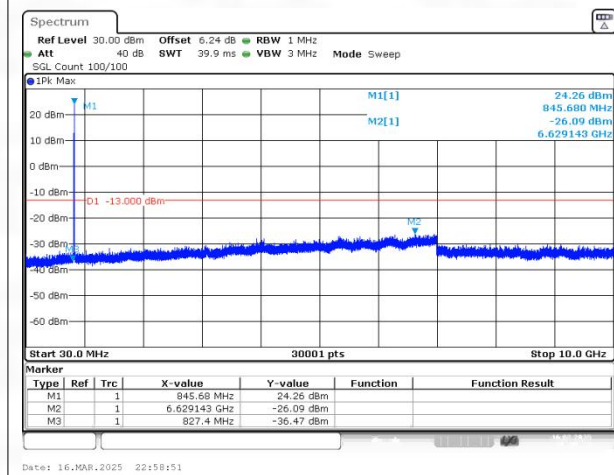
WCDMA Band4 Channel=1513



WCDMA Band5 Channel=4132



WCDMA Band5 Channel=4182



WCDMA Band5 Channel=4233