



Report

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Report

Conducted output power

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
WCDMA Band2	9262	1852.4	25.35	-1.53	23.82	33.01	PASS
WCDMA Band2	9400	1880	25.10	-1.53	23.57	33.01	PASS
WCDMA Band2	9538	1907.6	24.96	-1.53	23.43	33.01	PASS
HSDPA Band2 Subtest1	9262	1852.4	24.40	-1.53	22.87	33.01	PASS
HSDPA Band2 Subtest2	9262	1852.4	24.11	-1.53	22.58	33.01	PASS
HSDPA Band2 Subtest3	9262	1852.4	23.00	-1.53	21.47	33.01	PASS
HSDPA Band2 Subtest4	9262	1852.4	23.15	-1.53	21.62	33.01	PASS
HSDPA Band2 Subtest1	9400	1880	24.11	-1.53	22.58	33.01	PASS
HSDPA Band2 Subtest2	9400	1880	23.85	-1.53	22.32	33.01	PASS
HSDPA Band2 Subtest3	9400	1880	22.78	-1.53	21.25	33.01	PASS
HSDPA Band2 Subtest4	9400	1880	22.84	-1.53	21.31	33.01	PASS
HSDPA Band2 Subtest1	9538	1907.6	24.05	-1.53	22.52	33.01	PASS
HSDPA Band2 Subtest2	9538	1907.6	23.65	-1.53	22.12	33.01	PASS
HSDPA Band2 Subtest3	9538	1907.6	22.55	-1.53	21.02	33.01	PASS
HSDPA Band2 Subtest4	9538	1907.6	22.70	-1.53	21.17	33.01	PASS
HSUPA Band2 Subtest1	9262	1852.4	24.00	-1.53	22.47	33.01	PASS
HSUPA Band2 Subtest2	9262	1852.4	24.33	-1.53	22.80	33.01	PASS
HSUPA Band2 Subtest3	9262	1852.4	22.63	-1.53	21.10	33.01	PASS
HSUPA Band2 Subtest4	9262	1852.4	24.39	-1.53	22.86	33.01	PASS
HSUPA Band2 Subtest5	9262	1852.4	23.29	-1.53	21.76	33.01	PASS
HSUPA Band2 Subtest1	9400	1880	23.99	-1.53	22.46	33.01	PASS
HSUPA Band2 Subtest2	9400	1880	24.19	-1.53	22.66	33.01	PASS
HSUPA Band2 Subtest3	9400	1880	22.94	-1.53	21.41	33.01	PASS
HSUPA Band2 Subtest4	9400	1880	24.16	-1.53	22.63	33.01	PASS
HSUPA Band2 Subtest5	9400	1880	23.47	-1.53	21.94	33.01	PASS
HSUPA Band2 Subtest1	9538	1907.6	23.84	-1.53	22.31	33.01	PASS
HSUPA Band2 Subtest2	9538	1907.6	23.94	-1.53	22.41	33.01	PASS
HSUPA Band2 Subtest3	9538	1907.6	22.84	-1.53	21.31	33.01	PASS
HSUPA Band2 Subtest4	9538	1907.6	24.05	-1.53	22.52	33.01	PASS
HSUPA Band2 Subtest5	9538	1907.6	23.26	-1.53	21.73	33.01	PASS



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Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
WCDMA Band4	1312	1712.4	25.00	-0.01	24.99	30	PASS
WCDMA Band4	1450	1740	25.17	-0.01	25.16	30	PASS
WCDMA Band4	1513	1752.6	25.15	-0.01	25.14	30	PASS
HSDPA Band4 Subtest1	1312	1712.4	23.79	-0.01	23.78	30	PASS
HSDPA Band4 Subtest2	1312	1712.4	23.39	-0.01	23.38	30	PASS
HSDPA Band4 Subtest3	1312	1712.4	22.07	-0.01	22.06	30	PASS
HSDPA Band4 Subtest4	1312	1712.4	22.56	-0.01	22.55	30	PASS
HSDPA Band4 Subtest1	1450	1740	23.91	-0.01	23.90	30	PASS
HSDPA Band4 Subtest2	1450	1740	23.43	-0.01	23.42	30	PASS
HSDPA Band4 Subtest3	1450	1740	22.23	-0.01	22.22	30	PASS
HSDPA Band4 Subtest4	1450	1740	22.02	-0.01	22.01	30	PASS
HSDPA Band4 Subtest1	1513	1752.6	23.96	-0.01	23.95	30	PASS
HSDPA Band4 Subtest2	1513	1752.6	23.55	-0.01	23.54	30	PASS
HSDPA Band4 Subtest3	1513	1752.6	22.50	-0.01	22.49	30	PASS
HSDPA Band4 Subtest4	1513	1752.6	22.34	-0.01	22.33	30	PASS
HSUPA Band4 Subtest1	1312	1712.4	22.31	-0.01	22.30	30	PASS
HSUPA Band4 Subtest2	1312	1712.4	23.82	-0.01	23.81	30	PASS
HSUPA Band4 Subtest3	1312	1712.4	22.39	-0.01	22.38	30	PASS
HSUPA Band4 Subtest4	1312	1712.4	23.84	-0.01	23.83	30	PASS
HSUPA Band4 Subtest5	1312	1712.4	22.42	-0.01	22.41	30	PASS
HSUPA Band4 Subtest1	1450	1740	23.83	-0.01	23.82	30	PASS
HSUPA Band4 Subtest2	1450	1740	23.86	-0.01	23.85	30	PASS
HSUPA Band4 Subtest3	1450	1740	22.53	-0.01	22.52	30	PASS
HSUPA Band4 Subtest4	1450	1740	23.97	-0.01	23.96	30	PASS
HSUPA Band4 Subtest5	1450	1740	23.35	-0.01	23.34	30	PASS
HSUPA Band4 Subtest1	1513	1752.6	23.83	-0.01	23.82	30	PASS
HSUPA Band4 Subtest2	1513	1752.6	23.85	-0.01	23.84	30	PASS
HSUPA Band4 Subtest3	1513	1752.6	22.57	-0.01	22.56	30	PASS
HSUPA Band4 Subtest4	1513	1752.6	23.95	-0.01	23.94	30	PASS
HSUPA Band4 Subtest5	1513	1752.6	23.29	-0.01	23.28	30	PASS



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Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	ERP (dBm)	ERP Limit (dBm)	Verdict
WCDMA Band5	4132	826.4	24.94	-2.57	20.22	38.45	PASS
WCDMA Band5	4182	836.4	24.96	-2.57	20.24	38.45	PASS
WCDMA Band5	4233	846.6	25.15	-2.57	20.43	38.45	PASS
HSDPA Band5 Subtest1	4132	826.4	23.98	-2.57	19.26	38.45	PASS
HSDPA Band5 Subtest2	4132	826.4	23.34	-2.57	18.62	38.45	PASS
HSDPA Band5 Subtest3	4132	826.4	22.37	-2.57	17.65	38.45	PASS
HSDPA Band5 Subtest4	4132	826.4	22.60	-2.57	17.88	38.45	PASS
HSDPA Band5 Subtest1	4182	836.4	23.99	-2.57	19.27	38.45	PASS
HSDPA Band5 Subtest2	4182	836.4	23.68	-2.57	18.96	38.45	PASS
HSDPA Band5 Subtest3	4182	836.4	22.49	-2.57	17.77	38.45	PASS
HSDPA Band5 Subtest4	4182	836.4	22.23	-2.57	17.51	38.45	PASS
HSDPA Band5 Subtest1	4233	846.6	24.19	-2.57	19.47	38.45	PASS
HSDPA Band5 Subtest2	4233	846.6	23.81	-2.57	19.09	38.45	PASS
HSDPA Band5 Subtest3	4233	846.6	22.28	-2.57	17.56	38.45	PASS
HSDPA Band5 Subtest4	4233	846.6	22.40	-2.57	17.68	38.45	PASS
HSUPA Band5 Subtest1	4132	826.4	22.96	-2.57	18.24	38.45	PASS
HSUPA Band5 Subtest2	4132	826.4	23.86	-2.57	19.14	38.45	PASS
HSUPA Band5 Subtest3	4132	826.4	22.25	-2.57	17.53	38.45	PASS
HSUPA Band5 Subtest4	4132	826.4	23.95	-2.57	19.23	38.45	PASS
HSUPA Band5 Subtest5	4132	826.4	22.55	-2.57	17.83	38.45	PASS
HSUPA Band5 Subtest1	4182	836.4	23.88	-2.57	19.16	38.45	PASS
HSUPA Band5 Subtest2	4182	836.4	23.90	-2.57	19.18	38.45	PASS
HSUPA Band5 Subtest3	4182	836.4	22.62	-2.57	17.90	38.45	PASS
HSUPA Band5 Subtest4	4182	836.4	24.01	-2.57	19.29	38.45	PASS
HSUPA Band5 Subtest5	4182	836.4	23.43	-2.57	18.71	38.45	PASS
HSUPA Band5 Subtest1	4233	846.6	24.00	-2.57	19.28	38.45	PASS
HSUPA Band5 Subtest2	4233	846.6	24.17	-2.57	19.45	38.45	PASS
HSUPA Band5 Subtest3	4233	846.6	22.73	-2.57	18.01	38.45	PASS
HSUPA Band5 Subtest4	4233	846.6	24.20	-2.57	19.48	38.45	PASS
HSUPA Band5 Subtest5	4233	846.6	23.54	-2.57	18.82	38.45	PASS



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Frequency stability

UMTS Band 2 /1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	3.62	0.002	Within Authorized Band	PASS
40		3.99	0.002		
30		-3.94	-0.002		
20		5.78	0.003		
10		-3.44	-0.002		
0		-3.85	-0.002		
-10		3.86	0.002		
-20		-3.60	-0.002		
-30		3.52	0.002		
20	Maximum Voltage	3.53	0.002		
20	BEP	3.98	0.002		

UMTS Band 4 /1740MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-3.95	-0.002	Within Authorized Band	PASS
40		3.71	0.002		
30		-3.73	-0.002		
20		5.95	0.003		
10		3.57	0.002		
0		3.55	0.002		
-10		3.57	0.002		
-20		4.10	0.002		
-30		3.67	0.002		
20	Maximum Voltage	4.04	0.002		
20	BEP	3.94	0.002		



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UMTS Band 5 / 836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-3.30	-0.004	2.5ppm	PASS
40		-3.39	-0.004		
30		-3.25	-0.004		
20		5.16	0.006		
10		3.43	0.004		
0		3.63	0.004		
-10		3.69	0.004		
-20		-3.61	-0.004		
-30		3.29	0.004		
20	Maximum Voltage	-3.69	-0.004		
20	BEP	-3.31	-0.004		

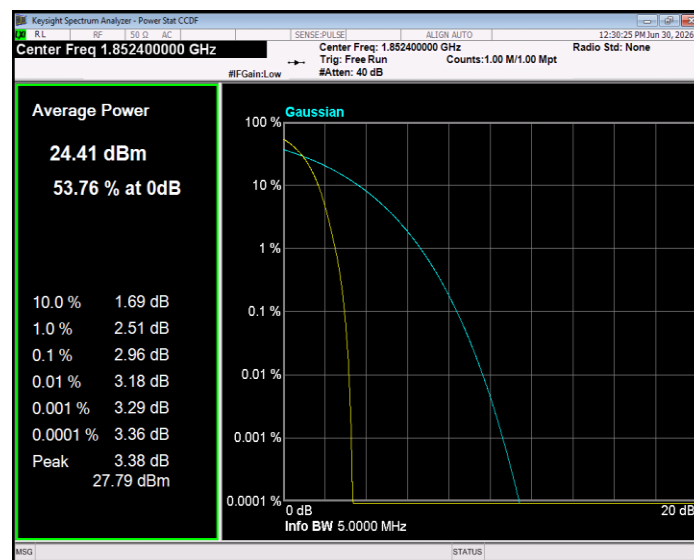


Report

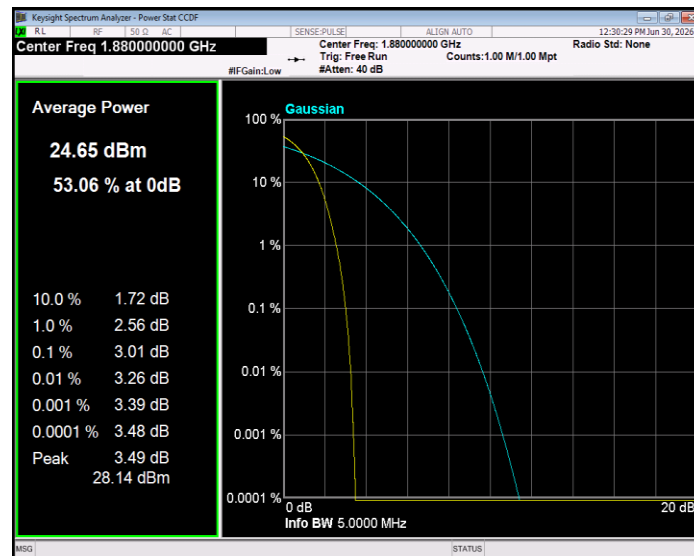
Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
WCDMA Band2	9262	1852.4	2.96	13	PASS
WCDMA Band2	9400	1880	3.01	13	PASS
WCDMA Band2	9538	1907.6	2.93	13	PASS
WCDMA Band4	1312	1712.4	3.07	13	PASS
WCDMA Band4	1450	1740	2.96	13	PASS
WCDMA Band4	1513	1752.6	3.09	13	PASS
WCDMA Band5	4132	826.4	3.01	13	PASS
WCDMA Band5	4182	836.4	3.05	13	PASS
WCDMA Band5	4233	846.6	2.93	13	PASS

WCDMA Band2 Channel=9262



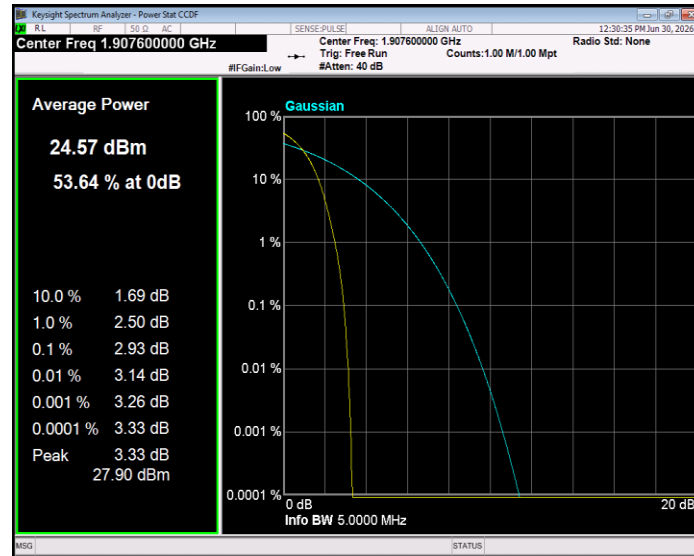
WCDMA Band2 Channel=9400



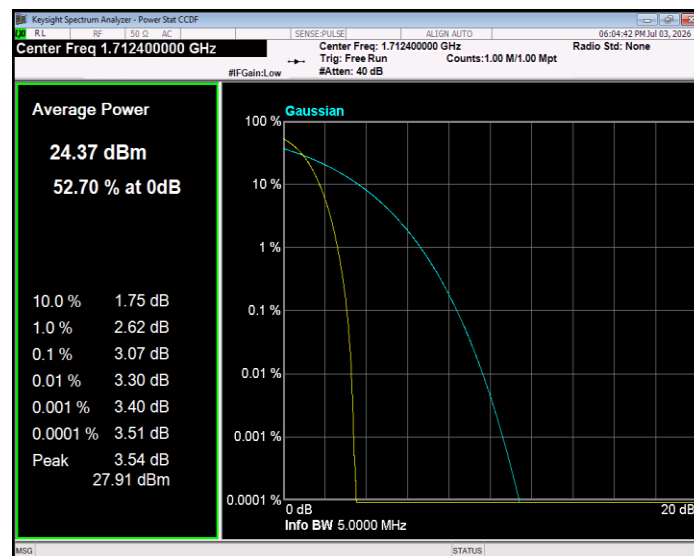
WCDMA Band2 Channel=9538



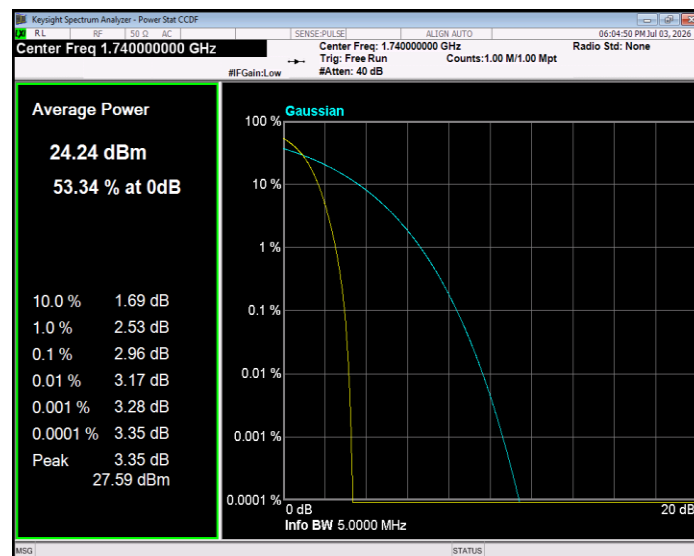
Report



WCDMA Band4 Channel=1312



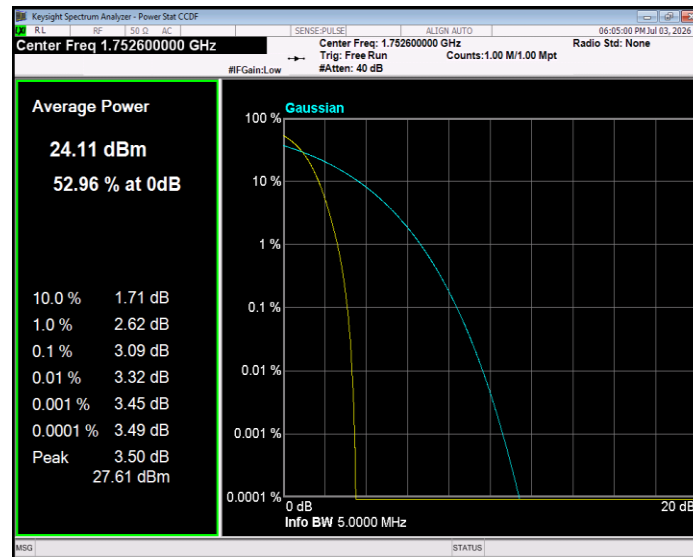
WCDMA Band4 Channel=1450



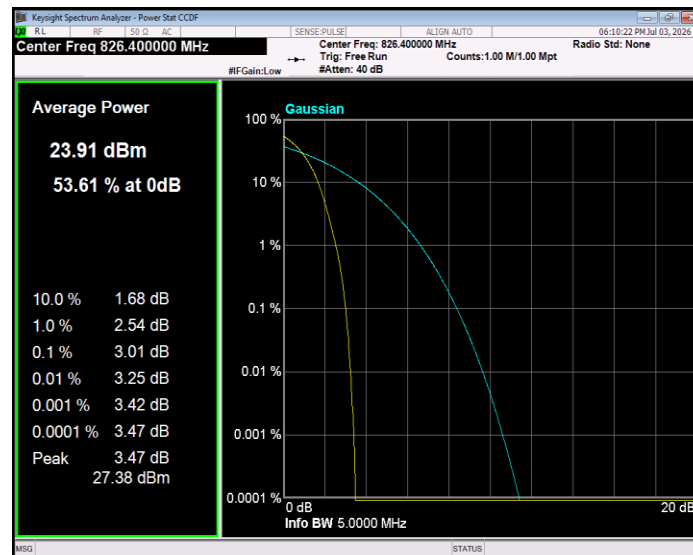


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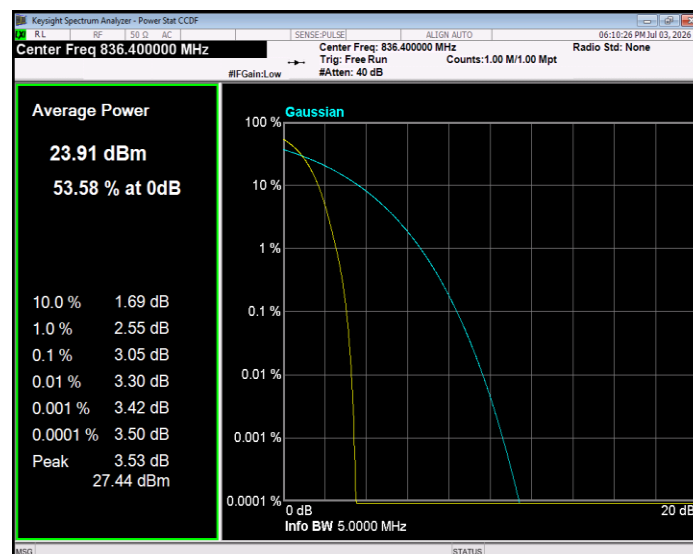
WCDMA Band4 Channel=1513



WCDMA Band5 Channel=4132



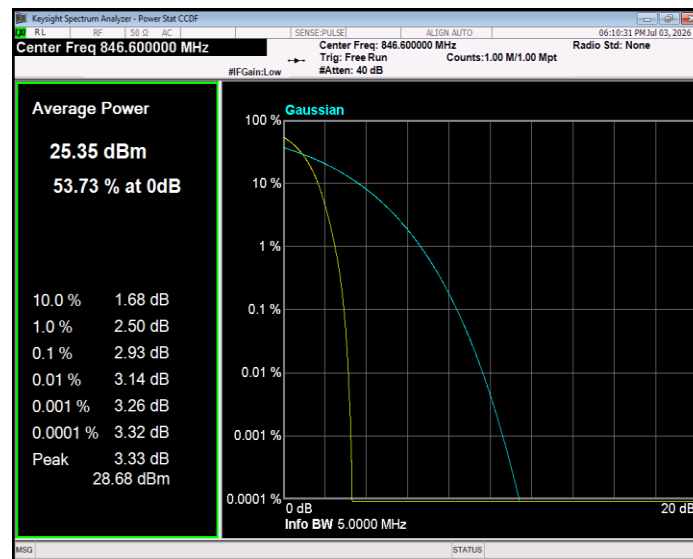
WCDMA Band5 Channel=4182





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WCDMA Band5 Channel=4233



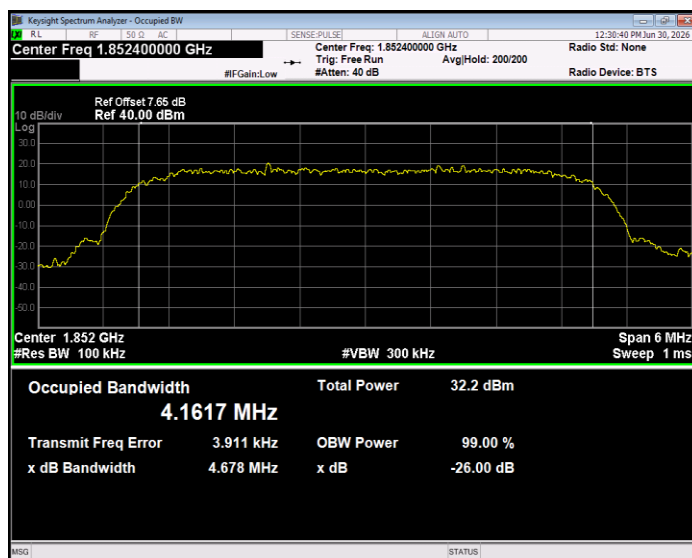


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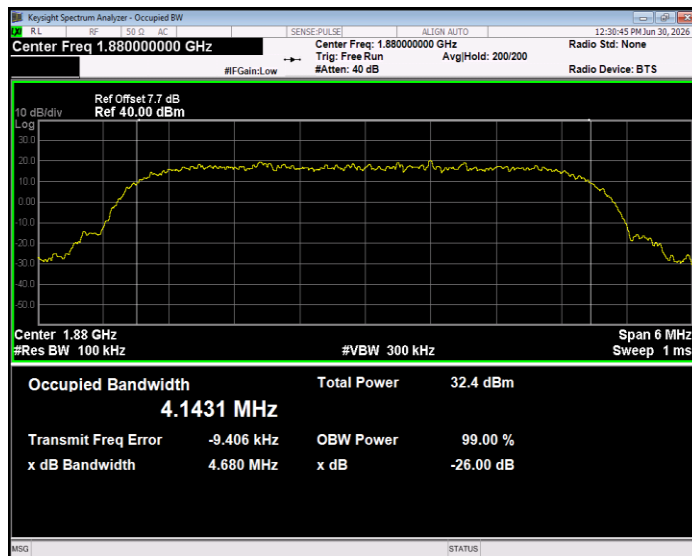
Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
WCDMA Band2	9262	1852.4	4.162	4.678	PASS
WCDMA Band2	9400	1880	4.143	4.680	PASS
WCDMA Band2	9538	1907.6	4.171	4.697	PASS
WCDMA Band4	1312	1712.4	4.159	4.711	PASS
WCDMA Band4	1450	1740	4.125	4.702	PASS
WCDMA Band4	1513	1752.6	4.148	4.720	PASS
WCDMA Band5	4132	826.4	4.161	4.730	PASS
WCDMA Band5	4182	836.4	4.159	4.693	PASS
WCDMA Band5	4233	846.6	4.146	4.685	PASS

WCDMA Band2 Channel=9262



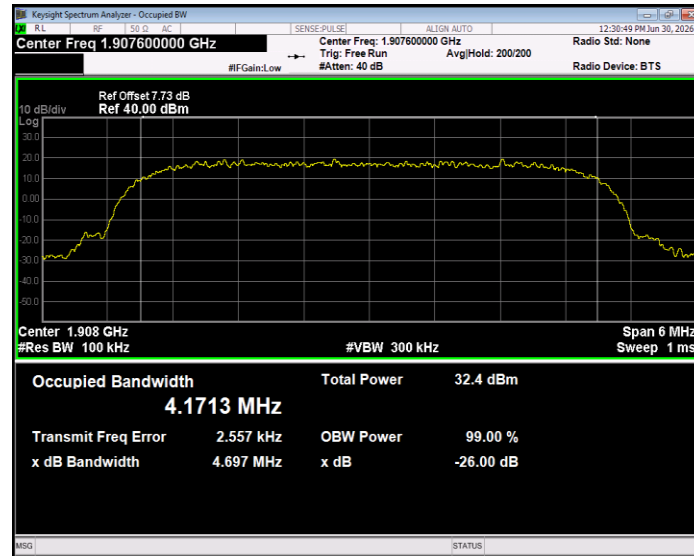
WCDMA Band2 Channel=9400



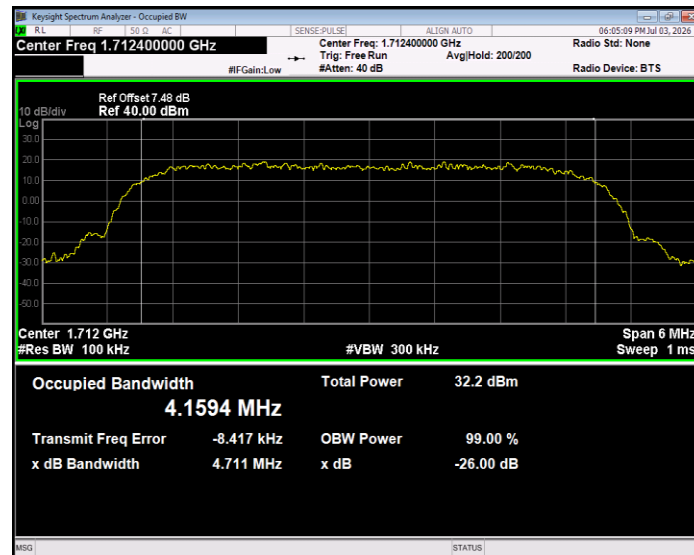
WCDMA Band2 Channel=9538



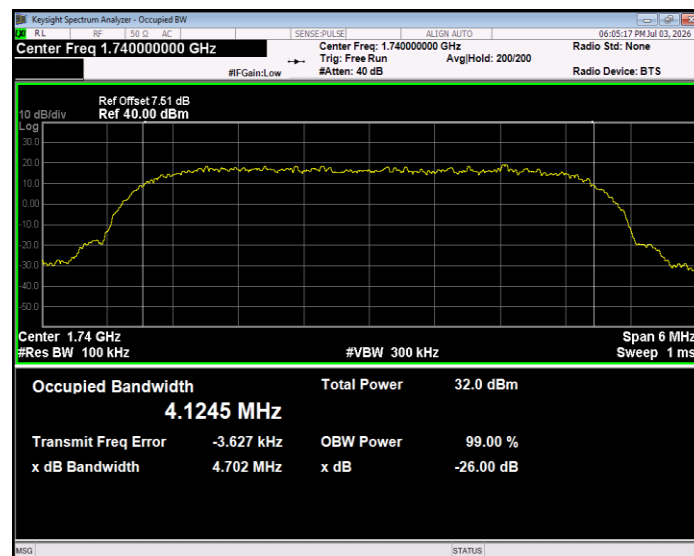
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WCDMA Band4 Channel=1312



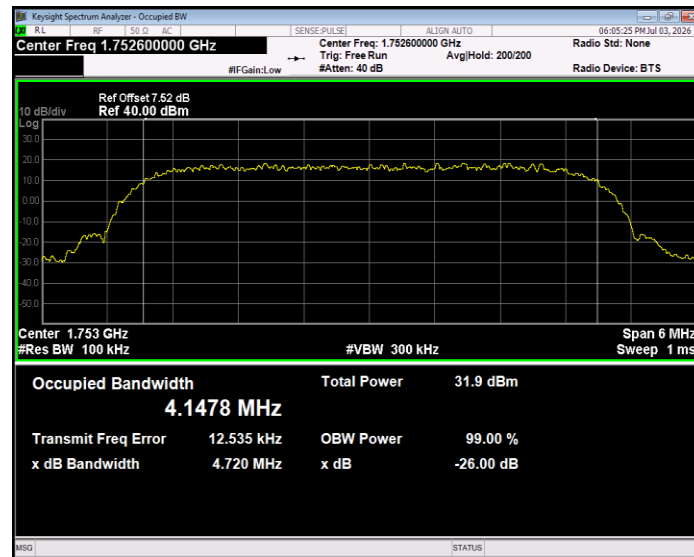
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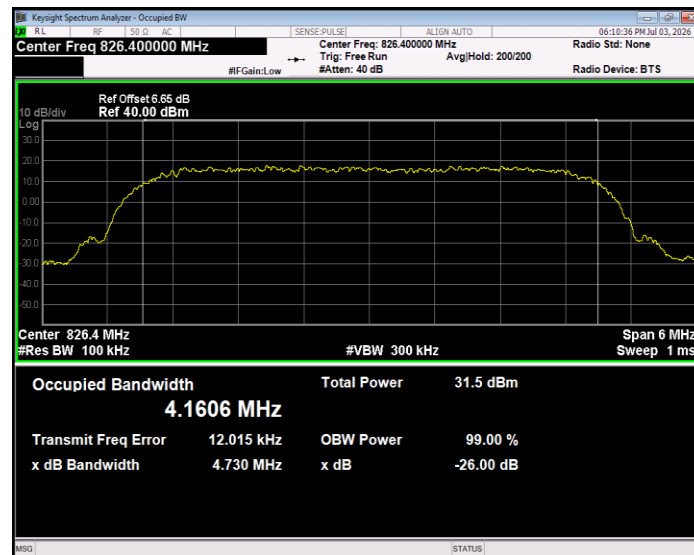


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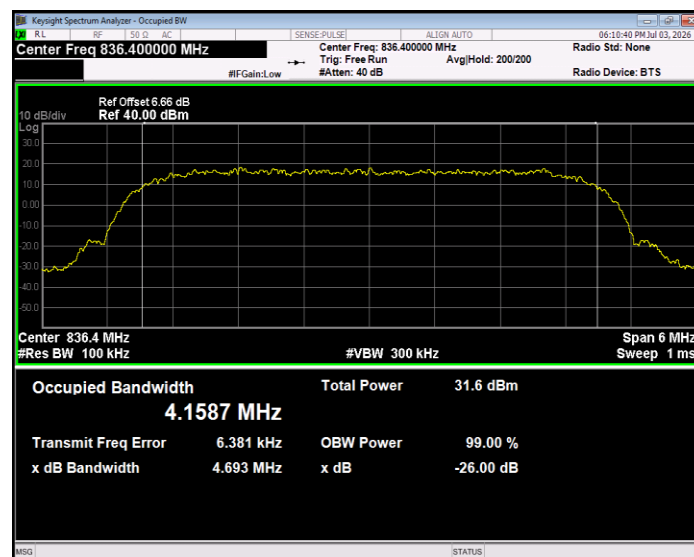
WCDMA Band4 Channel=1513



WCDMA Band5 Channel=4132



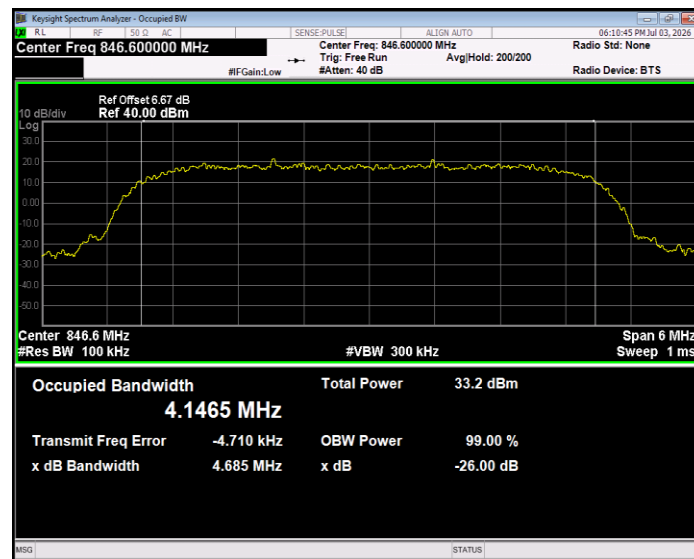
WCDMA Band5 Channel=4182





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WCDMA Band5 Channel=4233



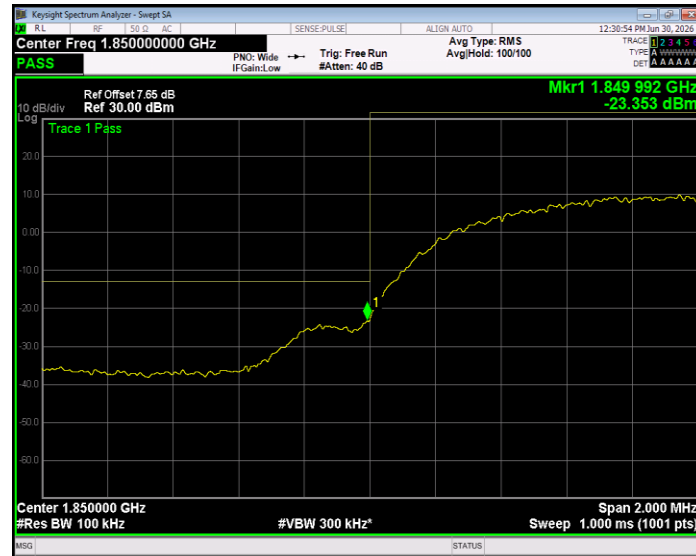


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Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
WCDMA Band2	9262	1852.4	1849.99	-23.35	-13	PASS
WCDMA Band2	9538	1907.6	1910.00	-21.53	-13	PASS
WCDMA Band4	1312	1712.4	1710.00	-22.81	-13	PASS
WCDMA Band4	1513	1752.6	1755.00	-21.12	-13	PASS
WCDMA Band5	4132	826.4	824.00	-22.88	-13	PASS
WCDMA Band5	4233	846.6	849.00	-20.26	-13	PASS

WCDMA Band2 Channel=9262



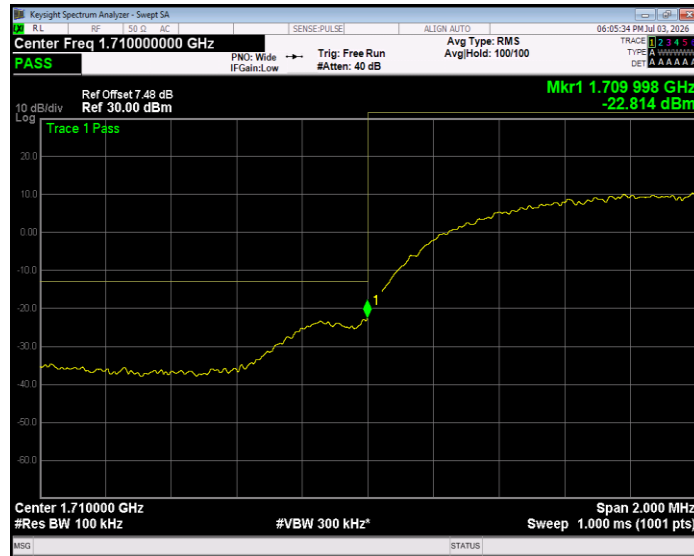
WCDMA Band2 Channel=9538



WCDMA Band4 Channel=1312



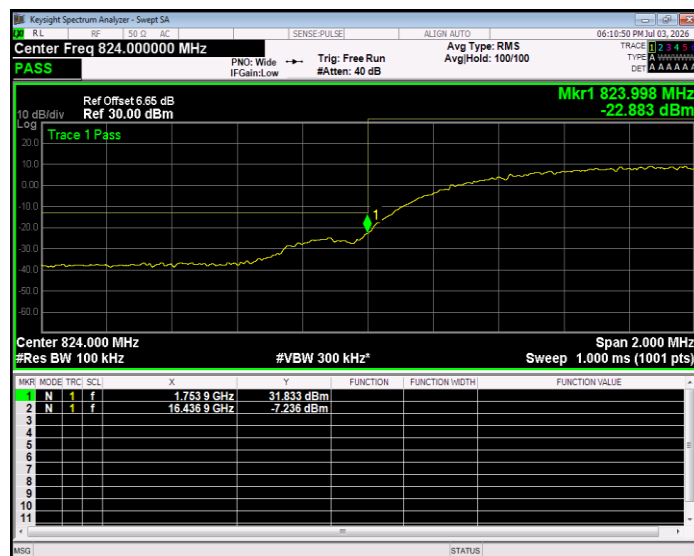
Report



WCDMA Band4 Channel=1513



WCDMA Band5 Channel=4132





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WCDMA Band5 Channel=4233



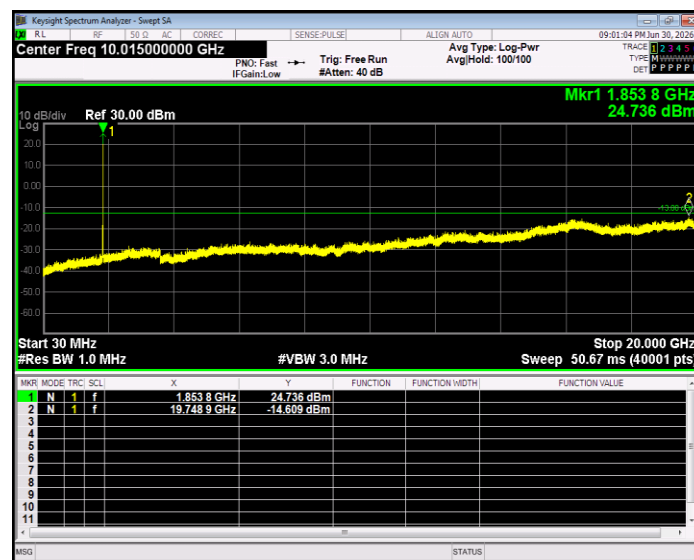


Report

Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
WCDMA Band2	9262	1852.4	19748.88	-14.60	-13	PASS
WCDMA Band2	9400	1880	19742.89	-14.22	-13	PASS
WCDMA Band2	9538	1907.6	19840.24	-14.80	-13	PASS
WCDMA Band4	1312	1712.4	19758.86	-30.85	-13	PASS
WCDMA Band4	1450	1740	19981.53	-31.69	-13	PASS
WCDMA Band4	1513	1752.6	18601.60	-31.71	-13	PASS
WCDMA Band5	4132	826.4	9286.90	-18.90	-13	PASS
WCDMA Band5	4182	836.4	9989.28	-19.05	-13	PASS
WCDMA Band5	4233	846.6	9920.49	-18.06	-13	PASS

WCDMA Band2 Channel=9262



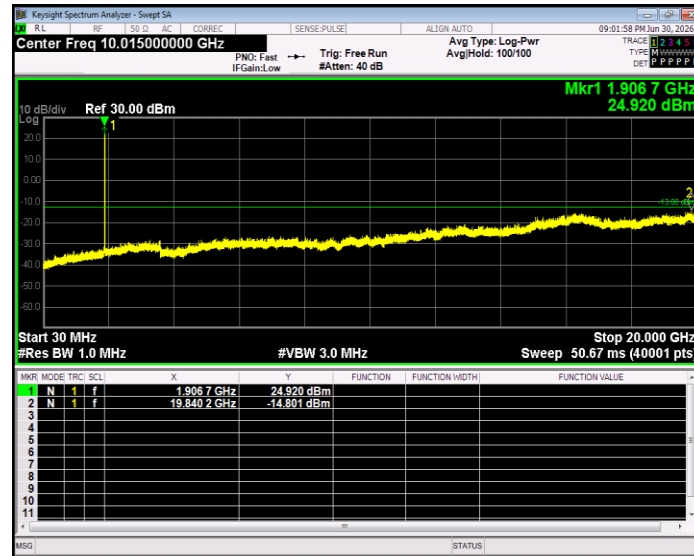
WCDMA Band2 Channel=9400



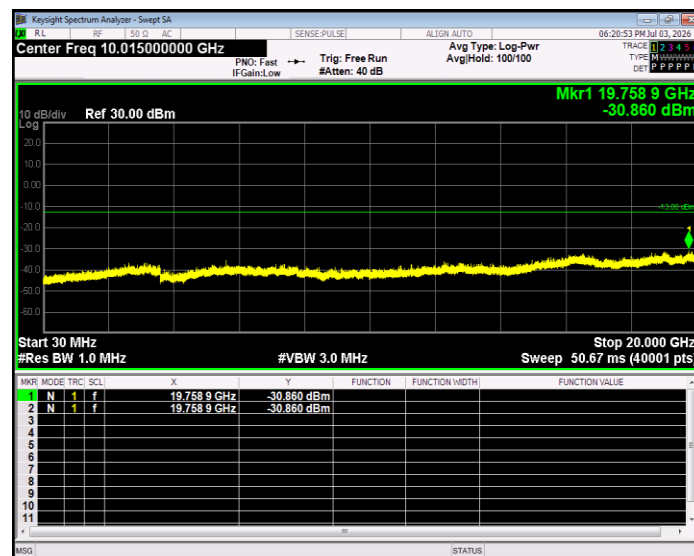
WCDMA Band2 Channel=9538



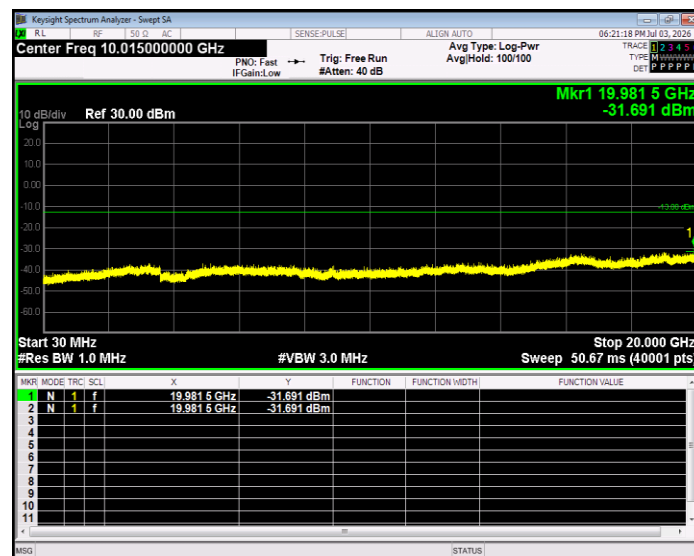
Report



WCDMA Band4 Channel=1312



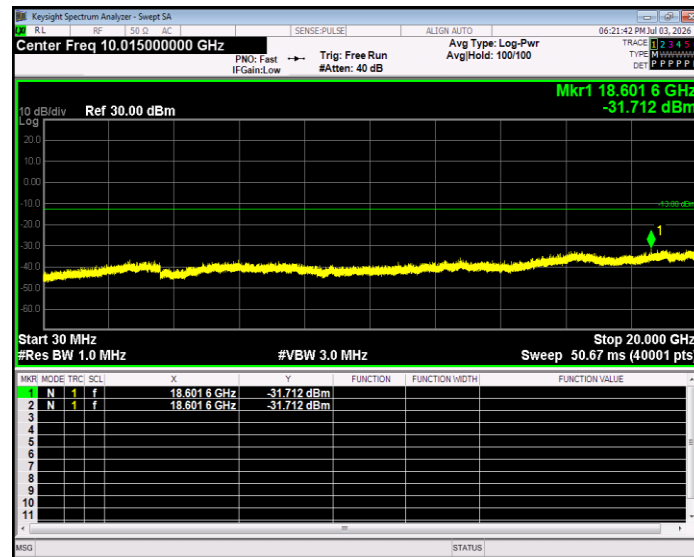
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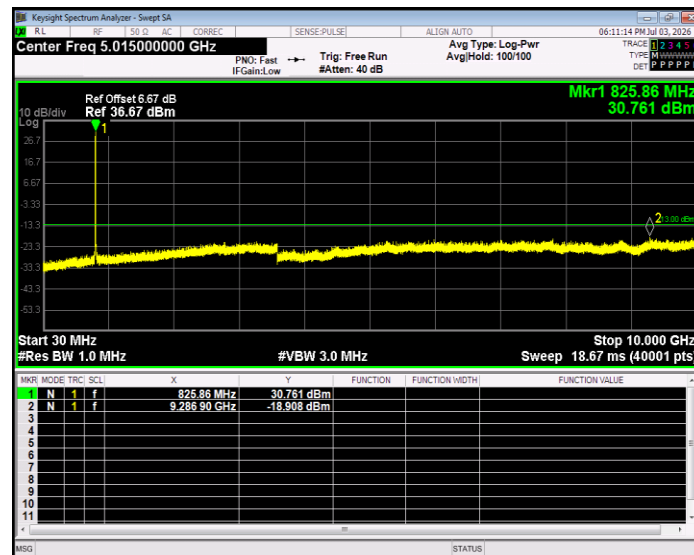


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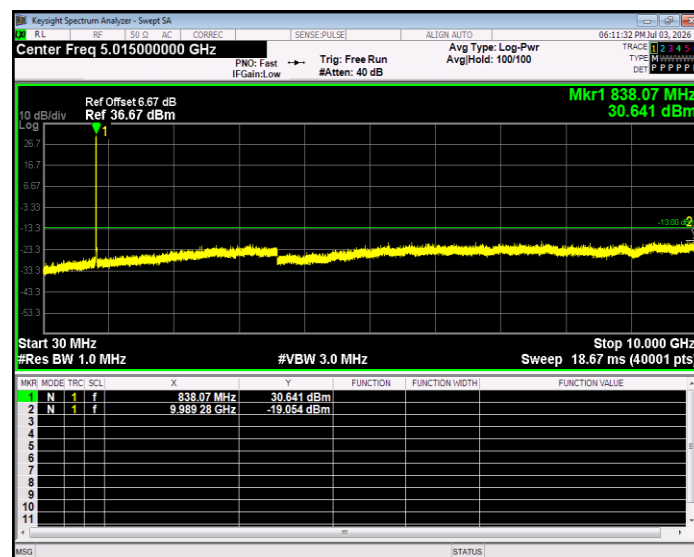
WCDMA Band4 Channel=1513



WCDMA Band5 Channel=4132



WCDMA Band5 Channel=4182





Report

WCDMA Band5 Channel=4233

