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## 01 Conducted output power

<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>Conducted Output AV Power (dBm)</i>	<i>Antenna Gain (dBi)</i>	<i>ERP/EIRP (dBm)</i>	<i>Limt (dBm)</i>	<i>Verdict</i>
WCDMA Band2	9262	1852.4	23.76	-0.81	22.95	33.01	PASS
WCDMA Band2	9400	1880	<b>23.84</b>	-0.81	<b>23.03</b>	33.01	PASS
WCDMA Band2	9538	1907.6	23.77	-0.81	22.96	33.01	PASS
HSUPA Band2 Subtest1	9262	1852.4	21.59	-0.81	20.78	33.01	PASS
HSUPA Band2 Subtest1	9400	1880	21.71	-0.81	20.90	33.01	PASS
HSUPA Band2 Subtest1	9538	1907.6	21.75	-0.81	20.94	33.01	PASS
HSUPA Band2 Subtest2	9262	1852.4	21.53	-0.81	20.72	33.01	PASS
HSUPA Band2 Subtest2	9400	1880	21.58	-0.81	20.77	33.01	PASS
HSUPA Band2 Subtest2	9538	1907.6	21.75	-0.81	20.94	33.01	PASS
HSUPA Band2 Subtest3	9262	1852.4	22.51	-0.81	21.70	33.01	PASS
HSUPA Band2 Subtest3	9400	1880	22.60	-0.81	21.79	33.01	PASS
HSUPA Band2 Subtest3	9538	1907.6	22.63	-0.81	21.82	33.01	PASS
HSUPA Band2 Subtest4	9262	1852.4	21.02	-0.81	20.21	33.01	PASS
HSUPA Band2 Subtest4	9400	1880	21.28	-0.81	20.47	33.01	PASS
HSUPA Band2 Subtest4	9538	1907.6	21.20	-0.81	20.39	33.01	PASS
HSUPA Band2 Subtest5	9262	1852.4	22.52	-0.81	21.71	33.01	PASS
HSUPA Band2 Subtest5	9400	1880	22.72	-0.81	21.91	33.01	PASS
HSUPA Band2 Subtest5	9538	1907.6	22.77	-0.81	21.96	33.01	PASS
HSDPA Band2 Subtest1	9262	1852.4	23.79	-0.81	22.98	33.01	PASS
HSDPA Band2 Subtest2	9262	1852.4	22.18	-0.81	21.37	33.01	PASS
HSDPA Band2 Subtest3	9262	1852.4	20.60	-0.81	19.79	33.01	PASS
HSDPA Band2 Subtest4	9262	1852.4	20.13	-0.81	19.32	33.01	PASS
HSDPA Band2 Subtest1	9400	1880	23.61	-0.81	22.80	33.01	PASS
HSDPA Band2 Subtest2	9400	1880	22.28	-0.81	21.47	33.01	PASS
HSDPA Band2 Subtest3	9400	1880	20.73	-0.81	19.92	33.01	PASS
HSDPA Band2 Subtest4	9400	1880	19.94	-0.81	19.13	33.01	PASS
HSDPA Band2 Subtest1	9538	1907.6	23.64	-0.81	22.83	33.01	PASS
HSDPA Band2 Subtest2	9538	1907.6	21.95	-0.81	21.14	33.01	PASS
HSDPA Band2 Subtest3	9538	1907.6	20.73	-0.81	19.92	33.01	PASS
HSDPA Band2 Subtest4	9538	1907.6	20.53	-0.81	19.72	33.01	PASS

<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>Conducted Output AV Power (dBm)</i>	<i>Antenna Gain (dBi)</i>	<i>ERP/EIRP (dBm)</i>	<i>Limt (dBm)</i>	<i>Verdict</i>
WCDMA Band4	1312	1712.4	23.23	-0.81	22.42	30.00	PASS
WCDMA Band4	1413	1732.6	<b>23.39</b>	-0.81	<b>22.58</b>	30.00	PASS
WCDMA Band4	1513	1752.6	23.04	-0.81	22.23	30.00	PASS
HSUPA Band4 Subtest1	1312	1712.4	22.24	-0.81	21.43	30.00	PASS
HSUPA Band4 Subtest1	1413	1732.6	22.40	-0.81	21.59	30.00	PASS
HSUPA Band4 Subtest1	1513	1752.6	23.06	-0.81	22.25	30.00	PASS
HSUPA Band4 Subtest2	1312	1712.4	22.23	-0.81	21.42	30.00	PASS
HSUPA Band4 Subtest2	1413	1732.6	22.34	-0.81	21.53	30.00	PASS
HSUPA Band4 Subtest2	1513	1752.6	23.02	-0.81	22.21	30.00	PASS
HSUPA Band4 Subtest3	1312	1712.4	22.22	-0.81	21.41	30.00	PASS
HSUPA Band4 Subtest3	1413	1732.6	22.33	-0.81	21.52	30.00	PASS
HSUPA Band4 Subtest3	1513	1752.6	22.01	-0.81	21.20	30.00	PASS
HSUPA Band4 Subtest4	1312	1712.4	22.73	-0.81	21.92	30.00	PASS
HSUPA Band4 Subtest4	1413	1732.6	21.91	-0.81	21.10	30.00	PASS
HSUPA Band4 Subtest4	1513	1752.6	22.52	-0.81	21.71	30.00	PASS
HSUPA Band4 Subtest5	1312	1712.4	22.25	-0.81	21.44	30.00	PASS
HSUPA Band4 Subtest5	1413	1732.6	21.37	-0.81	20.56	30.00	PASS
HSUPA Band4 Subtest5	1513	1752.6	23.02	-0.81	22.21	30.00	PASS
HSDPA Band4 Subtest1	1312	1712.4	21.27	-0.81	20.46	30.00	PASS
HSDPA Band4 Subtest2	1312	1712.4	21.99	-0.81	21.18	30.00	PASS
HSDPA Band4 Subtest3	1312	1712.4	21.79	-0.81	20.98	30.00	PASS
HSDPA Band4 Subtest4	1312	1712.4	22.60	-0.81	21.79	30.00	PASS
HSDPA Band4 Subtest1	1413	1732.6	21.42	-0.81	20.61	30.00	PASS
HSDPA Band4 Subtest2	1413	1732.6	22.76	-0.81	21.95	30.00	PASS
HSDPA Band4 Subtest3	1413	1732.6	22.75	-0.81	21.94	30.00	PASS
HSDPA Band4 Subtest4	1413	1732.6	21.29	-0.81	20.48	30.00	PASS
HSDPA Band4 Subtest1	1513	1752.6	22.09	-0.81	21.28	30.00	PASS
HSDPA Band4 Subtest2	1513	1752.6	22.64	-0.81	21.83	30.00	PASS
HSDPA Band4 Subtest3	1513	1752.6	22.55	-0.81	21.74	30.00	PASS
HSDPA Band4 Subtest4	1513	1752.6	23.04	-0.81	22.23	30.00	PASS

<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>Conducted Output AV Power (dBm)</i>	<i>Antenna Gain (dBi)</i>	<i>ERP/EIRP (dBm)</i>	<i>Limt (dBm)</i>	<i>Verdict</i>
WCDMA Band5	4132	826.4	24.94	-0.81	24.13	38.45	PASS
WCDMA Band5	4182	836.4	<b>25.15</b>	-0.81	<b>24.24</b>	38.45	PASS
WCDMA Band5	4233	846.6	25.12	-0.81	24.31	38.45	PASS
HSUPA Band5 Subtest1	4132	826.4	22.00	-0.81	21.19	38.45	PASS
HSUPA Band5 Subtest1	4182	836.4	22.09	-0.81	21.28	38.45	PASS
HSUPA Band5 Subtest1	4233	846.6	22.17	-0.81	21.36	38.45	PASS
HSUPA Band5 Subtest2	4132	826.4	22.02	-0.81	21.21	38.45	PASS
HSUPA Band5 Subtest2	4182	836.4	22.06	-0.81	21.25	38.45	PASS
HSUPA Band5 Subtest2	4233	846.6	22.13	-0.81	21.32	38.45	PASS
HSUPA Band5 Subtest3	4132	826.4	23.05	-0.81	22.24	38.45	PASS
HSUPA Band5 Subtest3	4182	836.4	23.04	-0.81	22.23	38.45	PASS
HSUPA Band5 Subtest3	4233	846.6	23.09	-0.81	22.28	38.45	PASS
HSUPA Band5 Subtest4	4132	826.4	21.53	-0.81	20.72	38.45	PASS
HSUPA Band5 Subtest4	4182	836.4	21.58	-0.81	20.77	38.45	PASS
HSUPA Band5 Subtest4	4233	846.6	21.69	-0.81	20.88	38.45	PASS
HSUPA Band5 Subtest5	4132	826.4	23.05	-0.81	22.24	38.45	PASS
HSUPA Band5 Subtest5	4182	836.4	23.05	-0.81	22.24	38.45	PASS
HSUPA Band5 Subtest5	4233	846.6	23.09	-0.81	22.28	38.45	PASS
HSDPA Band5 Subtest1	4132	826.4	24.96	-0.81	24.15	38.45	PASS
HSDPA Band5 Subtest2	4132	826.4	24.97	-0.81	24.16	38.45	PASS
HSDPA Band5 Subtest3	4132	826.4	24.99	-0.81	24.18	38.45	PASS
HSDPA Band5 Subtest4	4132	826.4	24.94	-0.81	24.13	38.45	PASS
HSDPA Band5 Subtest1	4182	836.4	25.05	-0.81	24.24	38.45	PASS
HSDPA Band5 Subtest2	4182	836.4	25.03	-0.81	24.22	38.45	PASS
HSDPA Band5 Subtest3	4182	836.4	25.06	-0.81	24.25	38.45	PASS
HSDPA Band5 Subtest4	4182	836.4	25.05	-0.81	24.24	38.45	PASS
HSDPA Band5 Subtest1	4233	846.6	25.12	-0.81	24.31	38.45	PASS
HSDPA Band5 Subtest2	4233	846.6	25.10	-0.81	24.29	38.45	PASS
HSDPA Band5 Subtest3	4233	846.6	25.04	-0.81	24.33	38.45	PASS
HSDPA Band5 Subtest4	4233	846.6	25.06	-0.81	24.35	38.45	PASS

Note 1: For the HSDPA and HSUPA mode, all subtests were tested and just the worst data wererecorded in this table.

Note 2:  $ERP/EIRP = P_{Meas} + GT - LC$

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as  $P_{Meas}$ , typically dBW or dBm);

$P_{Meas}$  = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

$ERP = EIRP - 2.15$ ; where ERP and EIRP are expressed in consistent units.

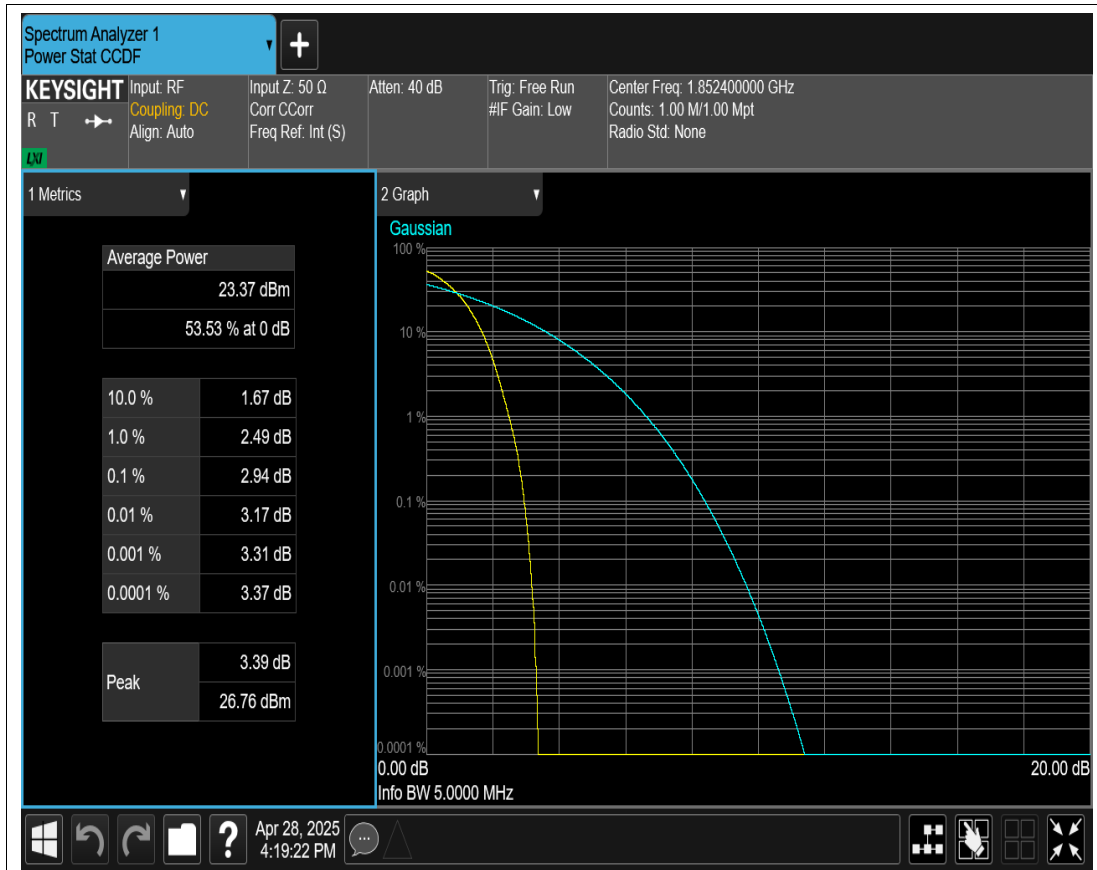
## 02 Frequency stability

<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>Result(Hz)</i>	<i>Result (ppm)</i>	<i>Low Limit (ppm)</i>	<i>high Limit (ppm)</i>	<i>Verdict</i>
WCDMA Band2	9262	1852.4	-23.62	-0.013	-2.5	2.5	PASS
WCDMA Band2	9400	1880	-21.33	-0.011	-2.5	2.5	PASS
WCDMA Band2	9538	1907.6	-18.90	-0.010	-2.5	2.5	PASS
WCDMA Band4	1312	1712.4	-1.73	-0.001	-2.5	2.5	PASS
WCDMA Band4	1413	1732.6	-5.09	-0.003	-2.5	2.5	PASS
WCDMA Band4	1513	1752.6	-9.64	-0.006	-2.5	2.5	PASS
WCDMA Band5	4132	826.4	-15.33	-0.019	-2.5	2.5	PASS
WCDMA Band5	4182	836.4	-16.47	-0.020	-2.5	2.5	PASS
WCDMA Band5	4233	846.6	-15.91	-0.019	-2.5	2.5	PASS

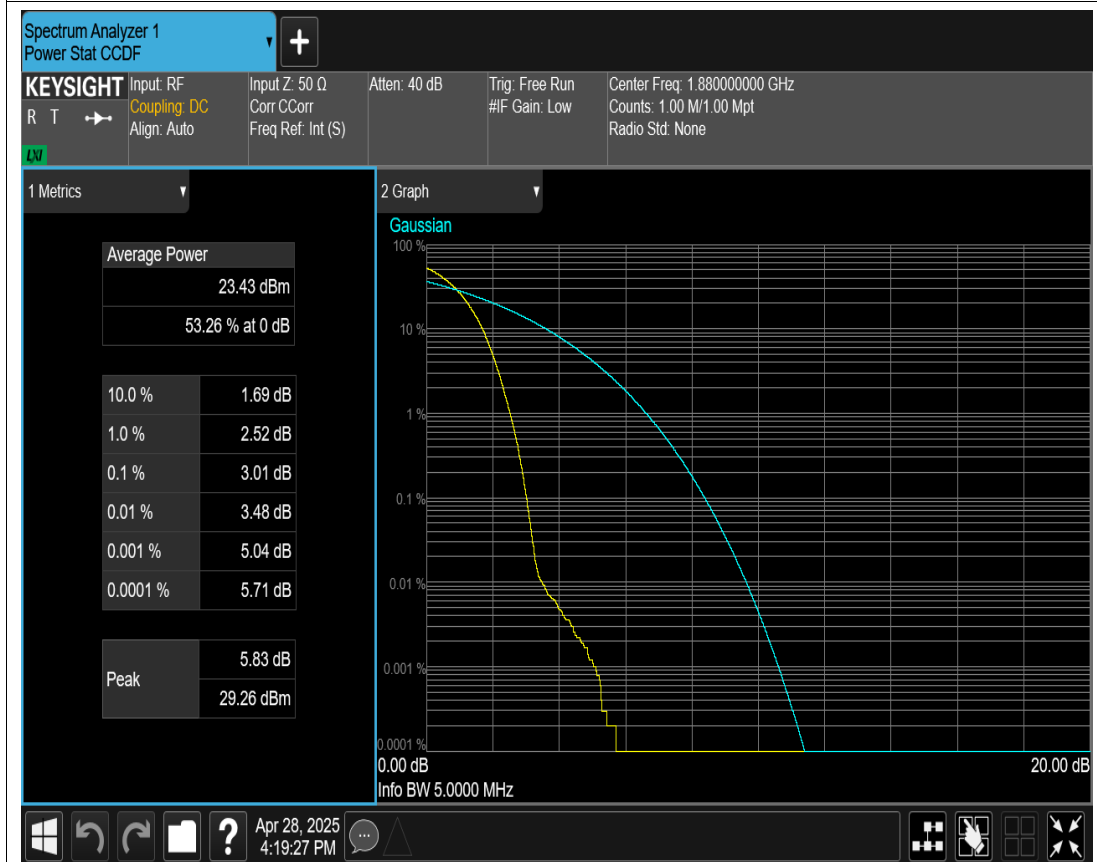
Note: (Voltage: 3.92V, Temperature: 25°C) only reflect the worst mode.

### 03 Peak-to-Average Ratio

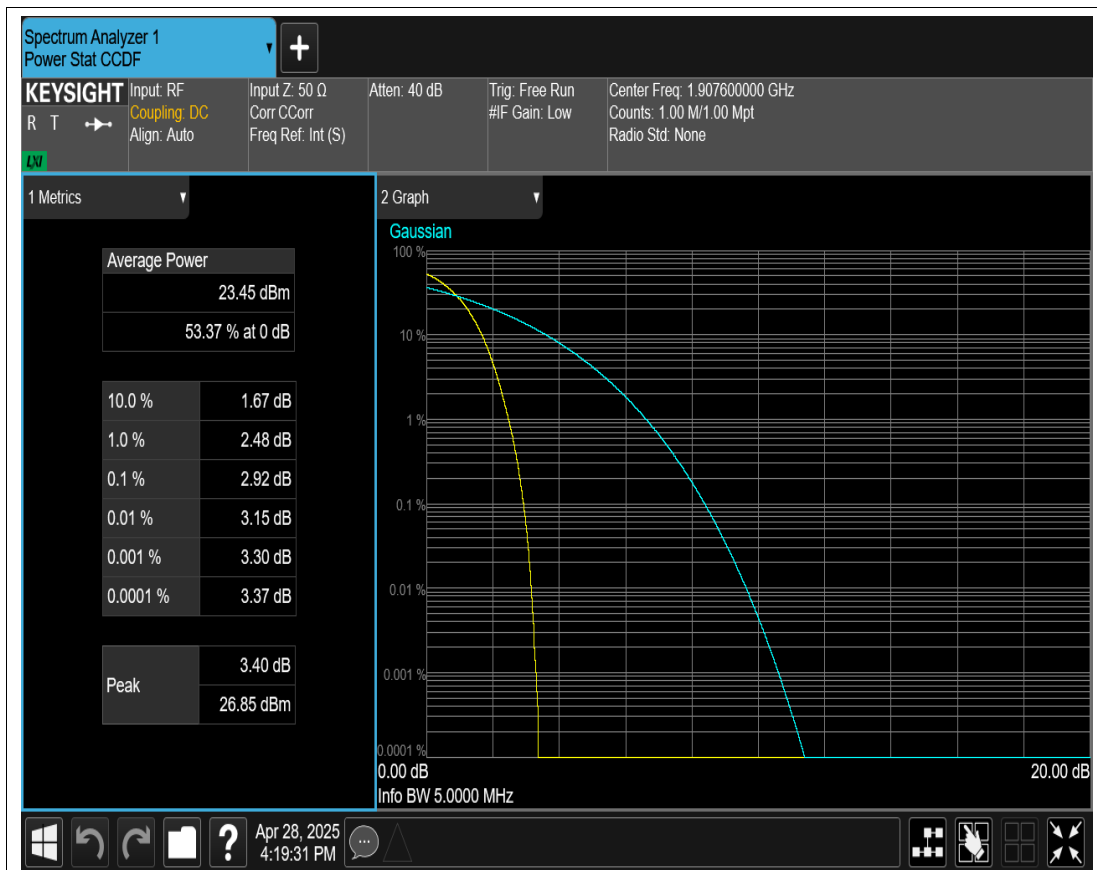
<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>Result (dB)</i>	<i>high Limit (dB)</i>	<i>Verdict</i>
WCDMA Band2	9262	1852.4	2.94	13	PASS
WCDMA Band2	9400	1880	3.01	13	PASS
WCDMA Band2	9538	1907.6	2.92	13	PASS
WCDMA Band4	1312	1712.4	3.07	13	PASS
WCDMA Band4	1413	1732.6	3.13	13	PASS
WCDMA Band4	1513	1752.6	3.09	13	PASS
WCDMA Band5	4132	826.4	3.05	13	PASS
WCDMA Band5	4182	836.4	3.10	13	PASS
WCDMA Band5	4233	846.6	3.01	13	PASS



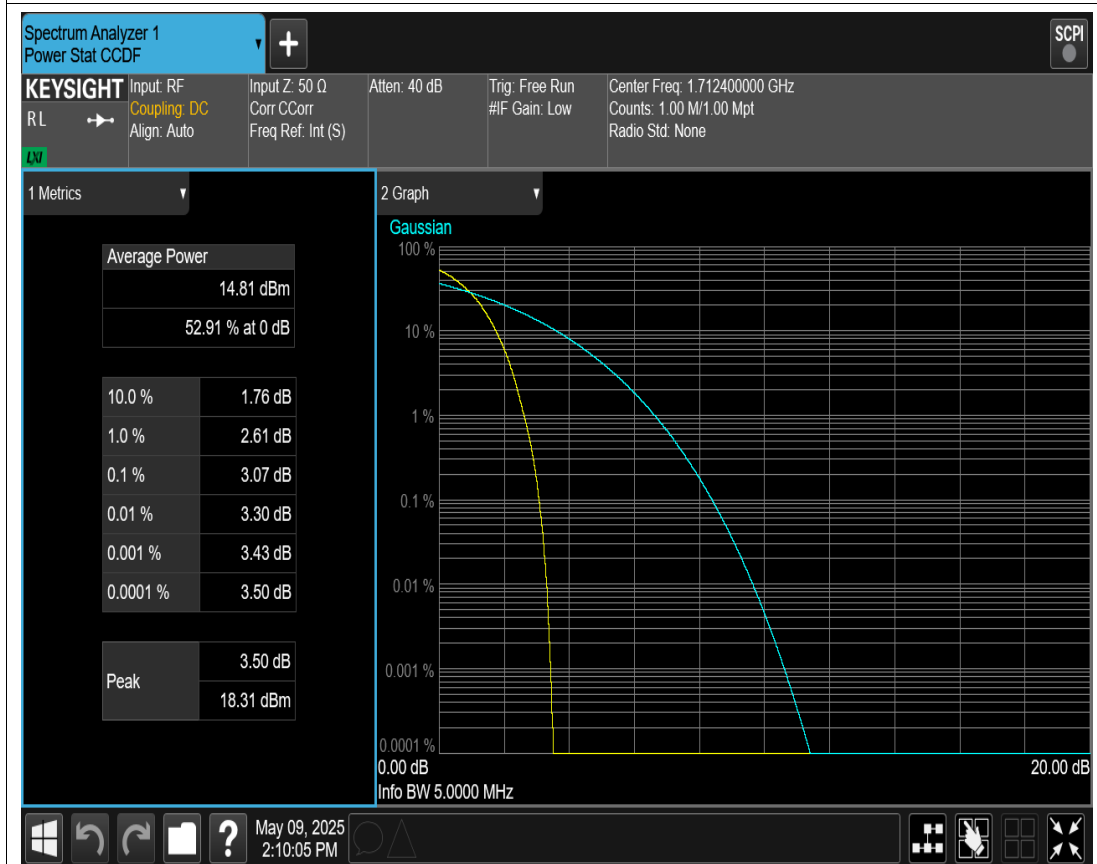
WCDMA Band2 Channel=9262



WCDMA Band2 Channel=9400



WCDMA Band2 Channel=9538



WCDMA Band4 Channel=1312

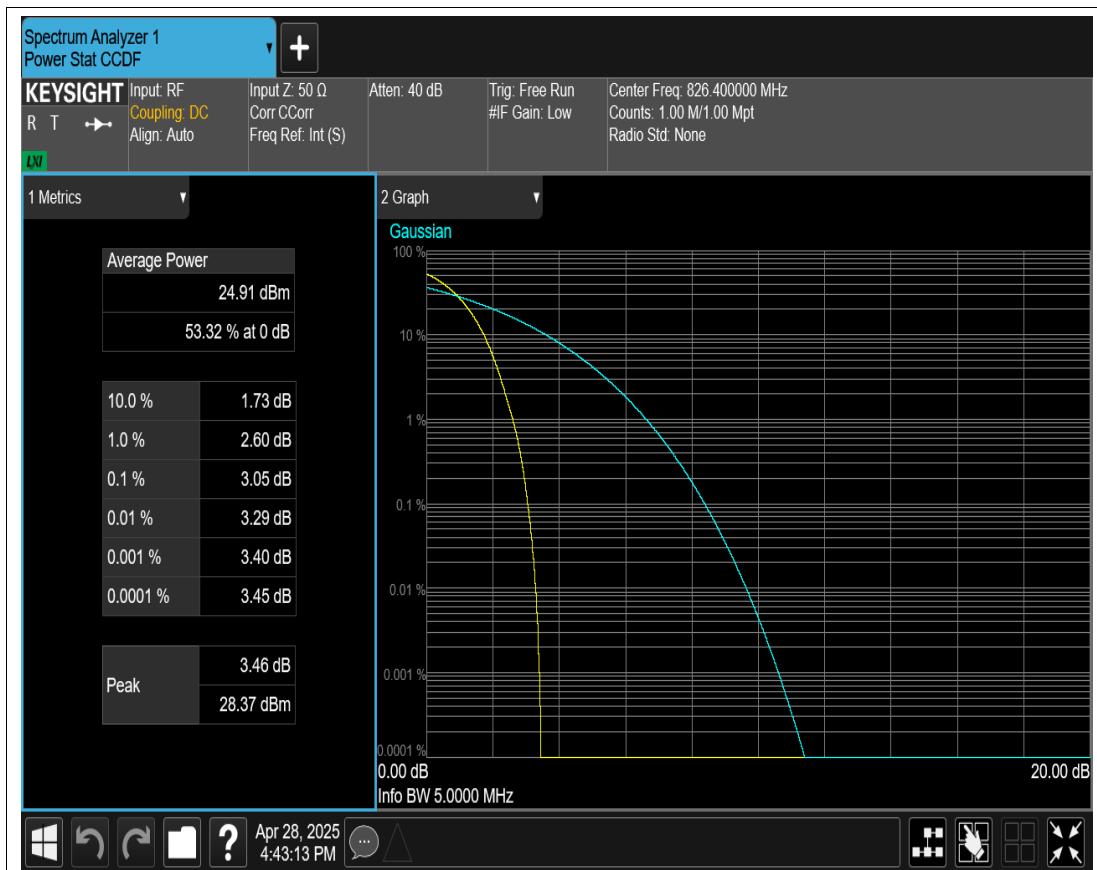




WCDMA Band4 Channel=1413



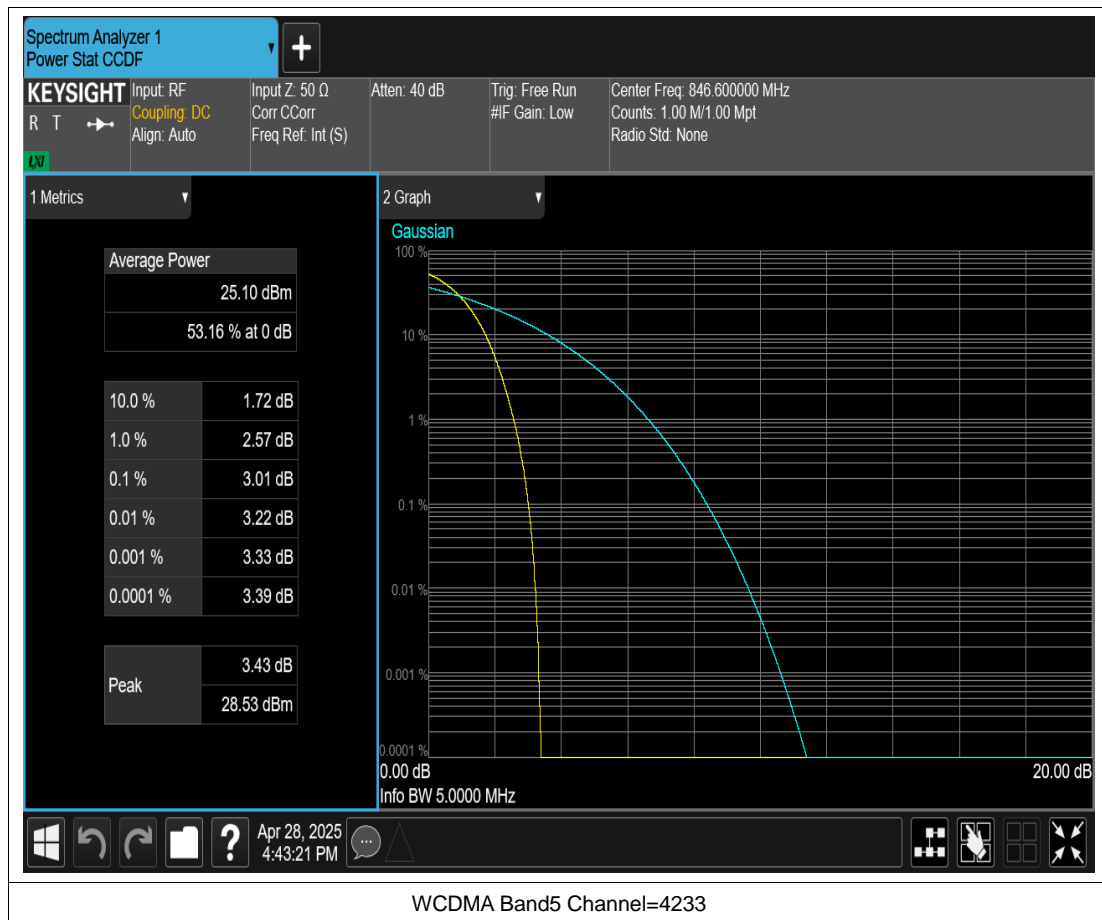
WCDMA Band4 Channel=1513



WCDMA Band5 Channel=4132



WCDMA Band5 Channel=4182



## 04 Occupied bandwidth

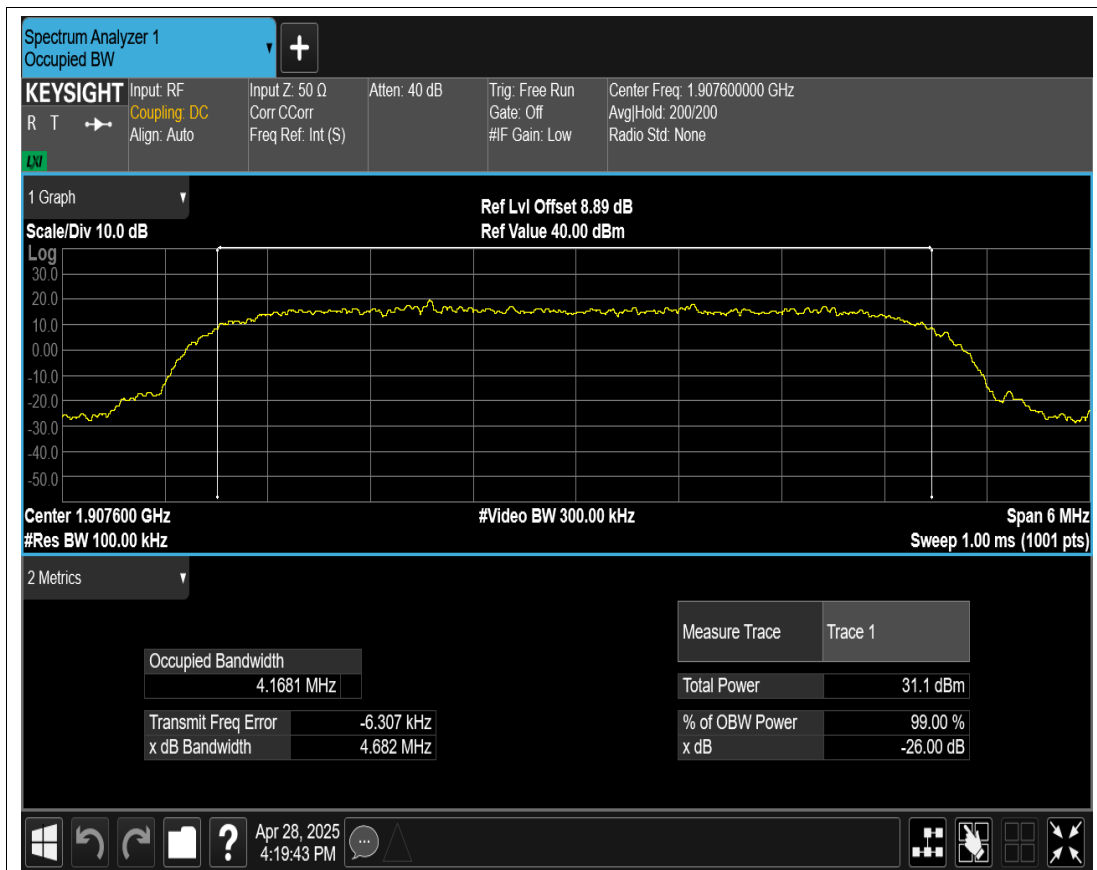
<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>99% OBW (kHz)</i>	<i>-26dB EBW (kHz)</i>	<i>Verdict</i>
WCDMA Band2	9262	1852.4	4179.559	4736.441	PASS
WCDMA Band2	9400	1880	4183.652	4723.938	PASS
WCDMA Band2	9538	1907.6	4168.061	4681.827	PASS
WCDMA Band4	1312	1712.4	4165.890	4697.162	PASS
WCDMA Band4	1413	1732.6	4165.698	4684.366	PASS
WCDMA Band4	1513	1752.6	4175.147	4660.965	PASS
WCDMA Band5	4132	826.4	4156.660	4673.582	PASS
WCDMA Band5	4182	836.4	4154.406	4692.561	PASS
WCDMA Band5	4233	846.6	4183.279	4686.405	PASS



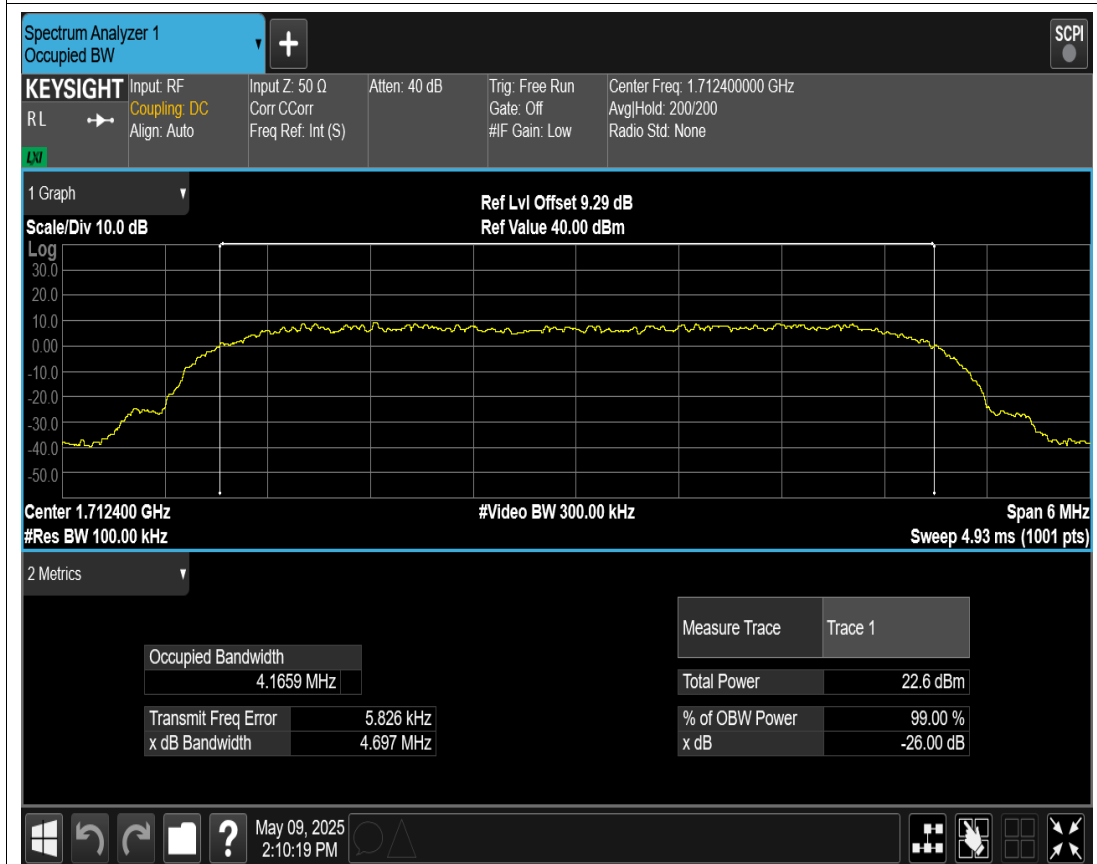
WCDMA Band2 Channel=9262



WCDMA Band2 Channel=9400



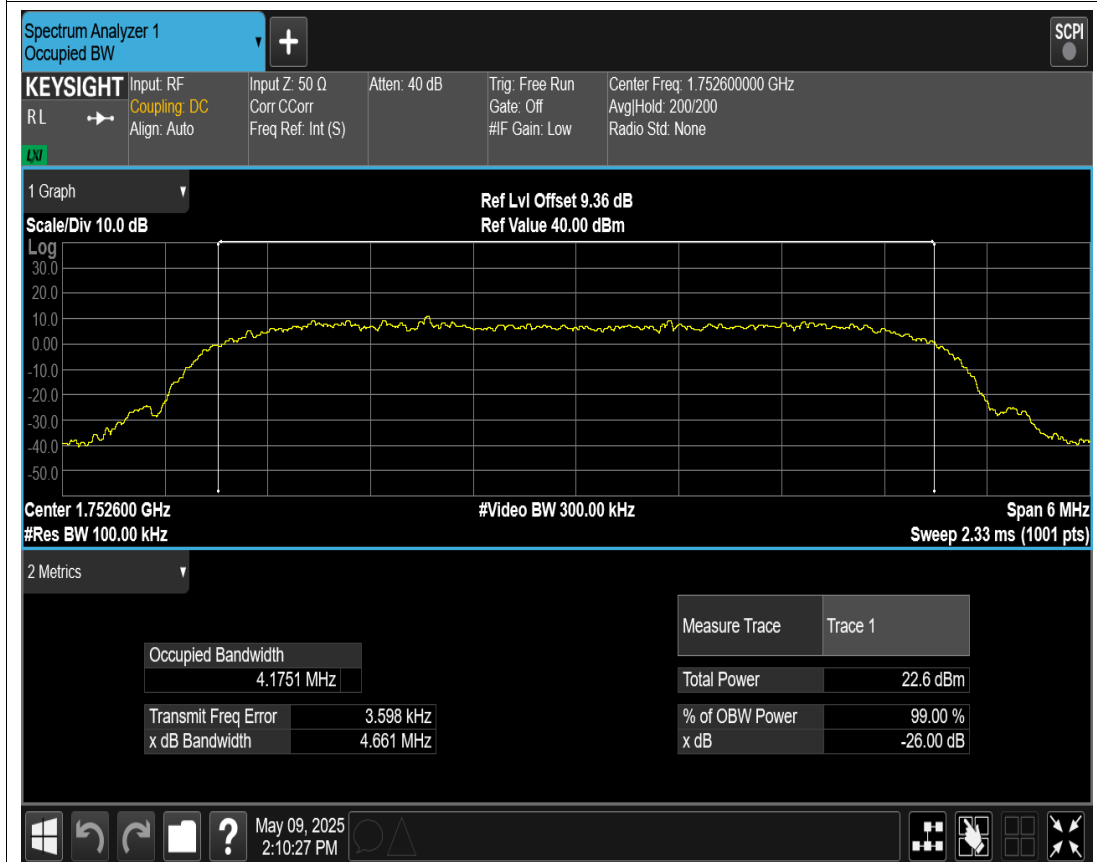
WCDMA Band2 Channel=9538



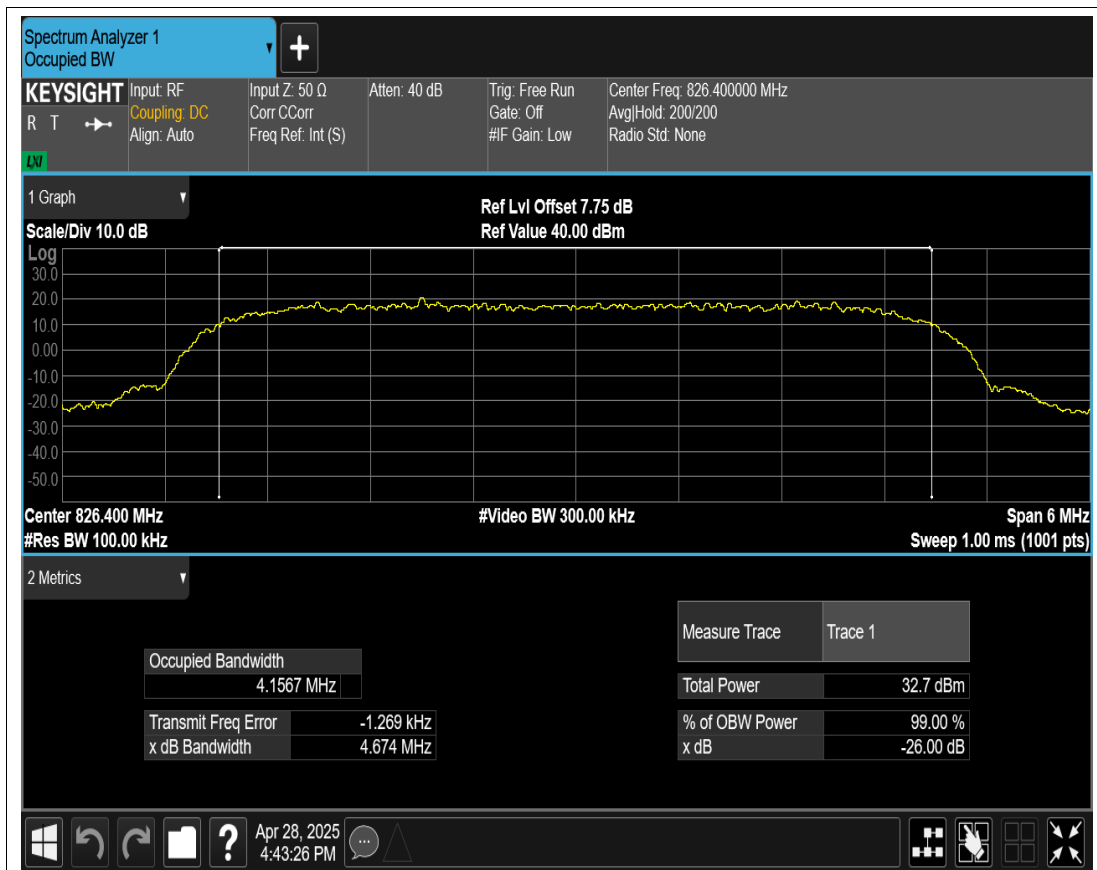
WCDMA Band4 Channel=1312



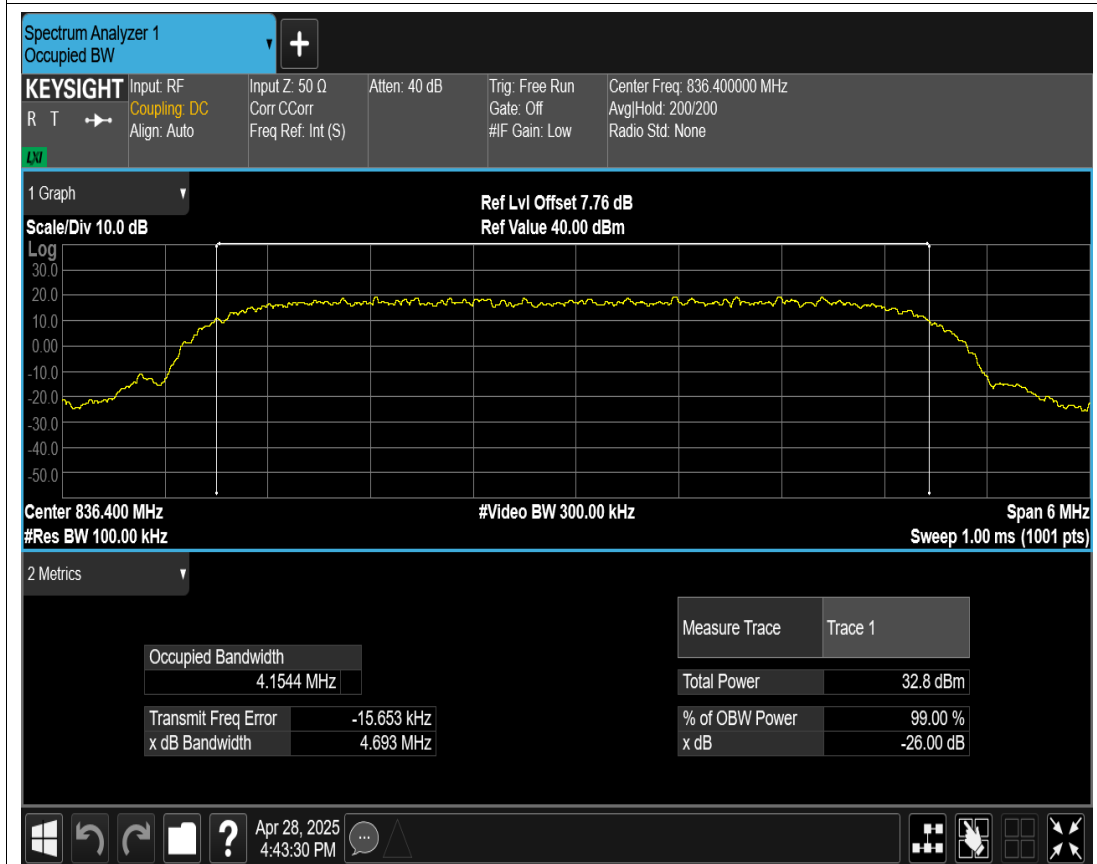
WCDMA Band4 Channel=1413



WCDMA Band4 Channel=1513



WCDMA Band5 Channel=4132



WCDMA Band5 Channel=4182





**05 Band edge**

<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>Spur Freq (MHz)</i>	<i>Spur Level (dBm)</i>	<i>Limit (dBm)</i>	<i>Verdict</i>
WCDMA Band2	9262	1852.4	1850.00	-23.05	-13	PASS
WCDMA Band2	9538	1907.6	1910.01	-23.15	-13	PASS
WCDMA Band4	1312	1712.4	1710.00	-31.66	-13	PASS
WCDMA Band4	1513	1752.6	1755.00	-32.21	-13	PASS
WCDMA Band5	4132	826.4	823.91	-20.60	-13	PASS
WCDMA Band5	4233	846.6	849.00	-20.73	-13	PASS



WCDMA Band2 Channel=9262



WCDMA Band2 Channel=9538



WCDMA Band4 Channel=1312



WCDMA Band4 Channel=1513



WCDMA Band5 Channel=4132

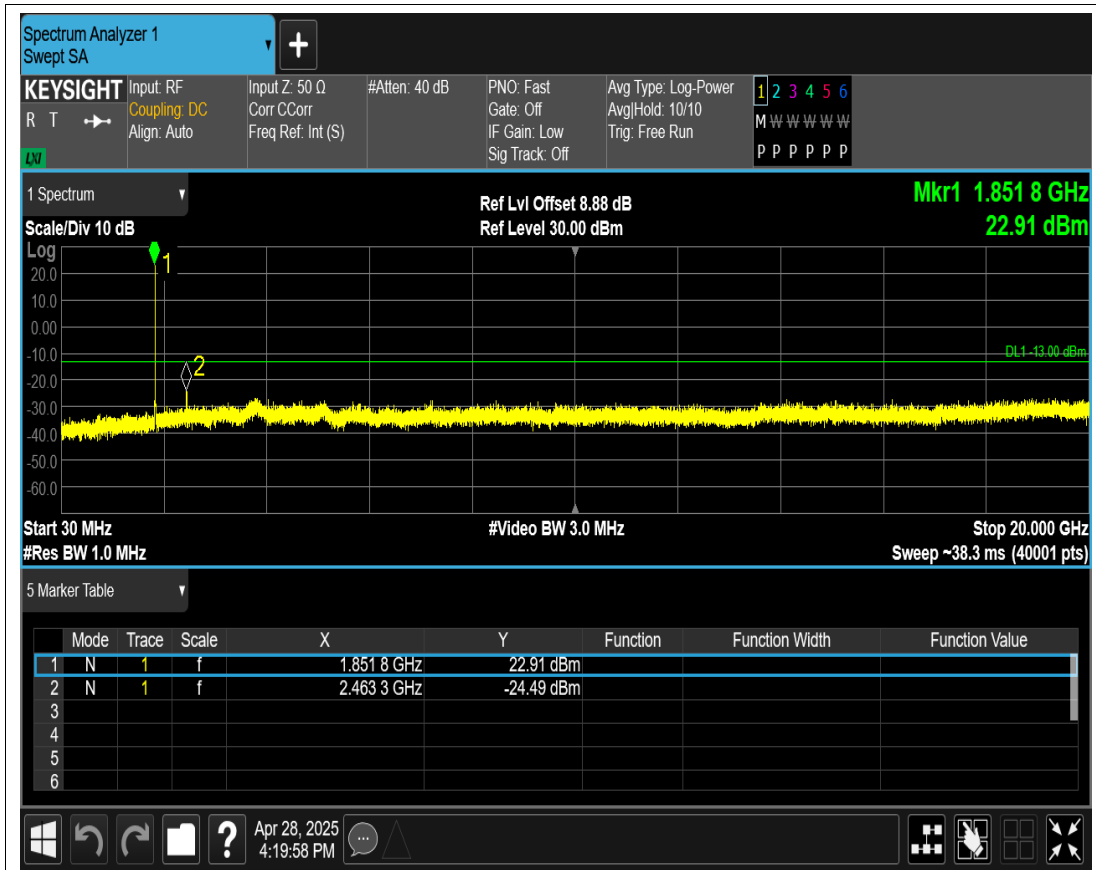


WCDMA Band5 Channel=4233

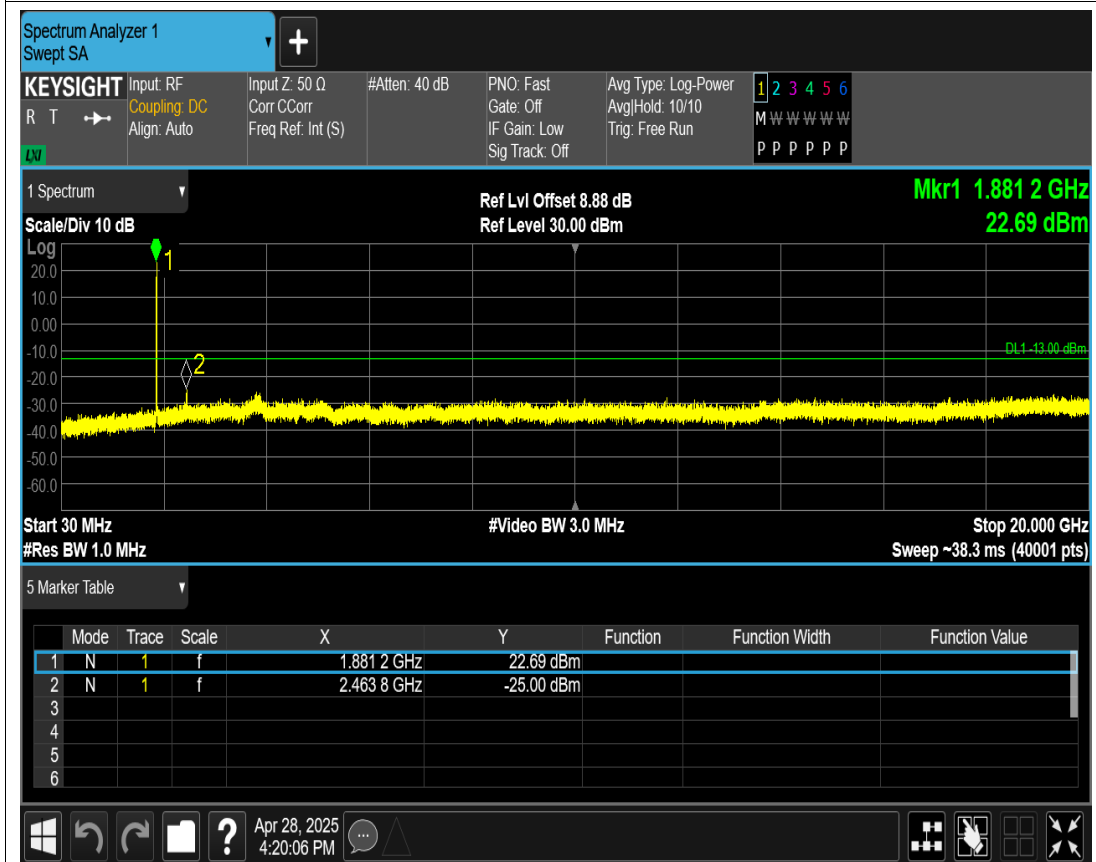


## 06 Out-of-band emissions

<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>Spur Freq (MHz)</i>	<i>Spur Level (dBm)</i>	<i>Limit (dBm)</i>	<i>Verdict</i>
WCDMA Band2	9262	1852.4	2463.34	-24.48	-13	PASS
WCDMA Band2	9400	1880	2463.84	-25.00	-13	PASS
WCDMA Band2	9538	1907.6	2460.35	-23.05	-13	PASS
WCDMA Band4	1312	1712.4	3731.94	-25.74	-13	PASS
WCDMA Band4	1413	1732.6	3752.91	-25.86	-13	PASS
WCDMA Band4	1513	1752.6	3807.33	-25.80	-13	PASS
WCDMA Band5	4132	826.4	2459.94	-25.53	-13	PASS
WCDMA Band5	4182	836.4	3420.55	-27.06	-13	PASS
WCDMA Band5	4233	846.6	3867.95	-27.59	-13	PASS

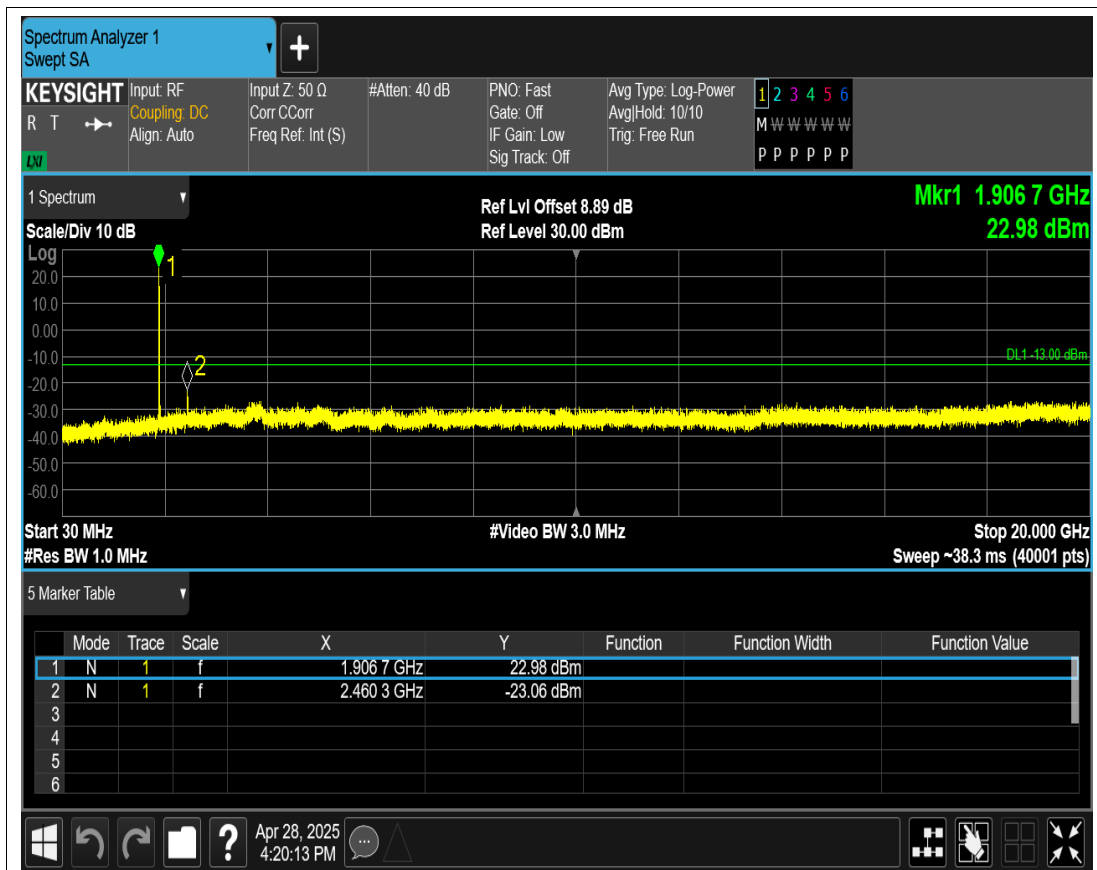


WCDMA Band2 Channel=9262

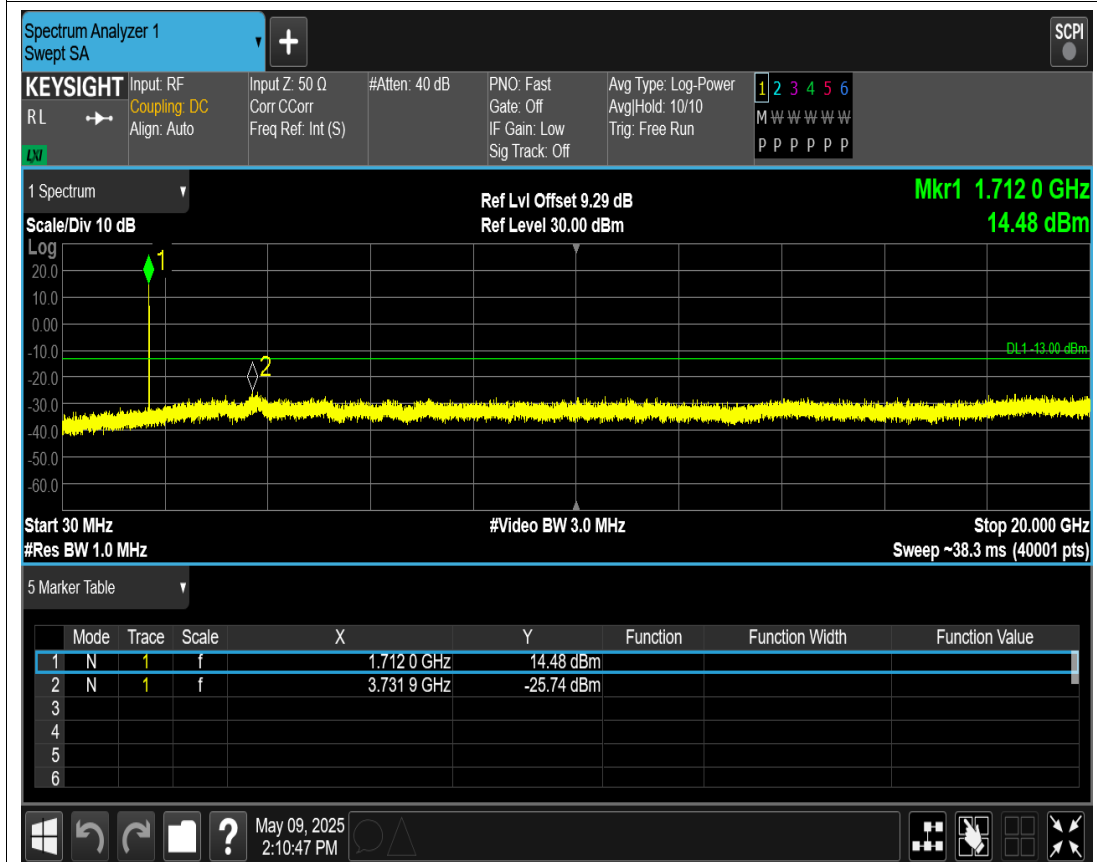


WCDMA Band2 Channel=9400

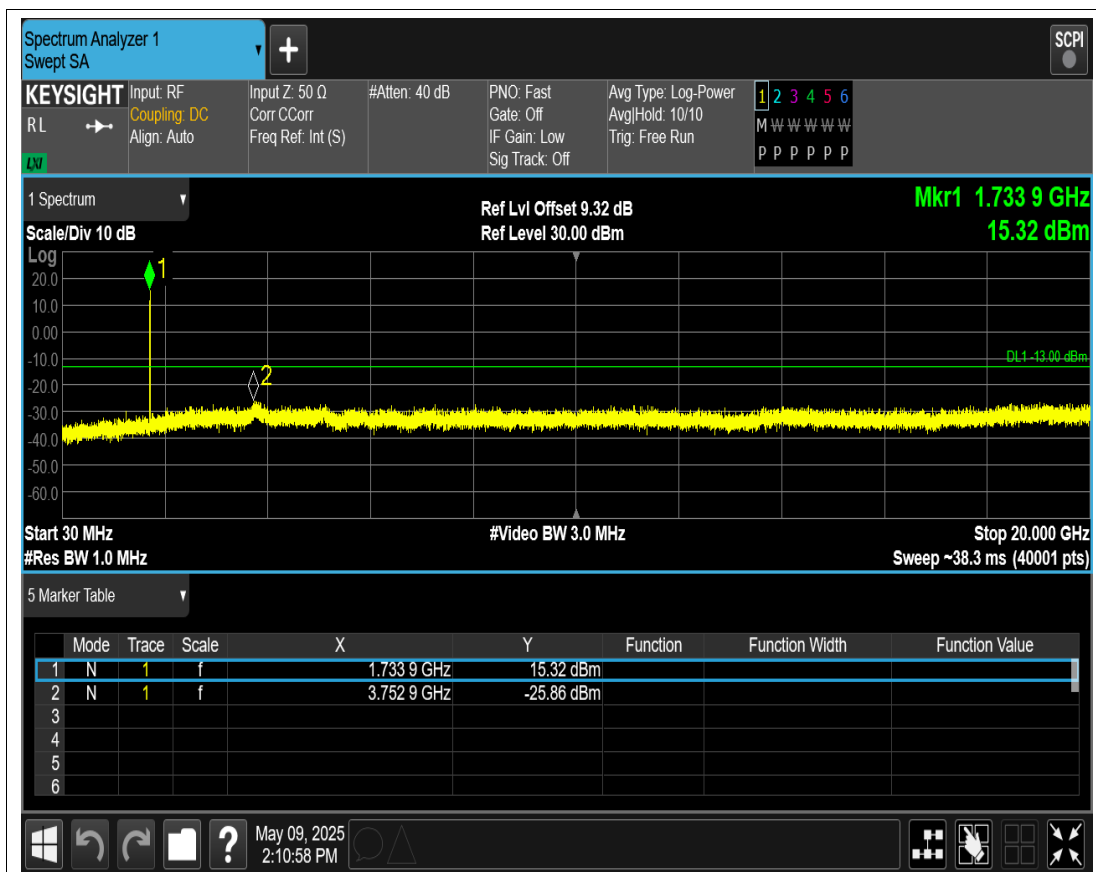




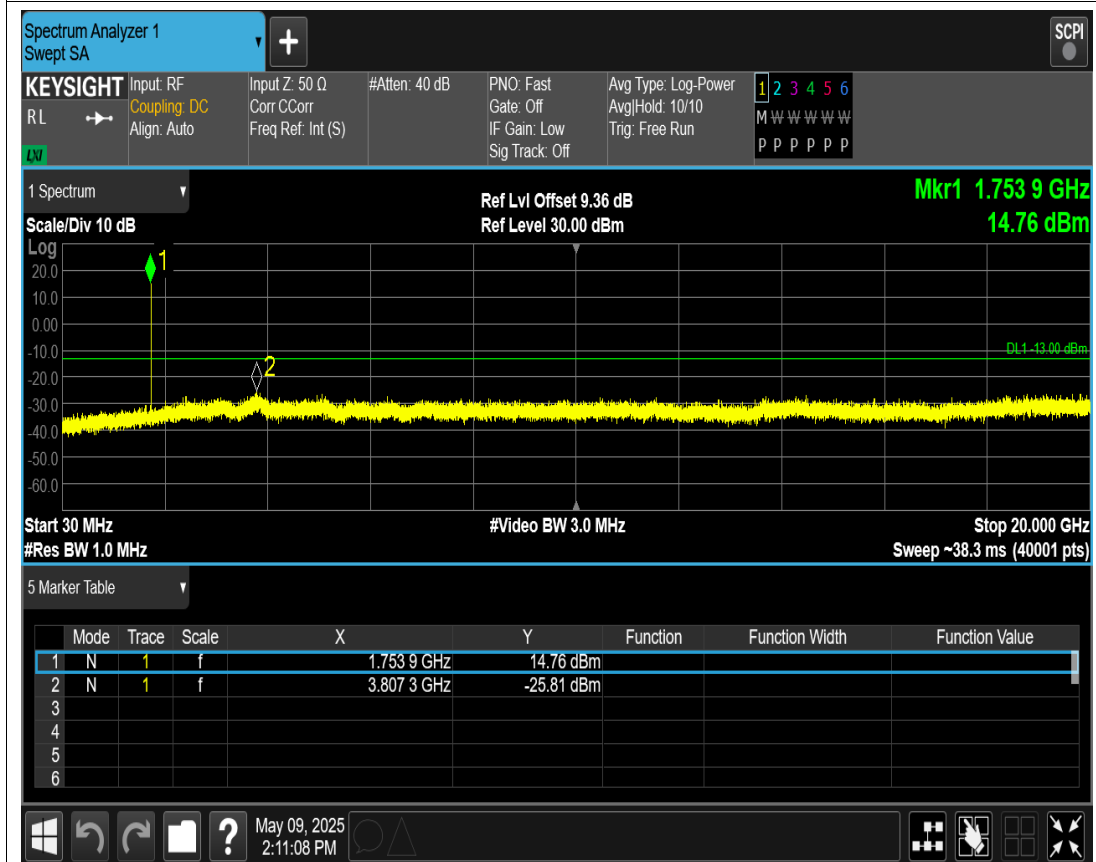
WCDMA Band2 Channel=9538



WCDMA Band4 Channel=1312



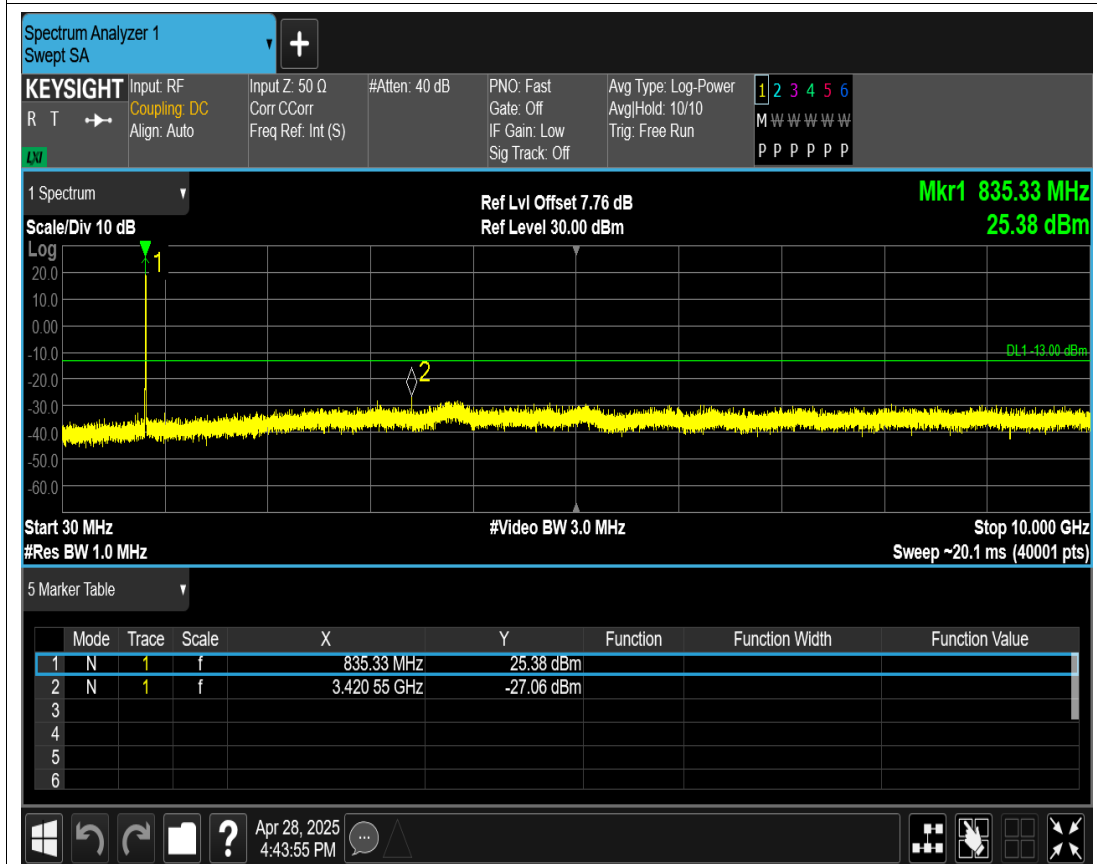
WCDMA Band4 Channel=1413



WCDMA Band4 Channel=1513



WCDMA Band5 Channel=4132



WCDMA Band5 Channel=4182

