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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 (dBm)</i>	<i>Limt (dBm)</i>	<i>Verdict</i>
GSM850	128	824.2	33.80	-6.17	25.48	38.45	PASS
GSM850	190	836.6	34.06	-6.17	25.74	38.45	PASS
GSM850	251	848.8	34.21	-6.17	25.89	38.45	PASS
EGPRS850 1 Slot	128	824.2	31.50	-6.17	23.18	38.45	PASS
EGPRS850 1 Slot	190	836.6	31.95	-6.17	23.63	38.45	PASS
EGPRS850 1 Slot	251	848.8	31.95	-6.17	23.63	38.45	PASS
EGPRS850 2 Slot	128	824.2	30.70	-6.17	22.38	38.45	PASS
EGPRS850 2 Slot	190	836.6	31.30	-6.17	22.98	38.45	PASS
EGPRS850 2 Slot	251	848.8	29.56	-6.17	21.24	38.45	PASS
EGPRS850 3 Slot	128	824.2	29.14	-6.17	20.82	38.45	PASS
EGPRS850 3 Slot	190	836.6	27.14	-6.17	18.82	38.45	PASS
EGPRS850 3 Slot	251	848.8	25.82	-6.17	17.50	38.45	PASS
EGPRS850 4 Slot	128	824.2	26.56	-6.17	18.24	38.45	PASS
EGPRS850 4 Slot	190	836.6	25.00	-6.17	16.68	38.45	PASS
EGPRS850 4 Slot	251	848.8	24.25	-6.17	15.93	38.45	PASS
GPRS850 1 Slot	128	824.2	33.79	-6.17	25.47	38.45	PASS
GPRS850 1 Slot	190	836.6	34.03	-6.17	25.71	38.45	PASS
GPRS850 1 Slot	251	848.8	34.18	-6.17	25.86	38.45	PASS
GPRS850 2 Slot	128	824.2	33.17	-6.17	24.85	38.45	PASS
GPRS850 2 Slot	190	836.6	33.45	-6.17	25.13	38.45	PASS
GPRS850 2 Slot	251	848.8	33.57	-6.17	25.25	38.45	PASS
GPRS850 3 Slot	128	824.2	31.10	-6.17	22.78	38.45	PASS
GPRS850 3 Slot	190	836.6	31.37	-6.17	23.05	38.45	PASS
GPRS850 3 Slot	251	848.8	31.49	-6.17	23.17	38.45	PASS
GPRS850 4 Slot	128	824.2	29.86	-6.17	21.54	38.45	PASS
GPRS850 4 Slot	190	836.6	30.13	-6.17	21.81	38.45	PASS
GPRS850 4 Slot	251	848.8	30.21	-6.17	21.89	38.45	PASS

<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>Conducted Output AV Power (dBm)</i>	<i>Antenna Gain (dBi)</i>	<i>EIRP (dBm)</i>	<i>Limt (dBm)</i>	<i>Verdict</i>
GSM1900	512	1850.2	30.93	-0.81	30.12	33.01	PASS
GSM1900	661	1880	31.01	-0.81	30.20	33.01	PASS
GSM1900	810	1909.8	31.00	-0.81	30.19	33.01	PASS
EGPRS1900 1 Slot	512	1850.2	30.39	-0.81	29.58	33.01	PASS
EGPRS1900 1 Slot	661	1880	30.43	-0.81	29.62	33.01	PASS
EGPRS1900 1 Slot	810	1909.8	30.45	-0.81	29.64	33.01	PASS
EGPRS1900 2 Slot	512	1850.2	30.35	-0.81	29.54	33.01	PASS
EGPRS1900 2 Slot	661	1880	30.44	-0.81	29.63	33.01	PASS
EGPRS1900 2 Slot	810	1909.8	30.41	-0.81	29.60	33.01	PASS
EGPRS1900 3 Slot	512	1850.2	29.89	-0.81	29.08	33.01	PASS
EGPRS1900 3 Slot	661	1880	29.86	-0.81	29.05	33.01	PASS
EGPRS1900 3 Slot	810	1909.8	30.02	-0.81	29.21	33.01	PASS
EGPRS1900 4 Slot	512	1850.2	29.29	-0.81	28.48	33.01	PASS
EGPRS1900 4 Slot	661	1880	29.47	-0.81	28.66	33.01	PASS
EGPRS1900 4 Slot	810	1909.8	29.64	-0.81	28.83	33.01	PASS
GPRS1900 1 Slot	512	1850.2	30.88	-0.81	30.07	33.01	PASS
GPRS1900 1 Slot	661	1880	30.95	-0.81	30.14	33.01	PASS
GPRS1900 1 Slot	810	1909.8	30.95	-0.81	30.14	33.01	PASS
GPRS1900 2 Slot	512	1850.2	30.22	-0.81	29.41	33.01	PASS
GPRS1900 2 Slot	661	1880	30.27	-0.81	29.46	33.01	PASS
GPRS1900 2 Slot	810	1909.8	30.24	-0.81	29.43	33.01	PASS
GPRS1900 3 Slot	512	1850.2	28.15	-0.81	27.34	33.01	PASS
GPRS1900 3 Slot	661	1880	28.26	-0.81	27.45	33.01	PASS
GPRS1900 3 Slot	810	1909.8	28.19	-0.81	27.38	33.01	PASS
GPRS1900 4 Slot	512	1850.2	26.90	-0.81	26.09	33.01	PASS
GPRS1900 4 Slot	661	1880	27.01	-0.81	26.20	33.01	PASS
GPRS1900 4 Slot	810	1909.8	26.94	-0.81	26.13	33.01	PASS

Note 1: For the GPRS and EGPRS mode, all slots were tested and just the worst data were recorded 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.

Note 3: Set PCL to 5 for GSM/GPRS 850 (power class 4) and 0 for GSM/GPRS 1900 (power class 1). Set PCL to 8 for EGPRS850 (power class E2) and 2 for EGPRS1900 (power class E2)

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>
GSM850	128	824.2	7.52	0.009	-2.5	2.5	PASS
GSM850	190	836.6	10.62	0.013	-2.5	2.5	PASS
GSM850	251	848.8	12.33	0.015	-2.5	2.5	PASS
GSM1900	512	1850.2	24.44	0.013	-2.5	2.5	PASS
GSM1900	661	1880	23.34	0.012	-2.5	2.5	PASS
GSM1900	810	1909.8	23.73	0.012	-2.5	2.5	PASS

<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>
EGPRS850	128	824.2	999	1.21	-2.500	2.5	PASS
EGPRS850	190	836.6	-6.231169	-0.01	-2.500	2.5	PASS
EGPRS850	251	848.8	66.63799	0.08	-2.500	2.5	PASS
EGPRS1900	512	1850.2	6.909172	0.00	-2.500	2.5	PASS
EGPRS1900	661	1880	6.263455	0.00	-2.500	2.5	PASS
EGPRS1900	810	1909.8	5.617738	0.00	-2.500	2.5	PASS

<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>
GPRS850	128	824.2	-0.645717	0.00	-2.500	2.5	PASS
GPRS850	190	836.6	-0.1937151	0.00	-2.500	2.5	PASS
GPRS850	251	848.8	3.099442	0.00	-2.500	2.5	PASS
GPRS1900	512	1850.2	12.7852	0.01	-2.500	2.5	PASS
GPRS1900	661	1880	14.72235	0.01	-2.500	2.5	PASS
GPRS1900	810	1909.8	13.0112	0.01	-2.500	2.5	PASS

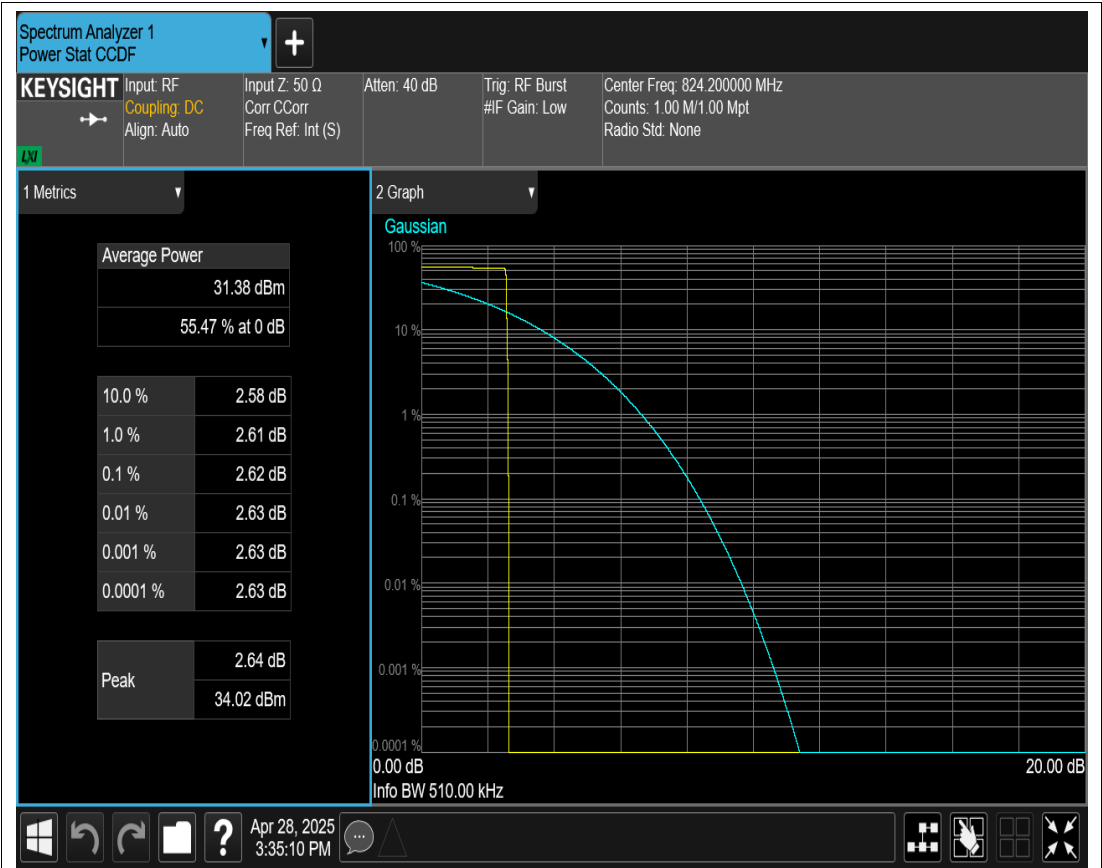
Note: (Voltage: 3.92V, Temperature: 25°C) only reflect the worst mode.

03 Peak-to-Average Ratio

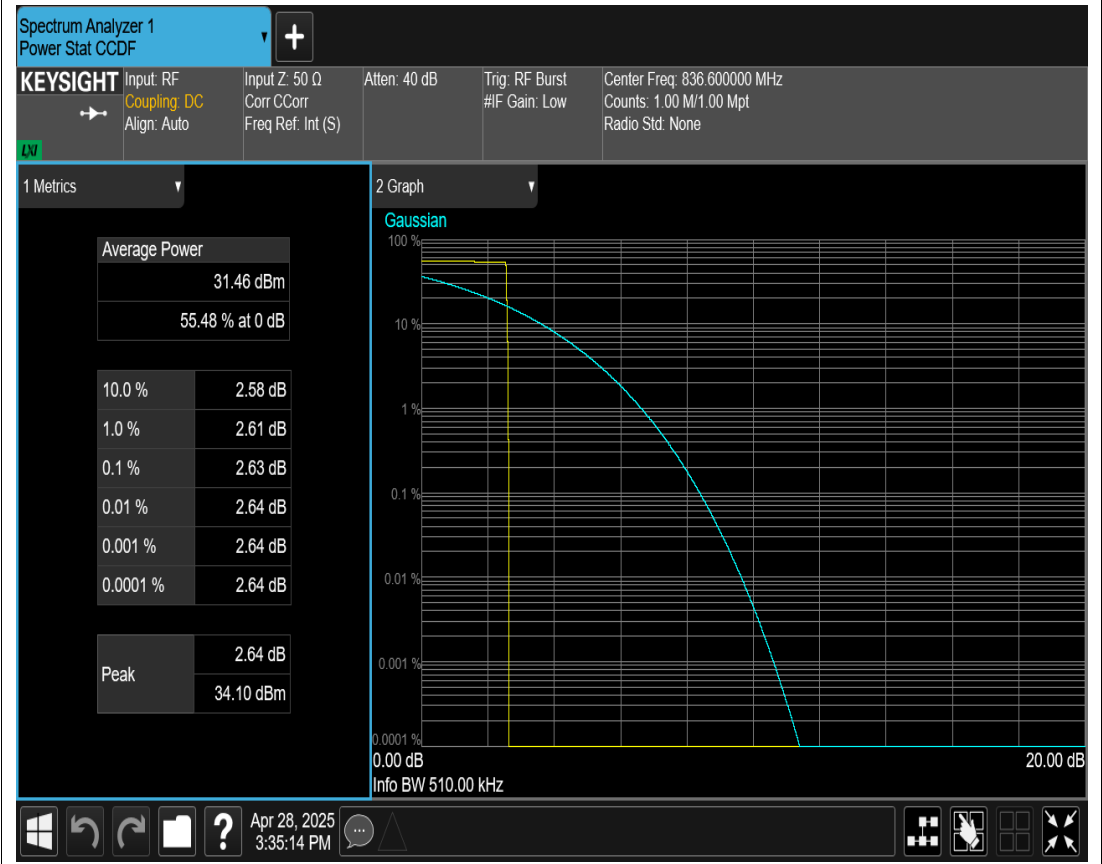
<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>Result (dB)</i>	<i>high Limit (dB)</i>	<i>Verdict</i>
GSM850	128	824.2	2.62	13	PASS
GSM850	190	836.6	2.63	13	PASS
GSM850	251	848.8	2.63	13	PASS
GSM1900	512	1850.2	2.65	13	PASS
GSM1900	661	1880	2.65	13	PASS
GSM1900	810	1909.8	2.65	13	PASS

<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>Result (dB)</i>	<i>high Limit (dB)</i>	<i>Verdict</i>
GPRS850	128	824.2	2.646696144	13.00	PASS
GPRS850	190	836.6	2.657426426	13.00	PASS
GPRS850	251	848.8	2.661146667	13.00	PASS
GPRS1900	512	1850.2	2.682575142	13.00	PASS
GPRS1900	661	1880	2.67845253	13.00	PASS
GPRS1900	810	1909.8	2.674919786	13.00	PASS

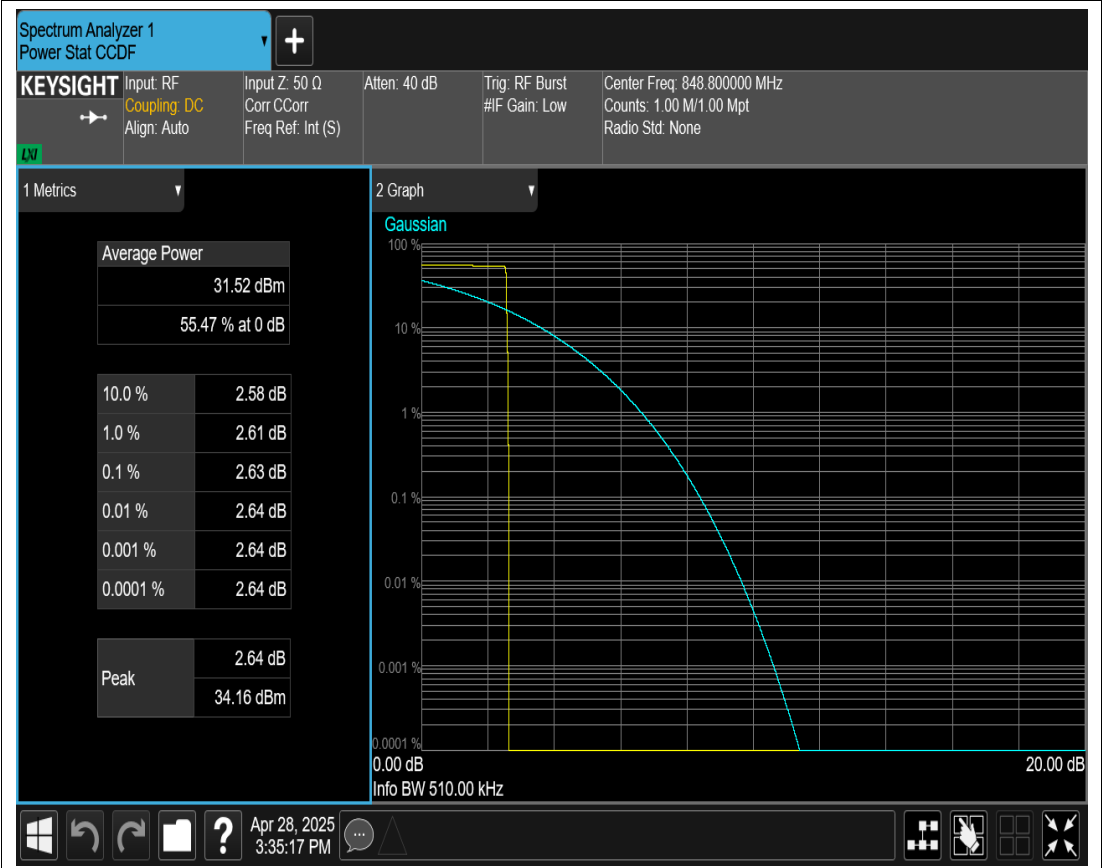
<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>Result (dB)</i>	<i>high Limit (dB)</i>	<i>Verdict</i>
EGPRS850	128	824.2	4.684893617	13.00	PASS
EGPRS850	190	836.6	5.004539474	13.00	PASS
EGPRS850	251	848.8	5.405958549	13.00	PASS
EGPRS1900	512	1850.2	3.44002849	13.00	PASS
EGPRS1900	661	1880	3.536446281	13.00	PASS
EGPRS1900	810	1909.8	3.438913043	13.00	PASS



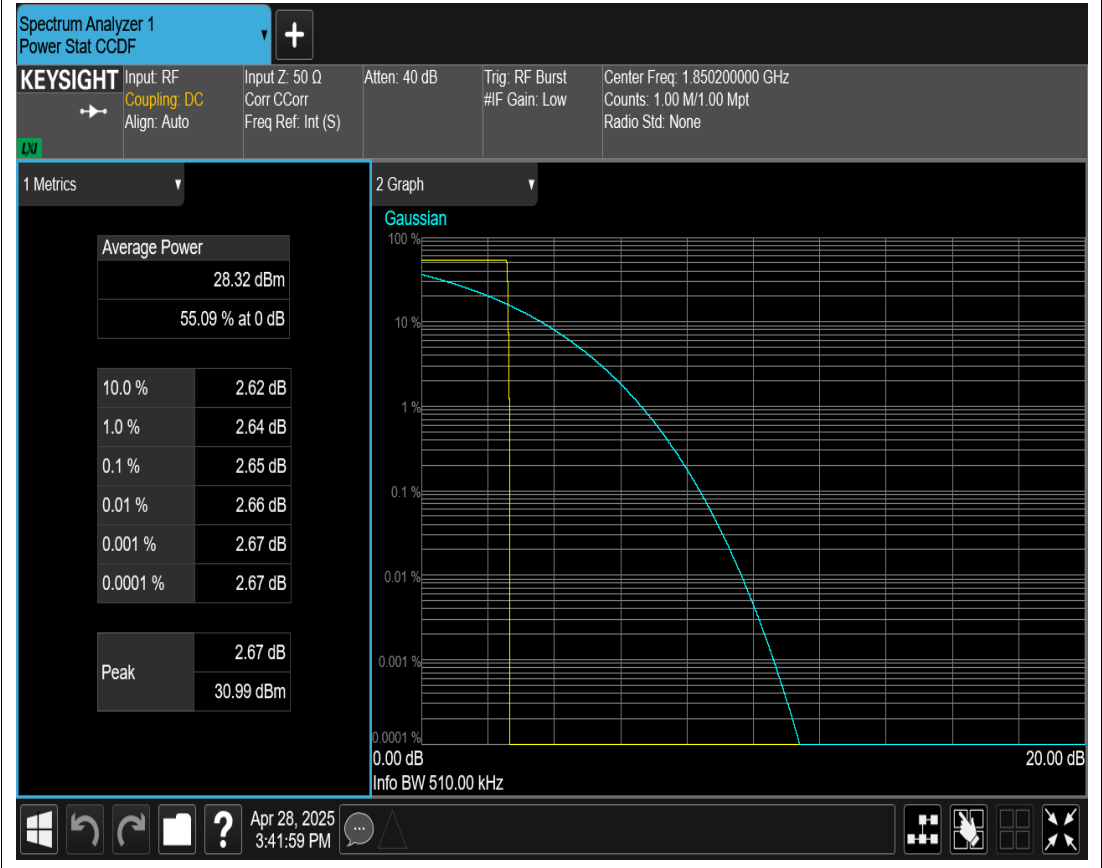
GSM850 Channel=128



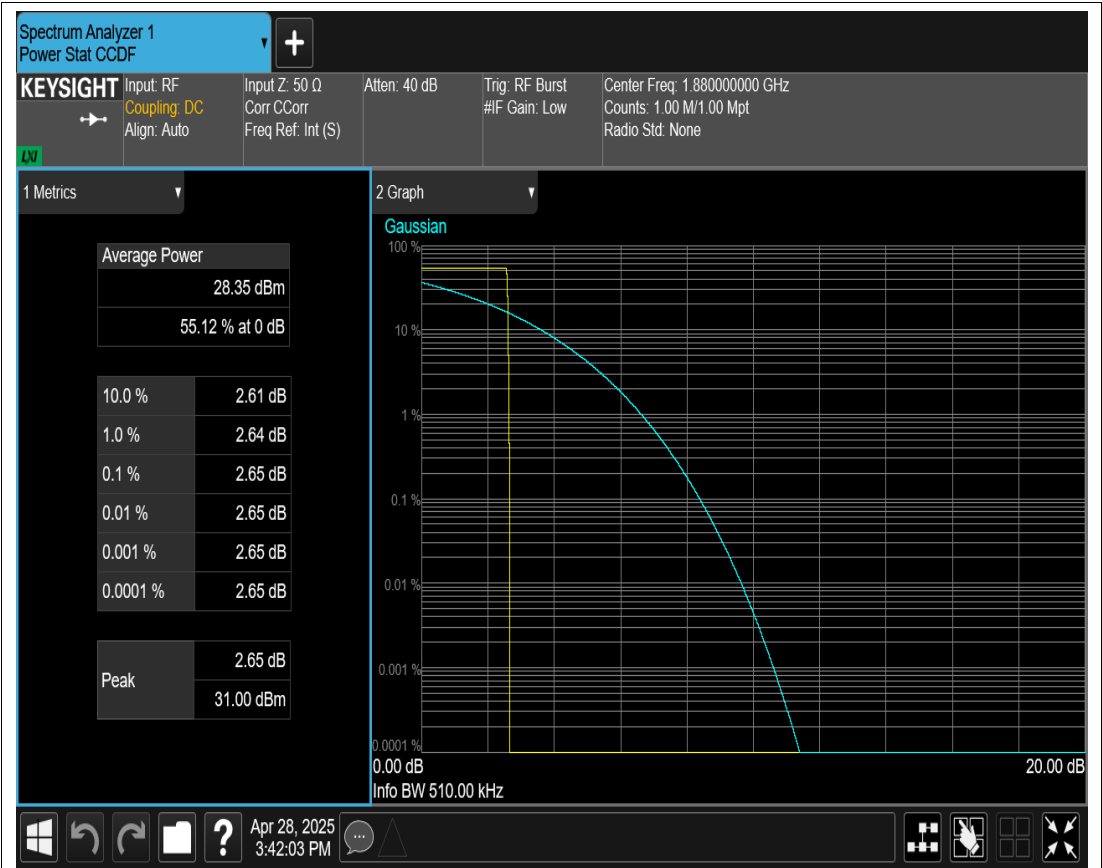
GSM850 Channel=190



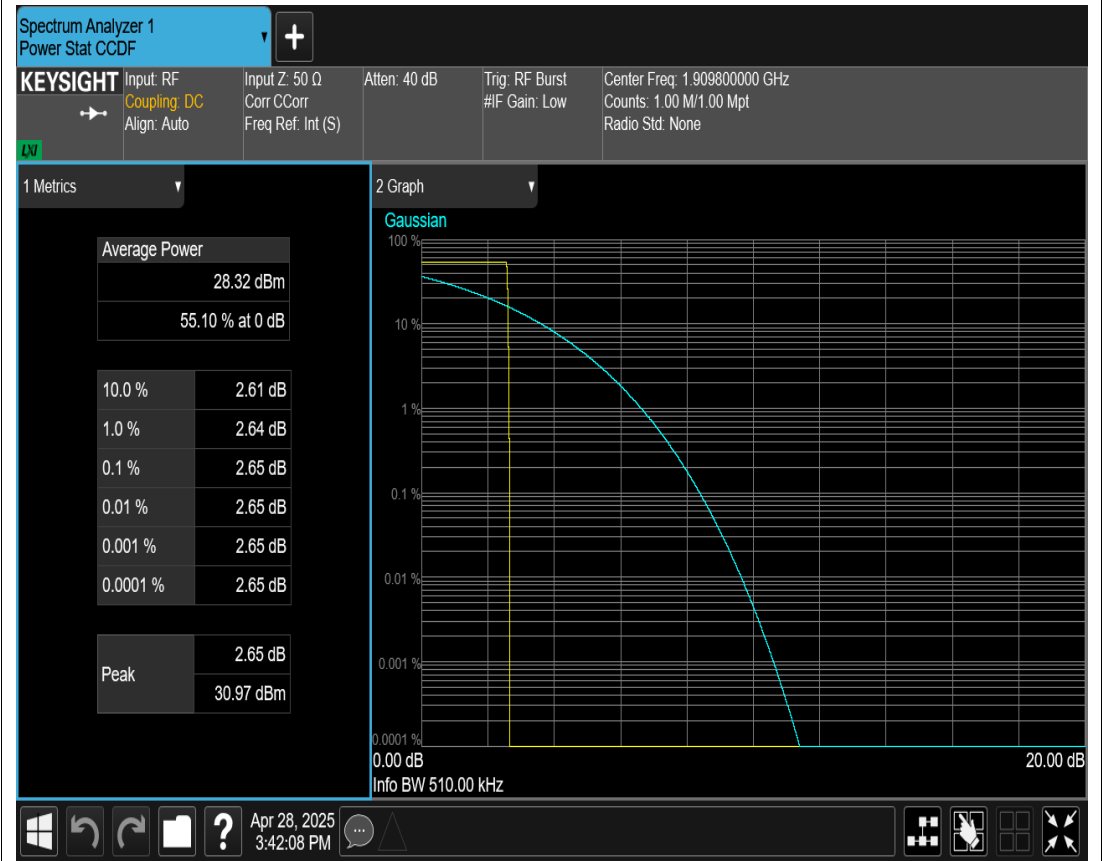
GSM850 Channel=251



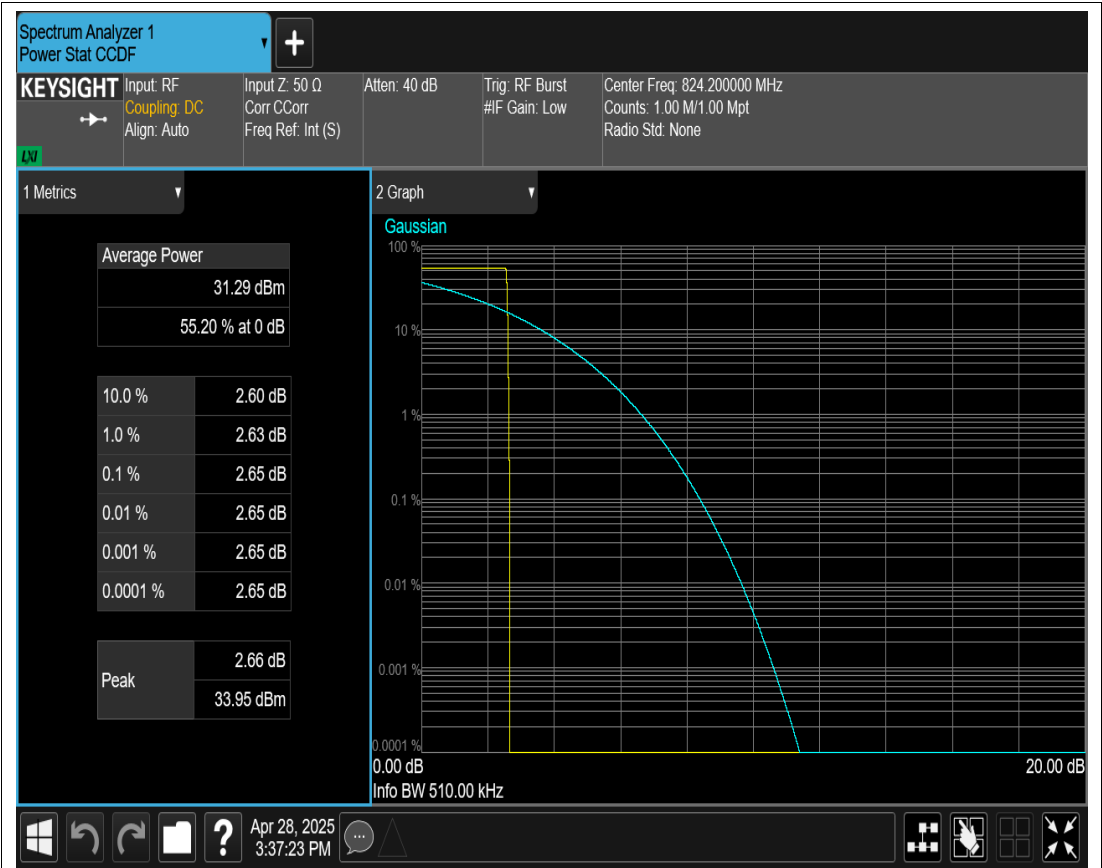
GSM1900 Channel=512



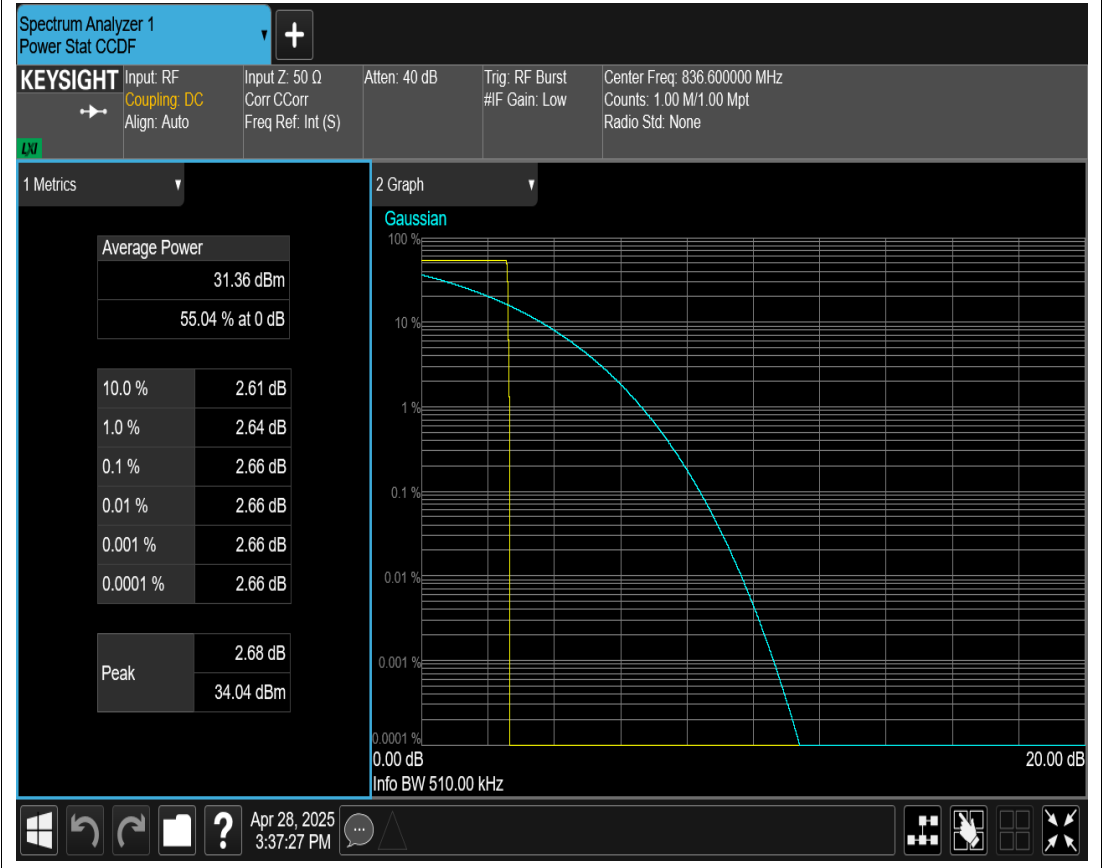
GSM1900 Channel=661

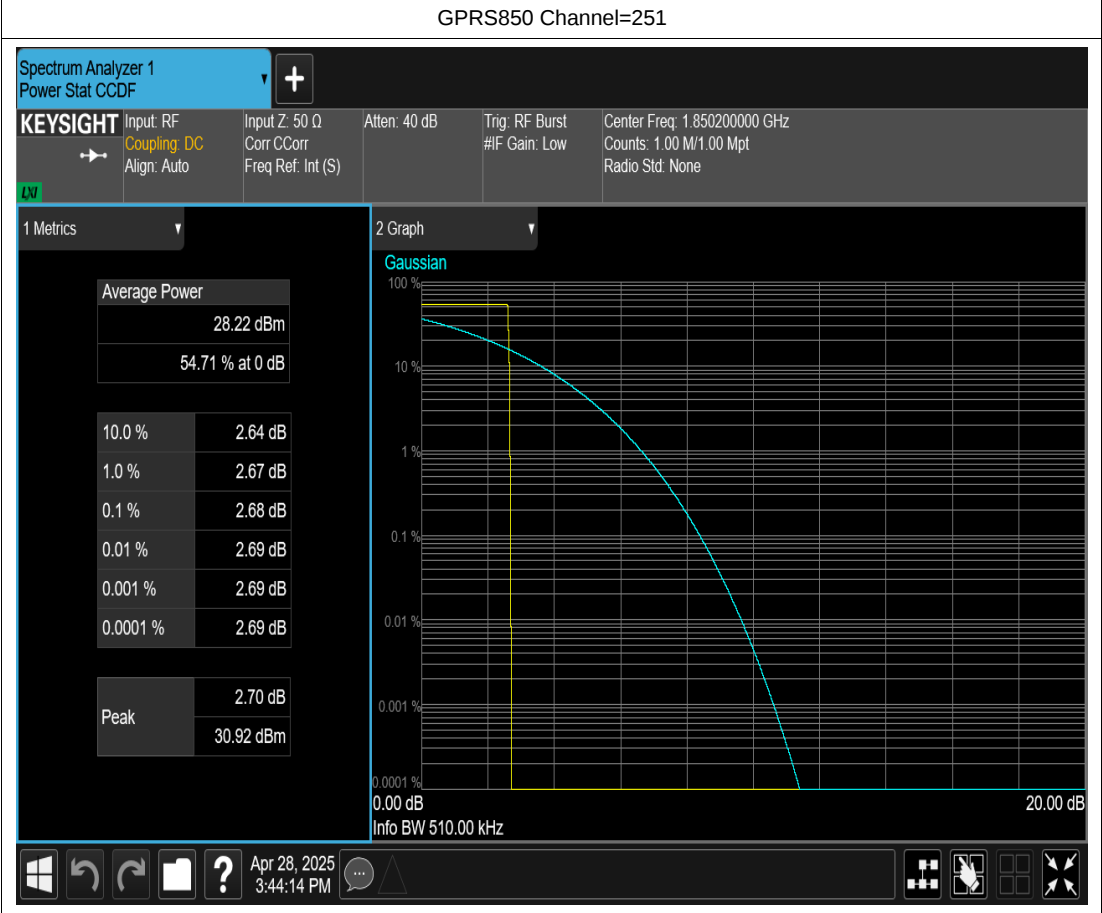
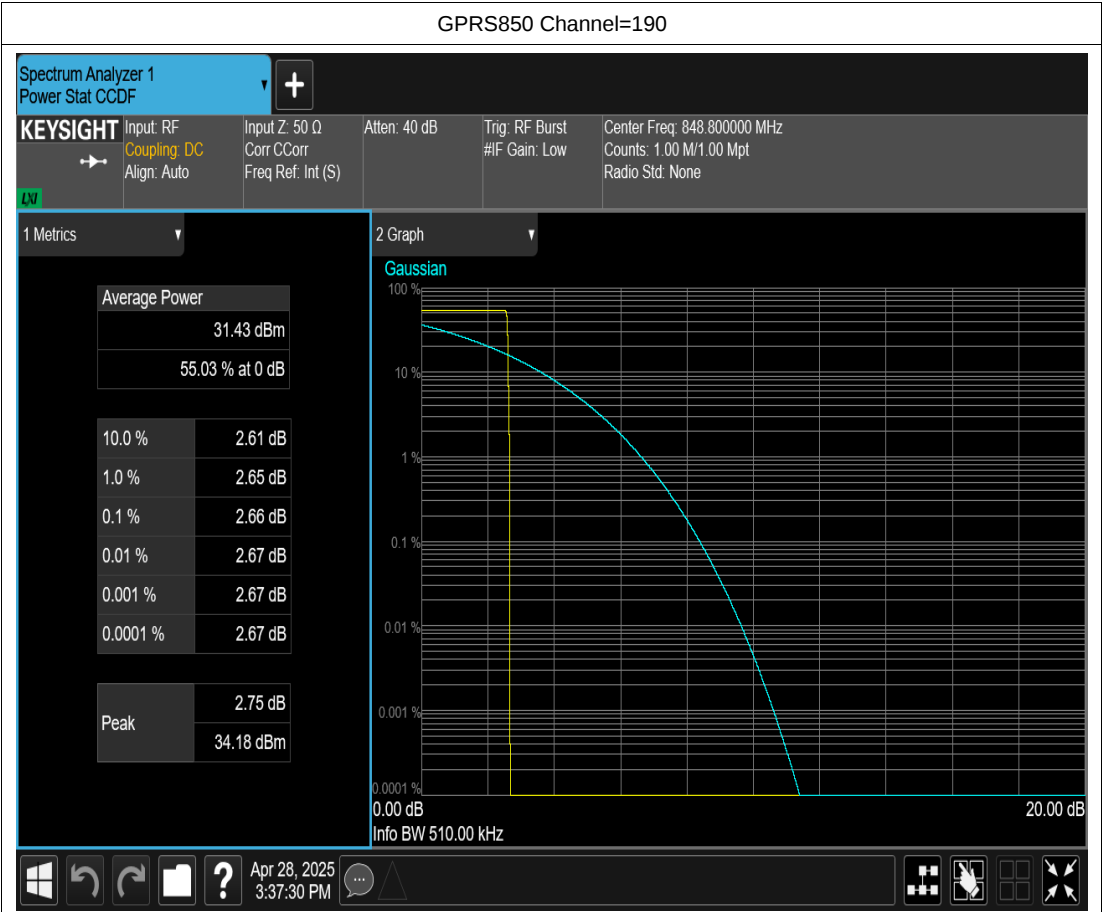


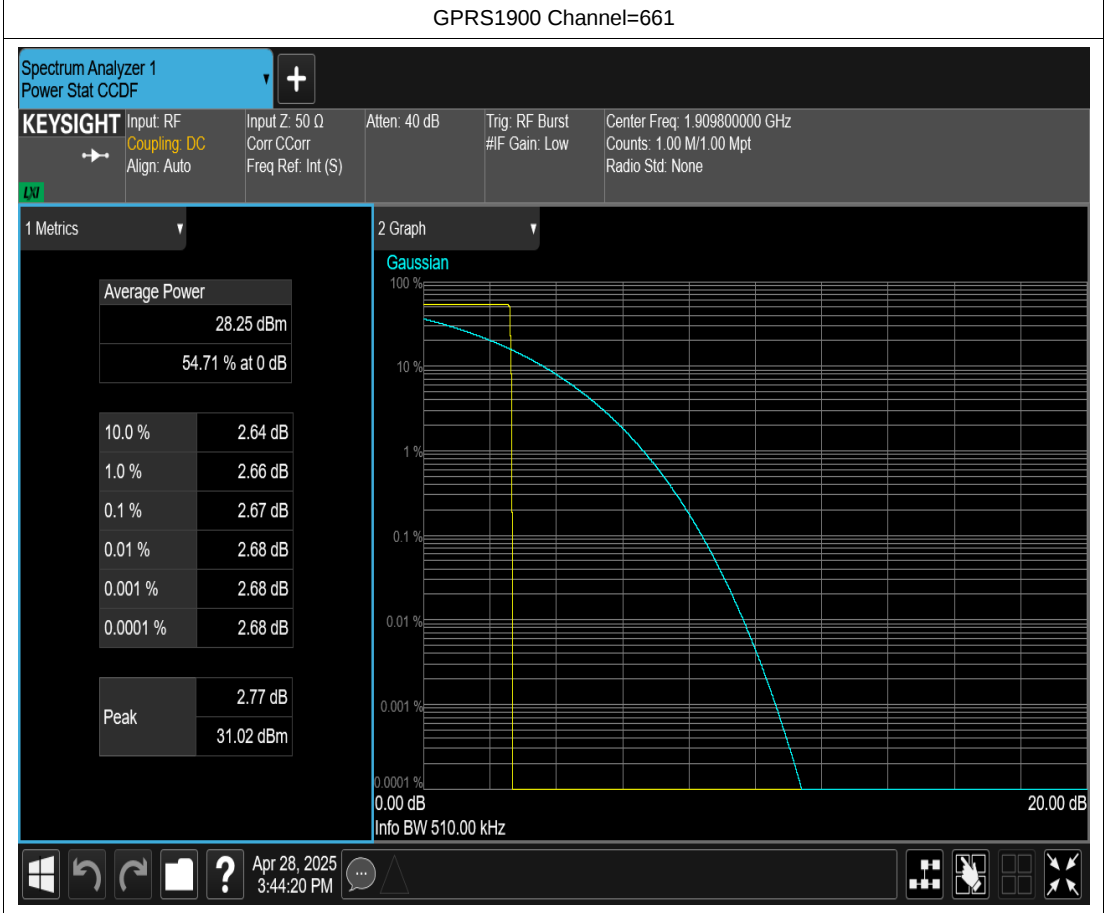
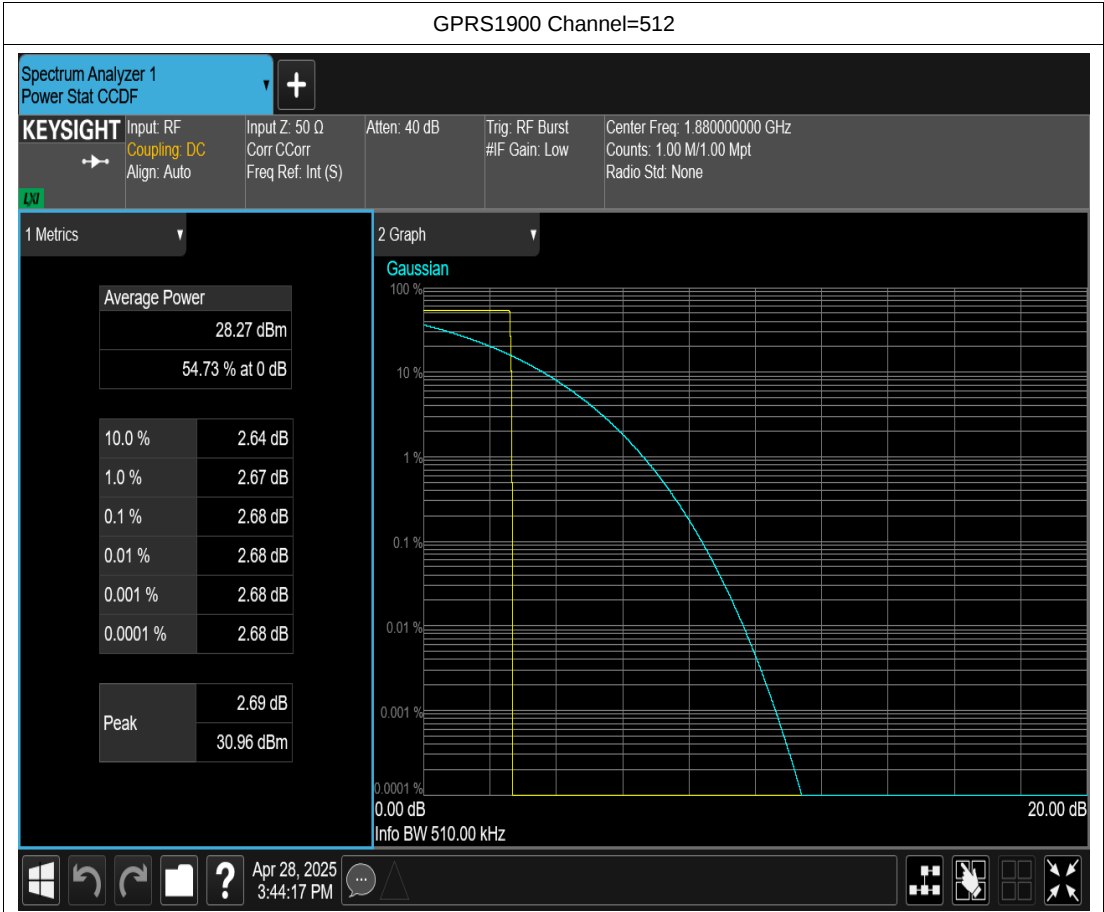
GSM1900 Channel=810



GPRS850 Channel=128





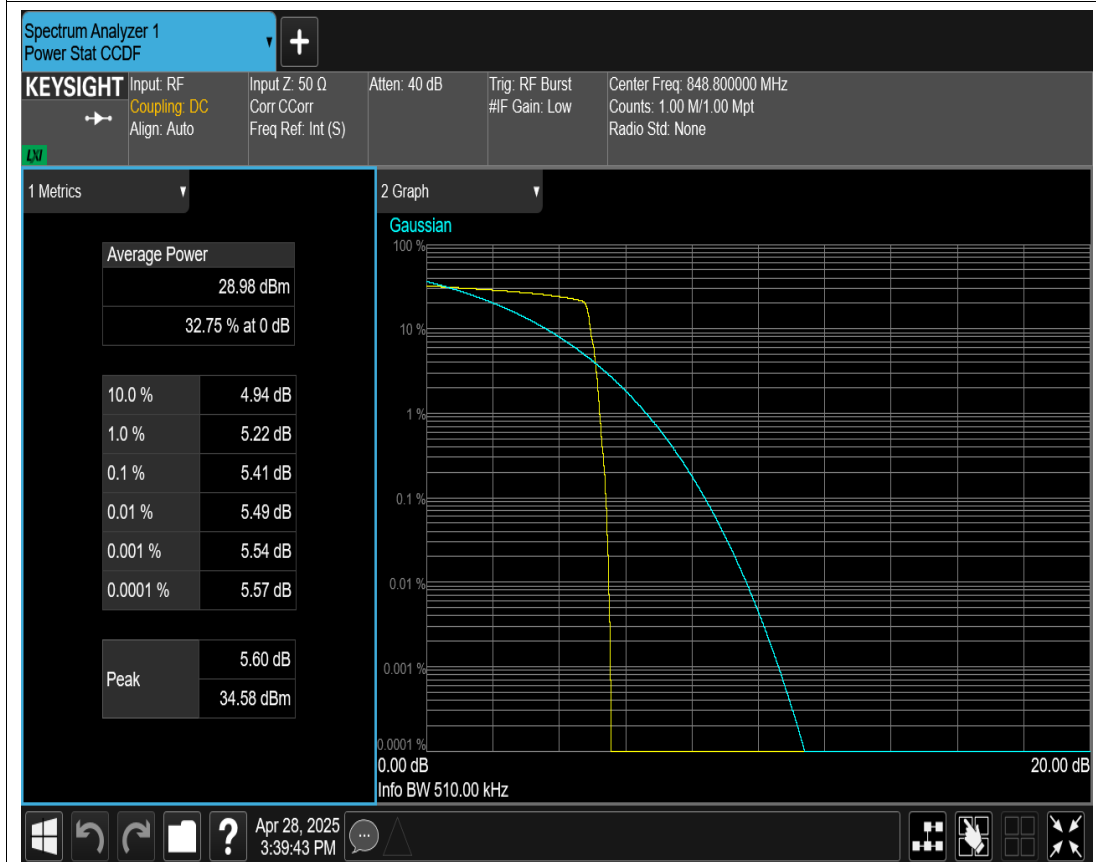


GPRS1900 Channel=810

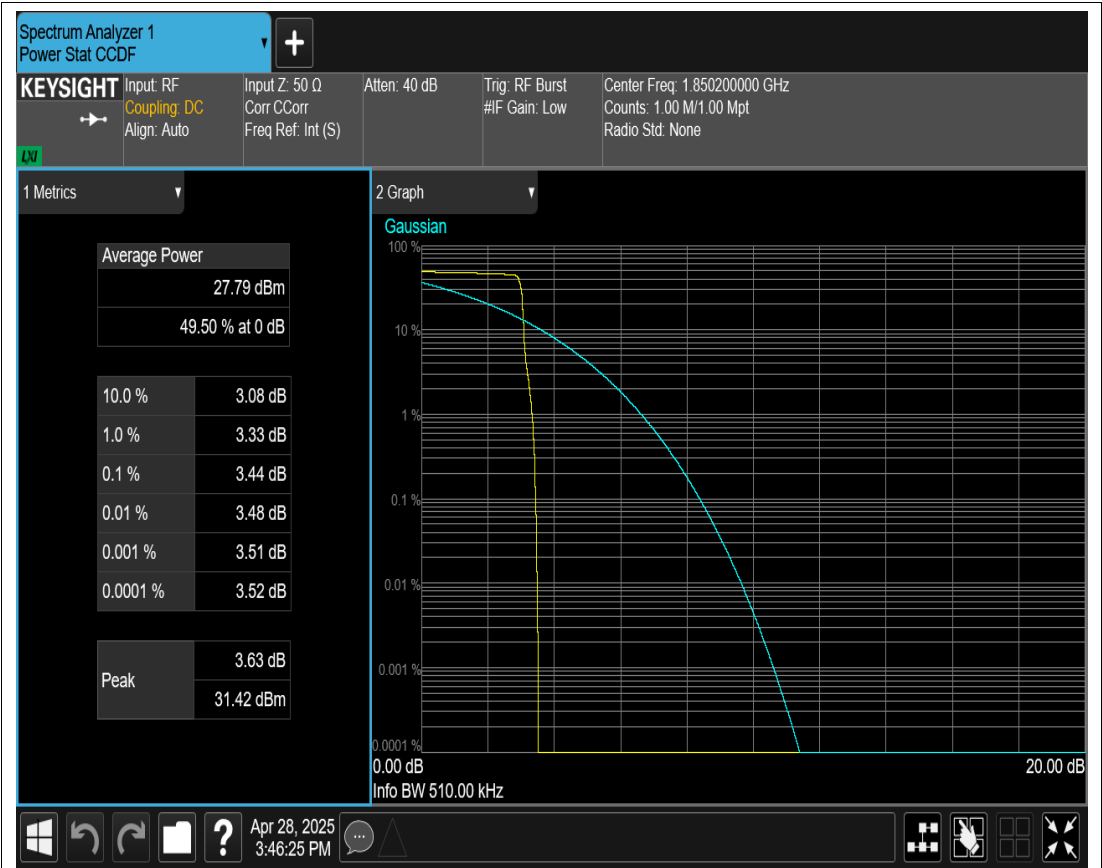




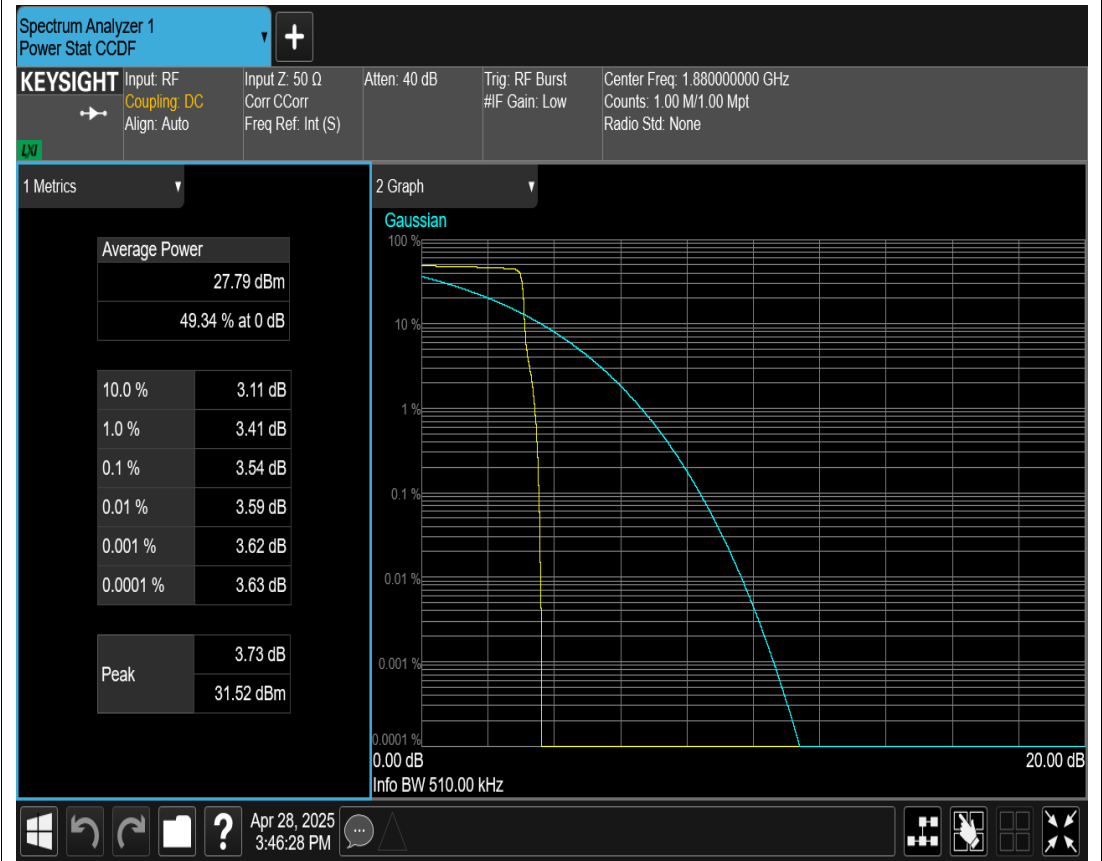
EGPRS850 Channel=190



EGPRS850 Channel=251



EGPRS1900 Channel=512



EGPRS1900 Channel=661

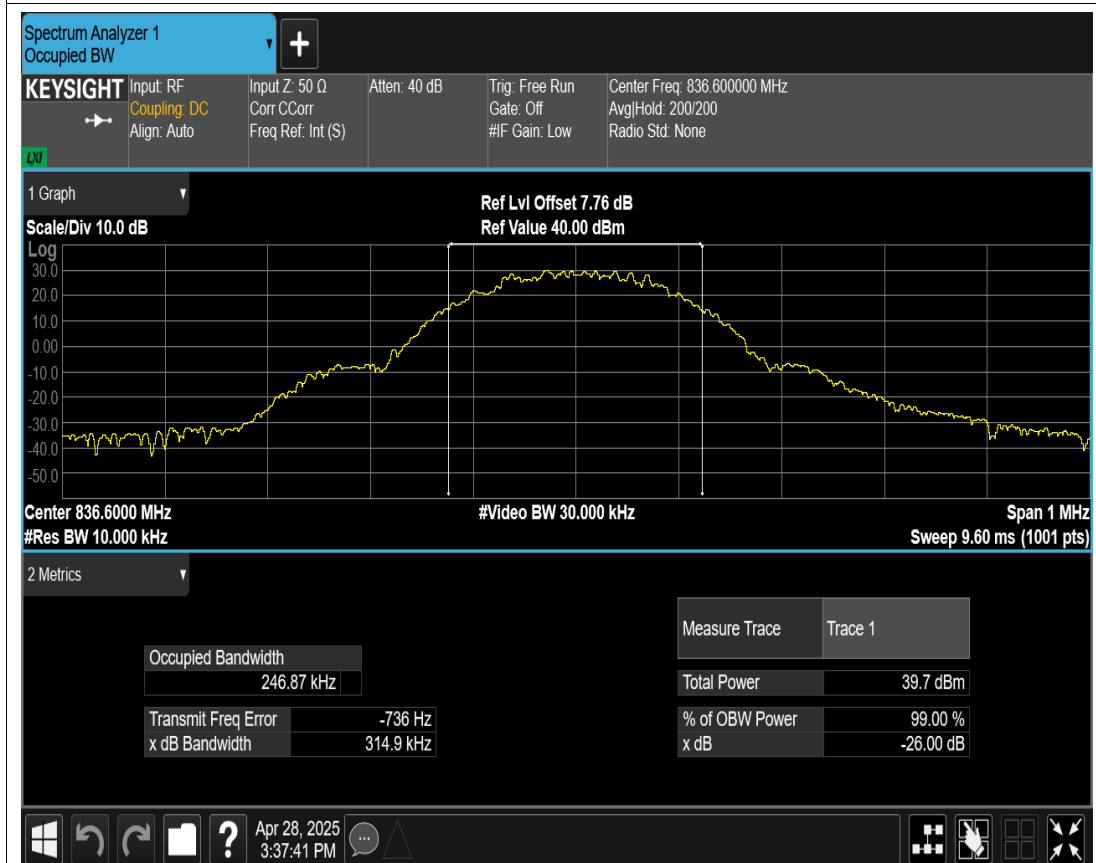


04 Occupied bandwidth

<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>99% OBW (kHz)</i>	<i>-26dB EBW (kHz)</i>	<i>Verdict</i>
GPRS850	128	824.2	246.102	312.044	PASS
GPRS850	190	836.6	246.869	314.874	PASS
GPRS850	251	848.8	245.537	325.600	PASS
GPRS1900	512	1850.2	243.964	316.574	PASS
GPRS1900	661	1880	244.787	324.336	PASS
GPRS1900	810	1909.8	246.902	317.940	PASS
GSM850	128	824.2	248.237	309.222	PASS
GSM850	190	836.6	242.429	306.330	PASS
GSM850	251	848.8	241.088	303.269	PASS
GSM1900	512	1850.2	246.675	317.674	PASS
GSM1900	661	1880	240.801	316.085	PASS
GSM1900	810	1909.8	245.238	315.051	PASS
EGPRS850	128	824.2	443.633	498.132	PASS
EGPRS850	190	836.6	416.732	575.736	PASS
EGPRS850	251	848.8	417.570	512.981	PASS
EGPRS1900	512	1850.2	338.872	480.676	PASS
EGPRS1900	661	1880	363.719	466.916	PASS
EGPRS1900	810	1909.8	376.713	711.339	PASS



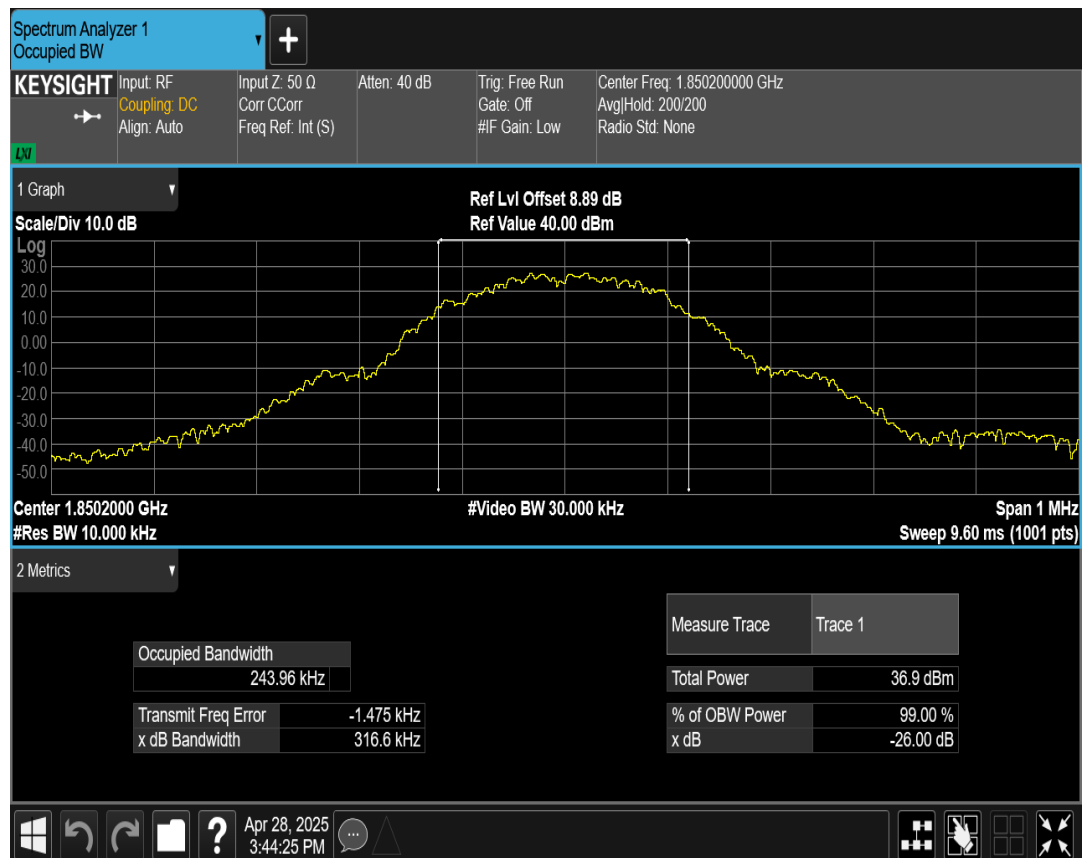
GPRS850 Channel=128



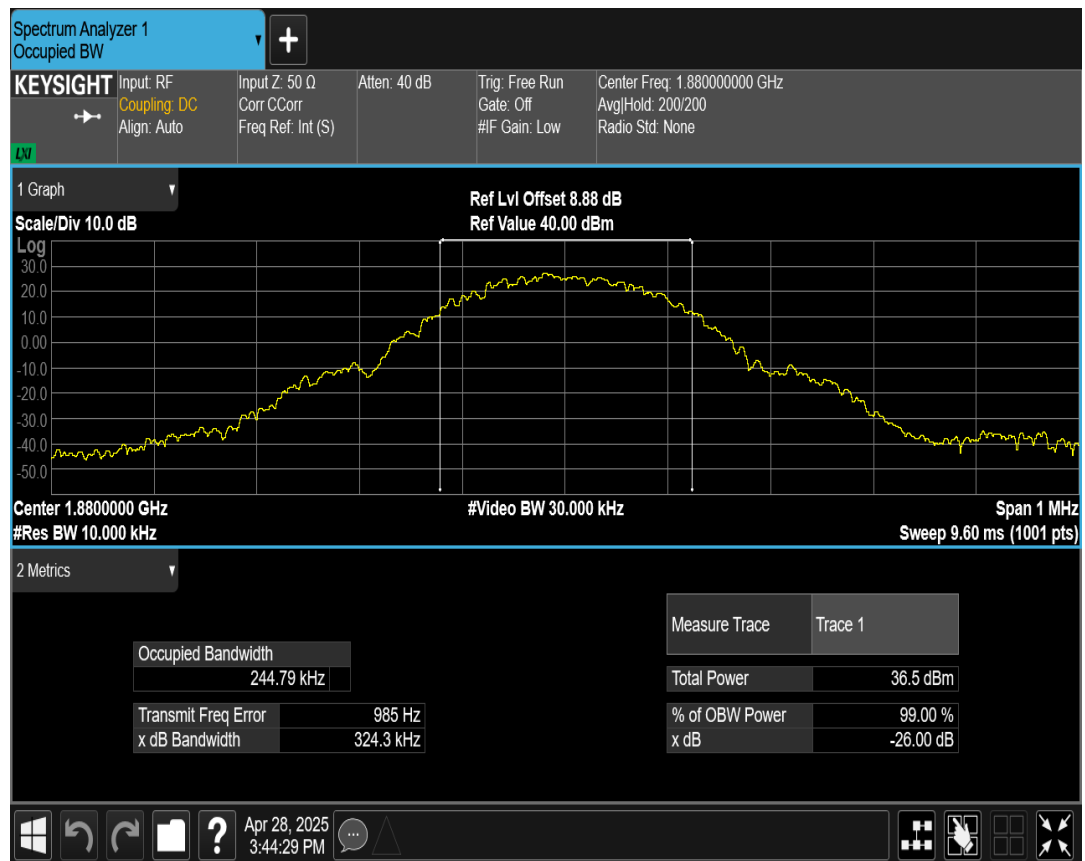
GPRS850 Channel=190



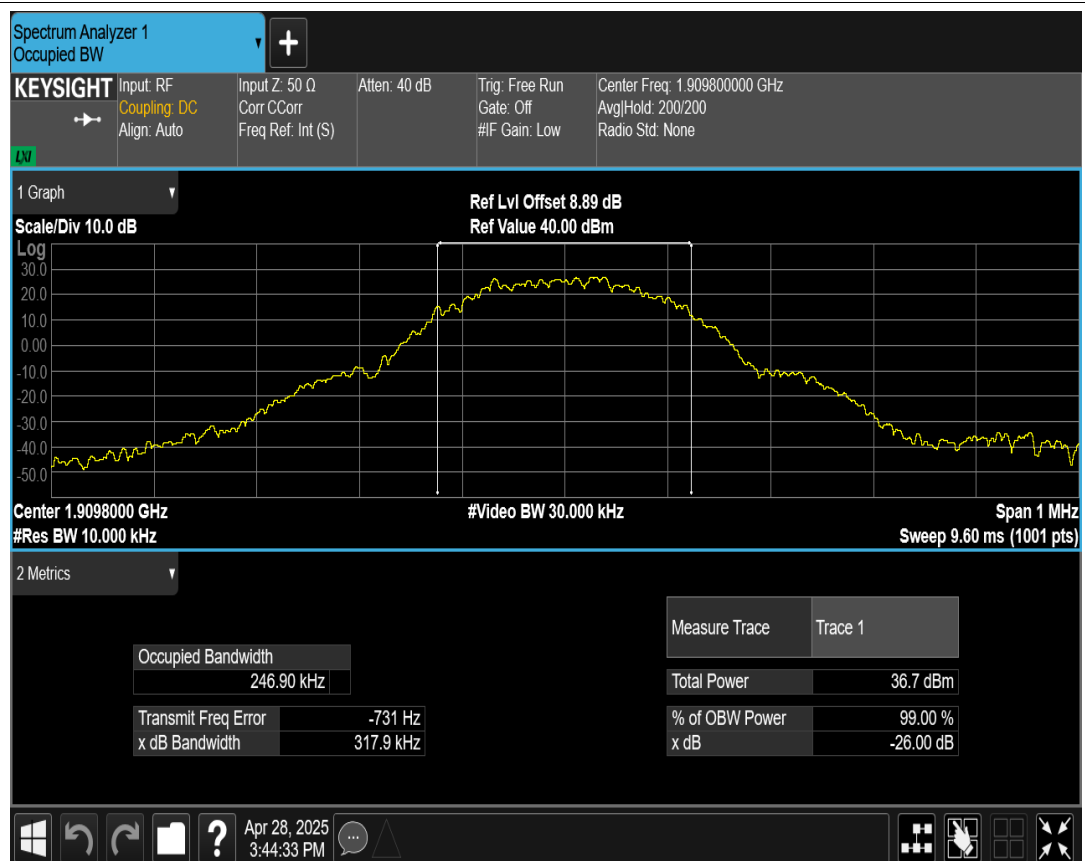
GPRS850 Channel=251



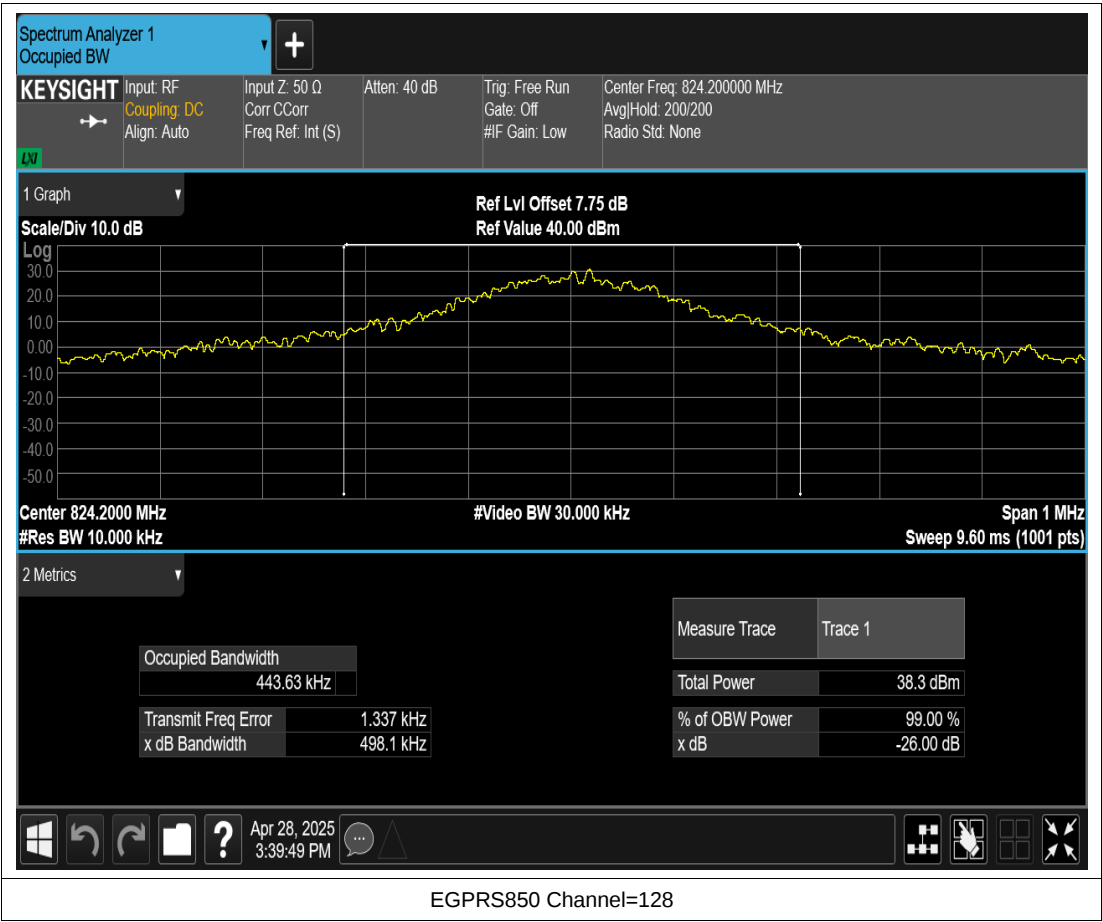
GPRS1900 Channel=512



GPRS1900 Channel=661

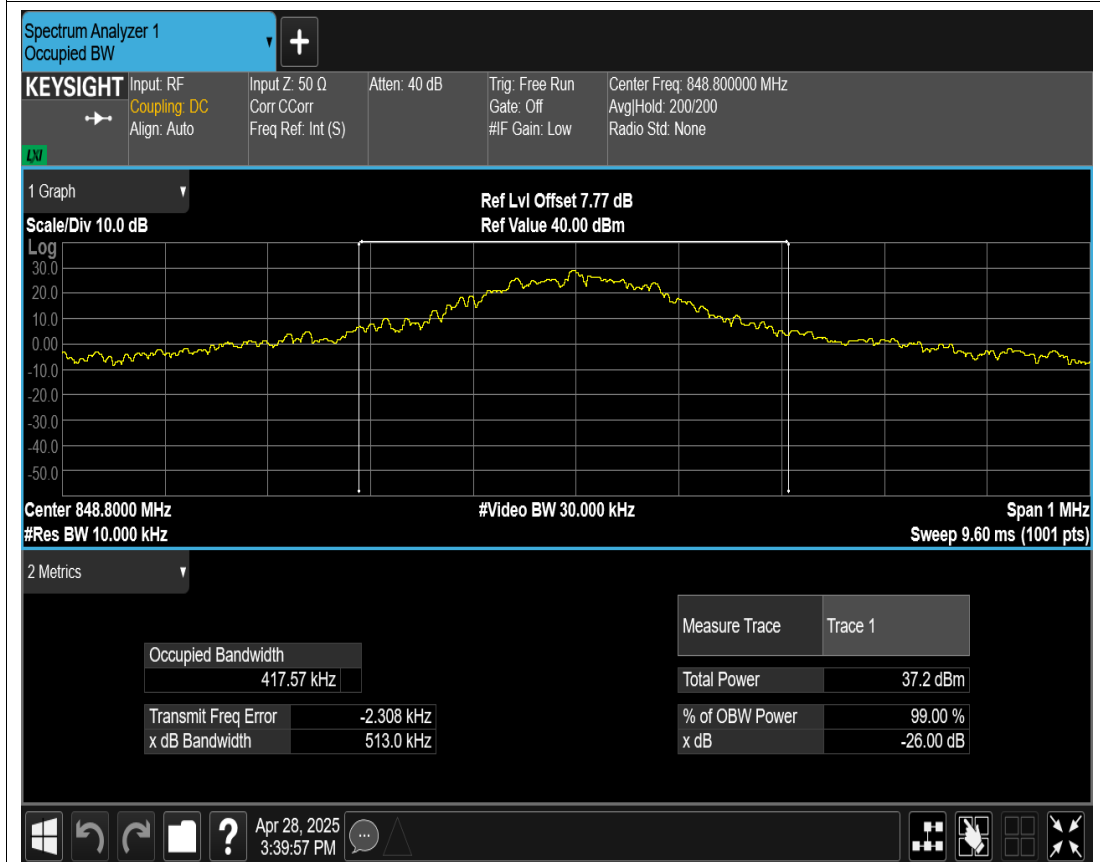


GPRS1900 Channel=810

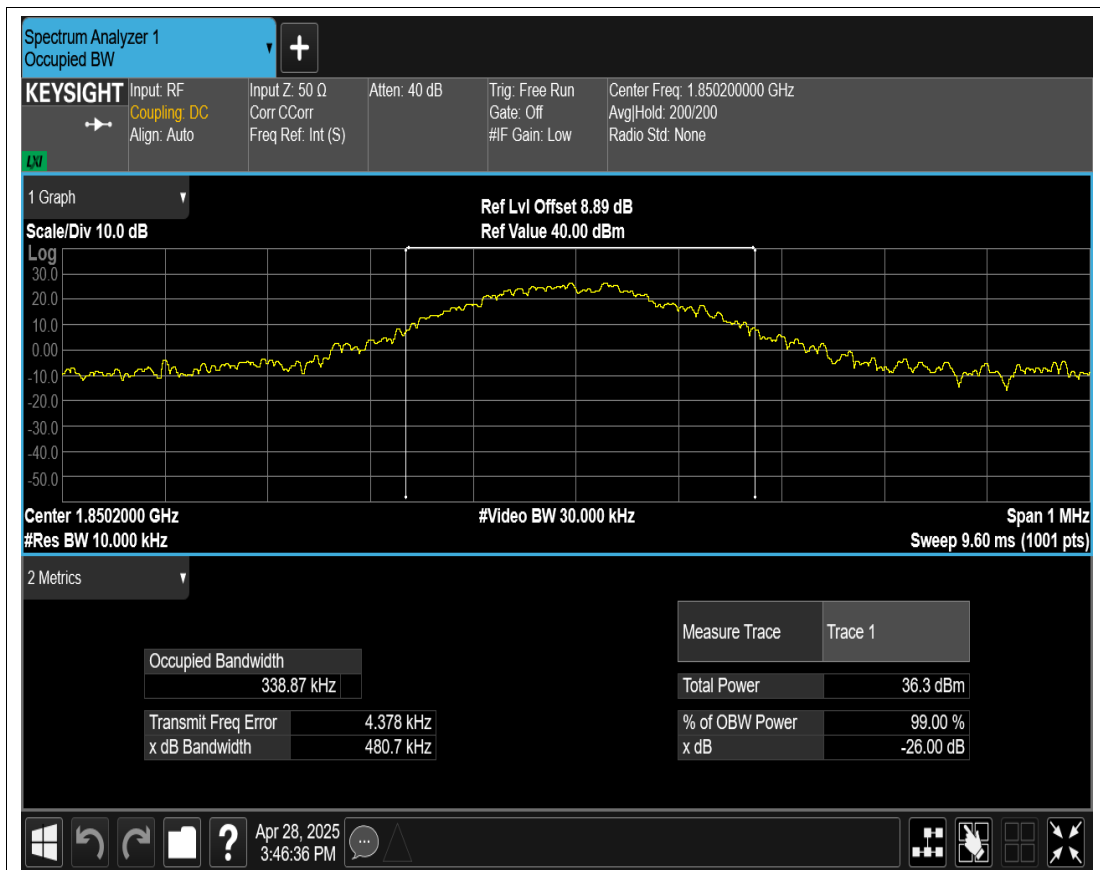




EGPRS850 Channel=190



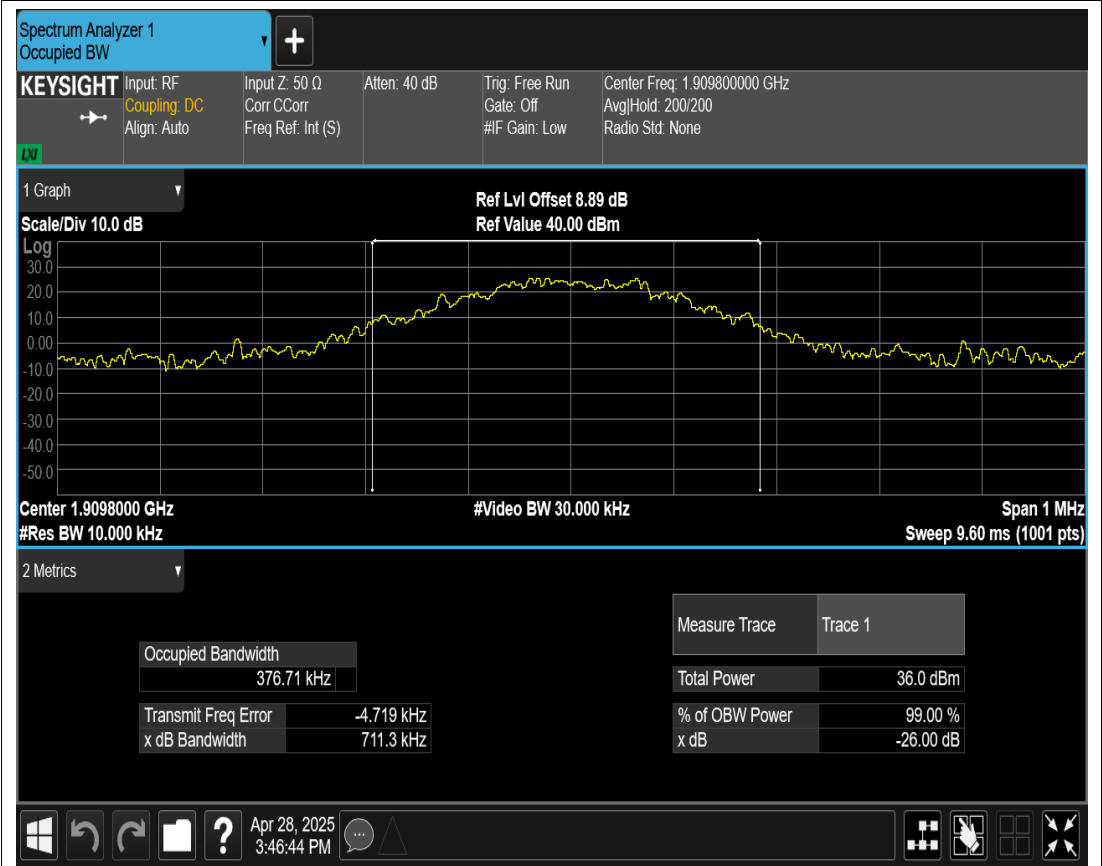
EGPRS850 Channel=251



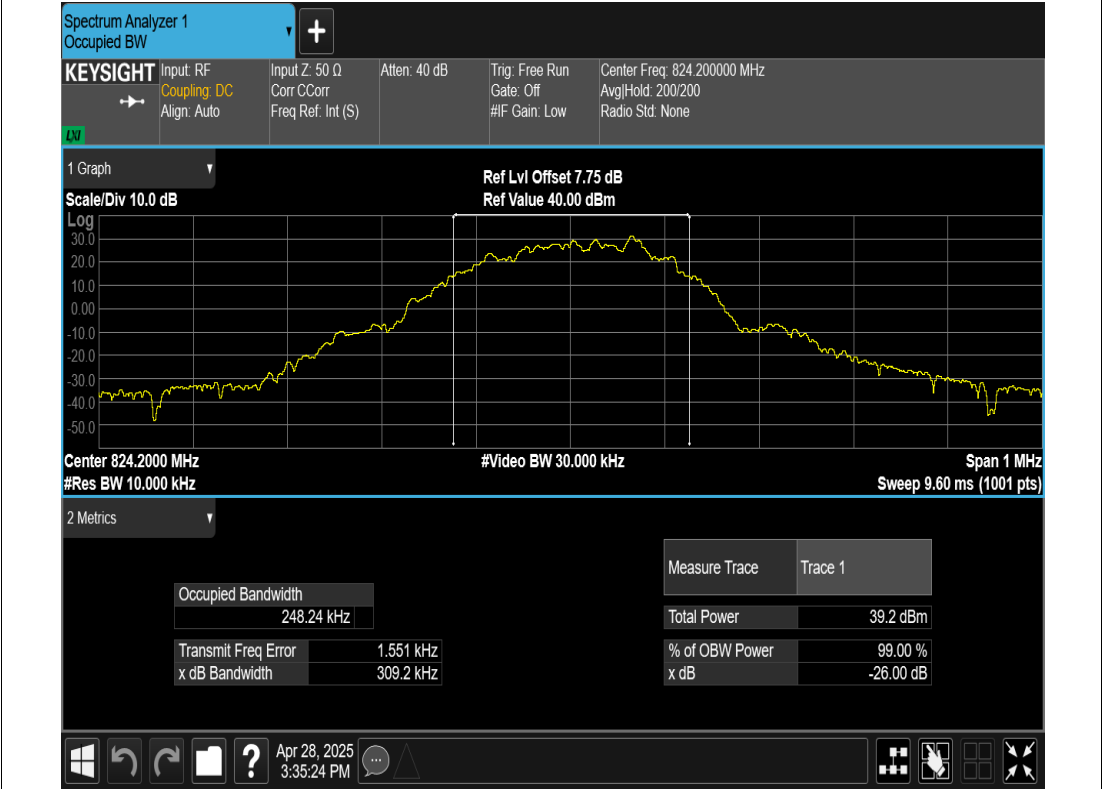
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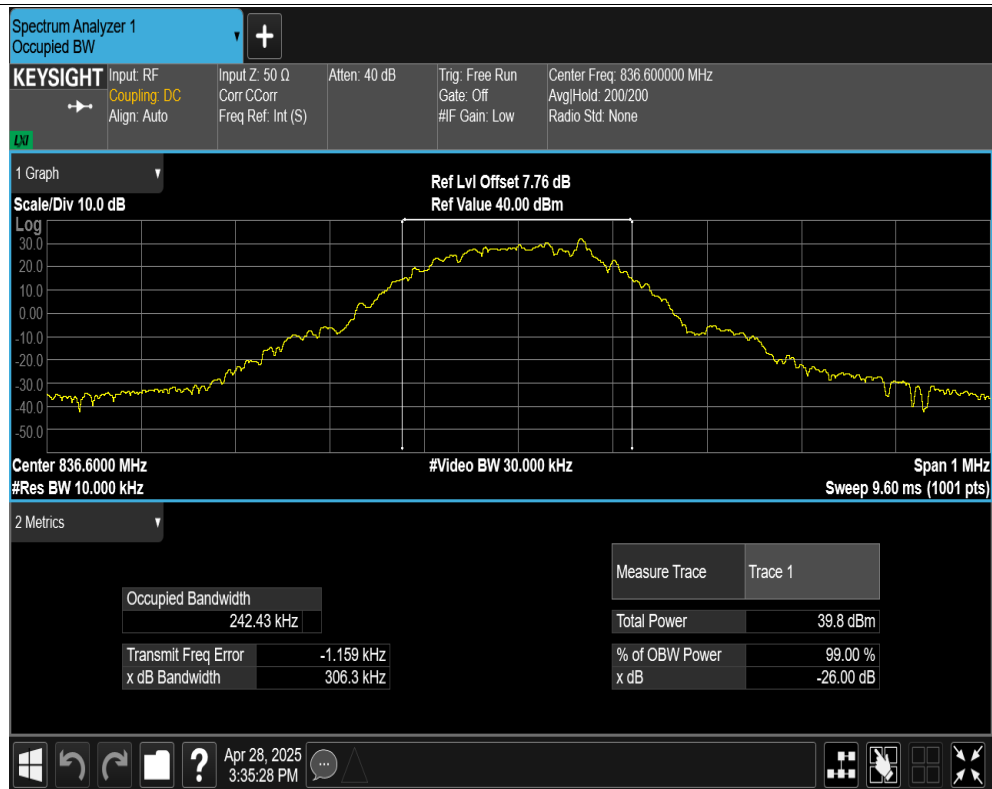
EGPRS1900 Channel=661



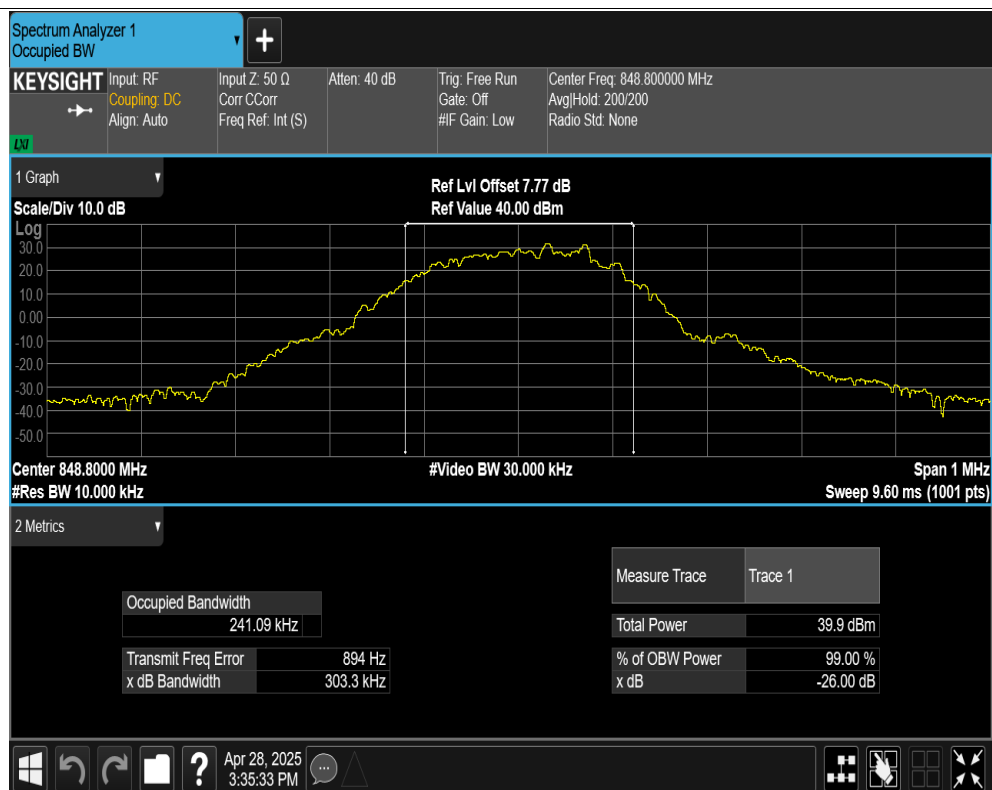
EGPRS1900 Channel=810



GSM850 Channel=128



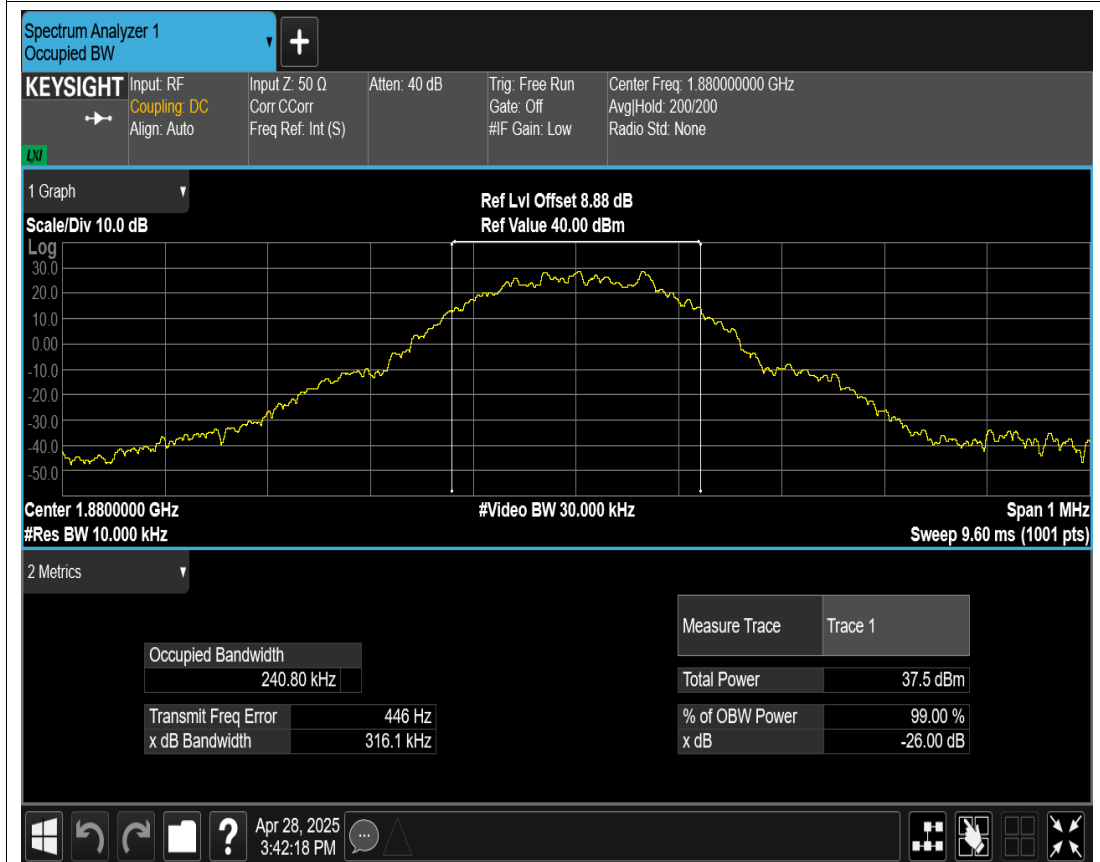
GSM850 Channel=190



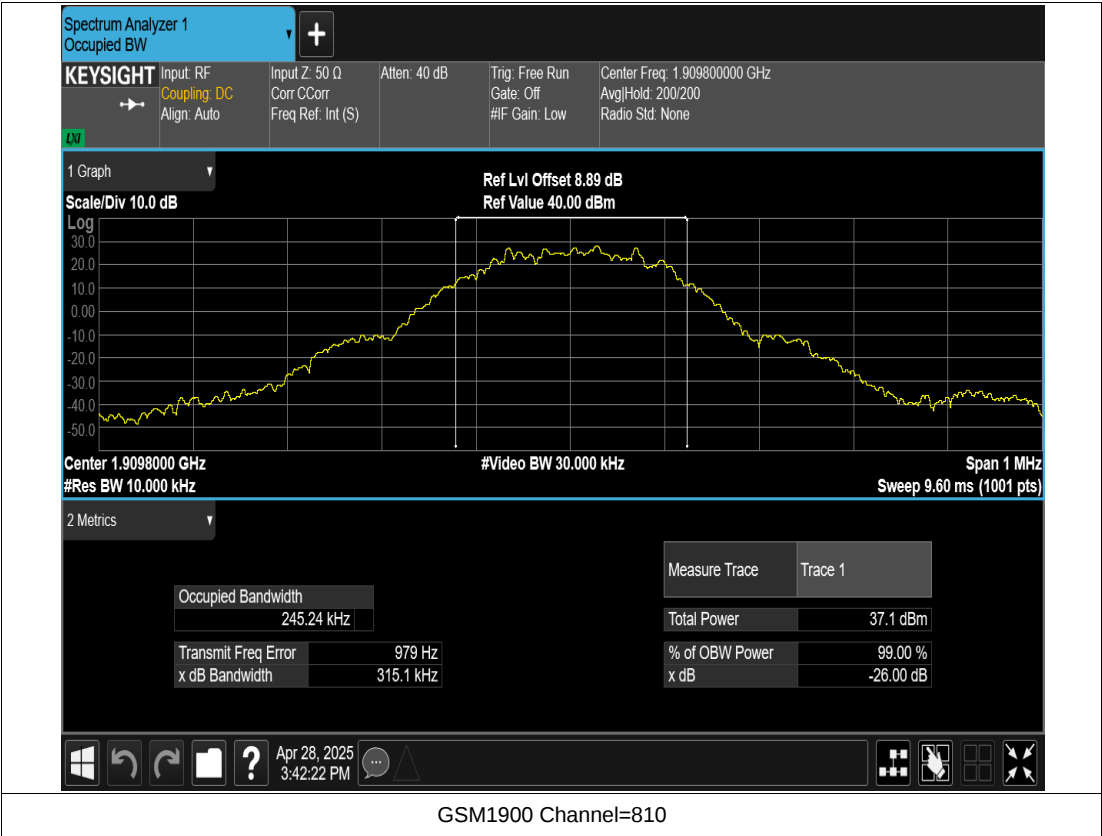
GSM850 Channel=251



GSM1900 Channel=512

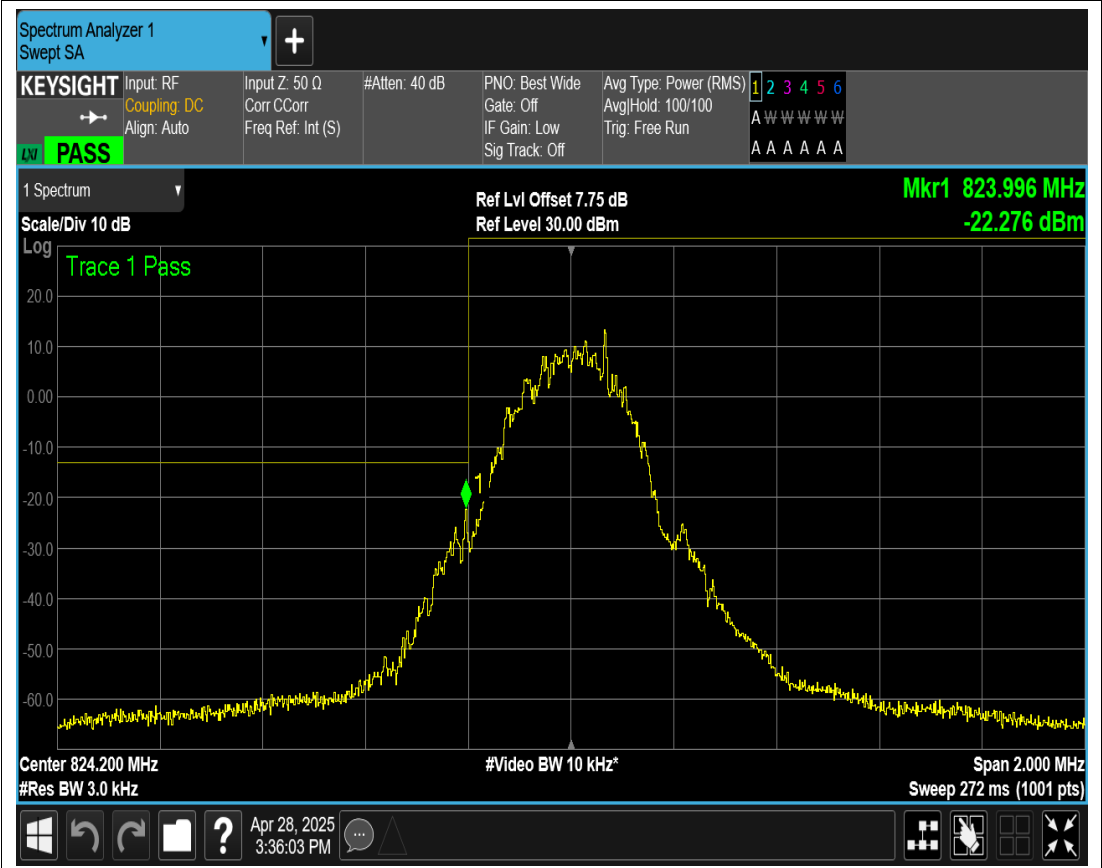


GSM1900 Channel=661

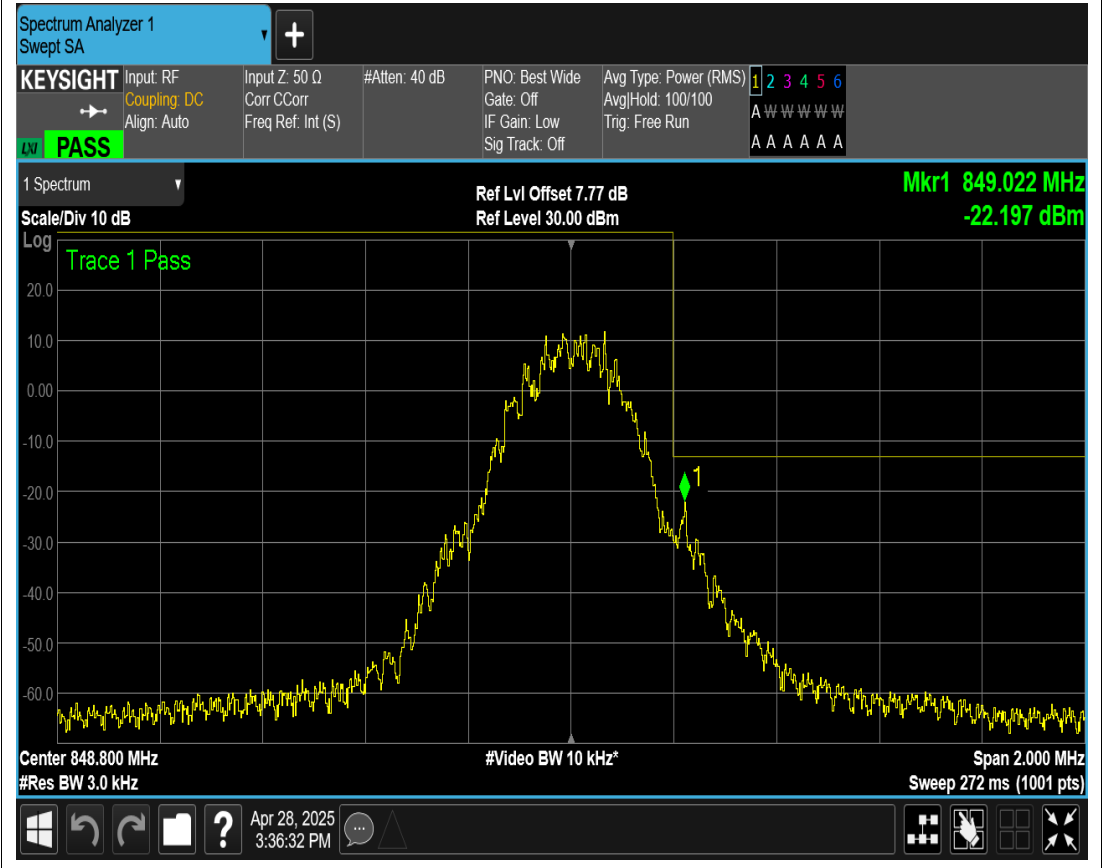


05 Band edge

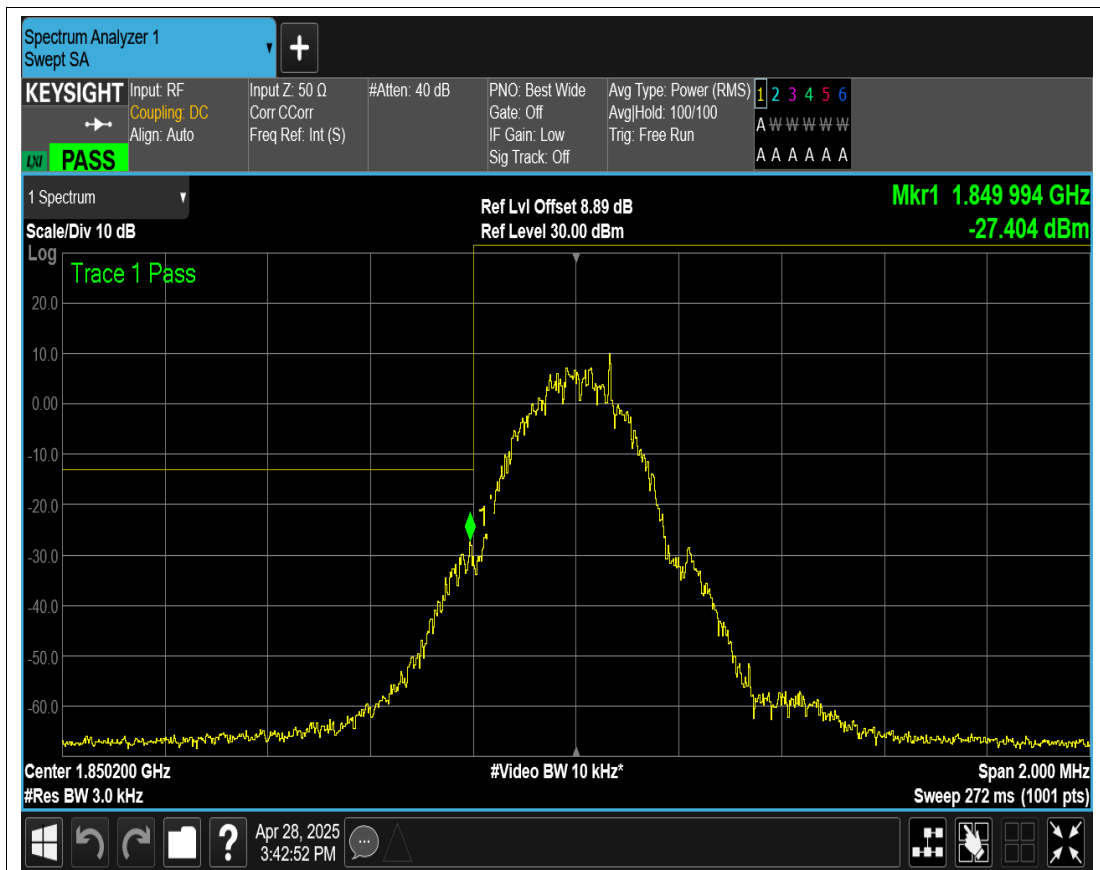
<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>Spur Freq (MHz)</i>	<i>Spur Level (dBm)</i>	<i>Limit (dBm)</i>	<i>Verdict</i>
GSM850	128	824.2	824.00	-22.27	-13	PASS
GSM850	251	848.8	849.02	-22.19	-13	PASS
GSM1900	512	1850.2	1849.99	-27.40	-13	PASS
GSM1900	810	1909.8	1910.02	-28.49	-13	PASS
GPRS850	128	824.2	823.98	-26.22	-13	PASS
GPRS850	251	848.8	849.00	-25.83	-13	PASS
GPRS1900	512	1850.2	1849.98	-29.56	-13	PASS
GPRS1900	810	1909.8	1910.02	-28.52	-13	PASS
EGPRS850	128	824.2	823.99	-13.92	-13	PASS
EGPRS850	251	848.8	849.01	-13.36	-13	PASS
EGPRS1900	512	1850.2	1849.99	-17.45	-13	PASS
EGPRS1900	810	1909.8	1910.00	-14.86	-13	PASS



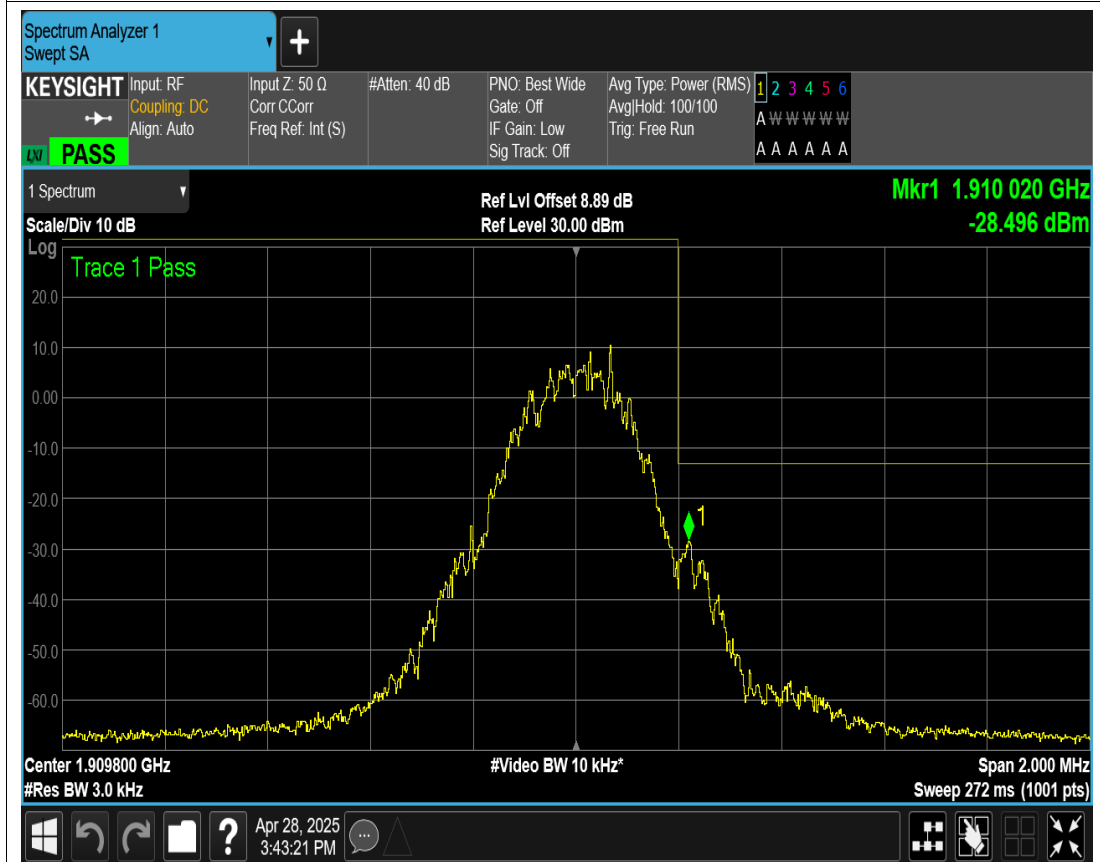
GSM850 Channel=128



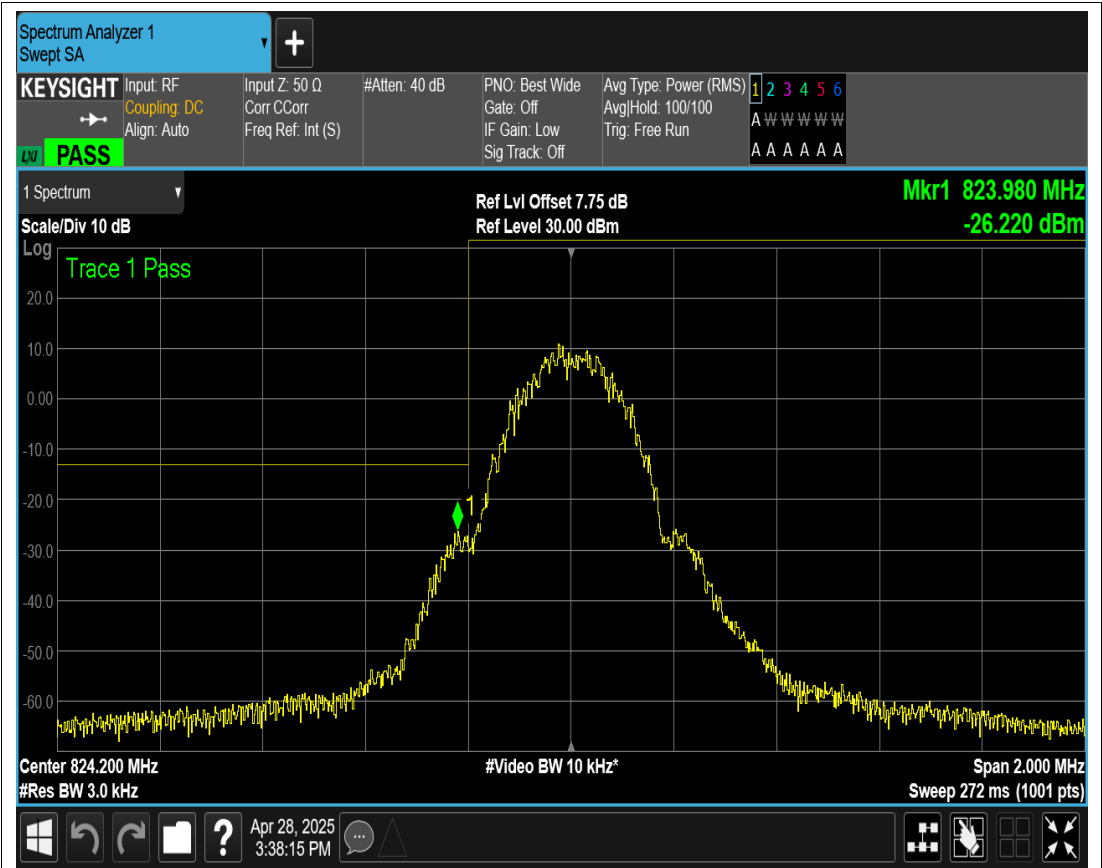
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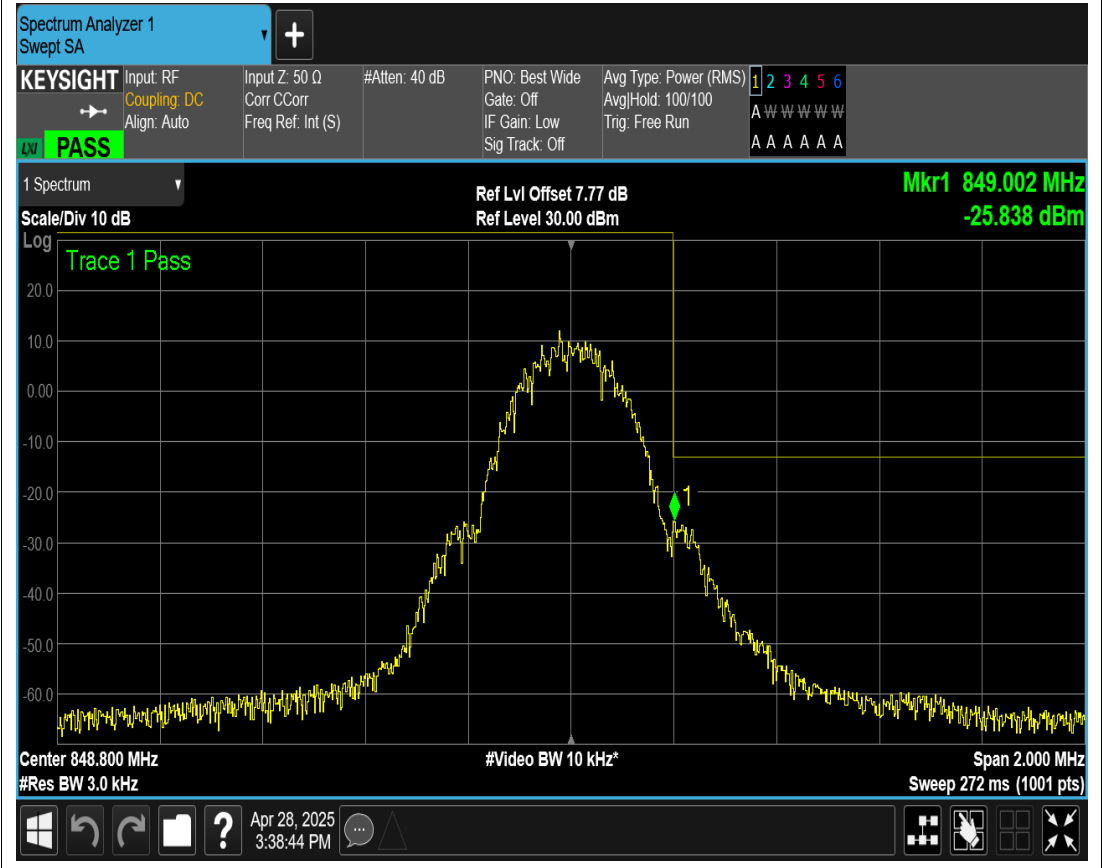
GSM1900 Channel=512

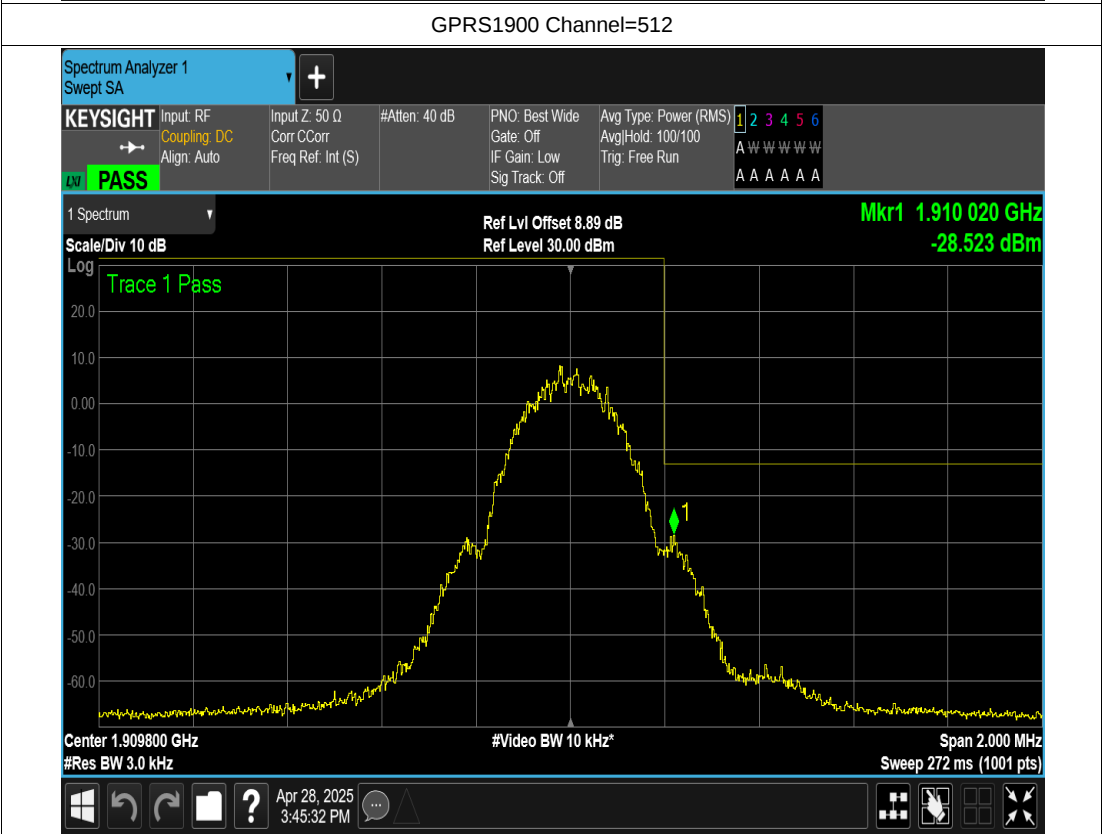
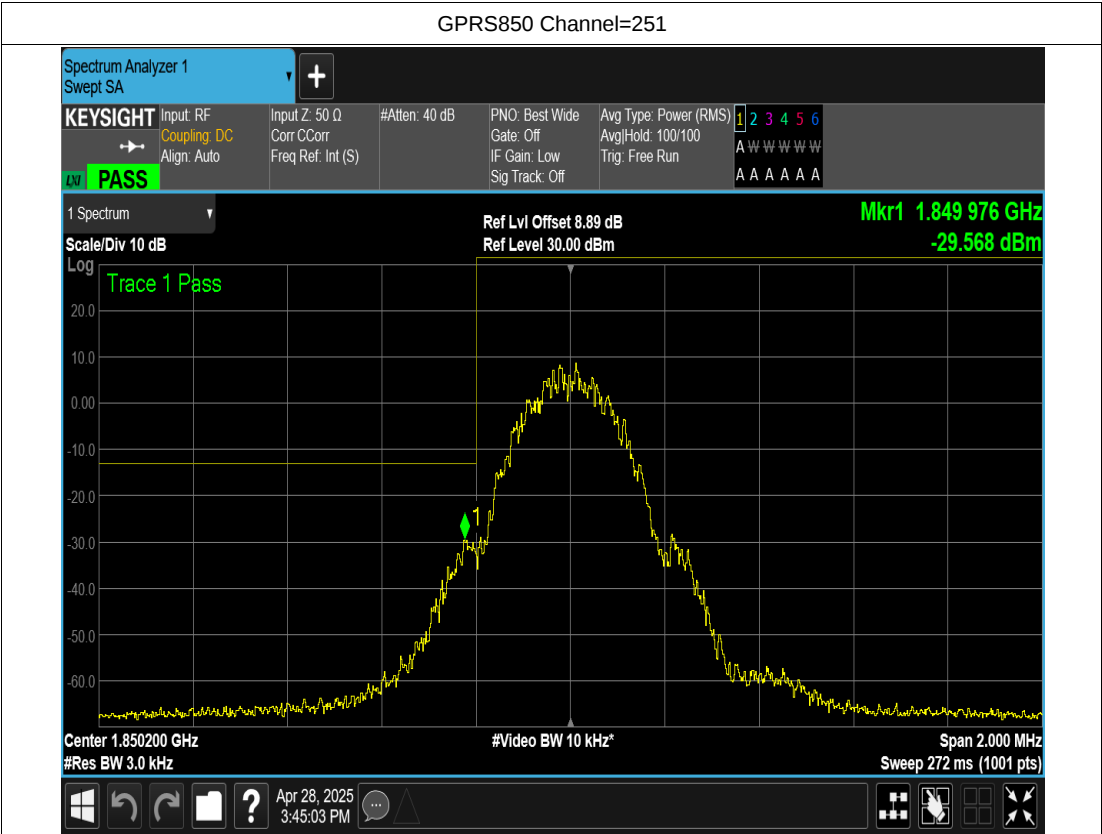


GSM1900 Channel=810

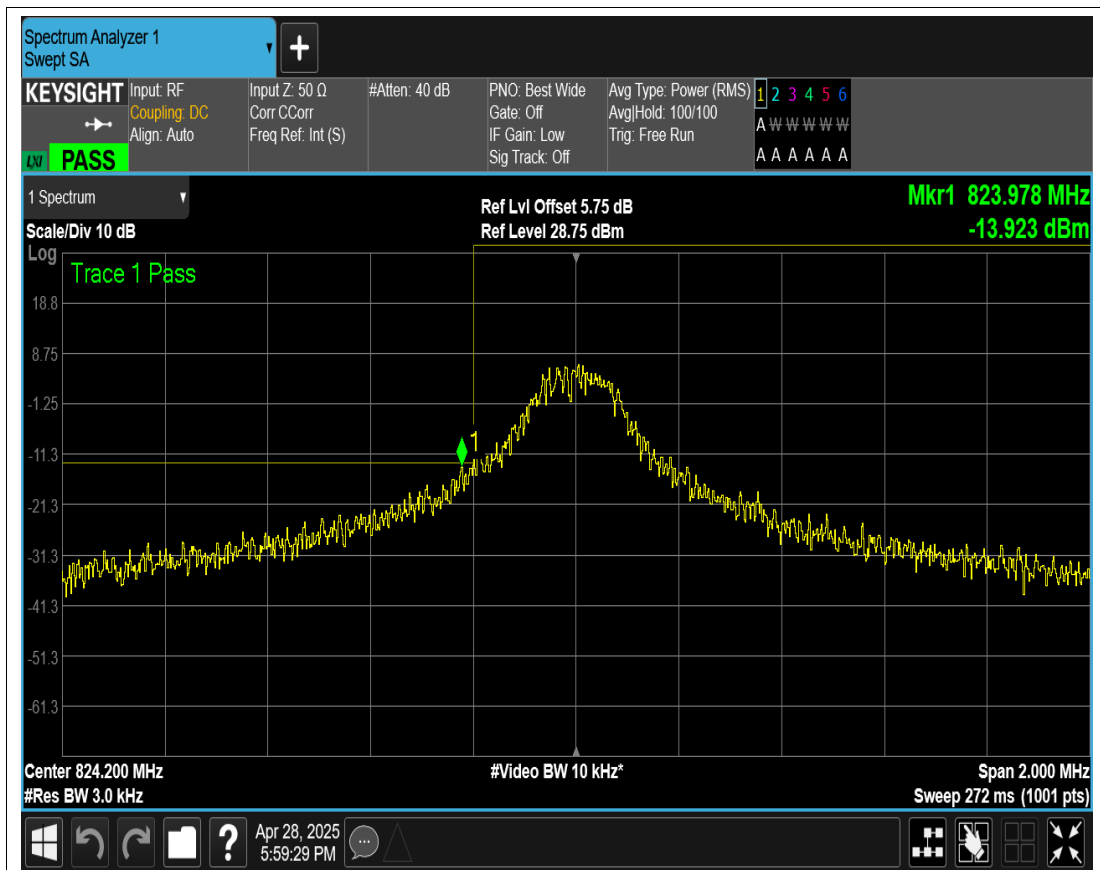


GPRS850 Channel=128





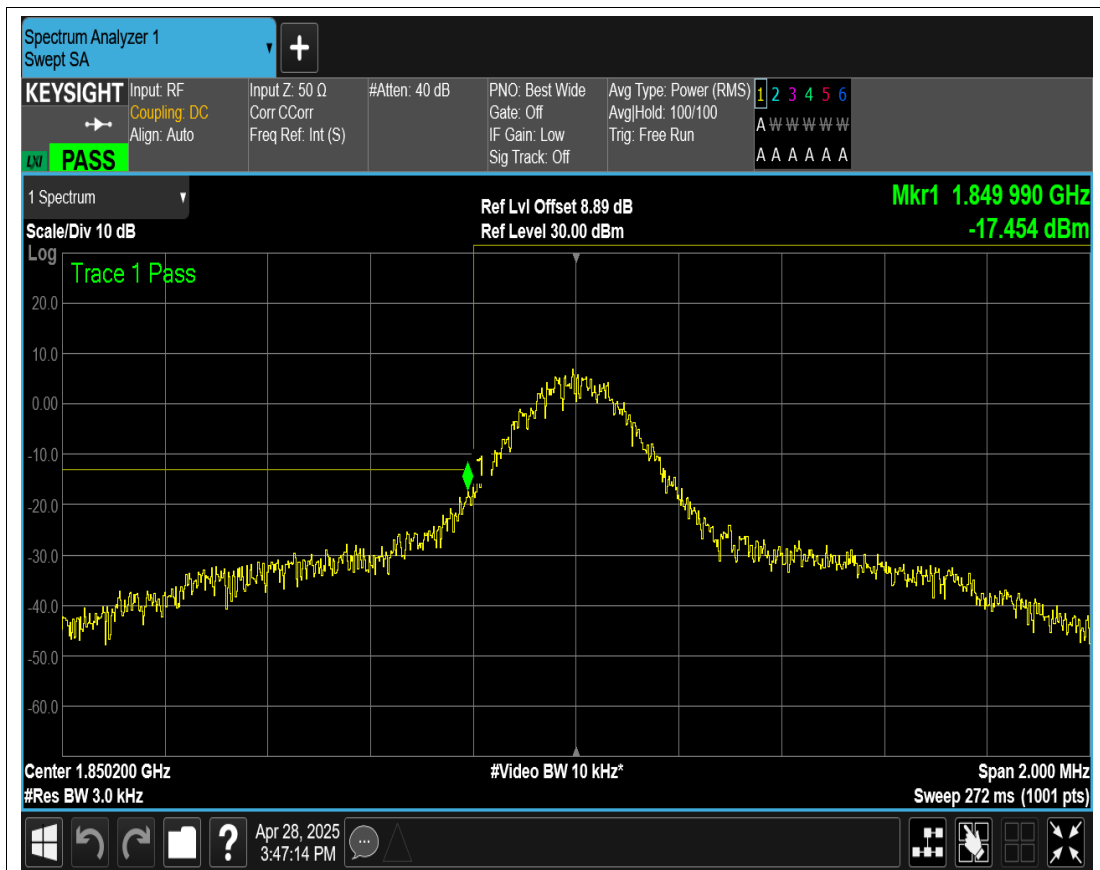
GPRS1900 Channel=810



EGPRS850 Channel=128



EGPRS850 Channel=251



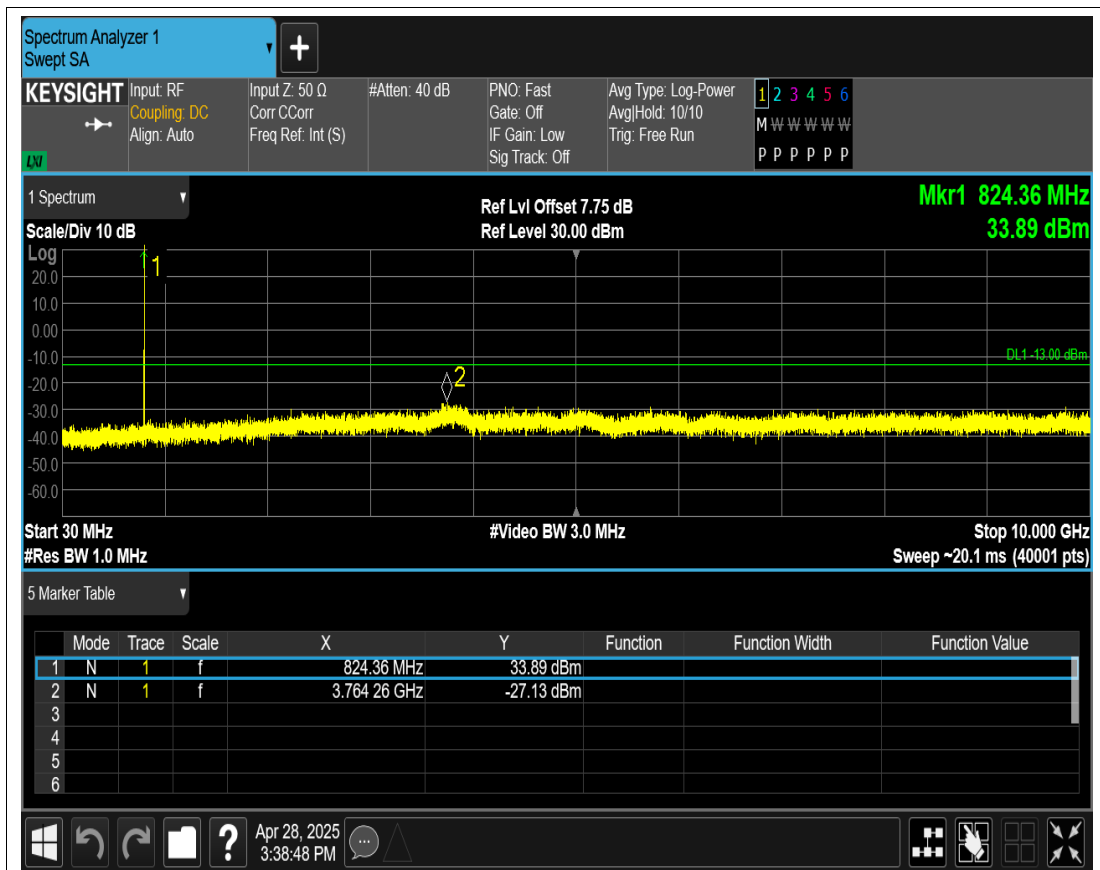
EGPRS1900 Channel=512



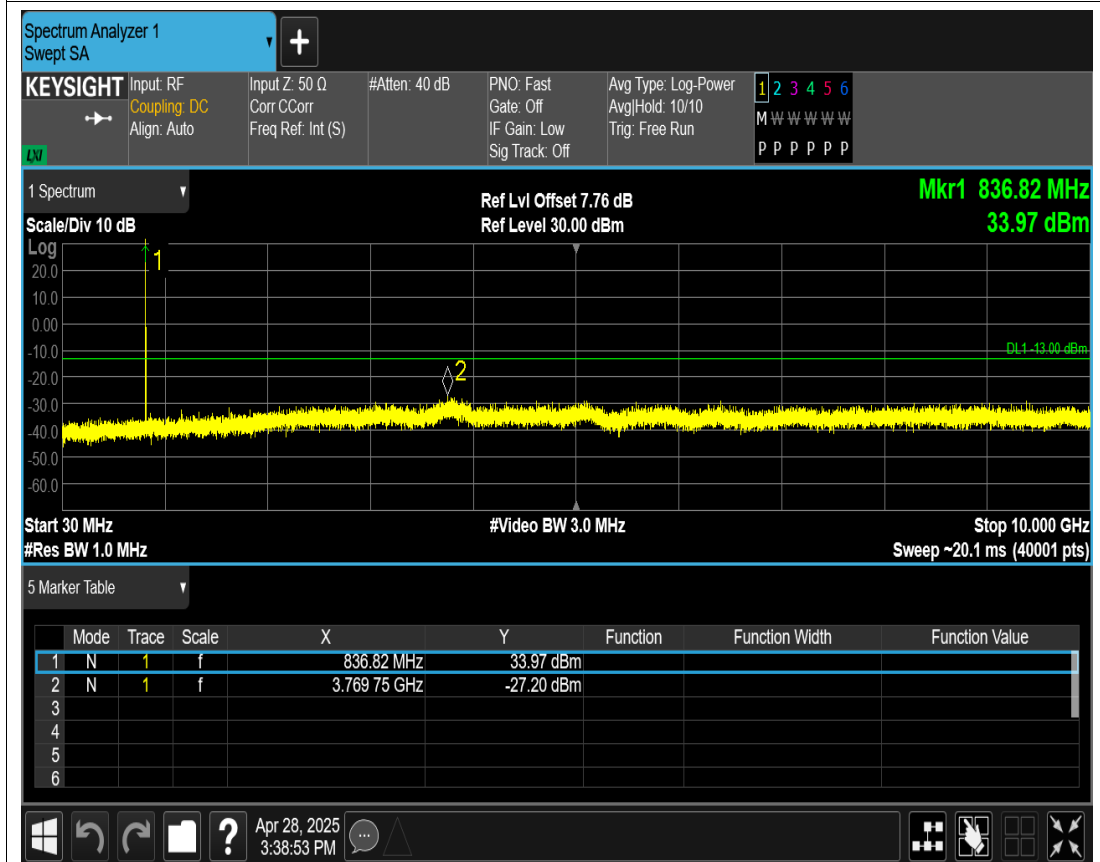
EGPRS1900 Channel=810

06 Out-of-band emissions

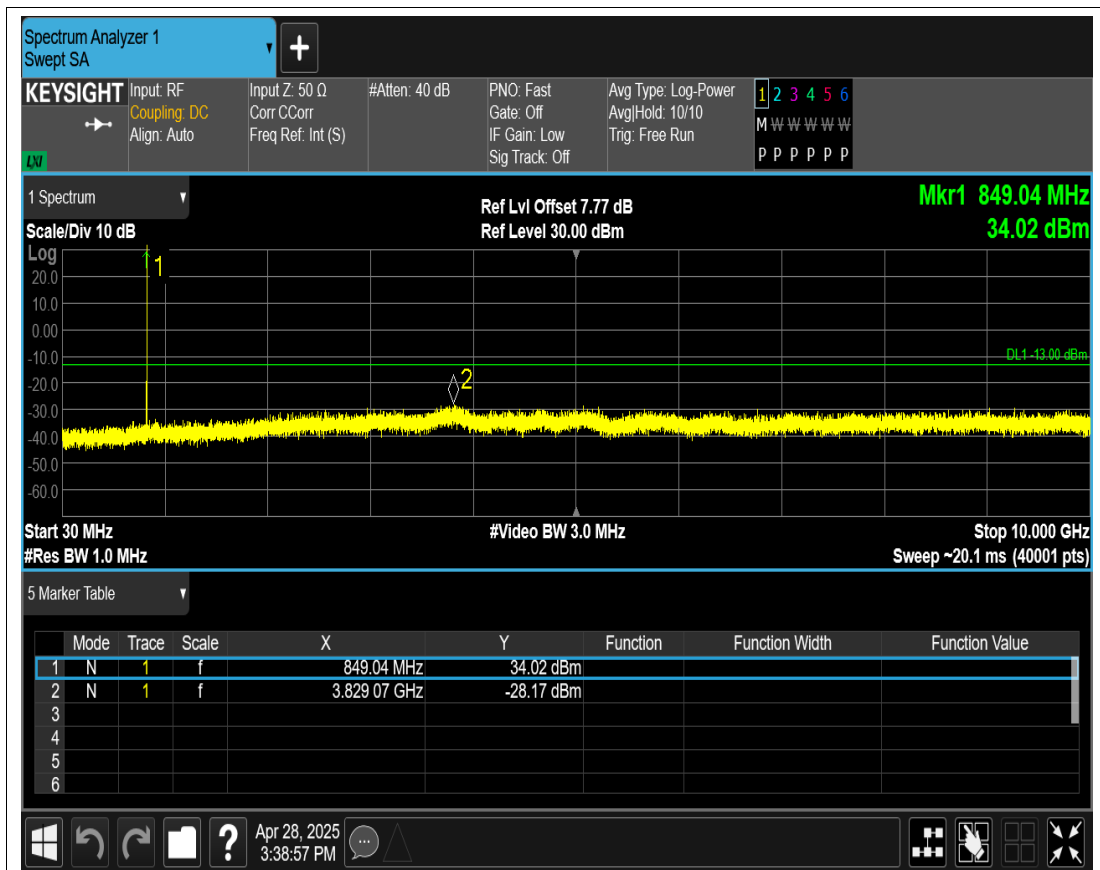
<i>Band</i>	<i>Channel</i>	<i>Frequency (MHz)</i>	<i>Spur Freq (MHz)</i>	<i>Spur Level (dBm)</i>	<i>Limit (dBm)</i>	<i>Verdict</i>
GPRS850	128	824.2	3764.26	-27.12	-13	PASS
GPRS850	190	836.6	3769.75	-27.20	-13	PASS
GPRS850	251	848.8	3829.07	-28.16	-13	PASS
GPRS1900	512	1850.2	3405.43	-25.24	-13	PASS
GPRS1900	661	1880	3816.81	-26.93	-13	PASS
GPRS1900	810	1909.8	19040.94	-26.60	-13	PASS
EGPRS850	128	824.2	3868.45	-28.96	-13	PASS
EGPRS850	190	836.6	3868.70	-28.74	-13	PASS
EGPRS850	251	848.8	3754.29	-28.71	-13	PASS
EGPRS1900	512	1850.2	3799.34	-27.57	-13	PASS
EGPRS1900	661	1880	18941.59	-27.22	-13	PASS
EGPRS1900	810	1909.8	3858.75	-27.25	-13	PASS
GSM850	128	824.2	3882.91	-28.42	-13	PASS
GSM850	190	836.6	3829.07	-27.79	-13	PASS
GSM850	251	848.8	3632.41	-27.85	-13	PASS
GSM1900	512	1850.2	3847.27	-25.79	-13	PASS
GSM1900	661	1880	3815.81	-28.39	-13	PASS
GSM1900	810	1909.8	18706.44	-26.30	-13	PASS



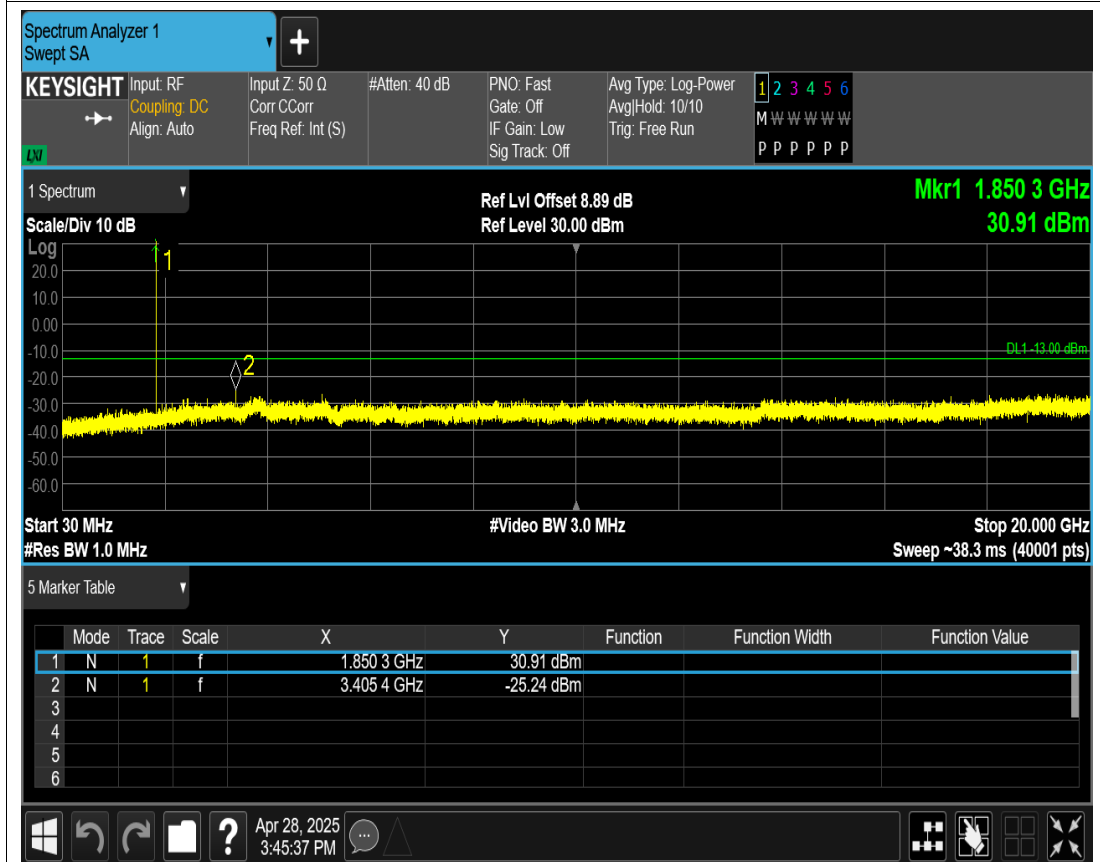
GPRS850 Channel=128



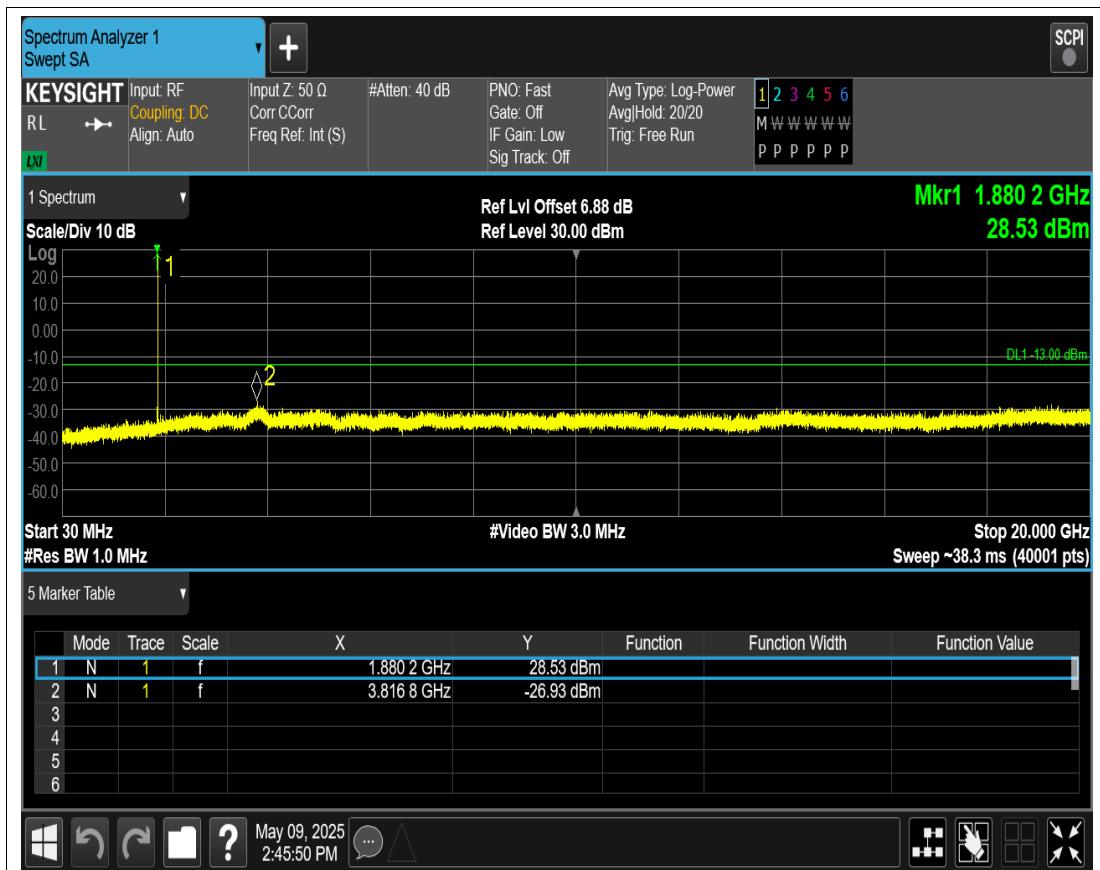
GPRS850 Channel=190



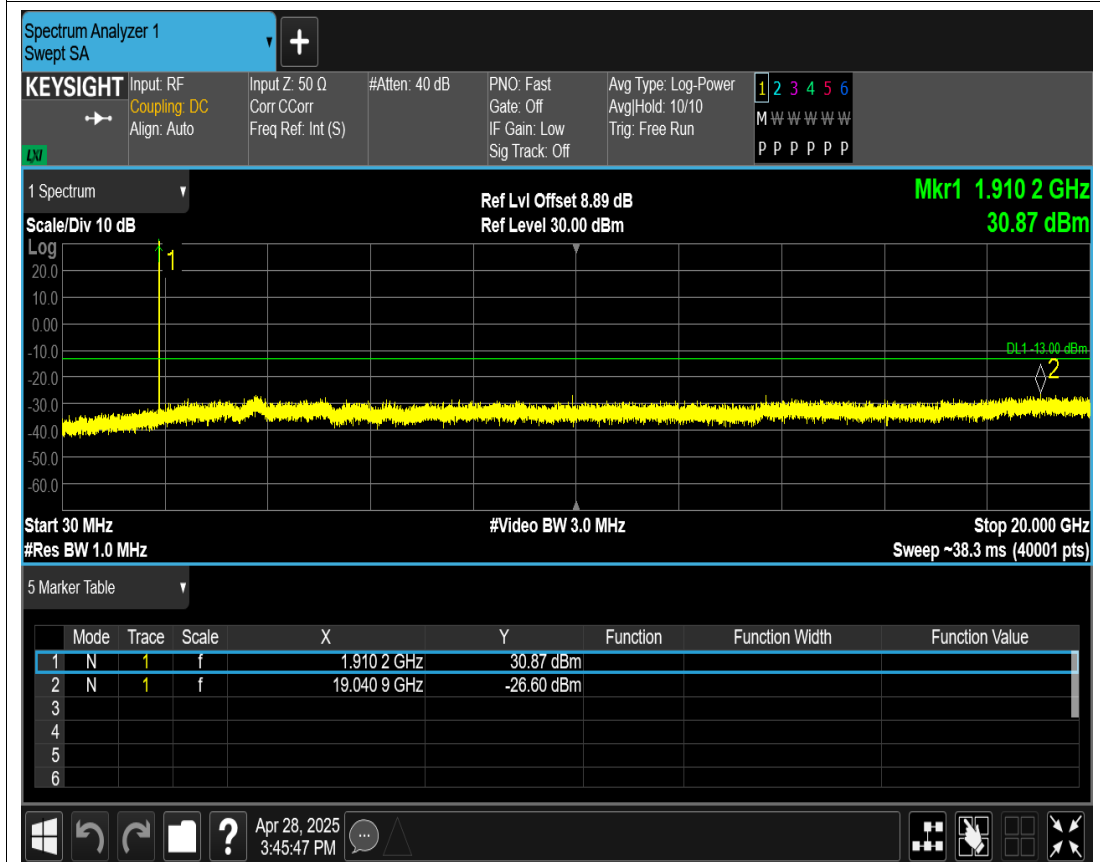
GPRS850 Channel=251



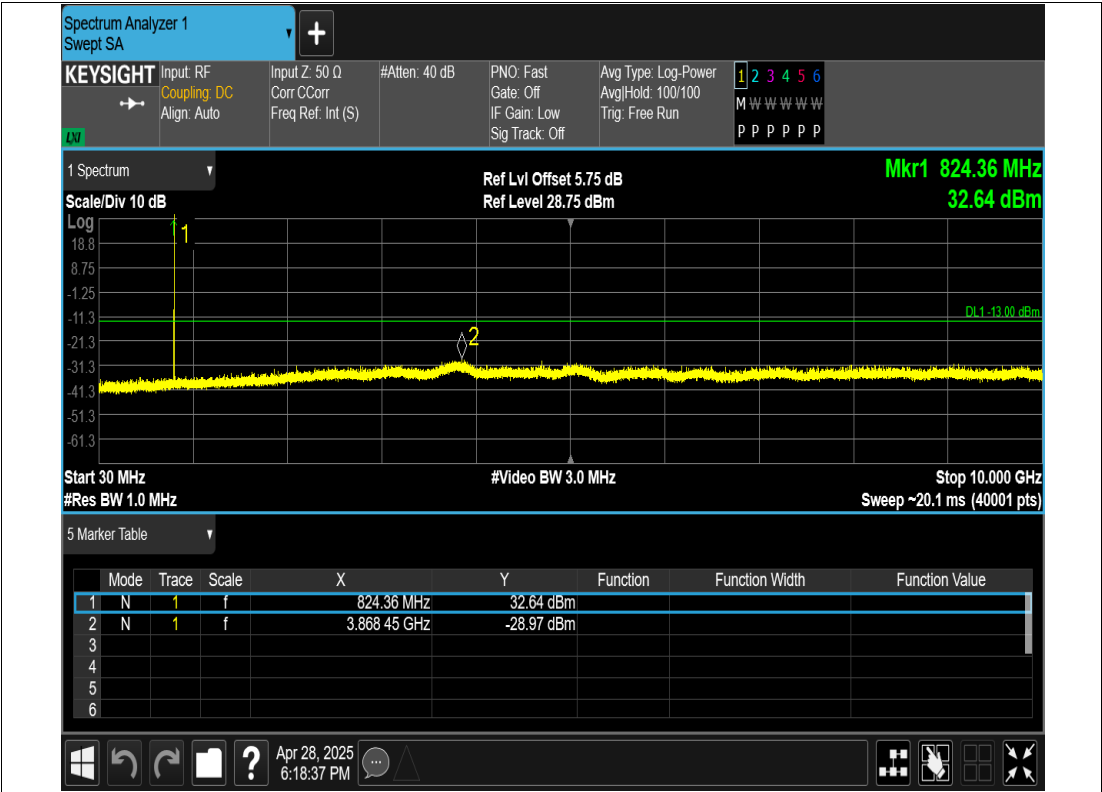
GPRS1900 Channel=512



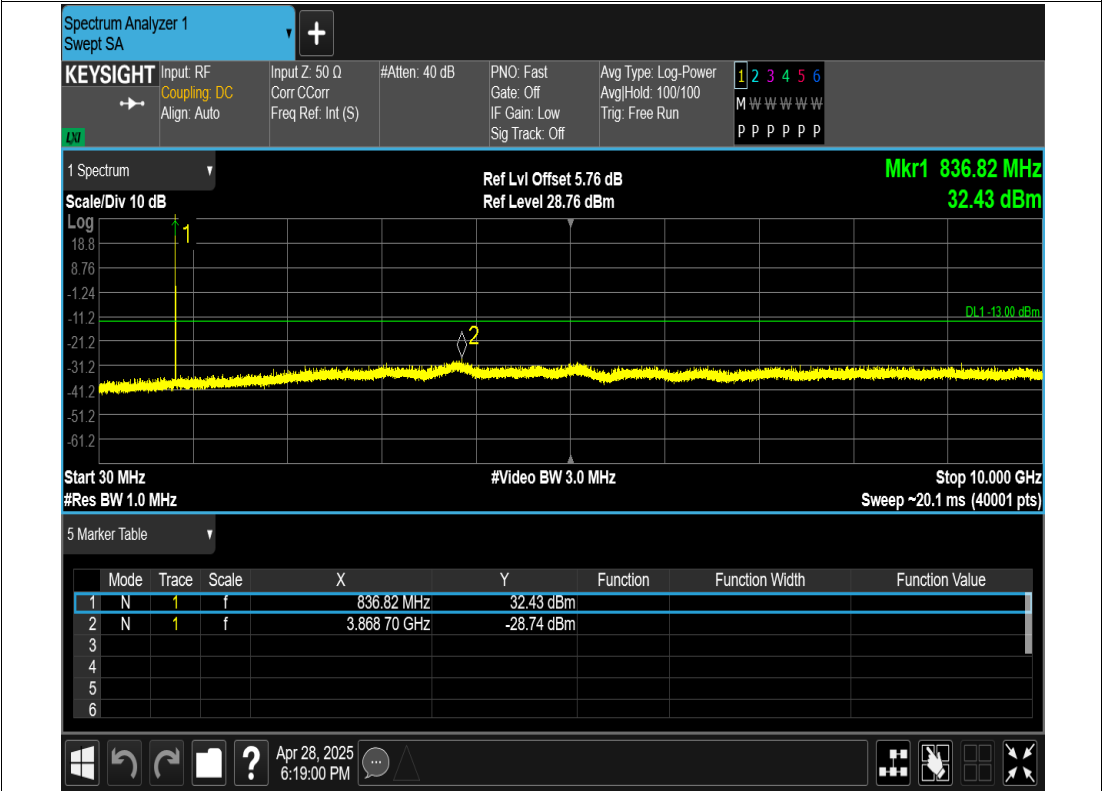
GPRS1900 Channel=661



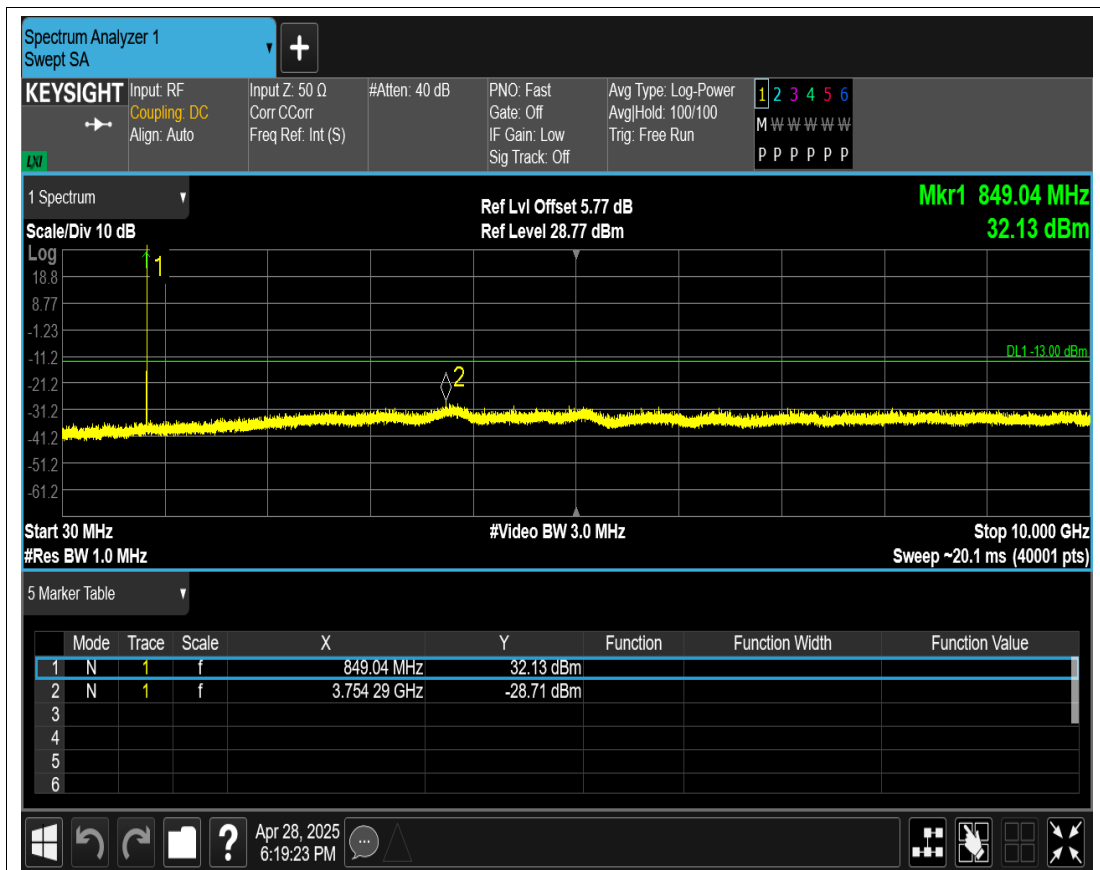
GPRS1900 Channel=810



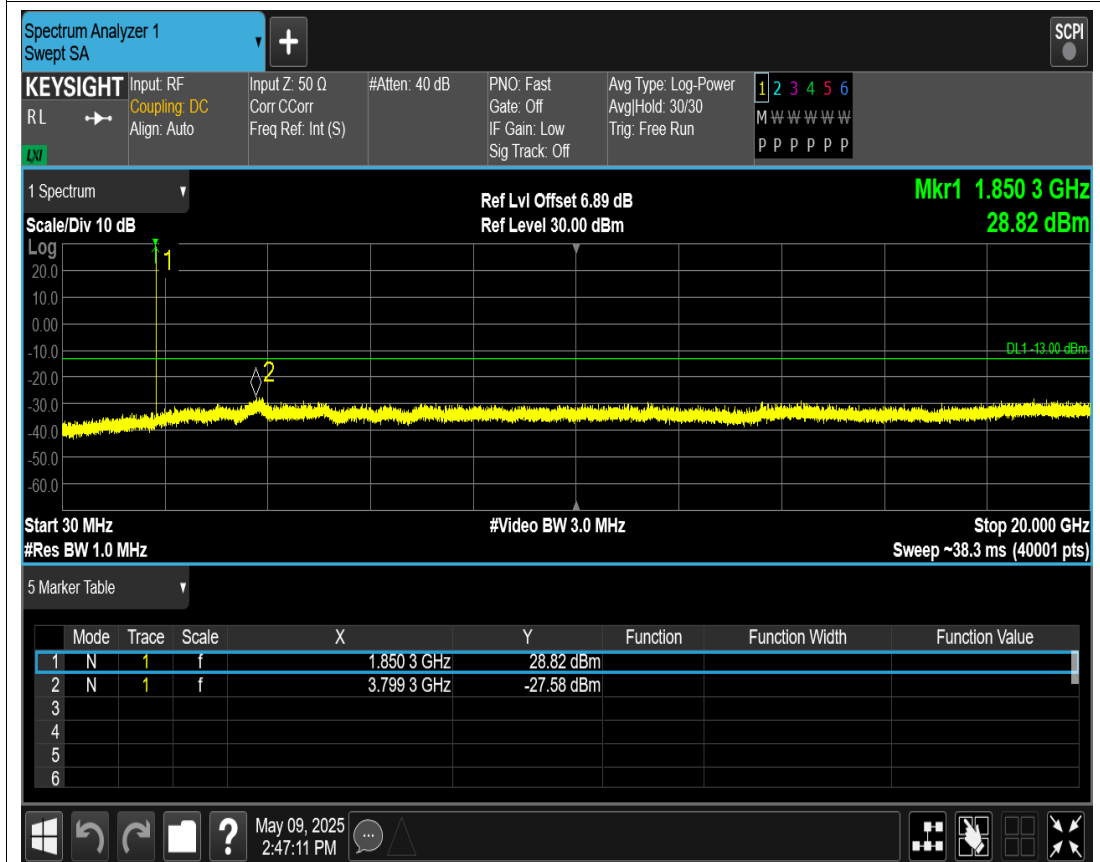
EGPRS850 Channel=128



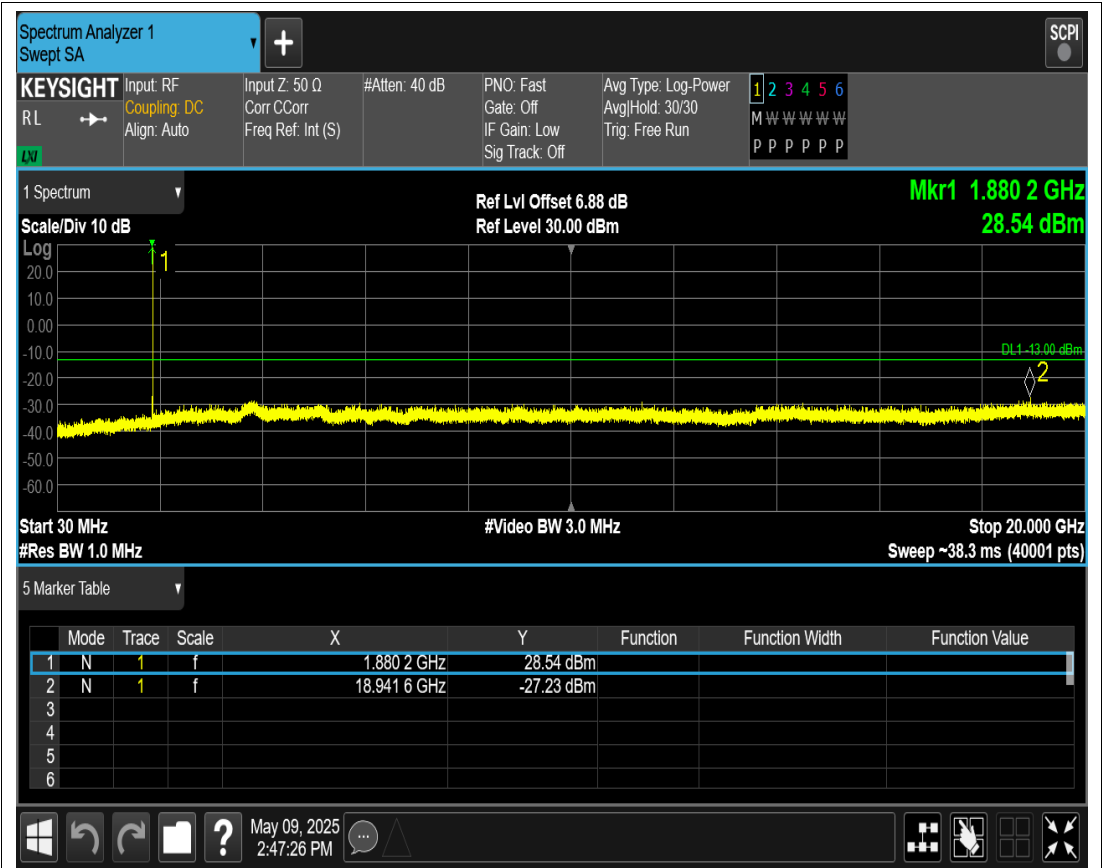
EGPRS850 Channel=190



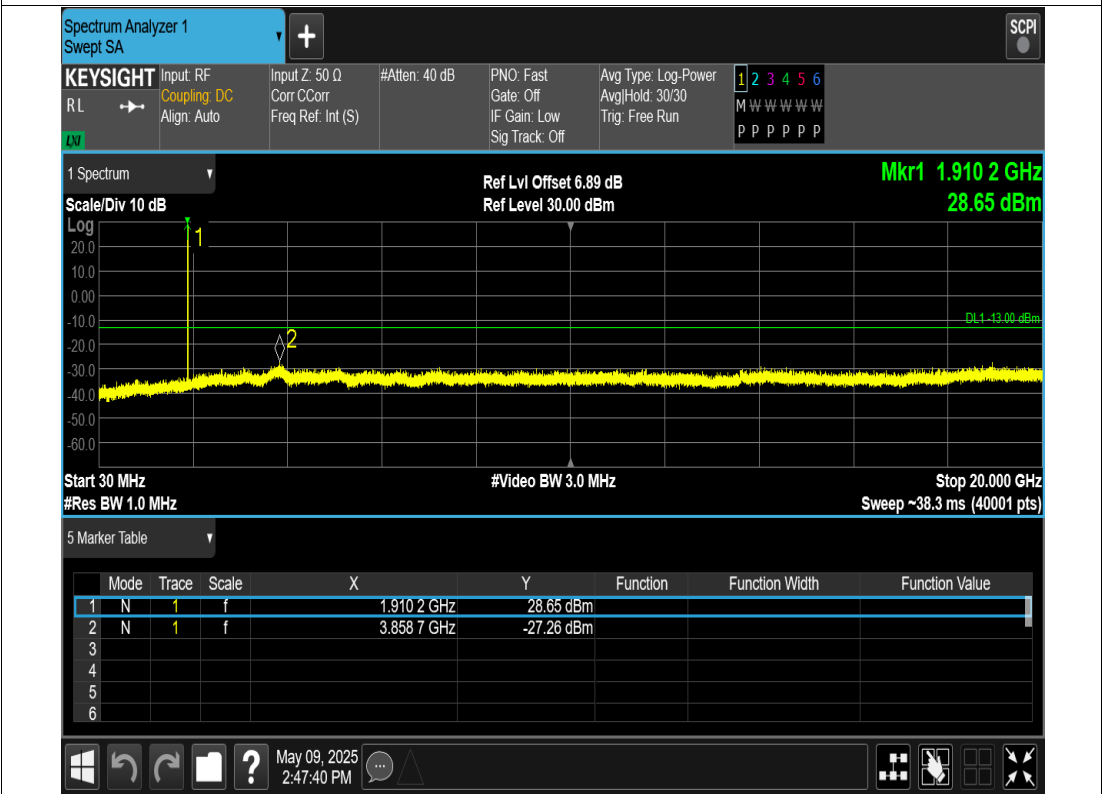
EGPRS850 Channel=251



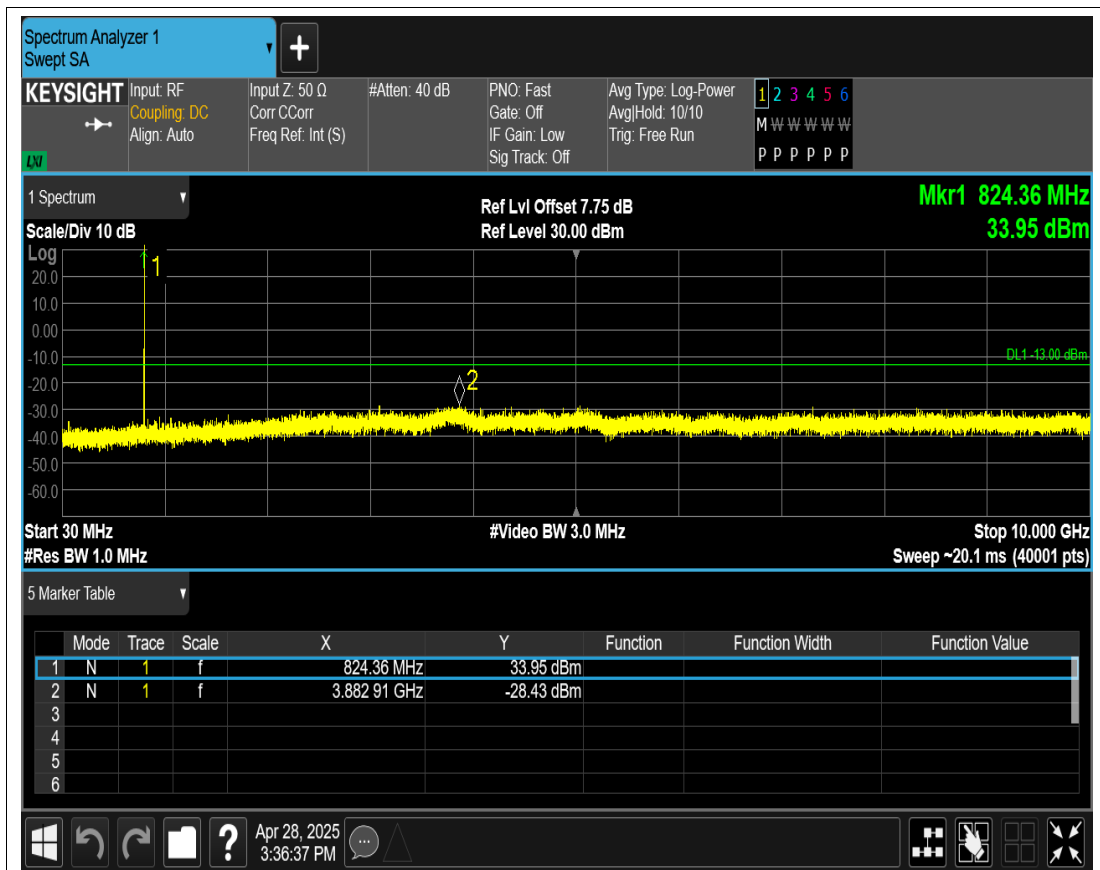
EGPRS1900 Channel=512



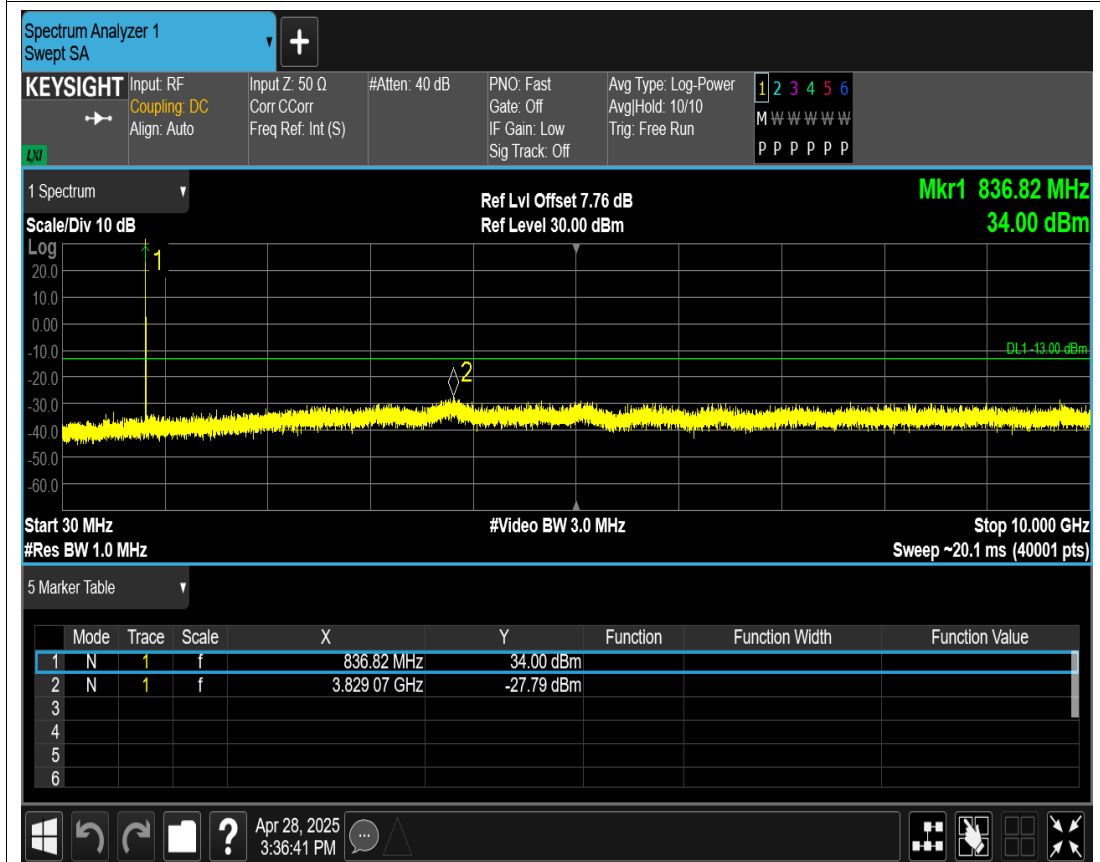
EGPRS1900 Channel=661



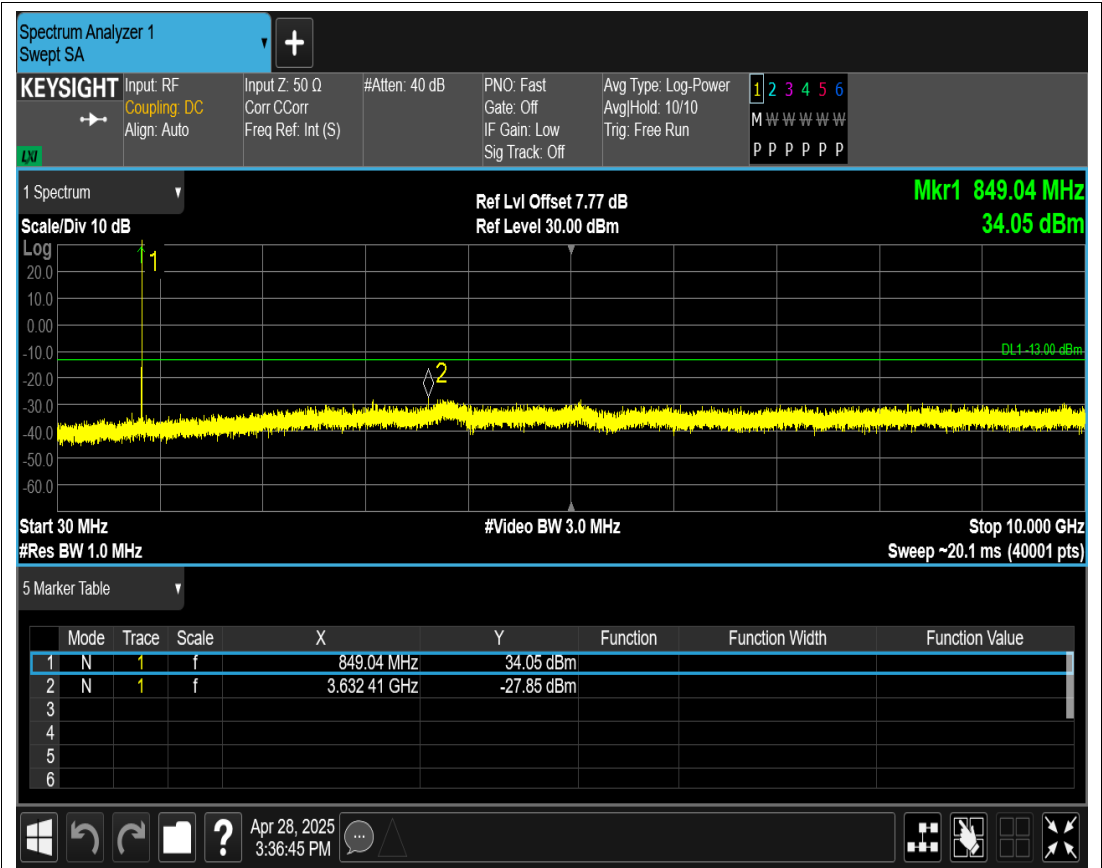
EGPRS1900 Channel=810



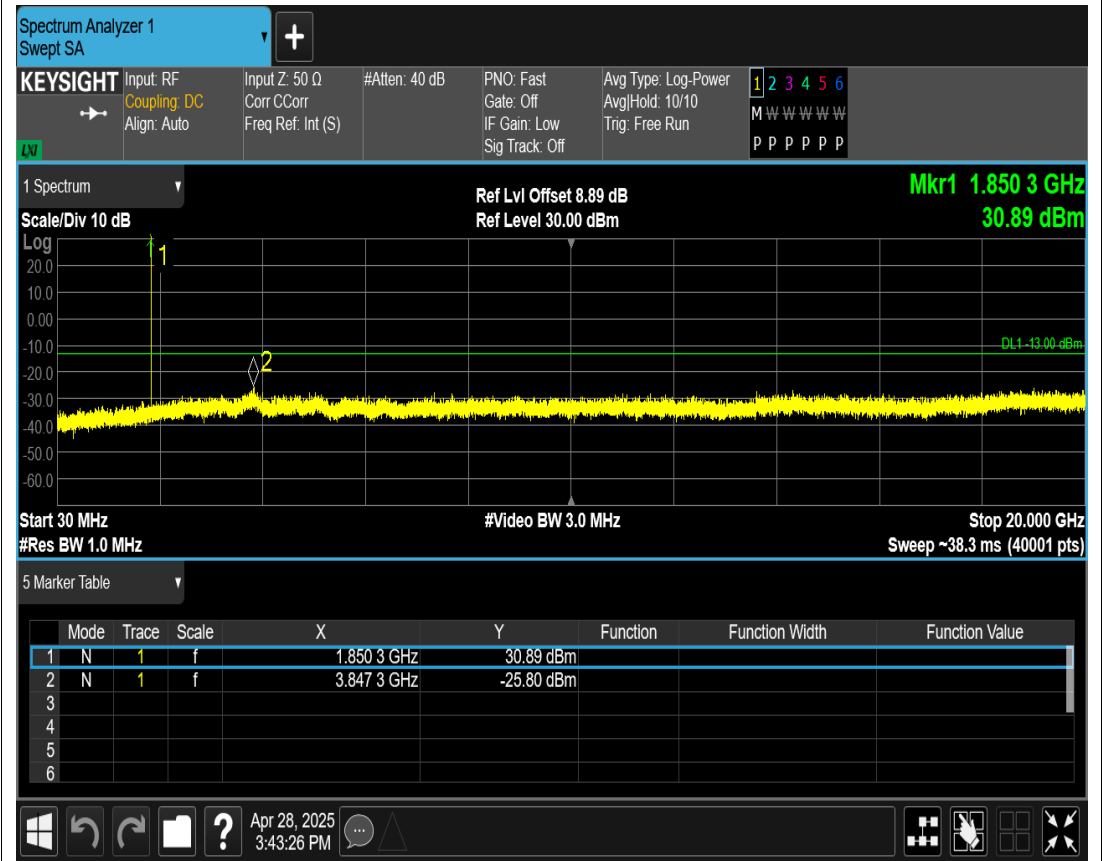
GSM850 Channel=128



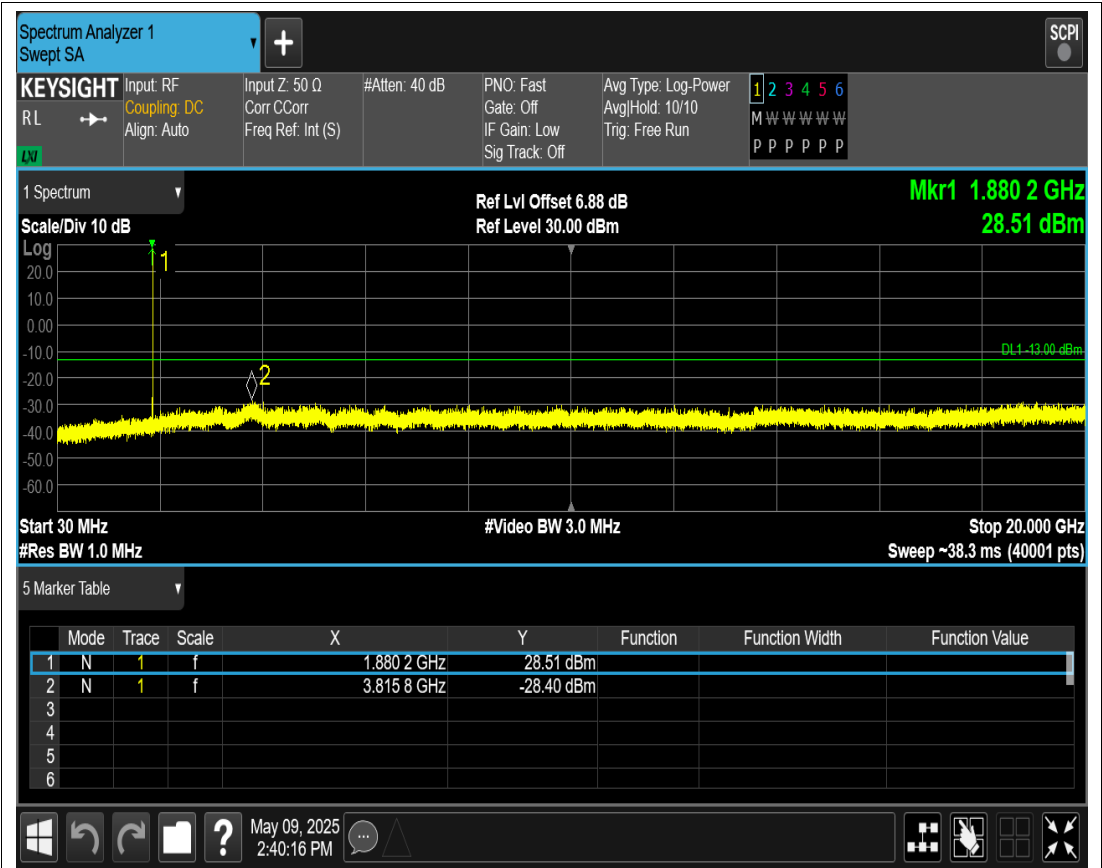
GSM850 Channel=190



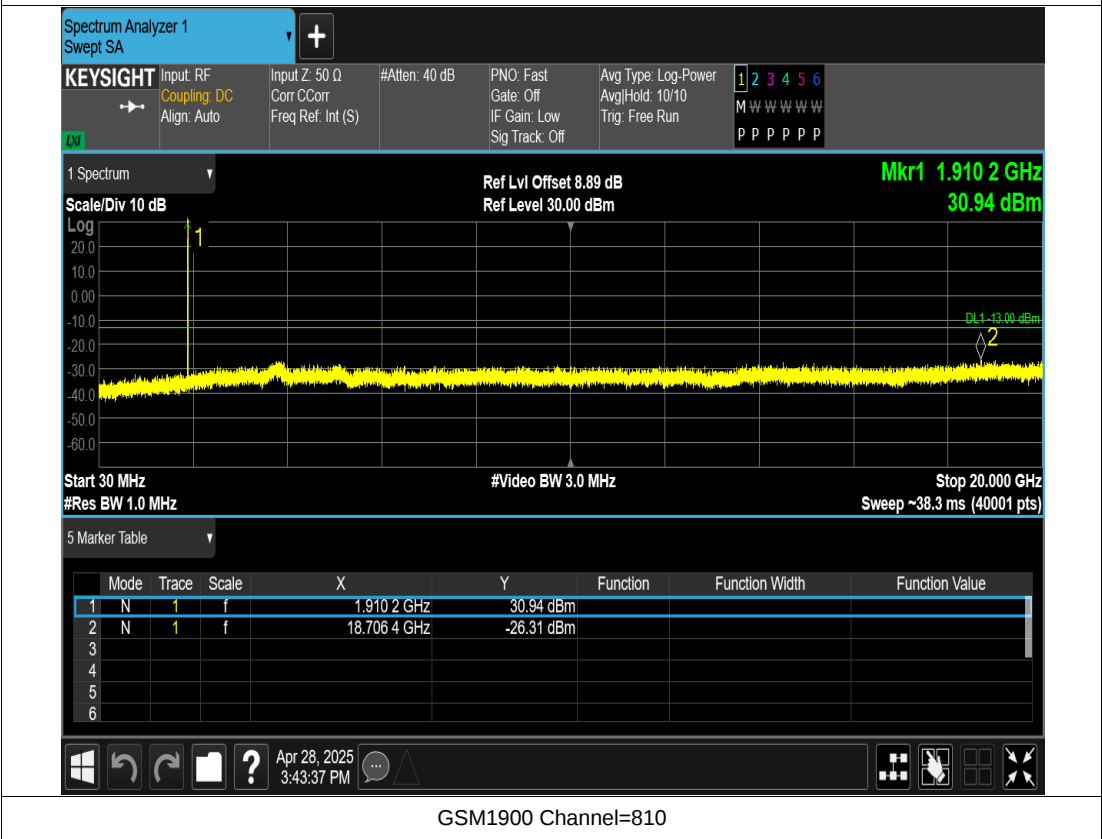
GSM850 Channel=251



GSM1900 Channel=512



GSM1900 Channel=661



GSM1900 Channel=810