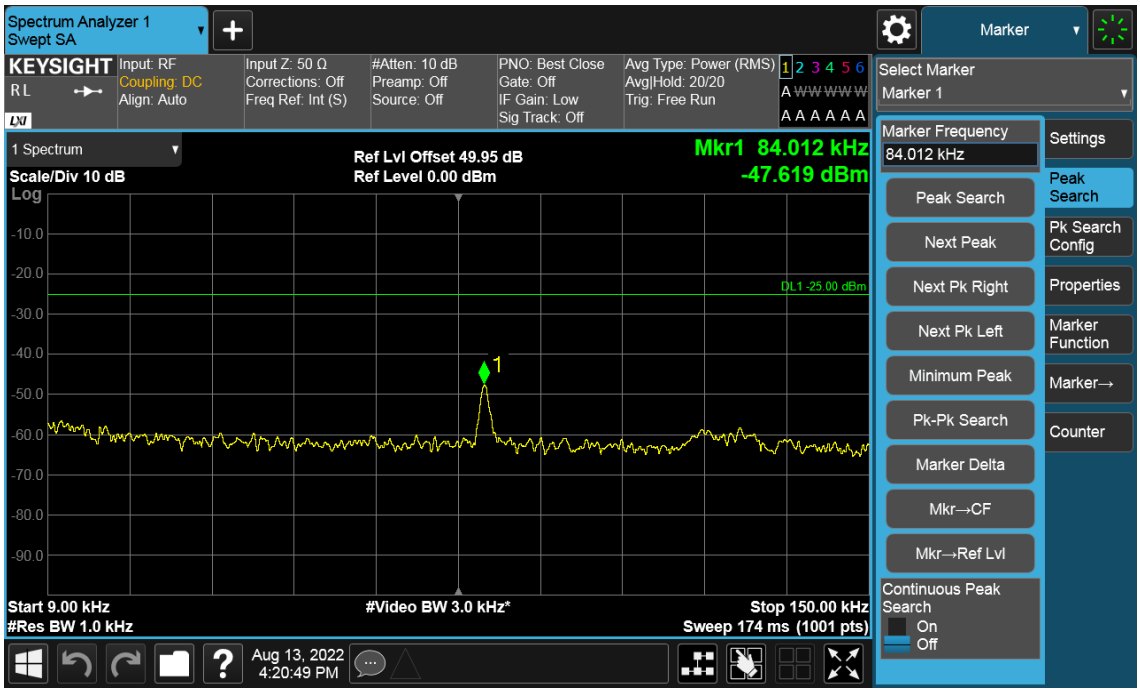
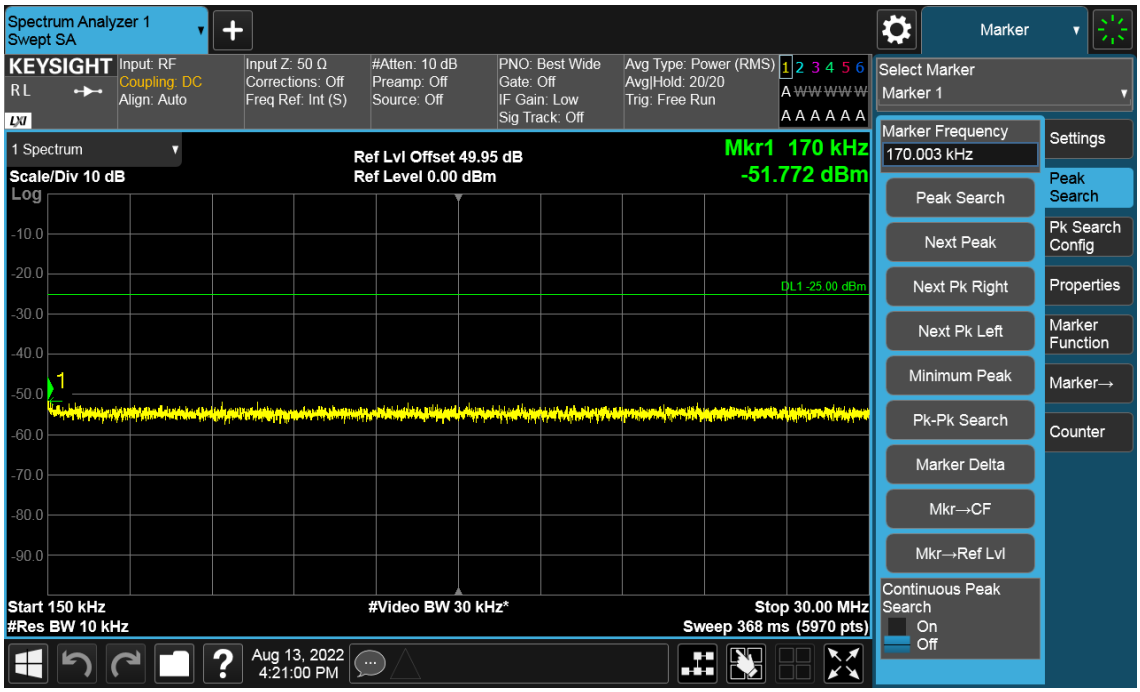
406.15MHz

9kHz~150kHz

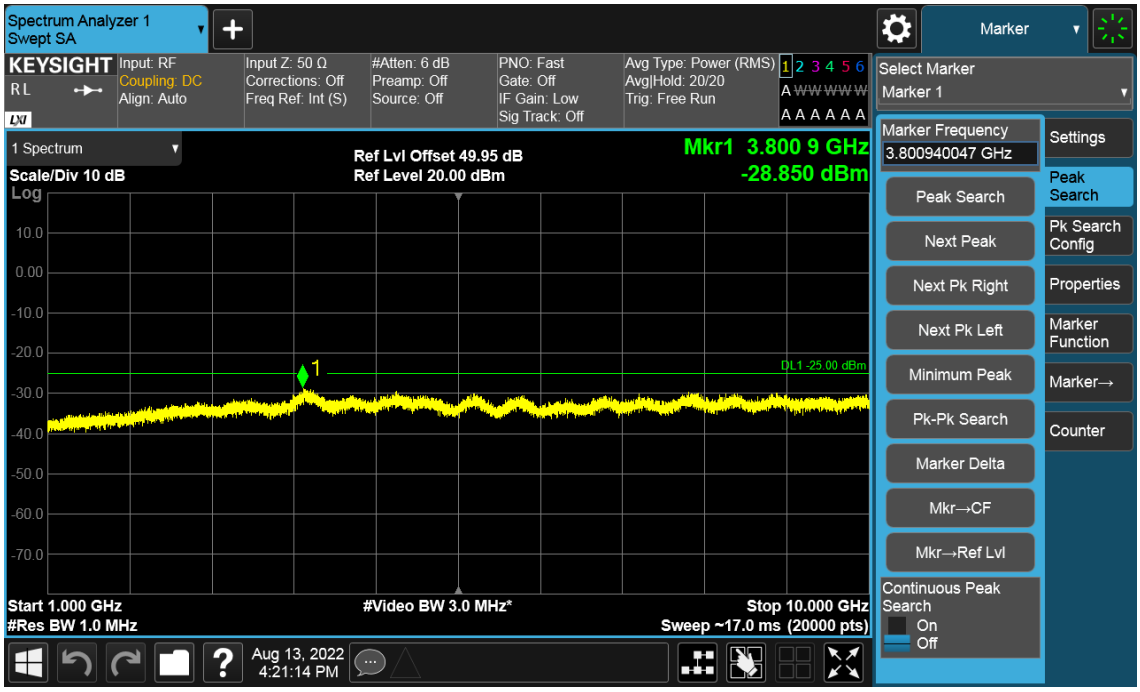


150kHz~30MHz



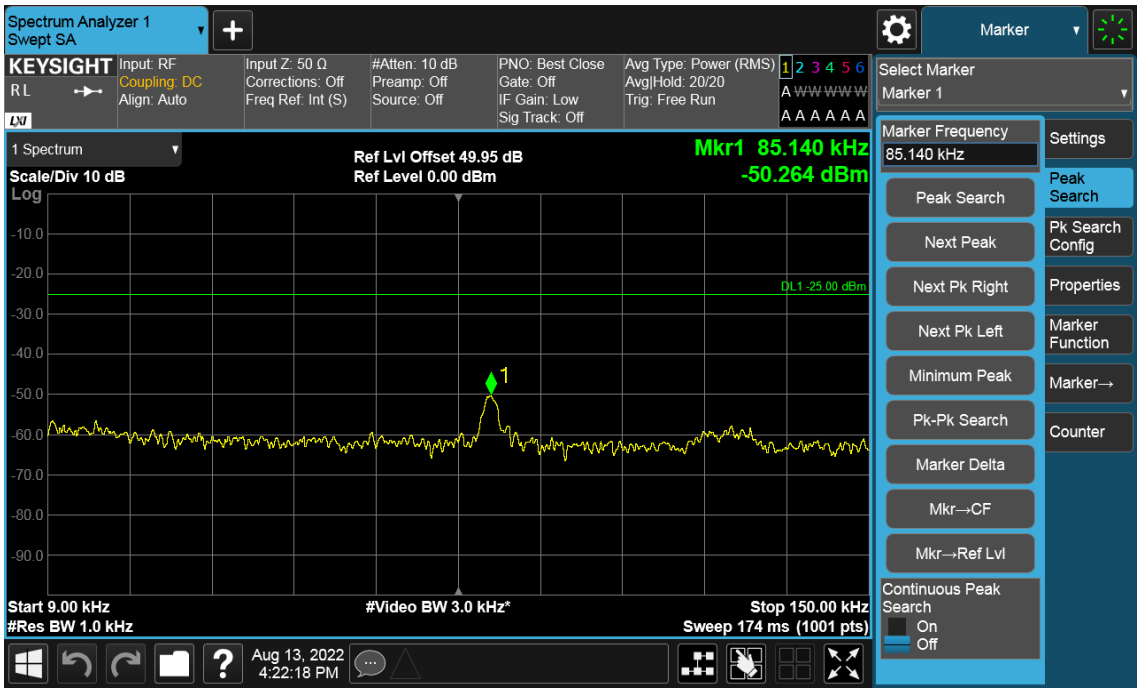
30MHz~1GHz

1GHz~10GHz

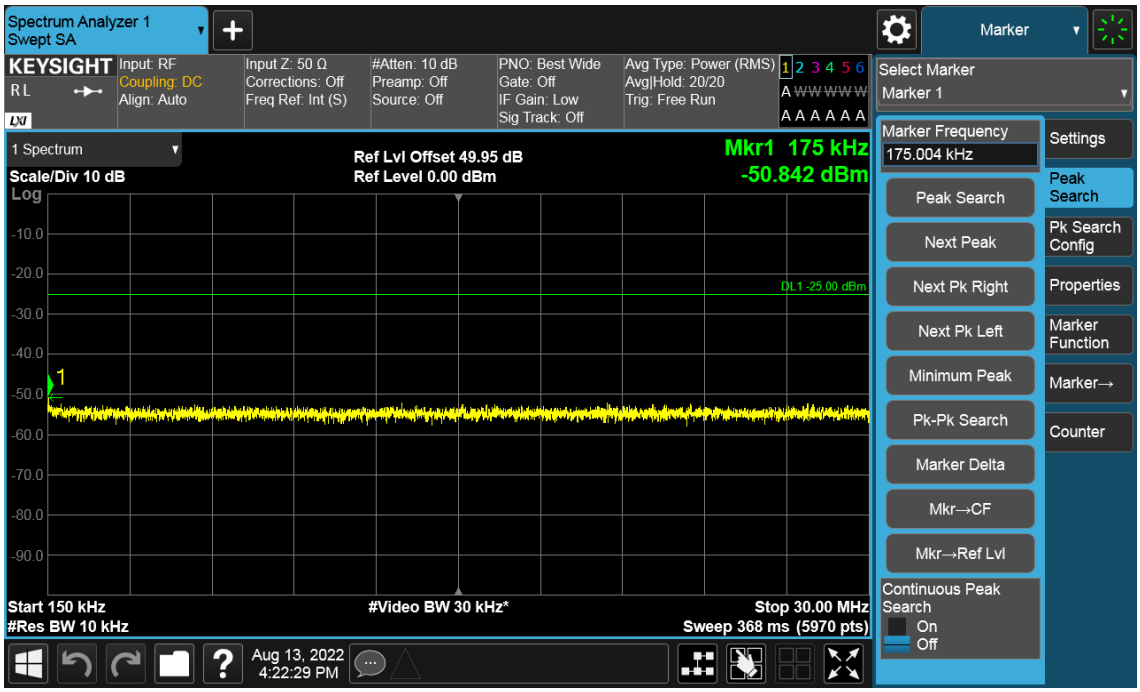


429.95MHz

9kHz~150kHz

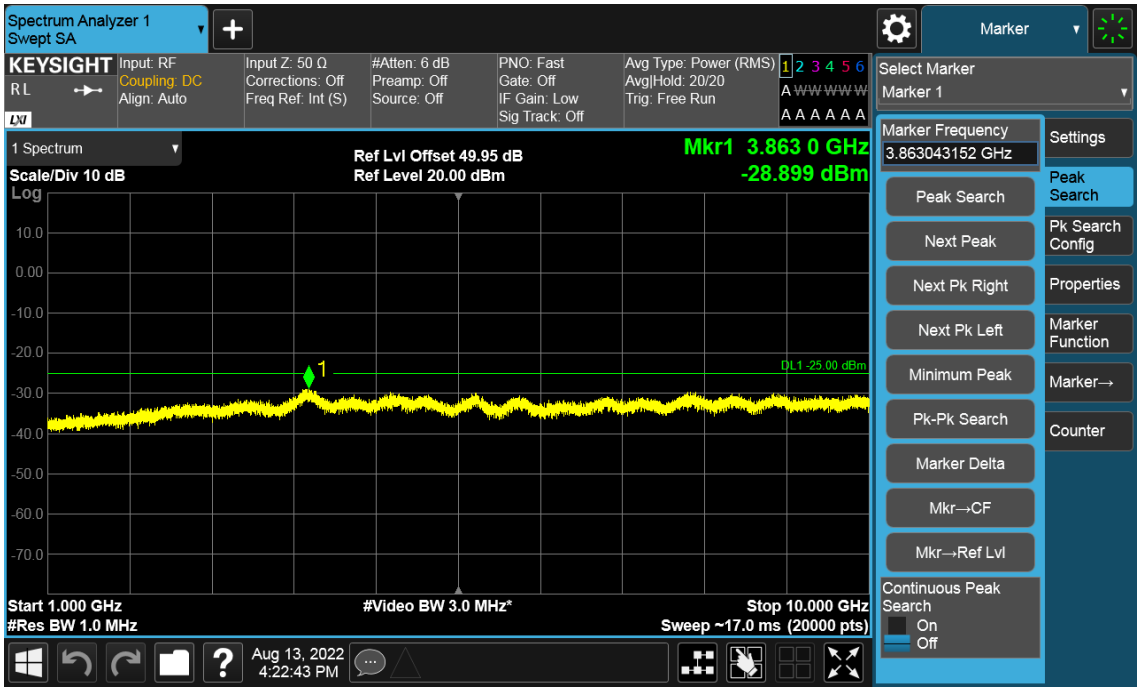


150kHz~30MHz



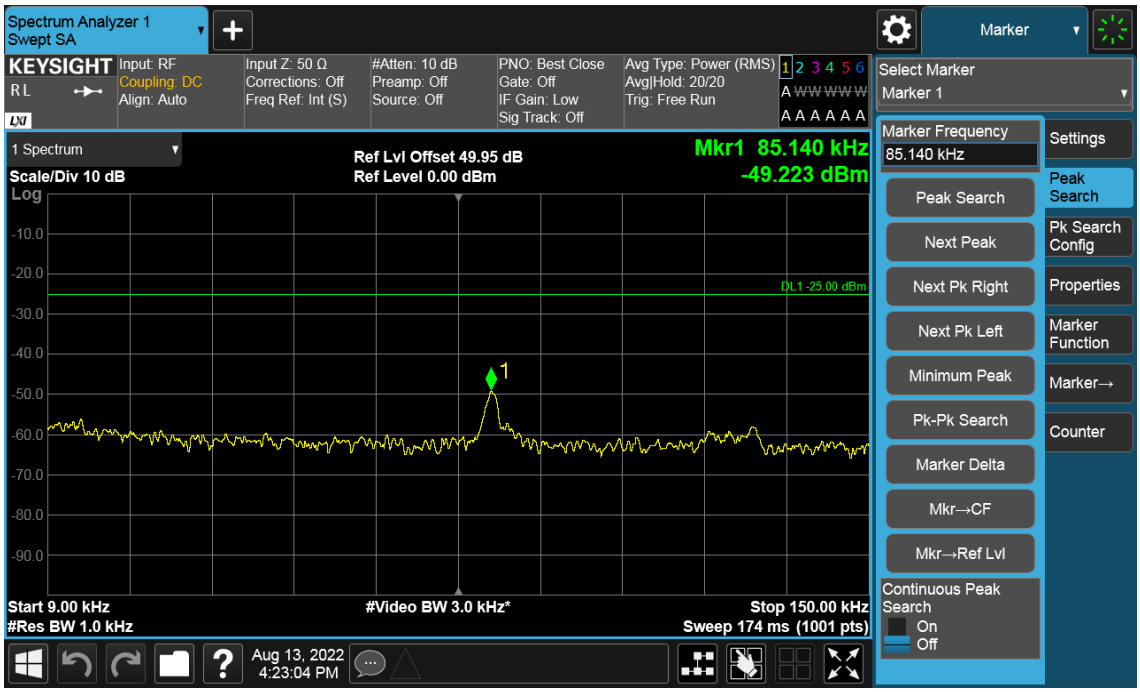
30MHz~1GHz

1GHz~10GHz

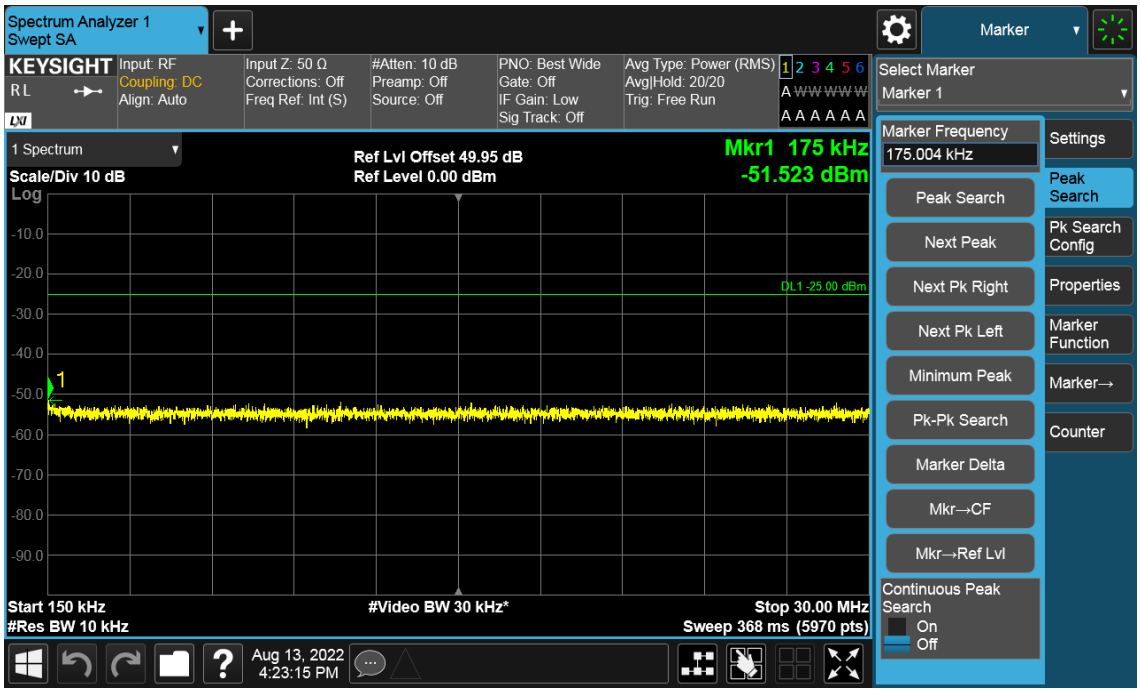


469.95MHz

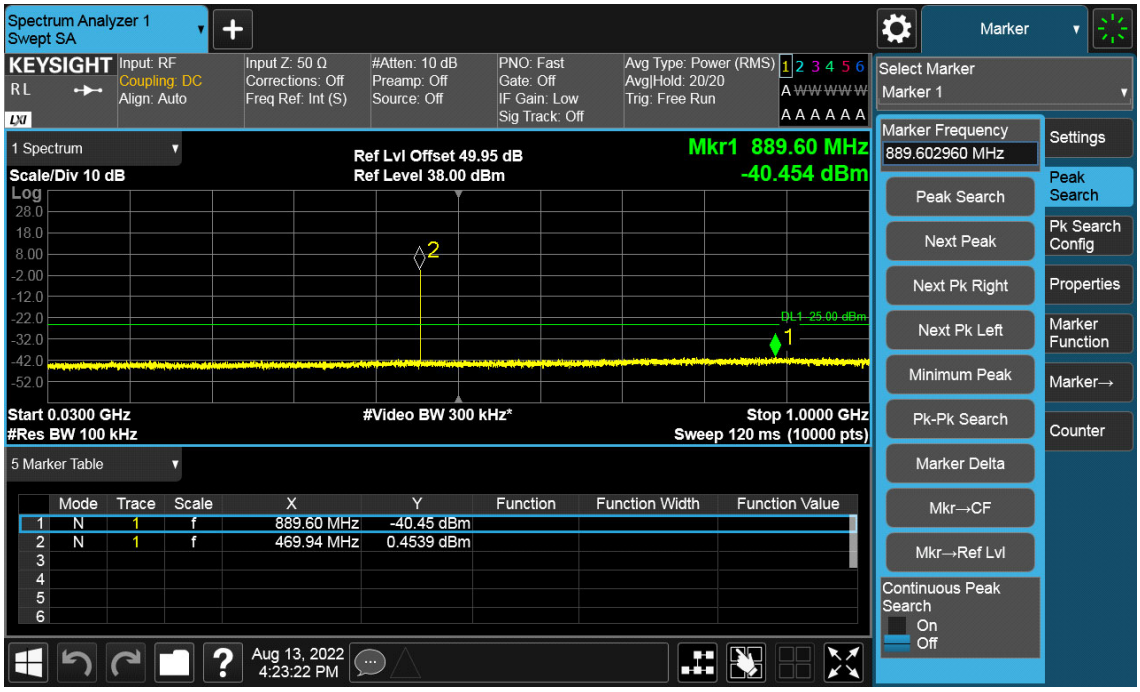
9kHz~150kHz



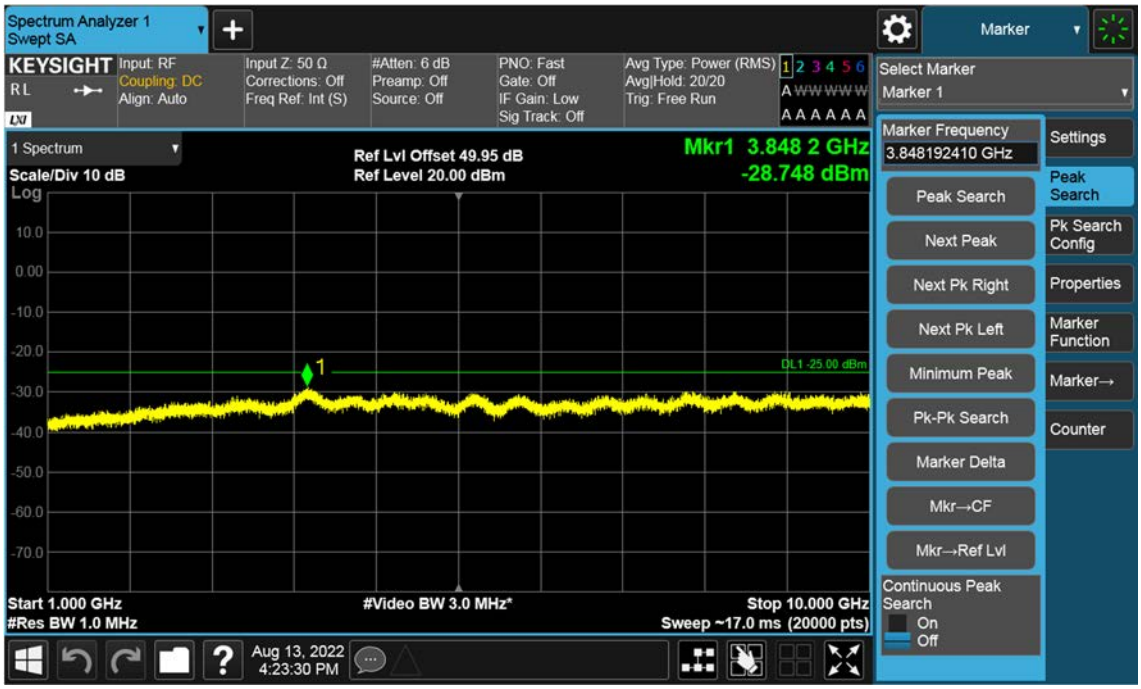
150kHz~30MHz



30MHz~1GHz

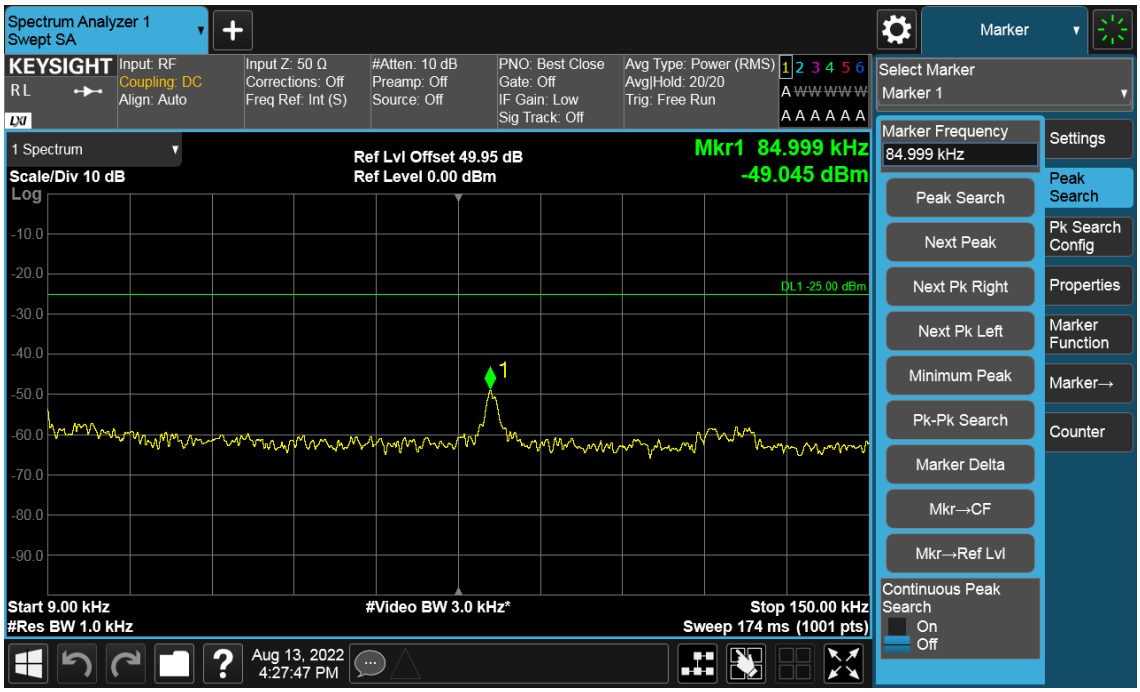


1GHz~10GHz

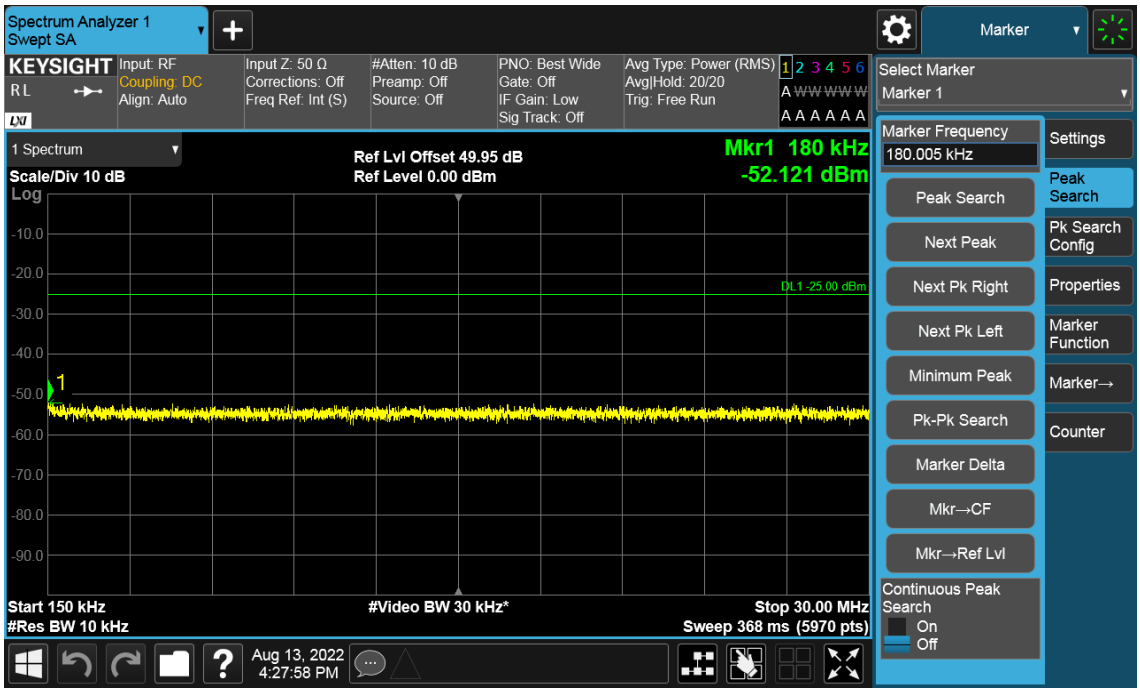


511.95MHz

9kHz~150kHz

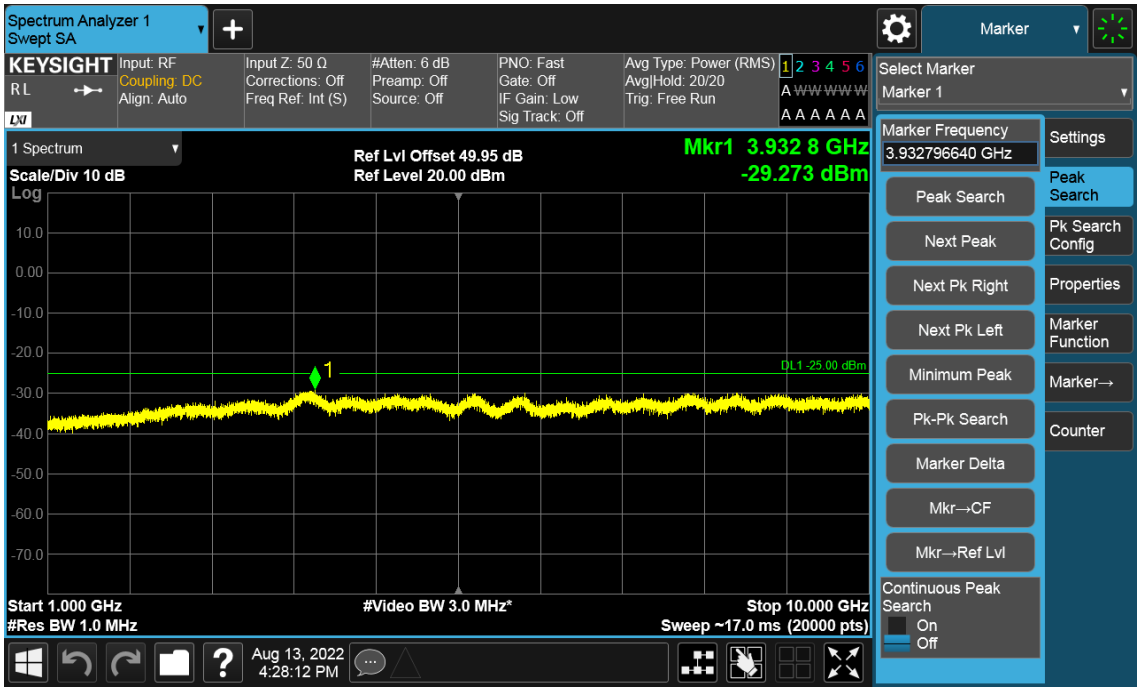


150kHz~30MHz



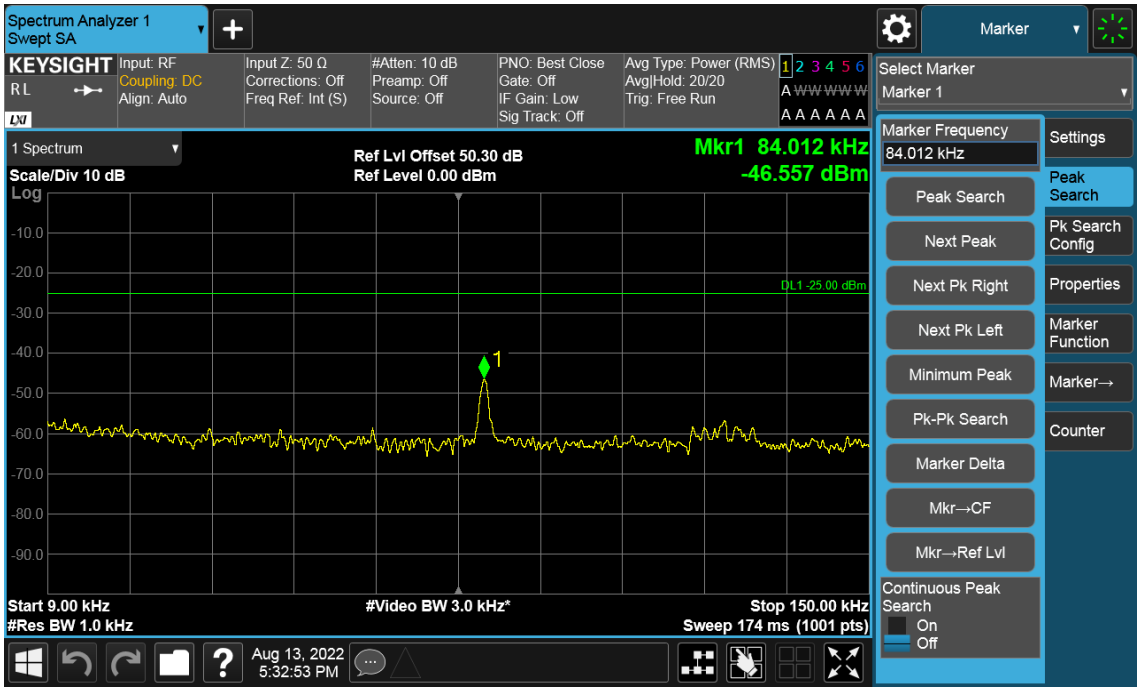
30MHz~1GHz

1GHz~10GHz

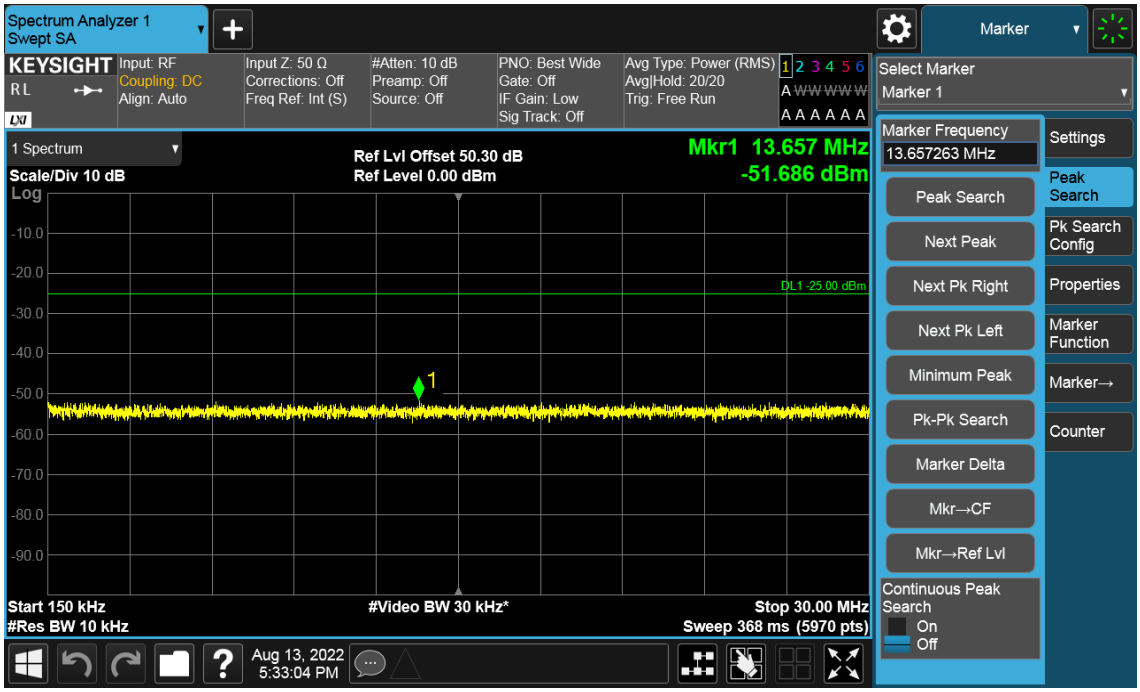


768.05MHz

9kHz~150kHz

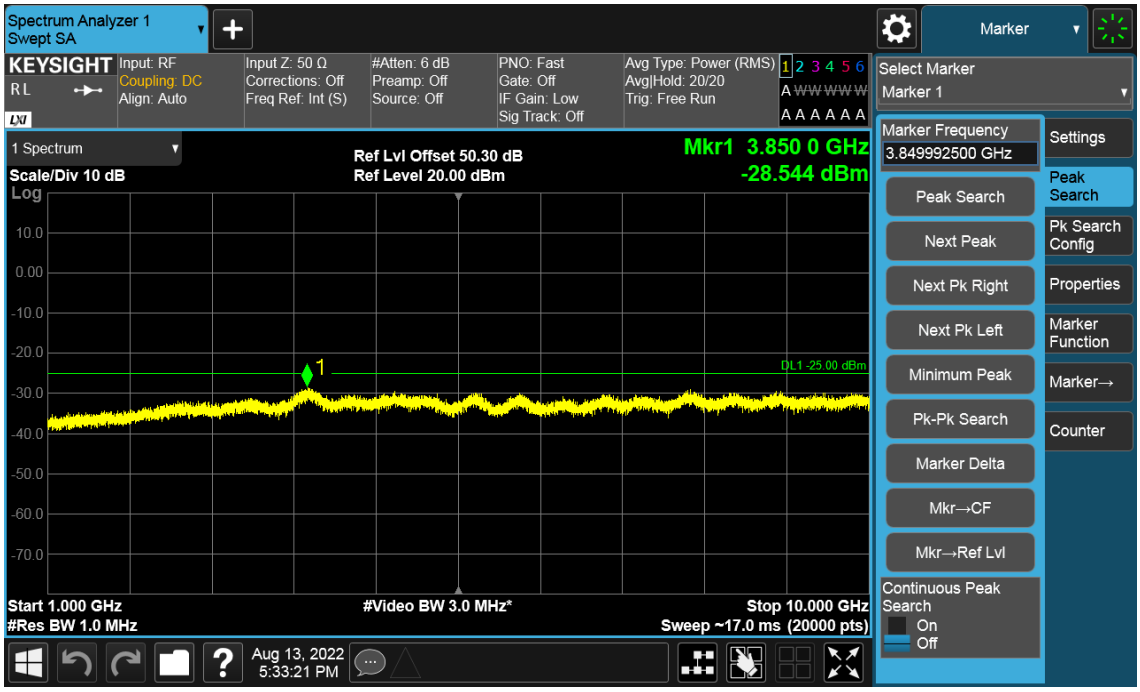


150kHz~30MHz



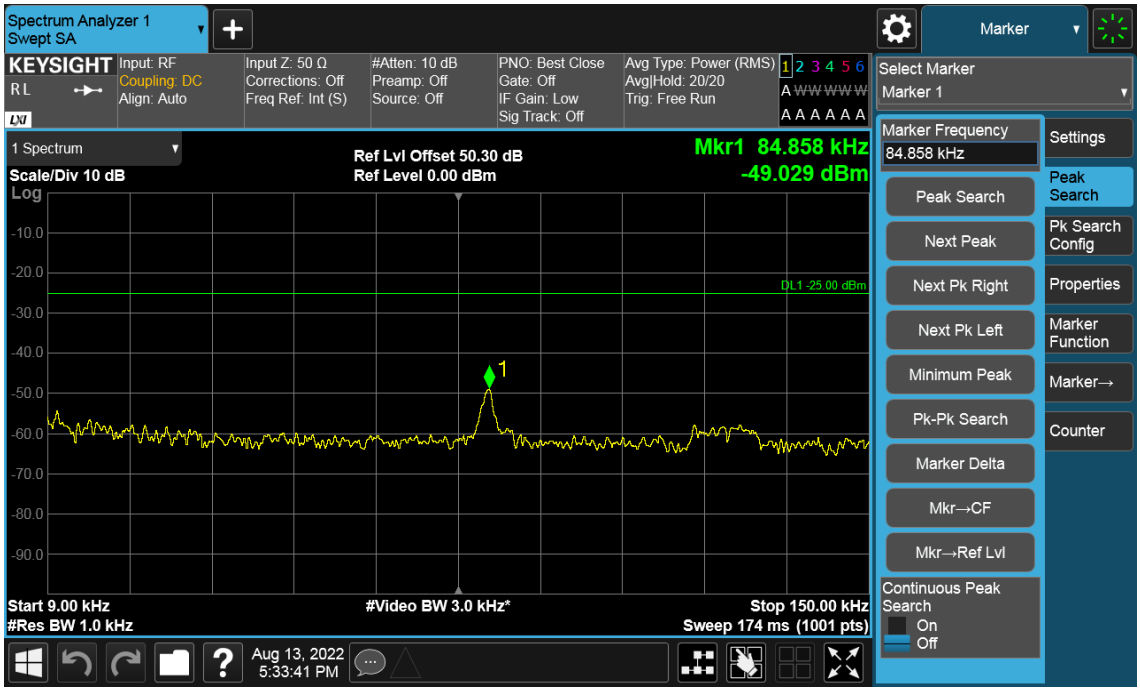
30MHz~1GHz

1GHz~10GHz

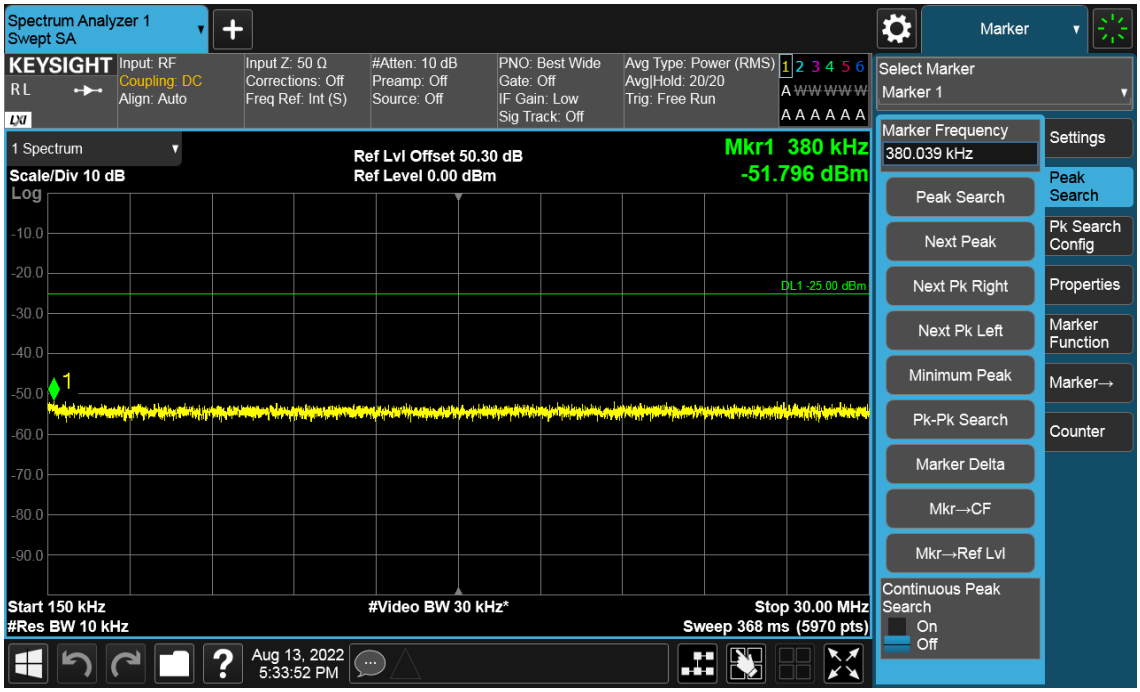


769.05MHz

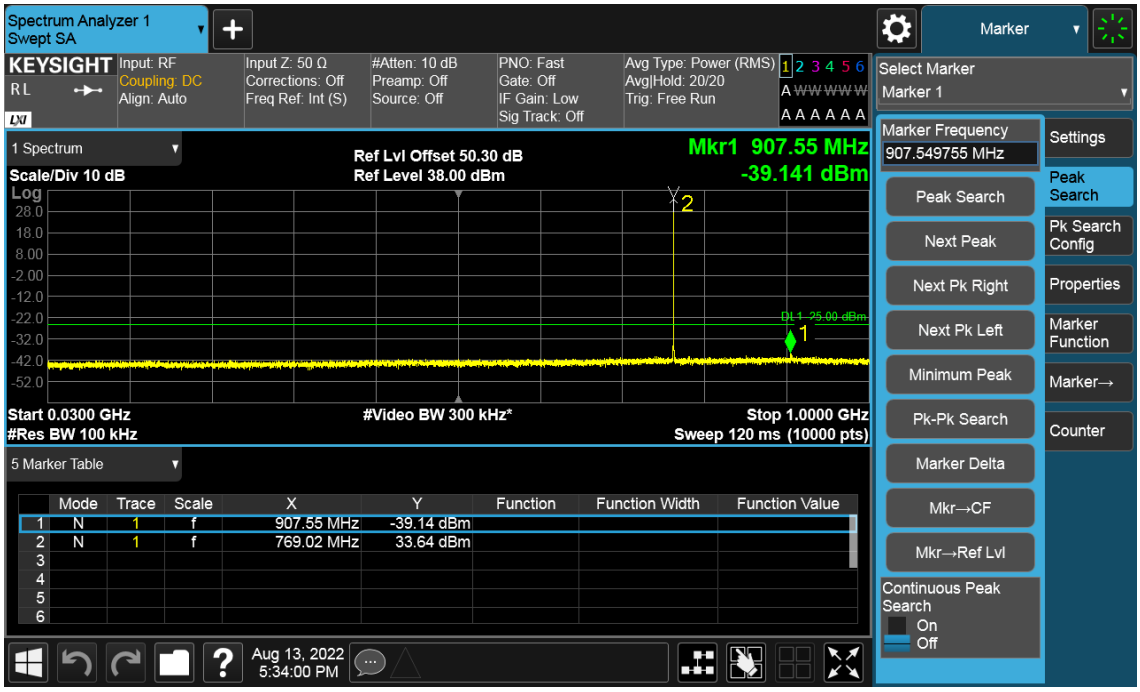
9kHz~150kHz



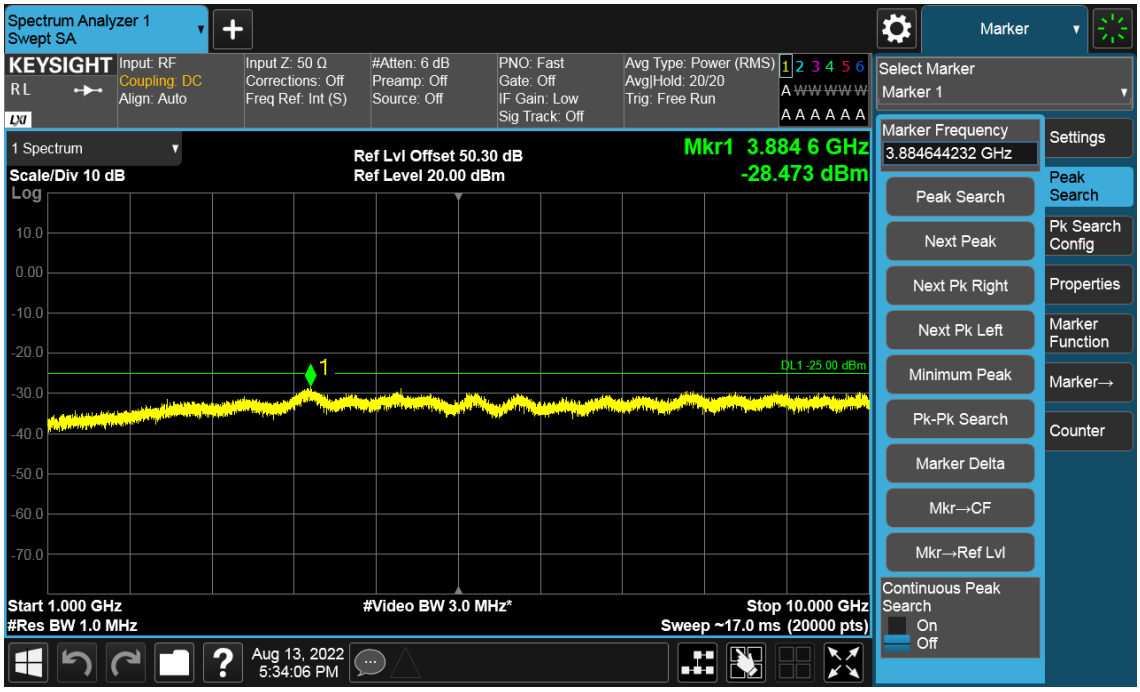
150kHz~30MHz



30MHz~1GHz

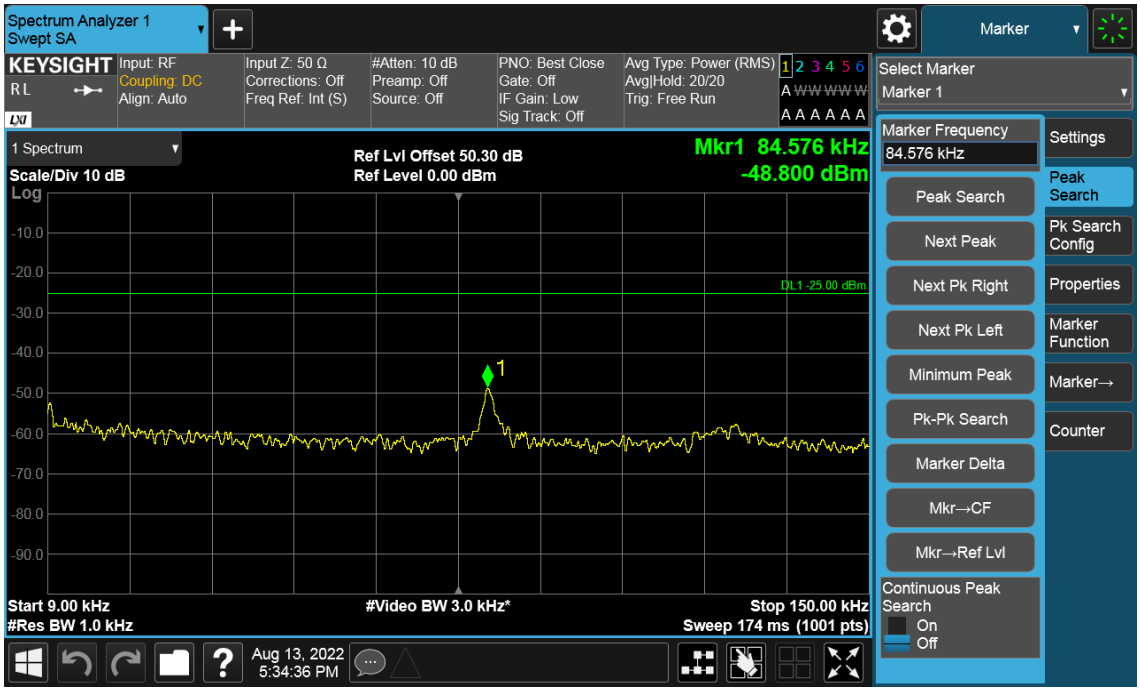


1GHz~10GHz

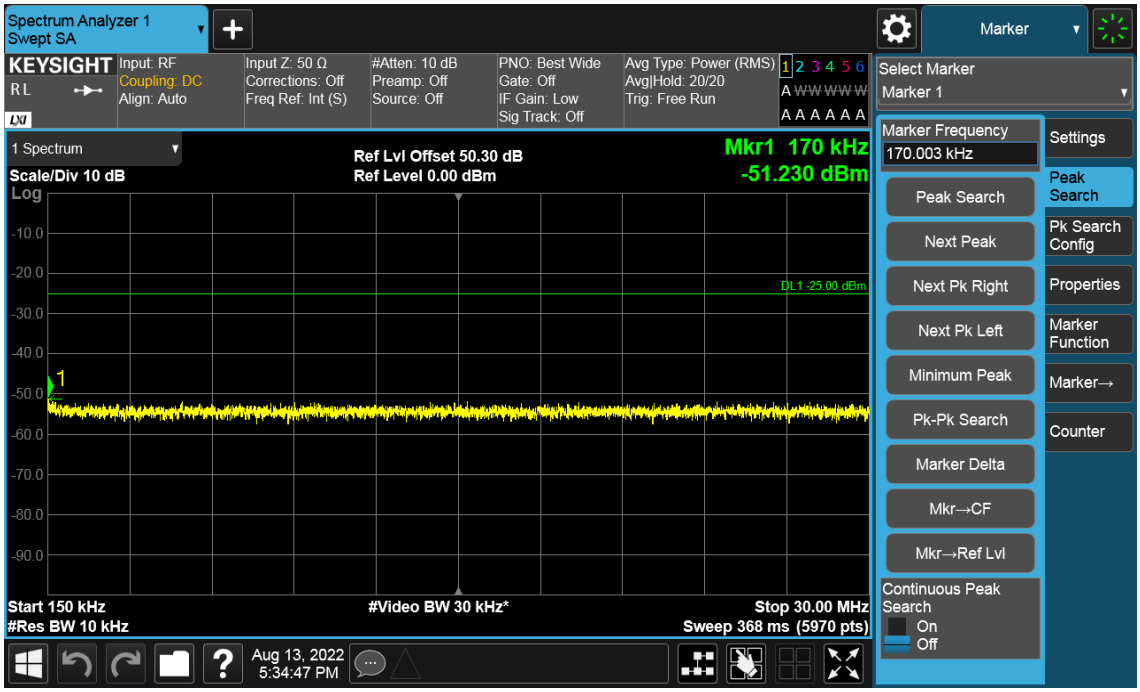


774.95MHz

9kHz~150kHz

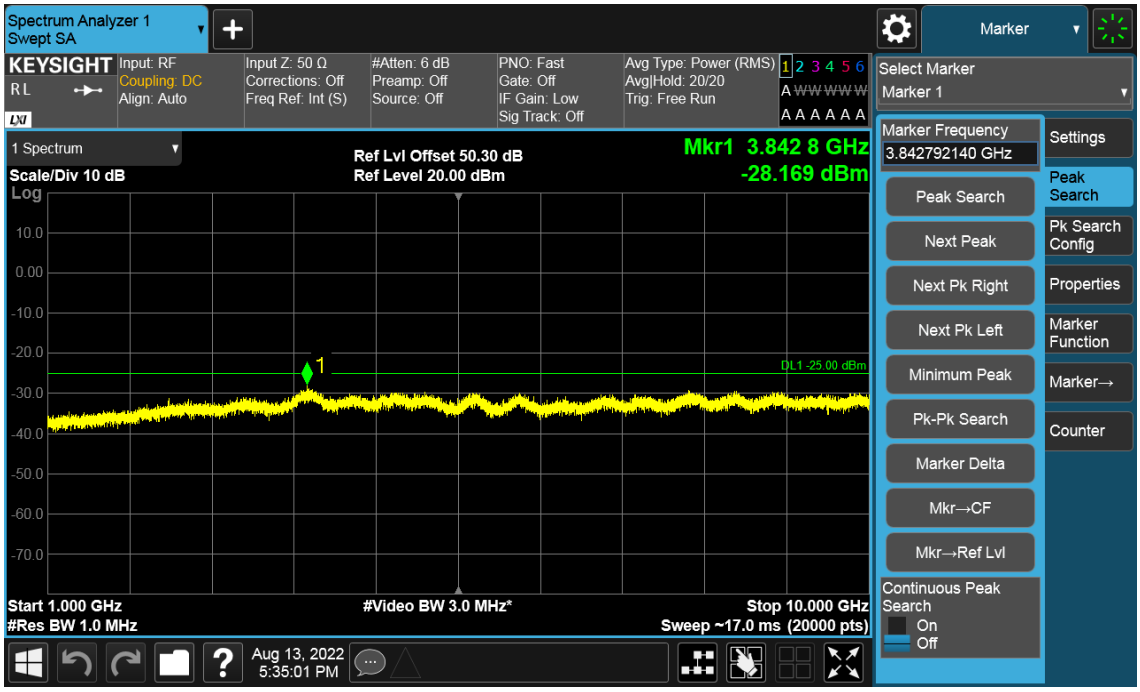


150kHz~30MHz



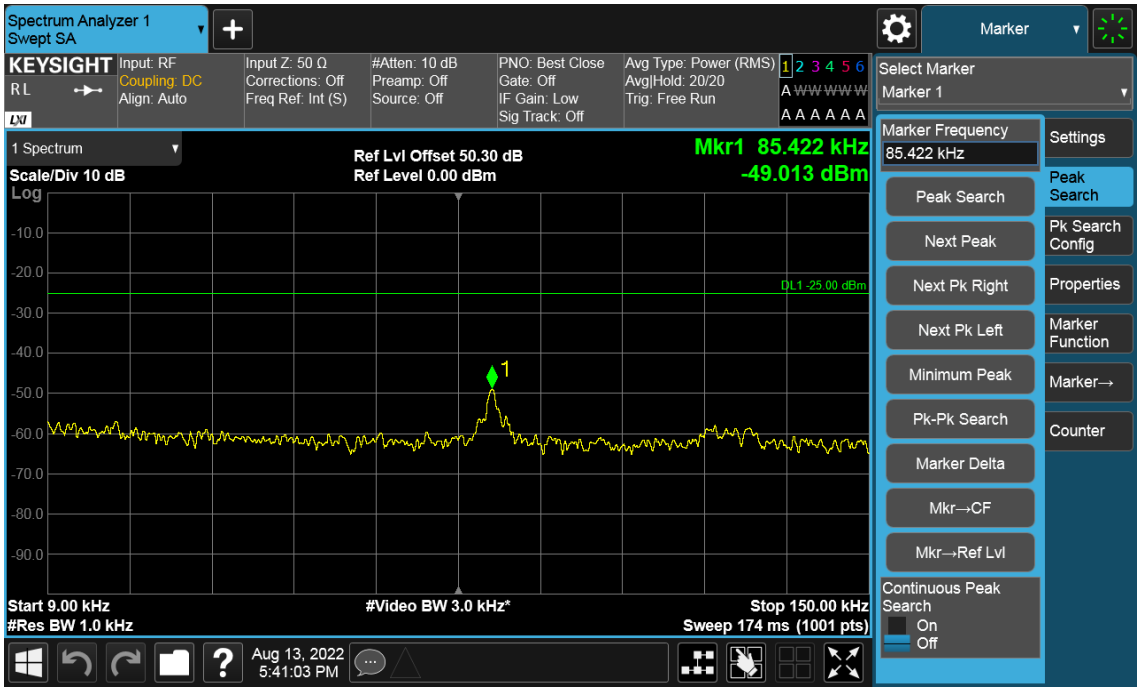
30MHz~1GHz

1GHz~10GHz

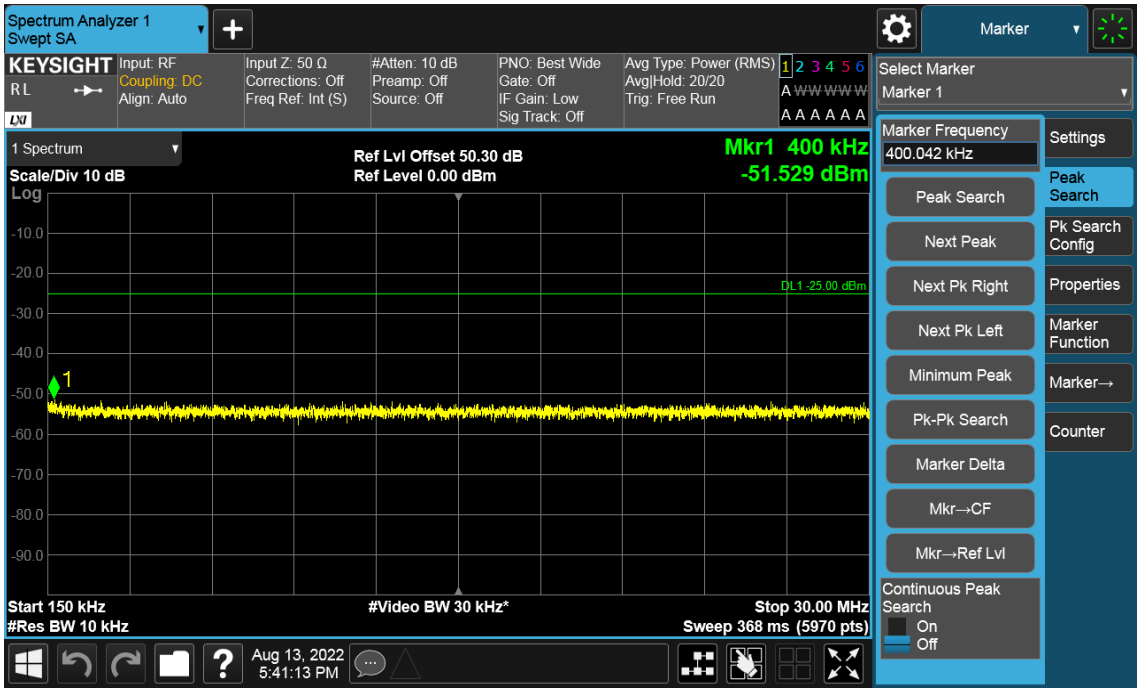


775.95MHz

9kHz~150kHz

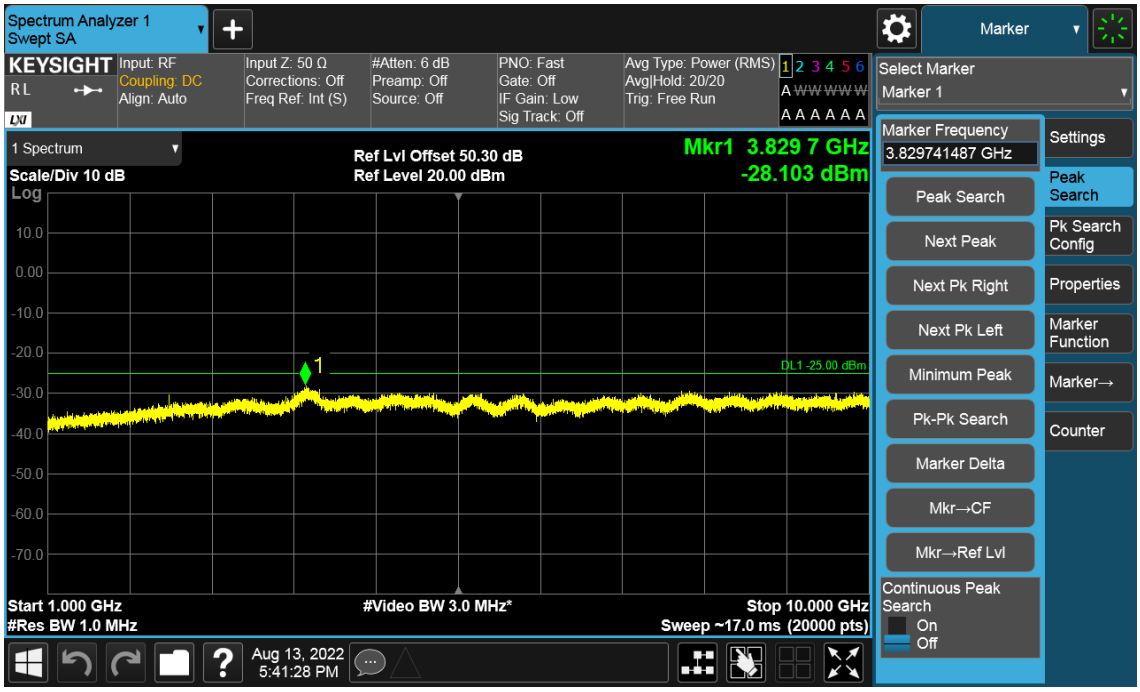


150kHz~30MHz



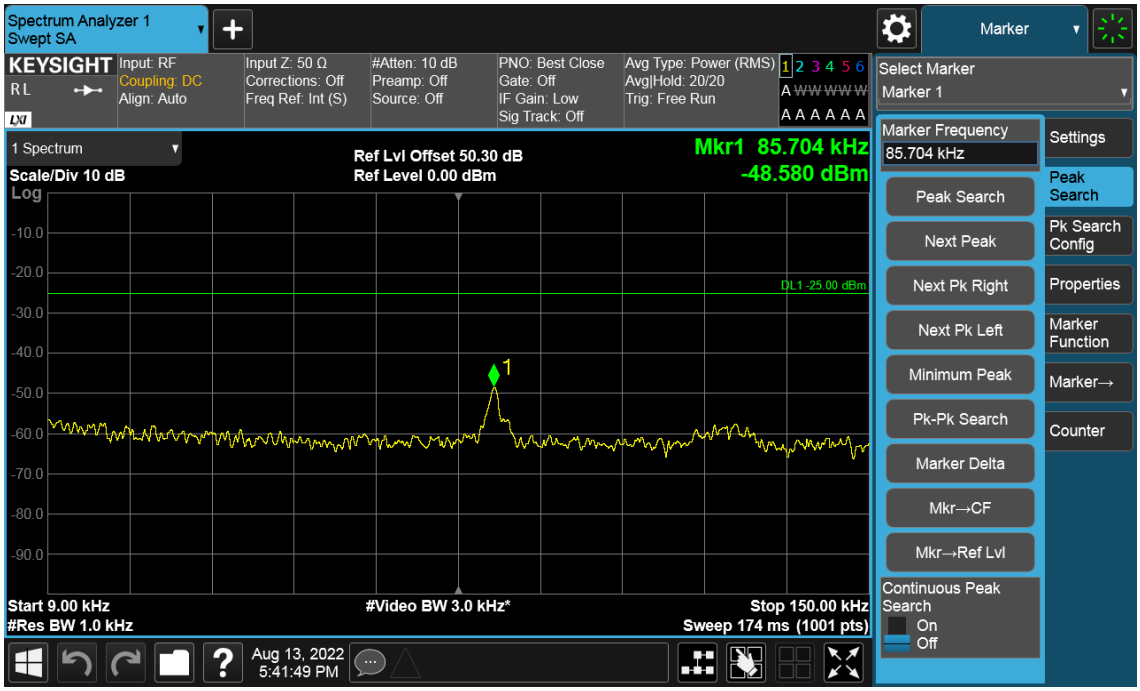
30MHz~1GHz

1GHz~10GHz

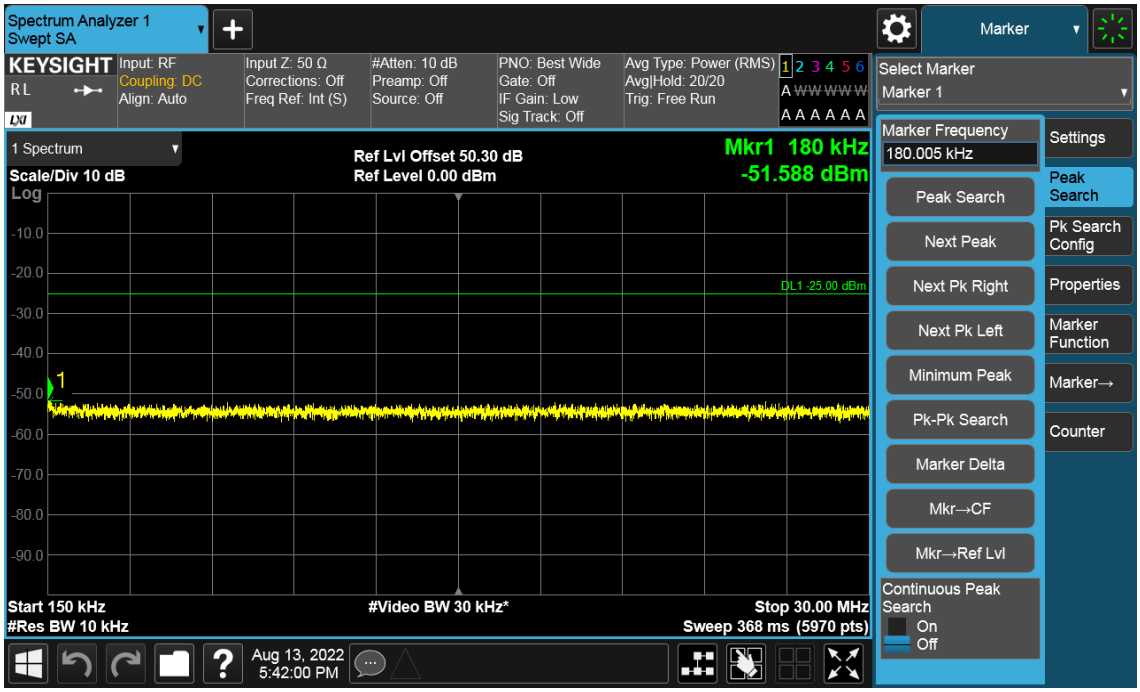


798.05MHz

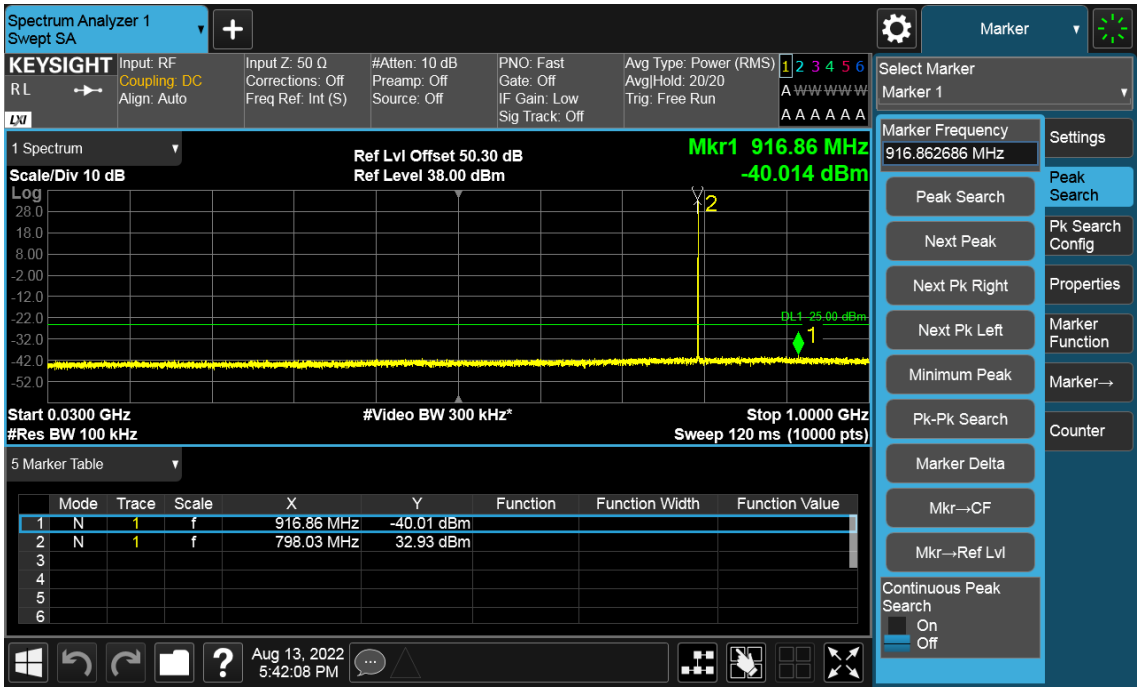
9kHz~150kHz



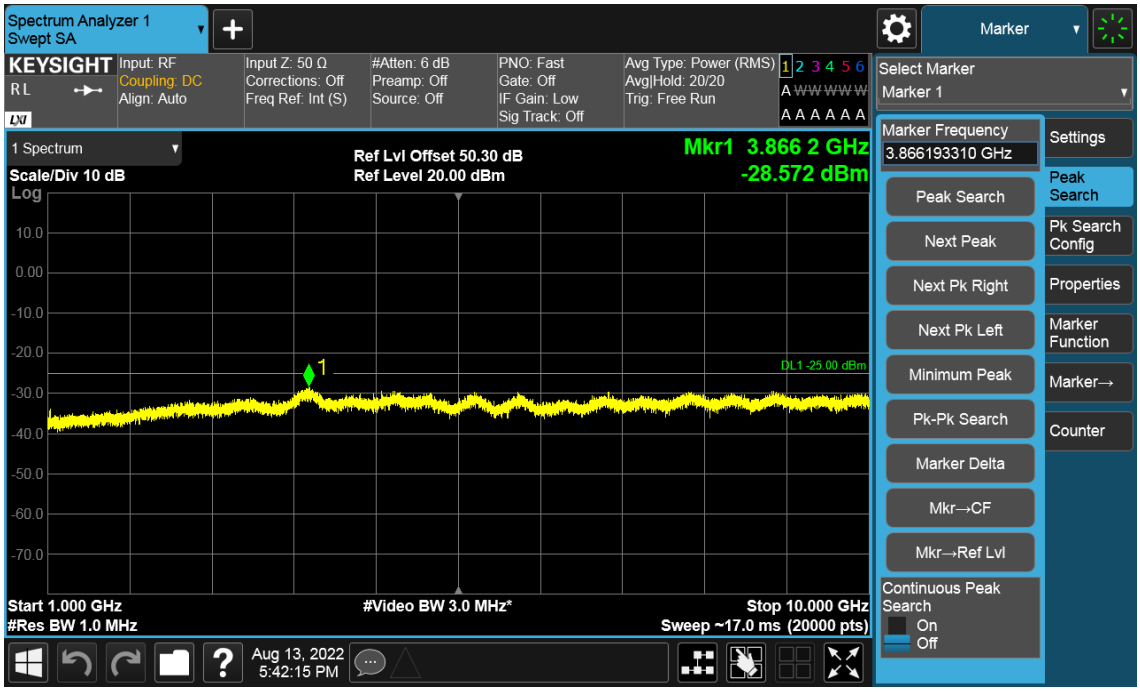
150kHz~30MHz



30MHz~1GHz

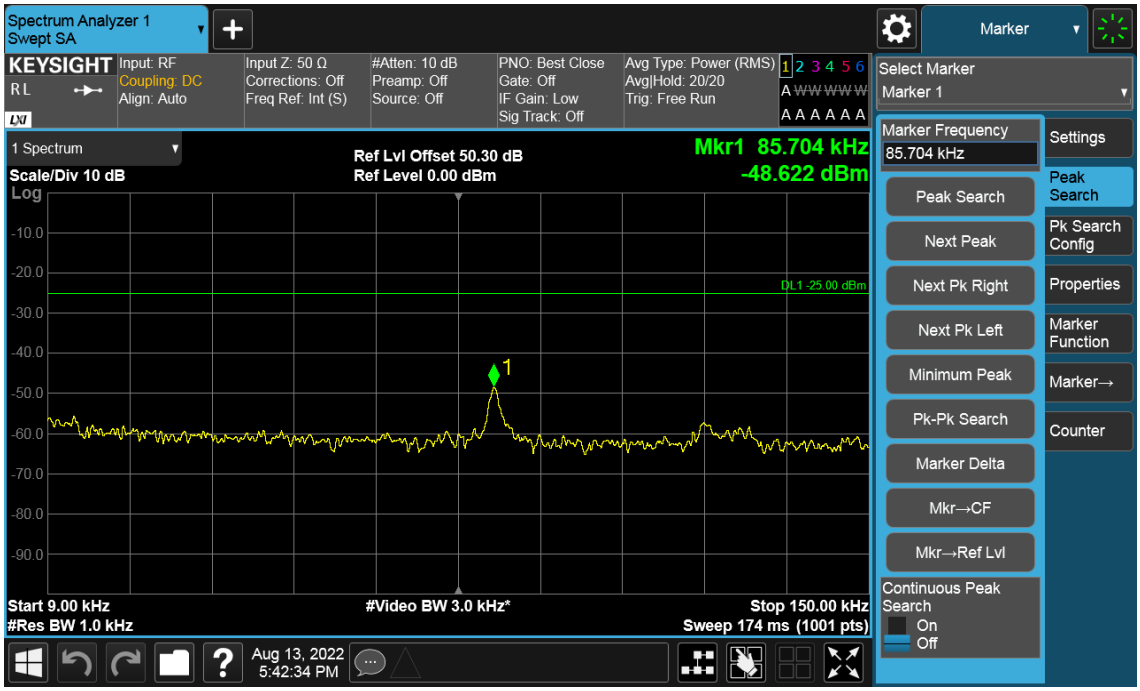


1GHz~10GHz

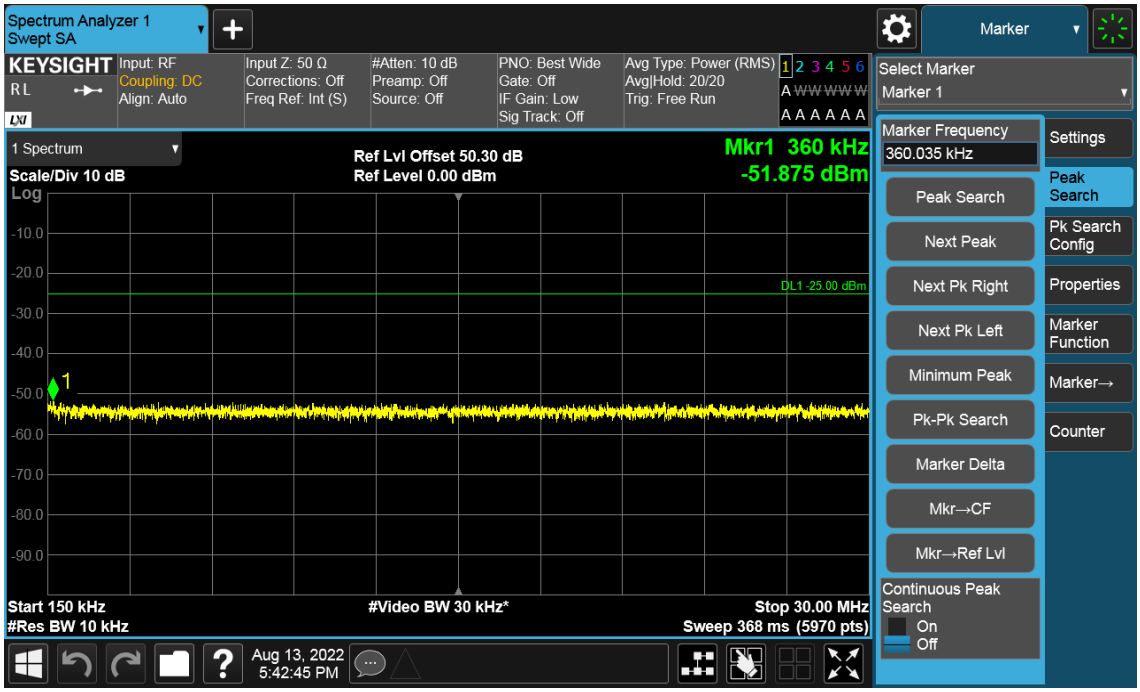


799.05MHz

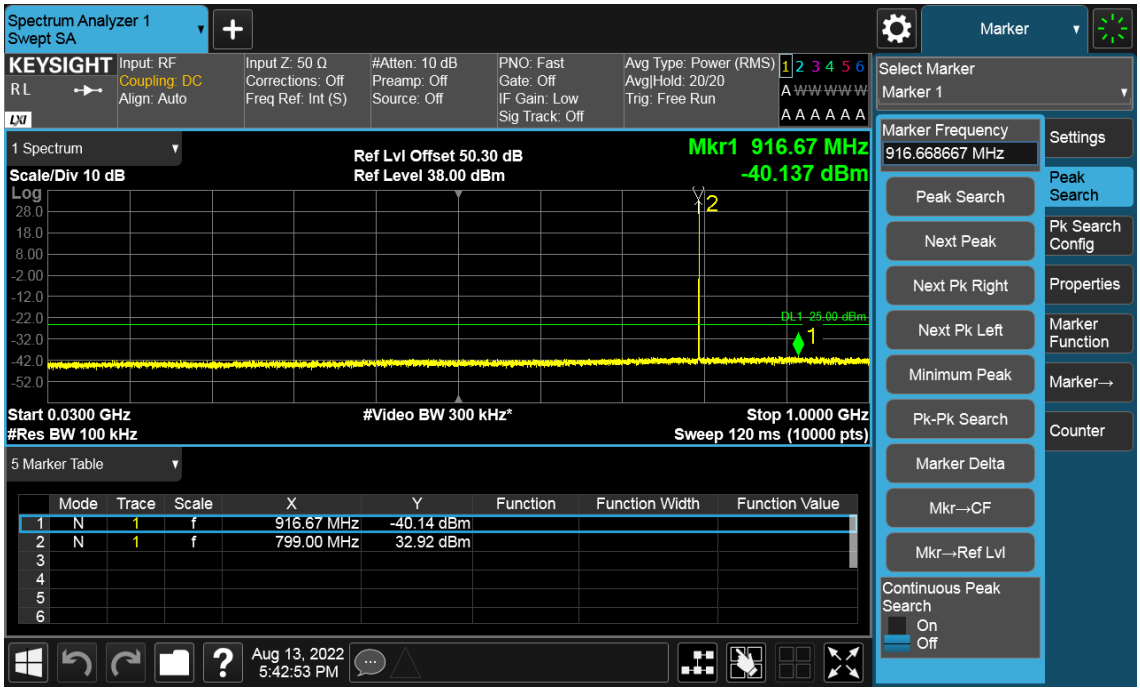
9kHz~150kHz



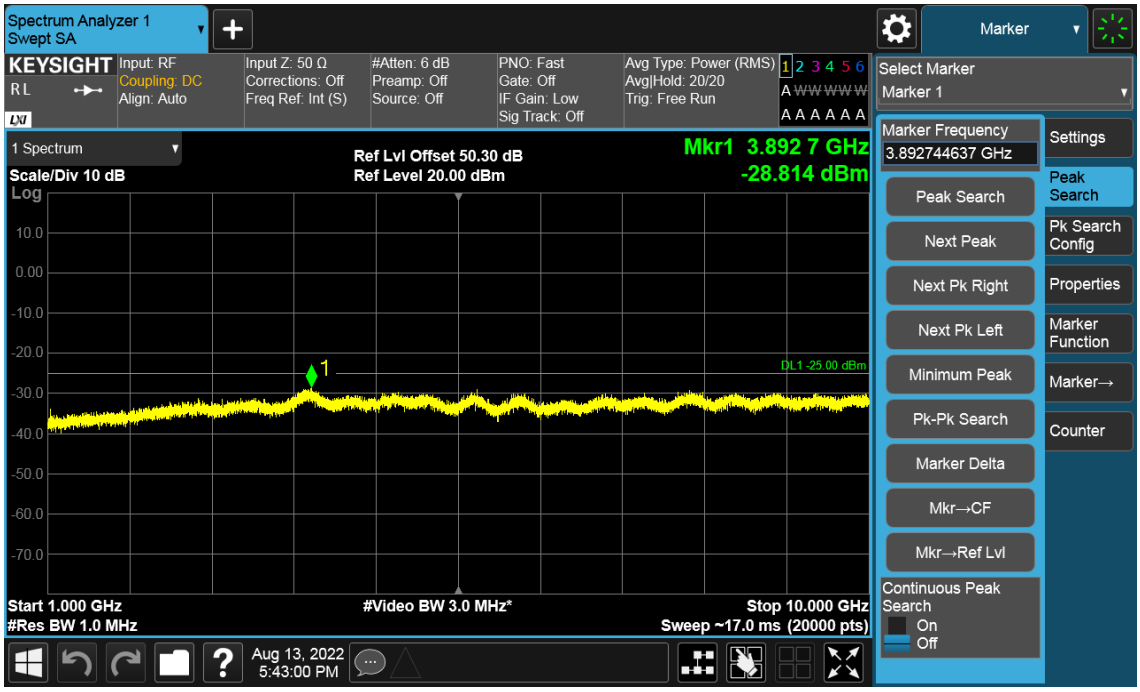
150kHz~30MHz



30MHz~1GHz

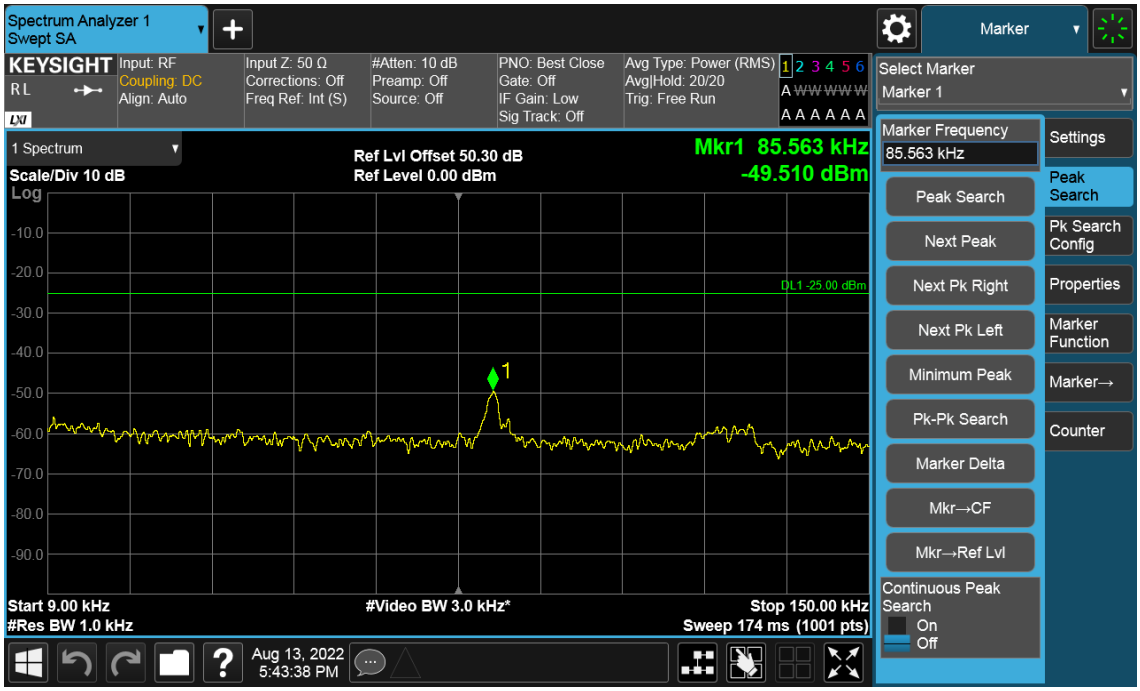


1GHz~10GHz

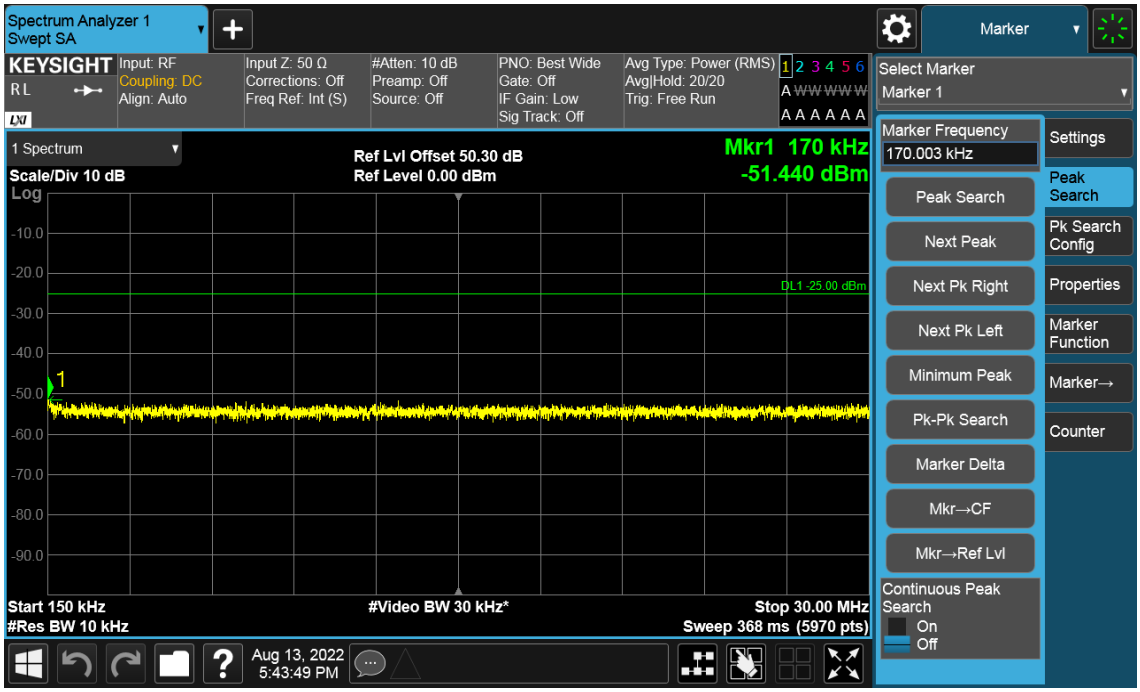


804.95MHz

9kHz~150kHz

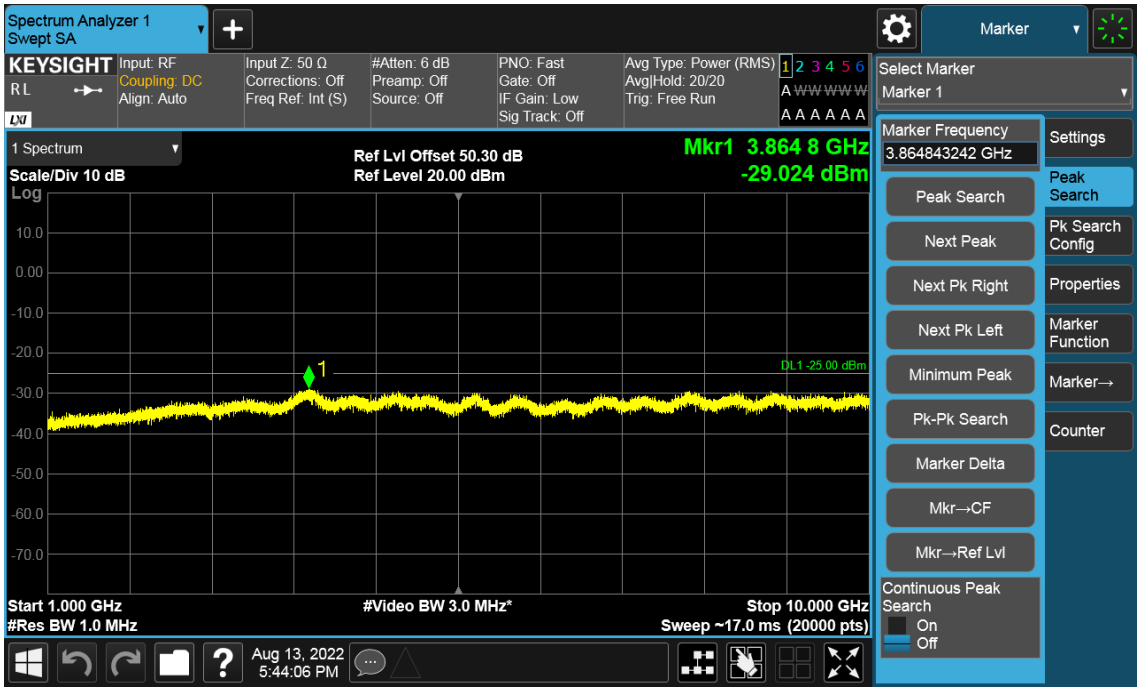


150kHz~30MHz



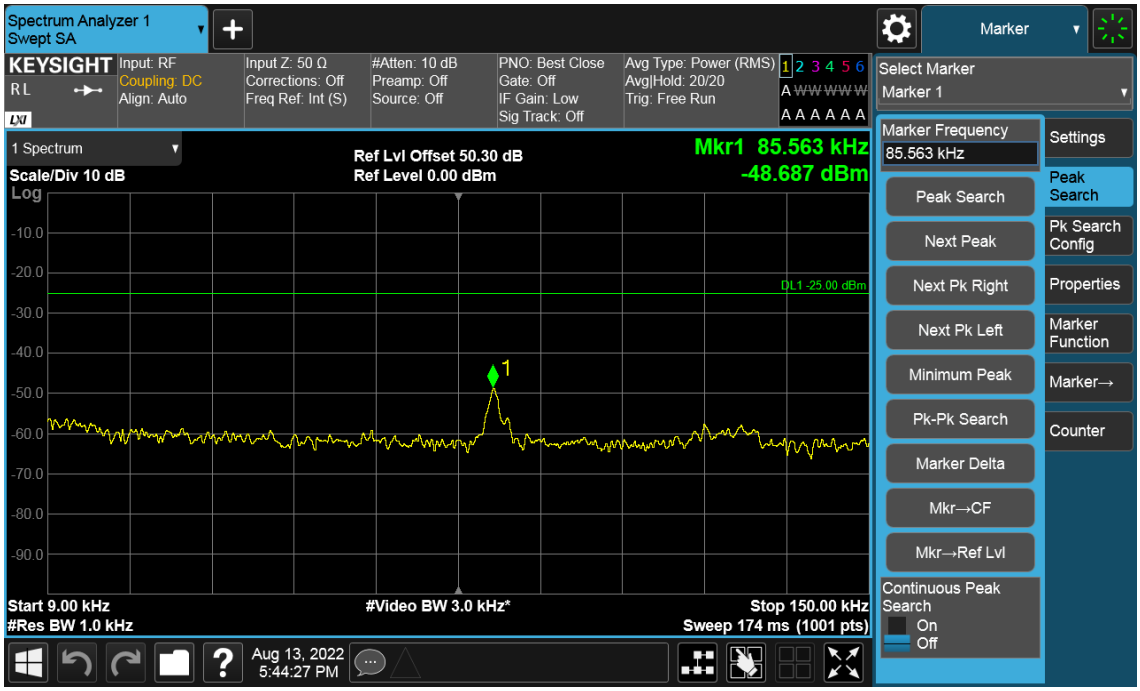
30MHz~1GHz

1GHz~10GHz

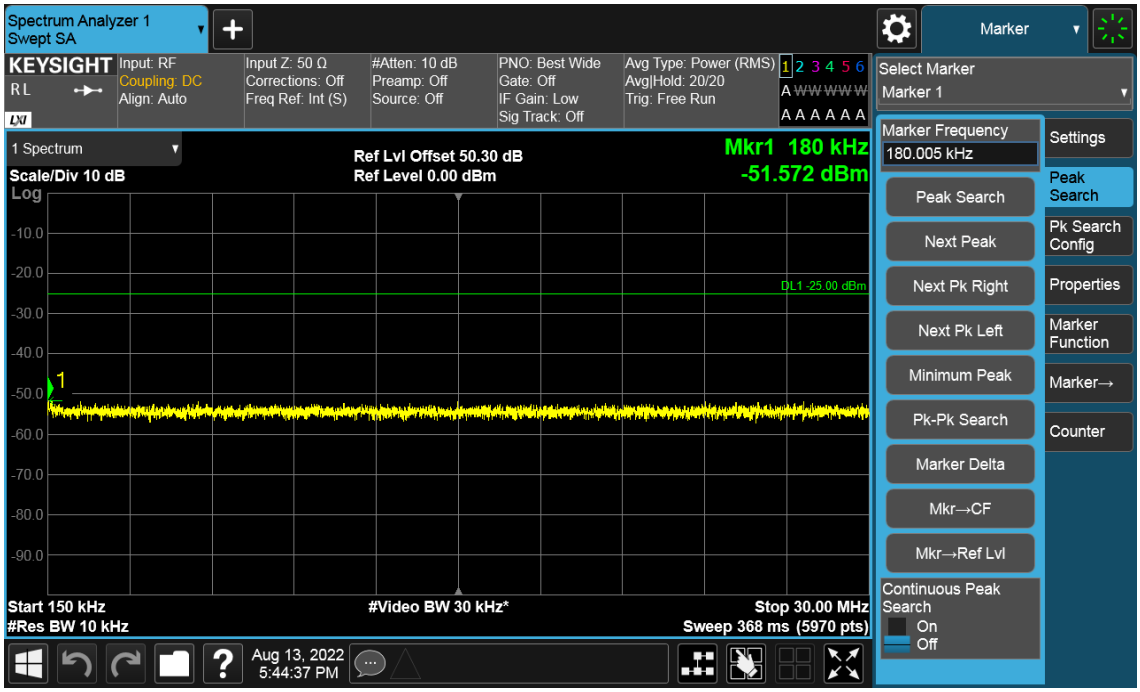


805.95MHz

9kHz~150kHz

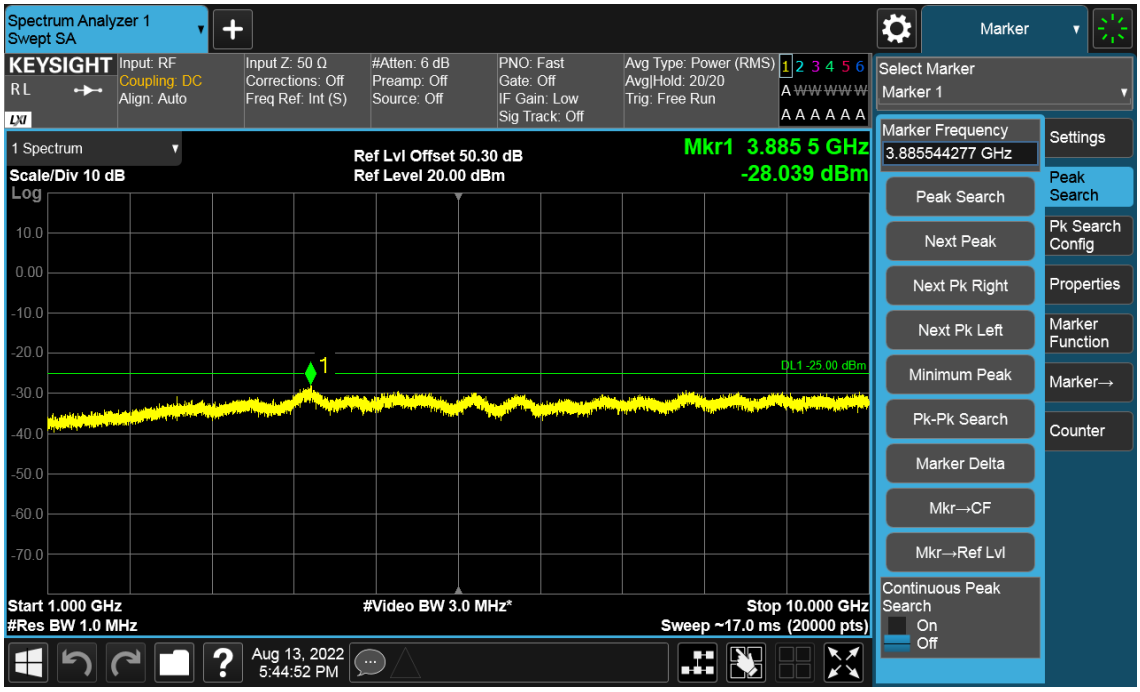


150kHz~30MHz



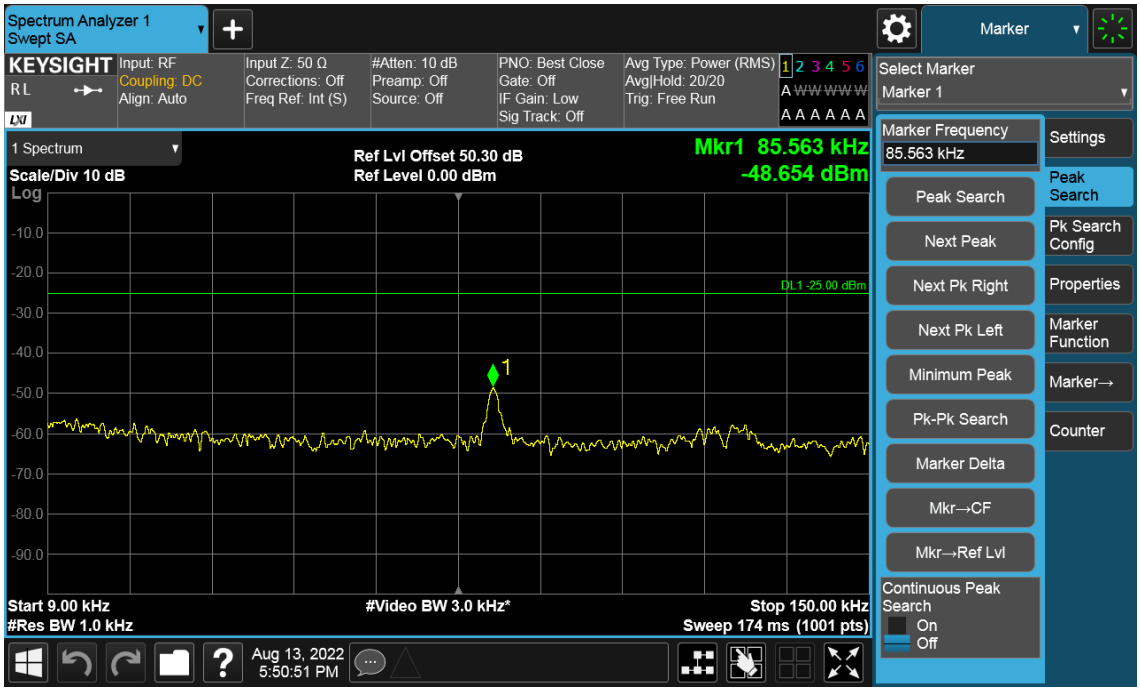
30MHz~1GHz

1GHz~10GHz

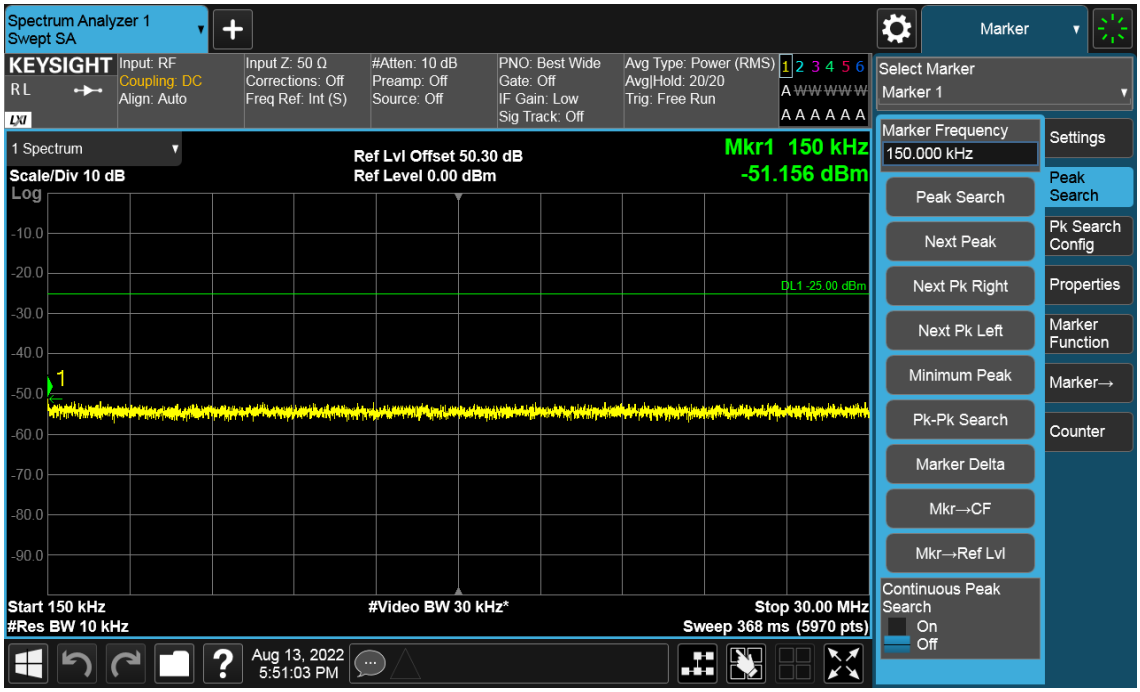


806.05MHz

9kHz~150kHz

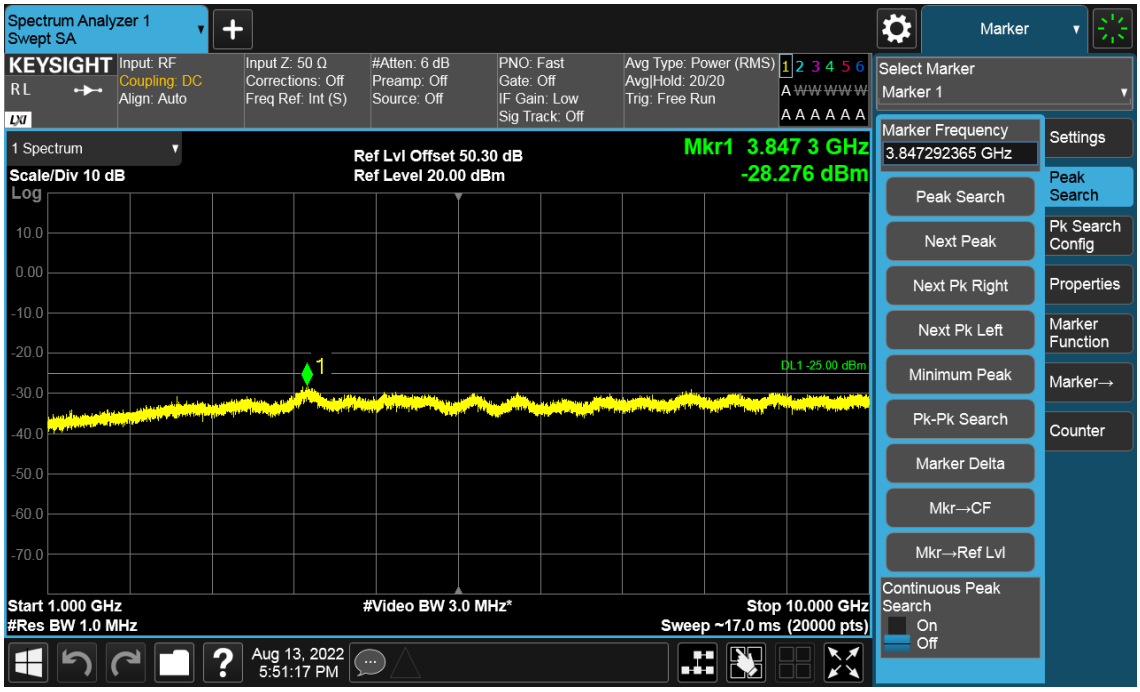


150kHz~30MHz



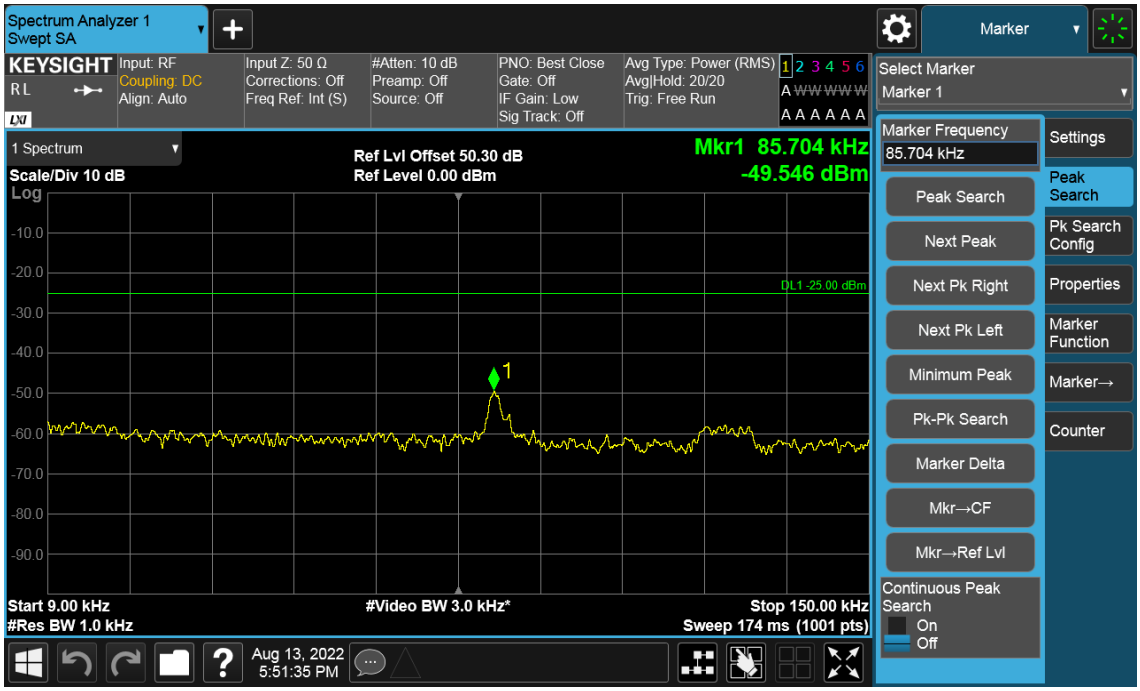
30MHz~1GHz

1GHz~10GHz

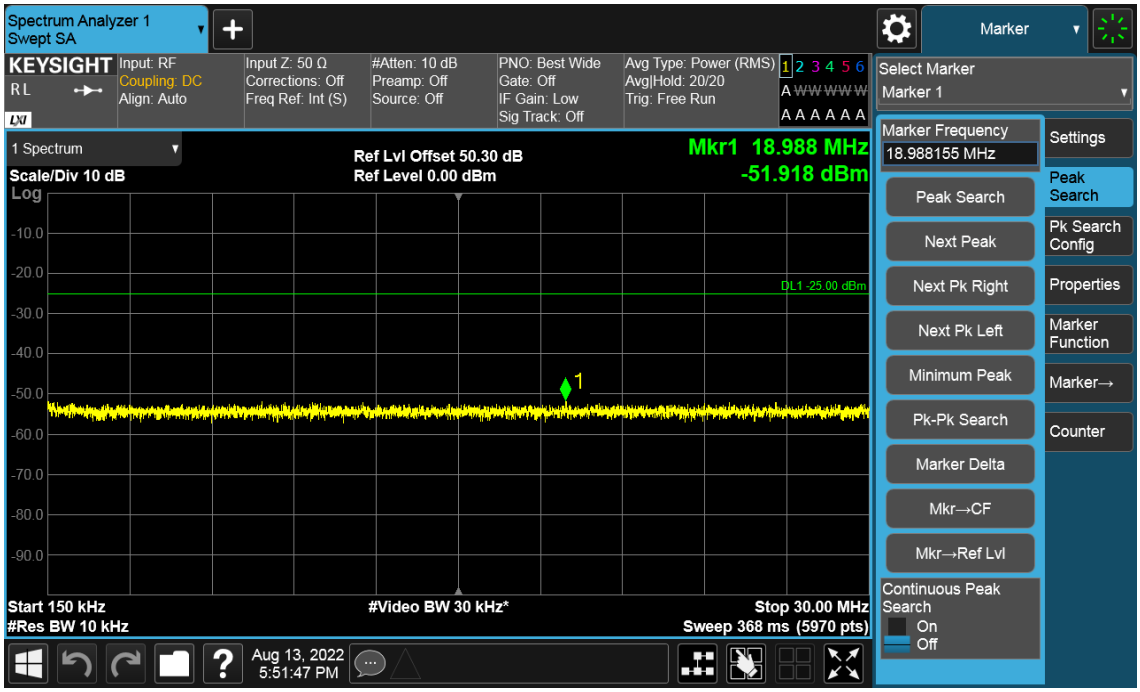


815.05MHz

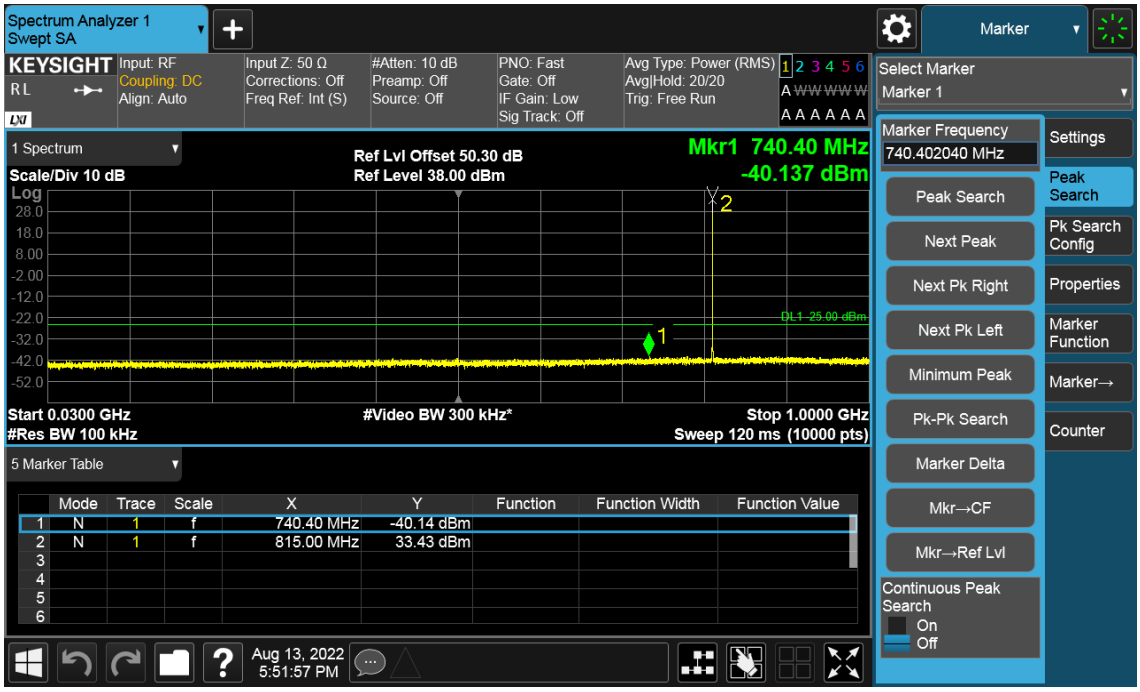
9kHz~150kHz



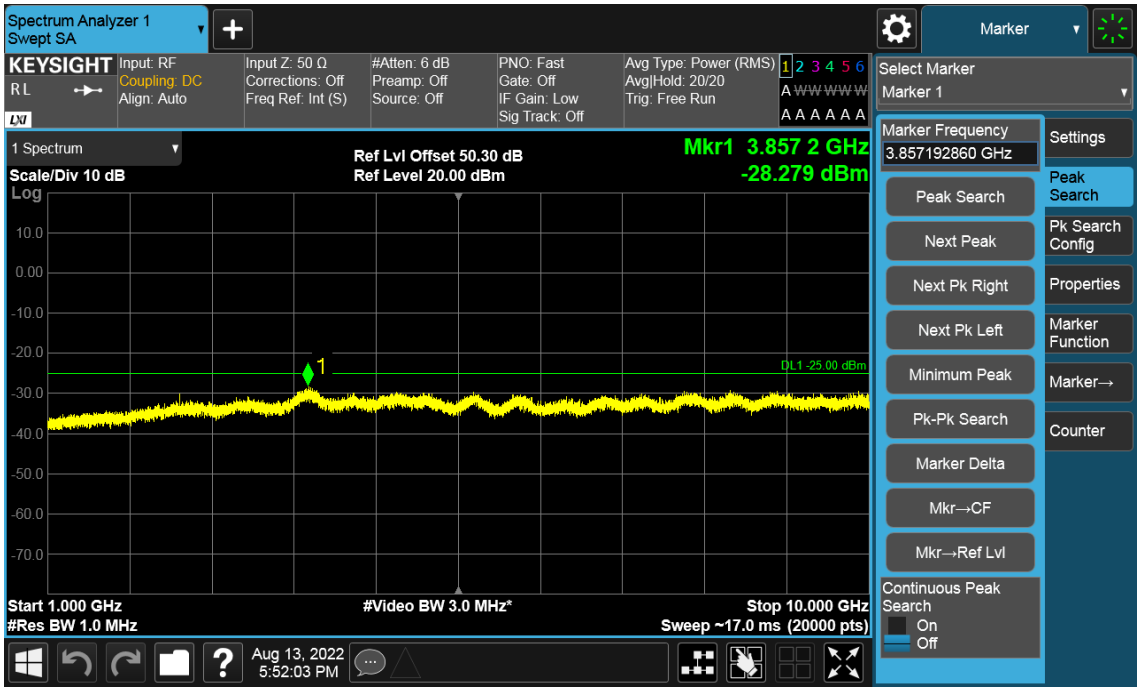
150kHz~30MHz



30MHz~1GHz

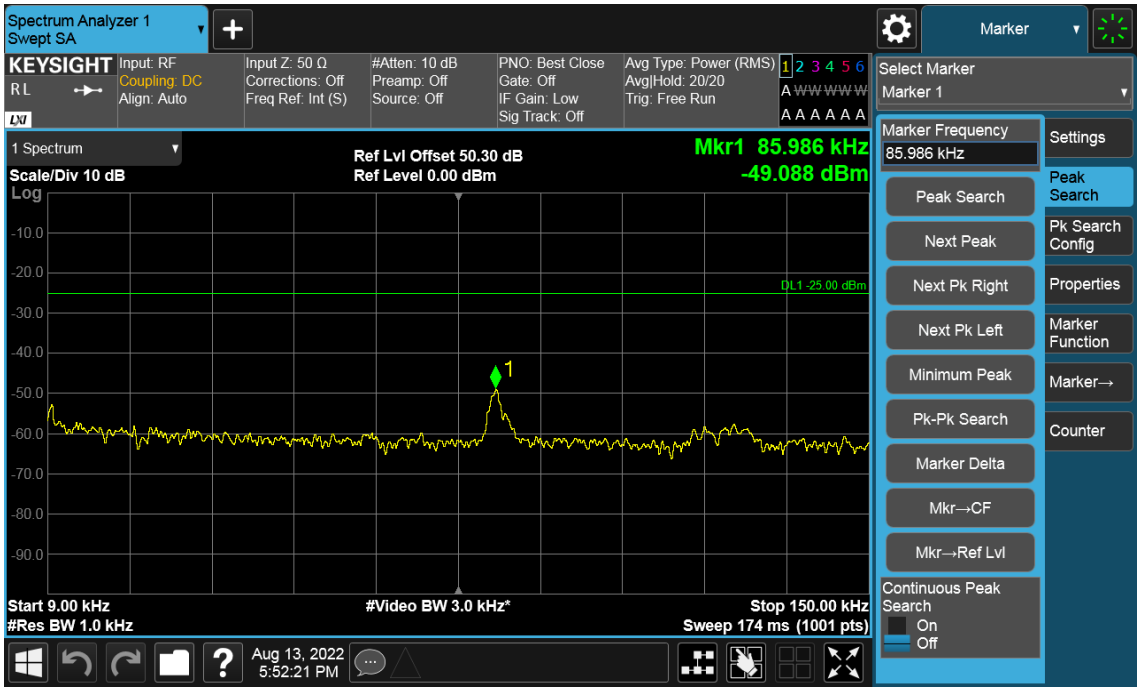


1GHz~10GHz

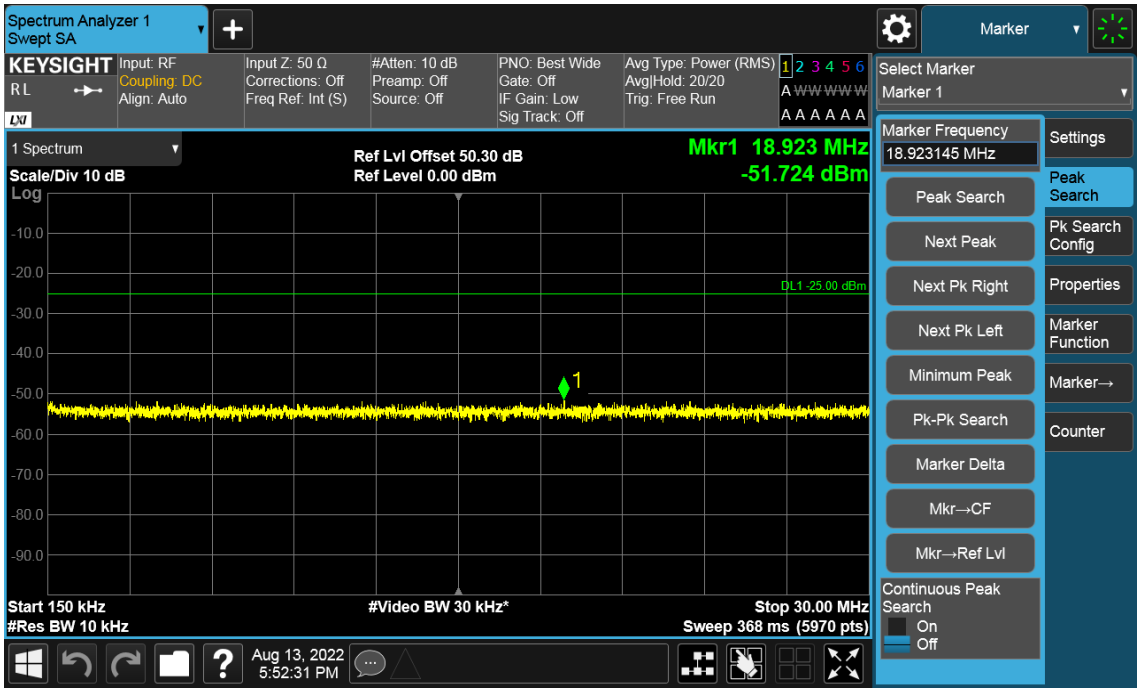


823.95MHz

9kHz~150kHz

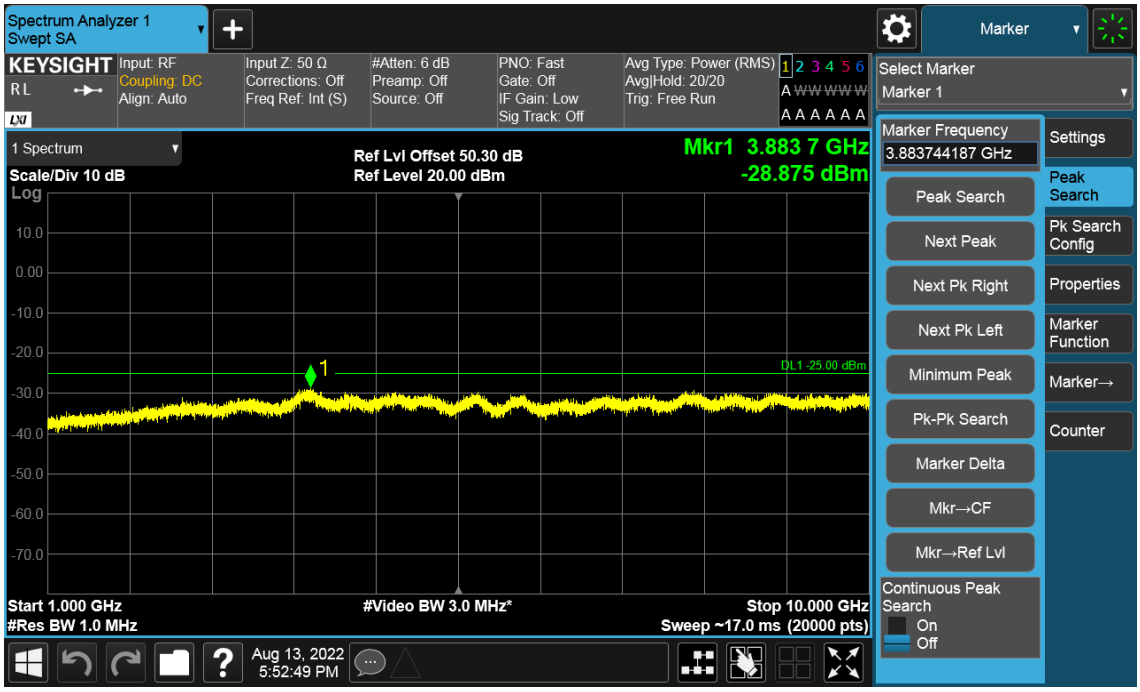


150kHz~30MHz



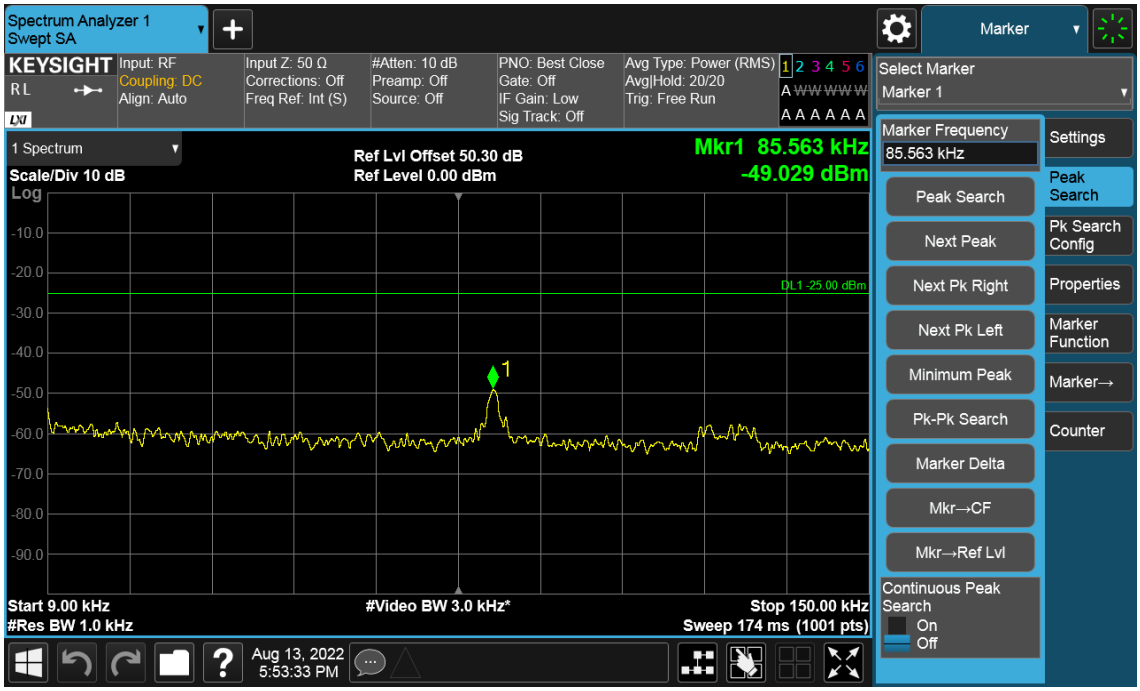
30MHz~1GHz

1GHz~10GHz

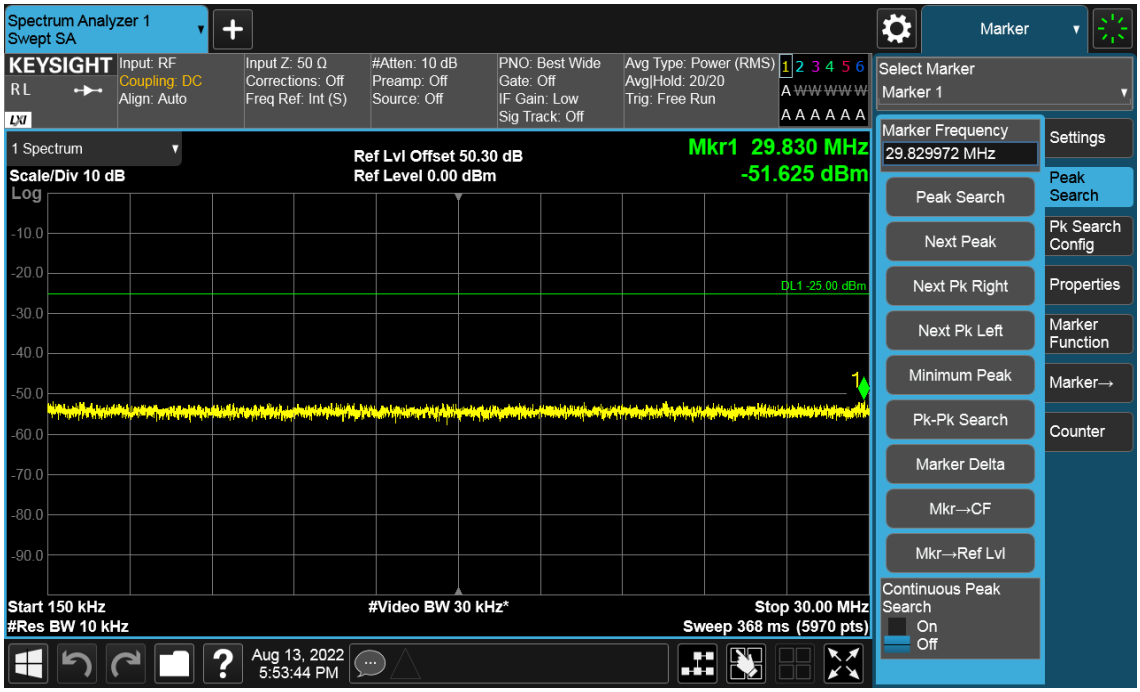


851.05MHz

9kHz~150kHz

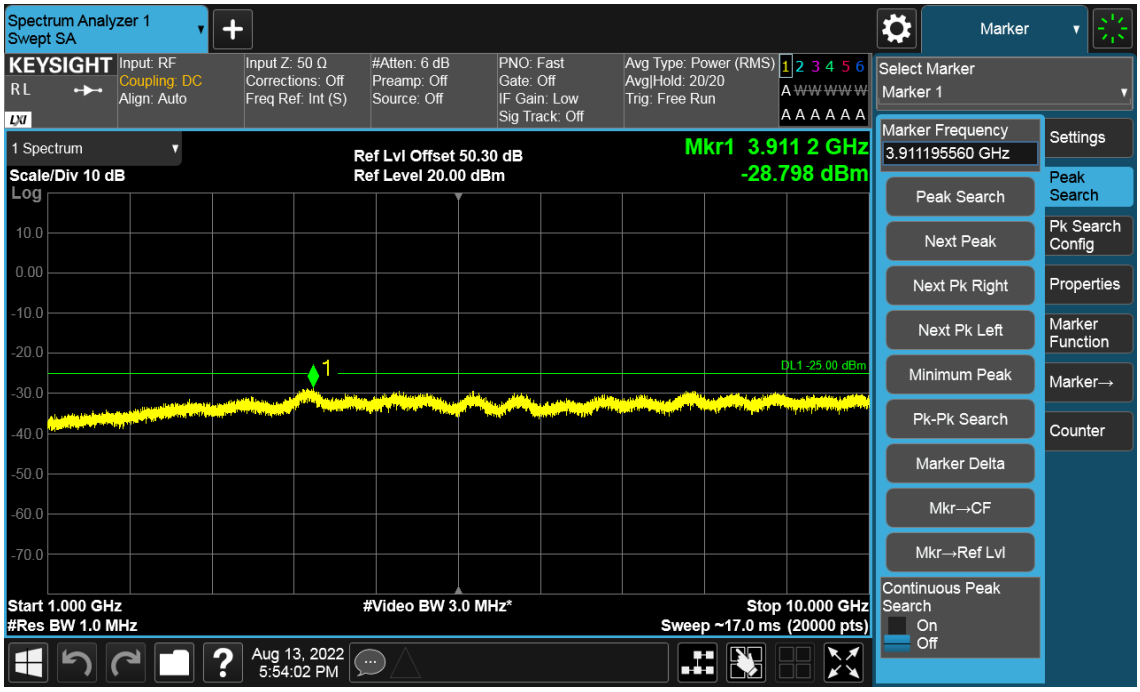


150kHz~30MHz



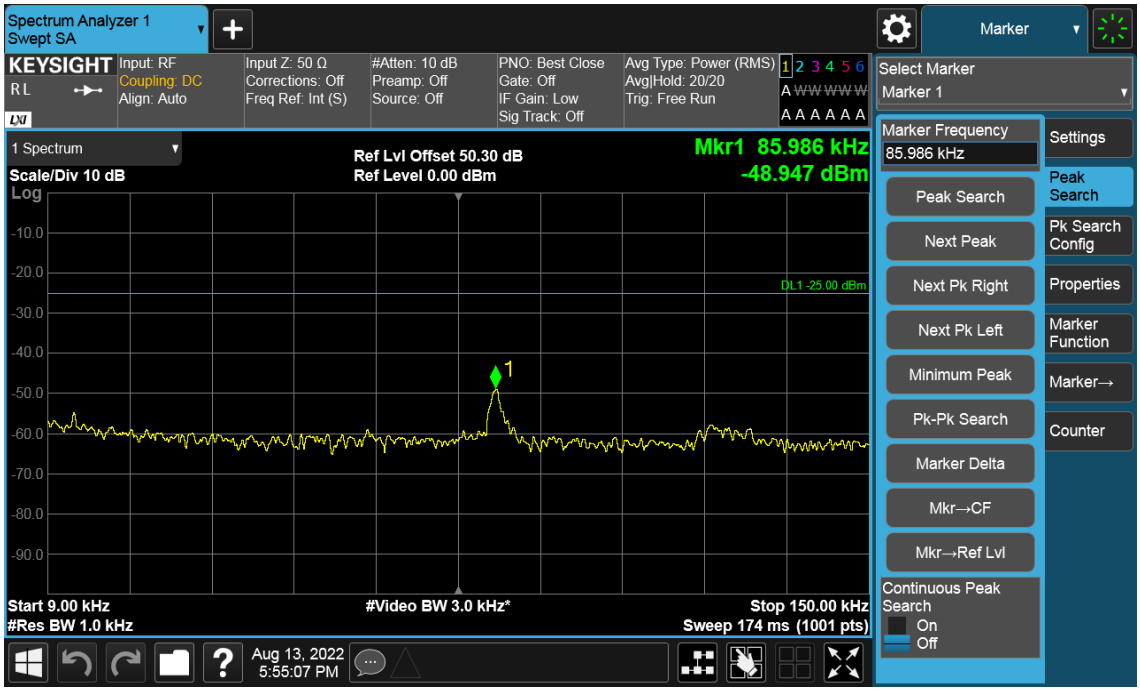
30MHz~1GHz

1GHz~10GHz

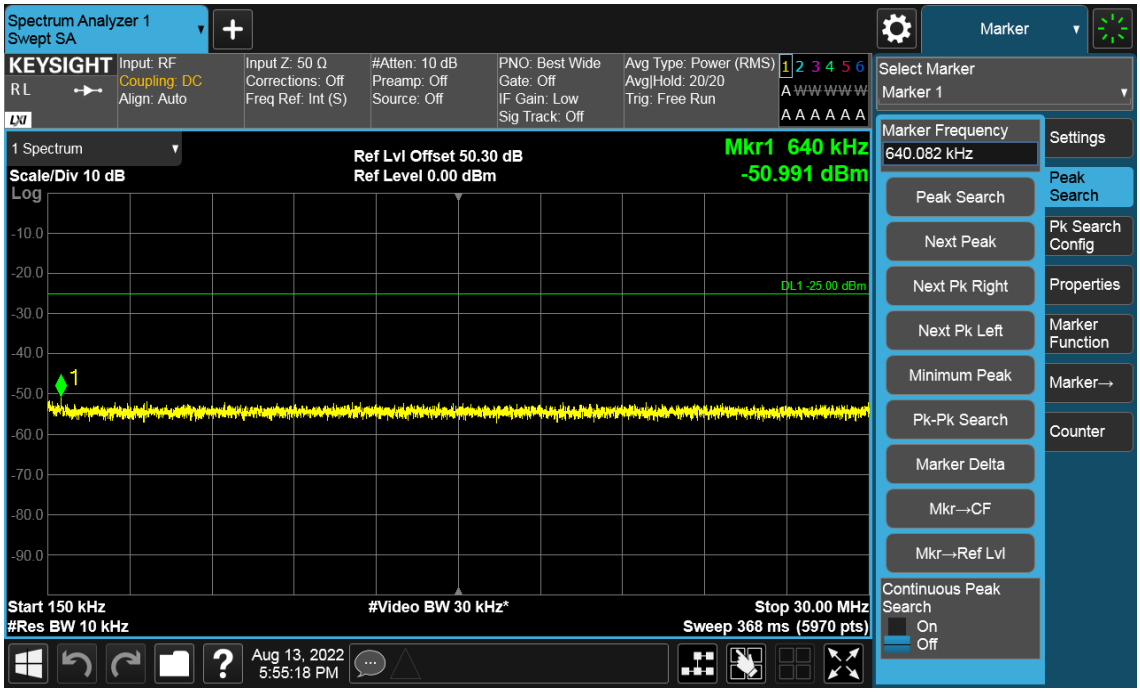


868.95MHz

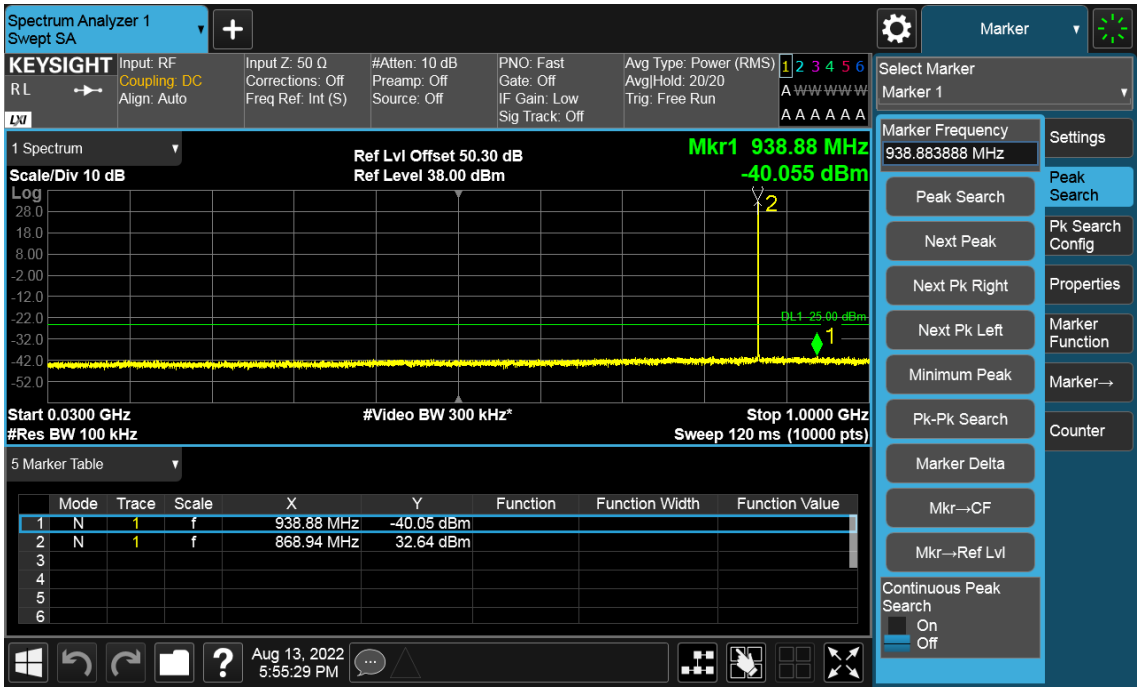
9kHz~150kHz



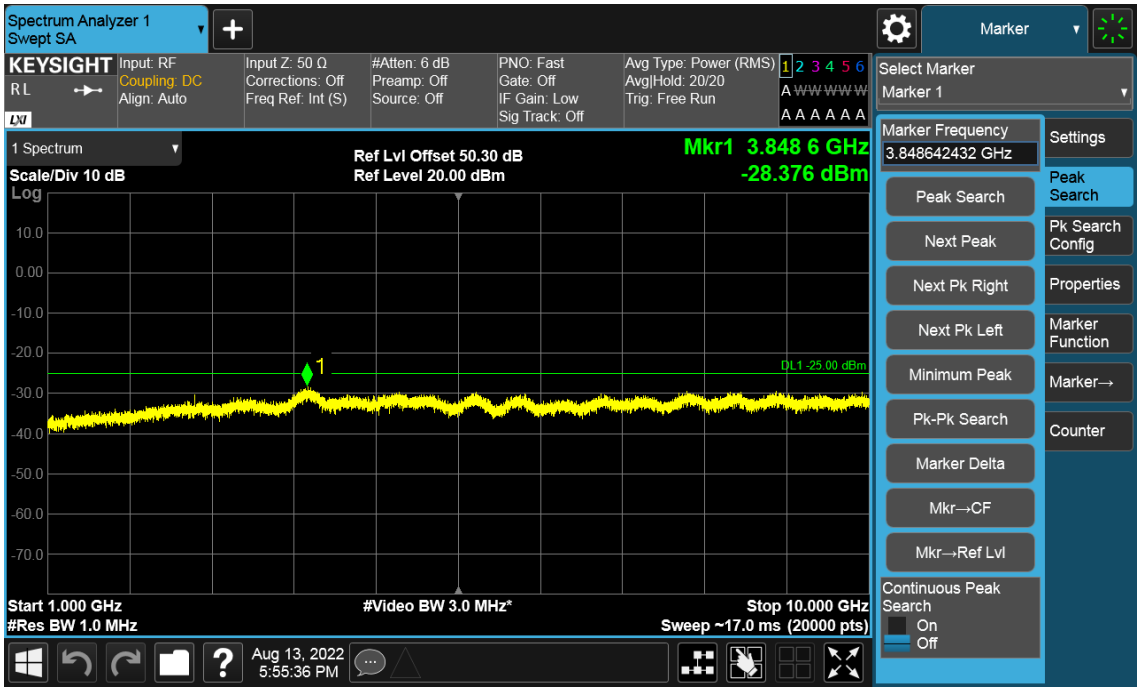
150kHz~30MHz



30MHz~1GHz



1GHz~10GHz



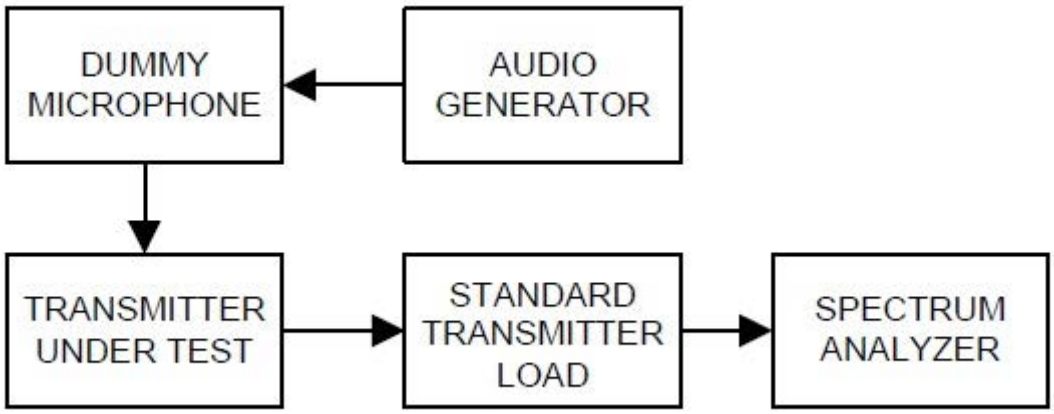
8.9 Adjacent Channel Power

▣ Definition

Transmitters designed to operate in 769-775 MHz and 799-805 MHz frequency bands must meet the adjacent channel power(ACP).

The adjacent channel power (ACP) requirements for transmitters designed for various channel sizes are shown in the § 90.543(a). Mobile station requirements apply to handheld, car mounted and control station units. The § 90.543(a) specify a value for the ACP as a function of the displacement from the channel center frequency and measurement bandwidth.

▣ TEST CONFIGURATION



▣ TEST PROCEDURE

For all measurements modulate the transmitter as it would be modulated in normal operating conditions. For time division multiple access (TDMA) systems, the measurements are to be made under TDMA operation only during time slots when the transmitter is active. All measurements are made at the transmitter's output port. If a transmitter has an integral antenna, a suitable power coupling device shall be used to couple the RF signal to the measurement instrument. The coupling device shall substantially maintain the proper transmitter load impedance. The ACP measurements may be made with a spectrum analyzer capable of making direct ACP measurements. “Measurement bandwidth”, as used for non-swept measurements, implies an instrument that measures the power in many narrow bandwidths equal to the nominal resolution bandwidth and integrates these powers to determine the total power in the specified measurement bandwidth.

Setting reference level. Set transmitter to maximum output power. Using a spectrum analyzer capable of ACP measurements, set the measurement bandwidth to the channel size. For example, for a 6.25 kHz transmitter set the measurement bandwidth to 6.25 kHz. Set the frequency offset of the measurement bandwidth to zero and adjust the center frequency of the instrument to the assigned center frequency to measure the average power level of the transmitter. Record this power level in dBm as the "reference power level."

Non-swept power measurement. Using a spectrum analyzer capable of ACP measurements, set the mesurement bandwidth and frequency offset from the assigned center frequency as shown in the tables in § 90.543 (a) above. Any value of resolution bandwidth may be used as long as it does not exceed 2 percent of the specified measurement bandwidth. Measure the power level in dBm. These measurements should be made at maximum power. Calculate ACP by substracting the reference power level measured in (b)(1) from the measurements made in this step. The absolute value of the calculated ACP must be greater than or equal to the absolute value of the ACP given in the table for each condition above

Swept power measurement. Set a spectrum analyzer to 30 kHz resolution bandwidth, 1 MHz video bandwidth and average, sample, or RMS detection. Set the reference level of the spectrum analyzer to the RMS value of the transmitter power. Sweep above and below the carrier frequency to the limits defined in the tables. Calculate ACP by substracting the reference power level measured in (b)(1) from the measurements made in this step. The absolute value of the calculated ACP must be greater than or equal to the absolute value of the ACP given in the table for each condition above

▣ Note

1. In the frequency offset below, only noise floor level was measured.
   So, only 400kHz to 12MHz results are reported.
   - Frequency offset: 400kHz to 12MHz/ 12MHz to paired receive band

▣ TEST RESULTS

16K0F3E(High Power)

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
768.05	15.625	6.25	-55.40	-70.74	-40
	21.875	6.25	-77.64	-77.09	-60
	37.5	25	-76.53	-76.86	-60
	62.5	25	-82.11	-82.22	-65
	87.5	25	-84.14	-83.71	-65
	150	100	-78.98	-79.16	-65
	250	100	-82.16	-82.09	-65
	350	100	-82.81	-83.03	-65
	>400 to 12000	30 (s)	-88.48	-87.65	-75
769.05	15.625	6.25	-54.07	-69.67	-40
	21.875	6.25	-77.46	-76.45	-60
	37.5	25	-76.45	-76.87	-60
	62.5	25	-82.07	-82.44	-65
	87.5	25	-83.98	-83.87	-65
	150	100	-79.13	-79.06	-65
	250	100	-82.04	-82.07	-65
	350	100	-82.96	-83.09	-65
	>400 to 12000	30 (s)	-87.46	-87.91	-75
774.95	15.625	6.25	-54.27	-70.29	-40
	21.875	6.25	-76.74	-76.55	-60
	37.5	25	-76.29	-76.59	-60
	62.5	25	-81.41	-81.49	-65
	87.5	25	-82.70	-82.82	-65
	150	100	-78.61	-78.78	-65
	250	100	-81.94	-82.09	-65
	350	100	-82.58	-82.79	-65
	>400 to 12000	30 (s)	-87.46	-87.92	-75
775.95	15.625	6.25	-53.84	-68.83	-40
	21.875	6.25	-76.30	-76.16	-60
	37.5	25	-76.08	-76.34	-60
	62.5	25	-81.63	-81.48	-65
	87.5	25	-82.96	-82.88	-65
	150	100	-78.84	-78.96	-65
	250	100	-81.72	-82.04	-65
	350	100	-82.87	-82.81	-65
	>400 to 12000	30 (s)	-87.39	-87.60	-75

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
798.05	15.625	6.25	-53.61	-69.69	-40
	21.875	6.25	-77.11	-76.33	-60
	37.5	25	-76.62	-76.60	-60
	62.5	25	-82.19	-82.16	-65
	87.5	25	-83.81	-83.90	-65
	150	100	-78.94	-78.96	-65
	250	100	-81.90	-82.00	-65
	350	100	-82.59	-82.84	-65
	>400 to 12000	30 (s)	-87.14	-88.19	-75
799.05	15.625	6.25	-54.01	-69.59	-40
	21.875	6.25	-76.96	-77.62	-60
	37.5	25	-76.49	-76.73	-60
	62.5	25	-81.91	-82.00	-65
	87.5	25	-83.72	-84.05	-65
	150	100	-79.15	-79.33	-65
	250	100	-81.79	-82.30	-65
	350	100	-82.67	-82.85	-65
	>400 to 12000	30 (s)	-86.89	-86.69	-75
804.95	15.625	6.25	-53.60	-69.89	-40
	21.875	6.25	-77.10	-77.02	-60
	37.5	25	-76.64	-76.52	-60
	62.5	25	-81.89	-82.28	-65
	87.5	25	-83.82	-83.92	-65
	150	100	-78.69	-79.19	-65
	250	100	-81.99	-82.22	-65
	350	100	-82.89	-83.00	-65
	>400 to 12000	30 (s)	-87.17	-87.43	-75
805.95	15.625	6.25	-53.56	-69.81	-40
	21.875	6.25	-76.74	-75.81	-60
	37.5	25	-76.51	-76.69	-60
	62.5	25	-82.13	-82.01	-65
	87.5	25	-83.91	-83.73	-65
	150	100	-78.96	-79.12	-65
	250	100	-82.02	-82.18	-65
	350	100	-82.39	-82.88	-65
	>400 to 12000	30 (s)	-87.02	-87.02	-75

14K0F3E(High Power)

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
768.05	15.625	6.25	-63.03	-73.71	-40
	21.875	6.25	-77.80	-77.23	-60
	37.5	25	-77.62	-77.67	-60
	62.5	25	-82.92	-82.98	-65
	87.5	25	-84.52	-84.55	-65
	150	100	-79.41	-79.55	-65
	250	100	-82.62	-82.63	-65
	350	100	-83.28	-83.54	-65
	>400 to 12000	30 (s)	-89.38	-89.23	-75
769.05	15.625	6.25	-63.49	-71.83	-40
	21.875	6.25	-77.63	-78.67	-60
	37.5	25	-77.35	-77.60	-60
	62.5	25	-82.50	-82.84	-65
	87.5	25	-84.52	-84.41	-65
	150	100	-79.44	-79.12	-65
	250	100	-82.41	-82.57	-65
	350	100	-83.15	-83.31	-65
	>400 to 12000	30 (s)	-88.92	-88.80	-75
774.95	15.625	6.25	-62.62	-72.32	-40
	21.875	6.25	-78.27	-77.42	-60
	37.5	25	-77.10	-77.07	-60
	62.5	25	-81.84	-82.02	-65
	87.5	25	-83.59	-83.59	-65
	150	100	-79.35	-79.28	-65
	250	100	-82.38	-82.49	-65
	350	100	-83.16	-83.32	-65
	>400 to 12000	30 (s)	-87.80	-89.02	-75
775.95	15.625	6.25	-63.80	-64.28	-40
	21.875	6.25	-79.22	-78.81	-60
	37.5	25	-78.51	-78.88	-60
	62.5	25	-82.85	-83.19	-65
	87.5	25	-84.03	-83.72	-65
	150	100	-79.24	-79.67	-65
	250	100	-83.10	-82.92	-65
	350	100	-83.59	-83.71	-65
	>400 to 12000	30 (s)	-88.85	-87.64	-75

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
798.05	15.625	6.25	-63.42	-69.61	-40
	21.875	6.25	-79.23	-79.32	-60
	37.5	25	-79.04	-78.82	-60
	62.5	25	-83.66	-83.91	-65
	87.5	25	-84.96	-84.96	-65
	150	100	-79.84	-79.80	-65
	250	100	-82.74	-82.85	-65
	350	100	-83.50	-83.58	-65
	>400 to 12000	30 (s)	-89.00	-89.05	-75
799.05	15.625	6.25	-62.39	-73.67	-40
	21.875	6.25	-79.63	-78.70	-60
	37.5	25	-78.57	-78.62	-60
	62.5	25	-83.20	-83.36	-65
	87.5	25	-84.65	-84.92	-65
	150	100	-79.58	-79.61	-65
	250	100	-82.76	-82.76	-65
	350	100	-83.54	-83.56	-65
	>400 to 12000	30 (s)	-88.28	-88.00	-75
804.95	15.625	6.25	-62.03	-71.30	-40
	21.875	6.25	-76.57	-76.94	-60
	37.5	25	-76.96	-77.18	-60
	62.5	25	-82.75	-82.67	-65
	87.5	25	-84.20	-84.43	-65
	150	100	-79.40	-79.36	-65
	250	100	-82.62	-82.67	-65
	350	100	-83.28	-83.47	-65
	>400 to 12000	30 (s)	-88.77	-88.65	-75
805.95	15.625	6.25	-62.49	-72.36	-40
	21.875	6.25	-76.65	-76.74	-60
	37.5	25	-76.95	-77.08	-60
	62.5	25	-82.46	-82.67	-65
	87.5	25	-84.29	-83.96	-65
	150	100	-79.46	-79.42	-65
	250	100	-82.44	-82.84	-65
	350	100	-83.33	-83.35	-65
	>400 to 12000	30 (s)	-87.94	-88.89	-75

11K0F3E(High Power)

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
768.05	9.375	6.25	-40.71	-40.63	-40
	15.625	6.25	-72.35	-73.36	-60
	21.875	6.25	-75.69	-77.25	-60
	37.5	25	-76.05	-76.39	-60
	62.5	25	-82.05	-82.20	-65
	87.5	25	-83.61	-84.10	-65
	150	100	-79.40	-79.19	-65
	250	100	-82.49	-82.50	-65
	350	100	-83.24	-83.46	-65
	>400 to 12000	30 (s)	-88.24	-88.48	-75
769.05	9.375	6.25	-40.32	-40.20	-40
	15.625	6.25	-69.24	-72.50	-60
	21.875	6.25	-78.00	-76.94	-60
	37.5	25	-76.26	-76.66	-60
	62.5	25	-82.07	-82.24	-65
	87.5	25	-84.22	-83.73	-65
	150	100	-79.16	-79.21	-65
	250	100	-82.53	-82.52	-65
	350	100	-83.33	-83.49	-65
	>400 to 12000	30 (s)	-88.30	-87.51	-75
774.95	9.375	6.25	-40.30	-40.29	-40
	15.625	6.25	-71.40	-72.61	-60
	21.875	6.25	-75.94	-75.62	-60
	37.5	25	-76.27	-76.39	-60
	62.5	25	-81.52	-81.51	-65
	87.5	25	-83.27	-83.08	-65
	150	100	-78.97	-78.96	-65
	250	100	-82.16	-82.27	-65
	350	100	-82.93	-83.15	-65
	>400 to 12000	30 (s)	-88.69	-88.37	-75
775.95	9.375	6.25	-40.22	-40.17	-40
	15.625	6.25	-72.91	-72.58	-60
	21.875	6.25	-77.84	-77.24	-60
	37.5	25	-76.17	-76.54	-60
	62.5	25	-81.46	-81.92	-65
	87.5	25	-83.14	-83.07	-65
	150	100	-78.91	-79.07	-65
	250	100	-82.35	-82.34	-65
	350	100	-83.23	-83.25	-65
	>400 to 12000	30 (s)	-88.43	-87.62	-75

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
798.05	9.375	6.25	-40.40	-40.34	-40
	15.625	6.25	-72.16	-72.61	-60
	21.875	6.25	-77.46	-76.48	-60
	37.5	25	-76.45	-76.57	-60
	62.5	25	-82.20	-82.05	-65
	87.5	25	-84.26	-84.14	-65
	150	100	-79.17	-79.09	-65
	250	100	-82.18	-82.24	-65
	350	100	-82.97	-83.10	-65
	>400 to 12000	30 (s)	-87.22	-87.81	-75
799.05	9.375	6.25	-40.52	-40.47	-40
	15.625	6.25	-70.64	-73.17	-60
	21.875	6.25	-77.26	-77.22	-60
	37.5	25	-76.42	-76.52	-60
	62.5	25	-82.22	-82.05	-65
	87.5	25	-83.73	-83.97	-65
	150	100	-78.99	-79.32	-65
	250	100	-82.37	-82.25	-65
	350	100	-82.89	-83.24	-65
	>400 to 12000	30 (s)	-88.49	-88.07	-75
804.95	9.375	6.25	-41.07	-41.10	-40
	15.625	6.25	-72.27	-73.12	-60
	21.875	6.25	-76.66	-76.68	-60
	37.5	25	-76.29	-76.56	-60
	62.5	25	-81.95	-82.00	-65
	87.5	25	-83.89	-83.83	-65
	150	100	-79.06	-79.23	-65
	250	100	-82.06	-82.17	-65
	350	100	-82.56	-82.57	-65
	>400 to 12000	30 (s)	-88.13	-88.66	-75
805.95	9.375	6.25	-40.92	-40.84	-40
	15.625	6.25	-73.72	-73.90	-60
	21.875	6.25	-76.54	-76.43	-60
	37.5	25	-76.07	-76.34	-60
	62.5	25	-81.88	-82.19	-65
	87.5	25	-83.60	-84.38	-65
	150	100	-79.36	-79.13	-65
	250	100	-82.51	-82.39	-65
	350	100	-83.00	-83.21	-65
	>400 to 12000	30 (s)	-88.39	-88.12	-75

8K10F1E, 8K10F1D(High Power)

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
768.05	9.375	6.25	-43.91	-48.73	-40
	15.625	6.25	-73.29	-74.24	-60
	21.875	6.25	-75.63	-77.19	-60
	37.5	25	-77.20	-77.44	-60
	62.5	25	-82.60	-82.87	-65
	87.5	25	-84.32	-84.11	-65
	150	100	-79.45	-79.31	-65
	250	100	-82.65	-82.61	-65
	350	100	-83.27	-83.53	-65
	>400 to 12000	30 (s)	-88.92	-87.19	-75
769.05	9.375	6.25	-45.99	-42.80	-40
	15.625	6.25	-71.63	-73.94	-60
	21.875	6.25	-78.86	-77.49	-60
	37.5	25	-76.95	-77.05	-60
	62.5	25	-82.50	-82.54	-65
	87.5	25	-83.89	-84.19	-65
	150	100	-79.59	-79.42	-65
	250	100	-83.04	-82.79	-65
	350	100	-83.79	-83.81	-65
	>400 to 12000	30 (s)	-87.48	-87.14	-75
774.95	9.375	6.25	-41.53	-47.59	-40
	15.625	6.25	-72.33	-74.05	-60
	21.875	6.25	-75.68	-77.36	-60
	37.5	25	-76.61	-76.96	-60
	62.5	25	-81.82	-81.84	-65
	87.5	25	-82.93	-83.22	-65
	150	100	-79.35	-79.10	-65
	250	100	-82.30	-82.30	-65
	350	100	-83.15	-83.27	-65
	>400 to 12000	30 (s)	-87.92	-88.98	-75
775.95	9.375	6.25	-41.96	-43.04	-40
	15.625	6.25	-72.14	-72.83	-60
	21.875	6.25	-75.68	-76.52	-60
	37.5	25	-76.58	-76.77	-60
	62.5	25	-81.72	-81.73	-65
	87.5	25	-83.02	-82.99	-65
	150	100	-78.86	-79.03	-65
	250	100	-82.01	-82.25	-65
	350	100	-83.01	-83.17	-65
	>400 to 12000	30 (s)	-88.18	-88.13	-75

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
798.05	9.375	6.25	-46.63	-46.70	-40
	15.625	6.25	-71.63	-72.91	-60
	21.875	6.25	-76.55	-75.65	-60
	37.5	25	-76.67	-76.86	-60
	62.5	25	-82.08	-82.33	-65
	87.5	25	-83.87	-84.11	-65
	150	100	-78.92	-78.87	-65
	250	100	-82.25	-82.27	-65
	350	100	-82.71	-83.06	-65
	>400 to 12000	30 (s)	-88.51	-88.62	-75
799.05	9.375	6.25	-44.40	-42.42	-40
	15.625	6.25	-71.69	-72.98	-60
	21.875	6.25	-77.19	-75.11	-60
	37.5	25	-76.93	-77.08	-60
	62.5	25	-82.09	-82.25	-65
	87.5	25	-83.79	-84.18	-65
	150	100	-79.19	-79.34	-65
	250	100	-82.34	-82.23	-65
	350	100	-82.85	-83.39	-65
	>400 to 12000	30 (s)	-88.32	-87.74	-75
804.95	9.375	6.25	-52.14	-47.94	-40
	15.625	6.25	-72.85	-72.89	-60
	21.875	6.25	-76.88	-77.63	-60
	37.5	25	-77.67	-77.91	-60
	62.5	25	-82.93	-83.17	-65
	87.5	25	-84.57	-84.62	-65
	150	100	-79.33	-79.28	-65
	250	100	-82.30	-82.50	-65
	350	100	-82.91	-83.17	-65
	>400 to 12000	30 (s)	-88.96	-87.72	-75
805.95	9.375	6.25	-43.00	-51.40	-40
	15.625	6.25	-73.68	-72.47	-60
	21.875	6.25	-77.29	-78.43	-60
	37.5	25	-77.15	-77.23	-60
	62.5	25	-82.78	-82.76	-65
	87.5	25	-84.33	-84.00	-65
	150	100	-79.63	-80.09	-65
	250	100	-82.91	-82.84	-65
	350	100	-83.55	-83.89	-65
	>400 to 12000	30 (s)	-88.81	-89.18	-75

8K10F1W(High Power)

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
768.05	9.375	6.25	-41.83	-42.89	-40
	15.625	6.25	-73.17	-72.11	-60
	21.875	6.25	-77.43	-76.26	-60
	37.5	25	-77.10	-77.03	-60
	62.5	25	-82.36	-82.75	-65
	87.5	25	-84.16	-83.87	-65
	150	100	-78.77	-78.87	-65
	250	100	-82.43	-82.38	-65
	350	100	-82.96	-83.36	-65
	>400 to 12000	30 (s)	-88.91	-88.59	-75
769.05	9.375	6.25	-41.90	-43.33	-40
	15.625	6.25	-73.01	-74.18	-60
	21.875	6.25	-76.84	-78.56	-60
	37.5	25	-77.10	-77.29	-60
	62.5	25	-82.48	-82.46	-65
	87.5	25	-84.01	-84.16	-65
	150	100	-79.26	-78.95	-65
	250	100	-82.44	-82.72	-65
	350	100	-83.40	-83.50	-65
	>400 to 12000	30 (s)	-87.86	-87.65	-75
774.95	9.375	6.25	-43.11	-46.62	-40
	15.625	6.25	-72.06	-73.44	-60
	21.875	6.25	-76.66	-75.95	-60
	37.5	25	-76.74	-76.83	-60
	62.5	25	-81.74	-81.61	-65
	87.5	25	-82.80	-83.10	-65
	150	100	-78.91	-78.72	-65
	250	100	-82.07	-82.28	-65
	350	100	-82.67	-83.17	-65
	>400 to 12000	30 (s)	-87.18	-87.84	-75
775.95	9.375	6.25	-41.60	-42.76	-40
	15.625	6.25	-74.55	-73.49	-60
	21.875	6.25	-77.68	-77.01	-60
	37.5	25	-76.78	-77.07	-60
	62.5	25	-82.11	-82.37	-65
	87.5	25	-83.28	-83.19	-65
	150	100	-78.85	-79.14	-65
	250	100	-81.83	-82.23	-65
	350	100	-82.82	-82.84	-65
	>400 to 12000	30 (s)	-87.78	-88.87	-75

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
798.05	9.375	6.25	-44.64	-47.32	-40
	15.625	6.25	-73.43	-74.52	-60
	21.875	6.25	-76.66	-76.97	-60
	37.5	25	-76.90	-76.90	-60
	62.5	25	-82.24	-82.38	-65
	87.5	25	-83.92	-83.75	-65
	150	100	-79.28	-78.94	-65
	250	100	-82.05	-82.15	-65
	350	100	-82.89	-82.89	-65
	>400 to 12000	30 (s)	-86.82	-86.76	-75
799.05	9.375	6.25	-43.47	-44.04	-40
	15.625	6.25	-74.32	-73.12	-60
	21.875	6.25	-77.50	-79.61	-60
	37.5	25	-77.85	-77.85	-60
	62.5	25	-82.81	-82.91	-65
	87.5	25	-84.53	-84.17	-65
	150	100	-79.08	-78.81	-65
	250	100	-81.97	-82.04	-65
	350	100	-82.81	-82.97	-65
	>400 to 12000	30 (s)	-87.98	-87.14	-75
804.95	9.375	6.25	-42.92	-43.90	-40
	15.625	6.25	-72.05	-72.05	-60
	21.875	6.25	-76.41	-77.25	-60
	37.5	25	-76.98	-76.93	-60
	62.5	25	-82.55	-82.30	-65
	87.5	25	-84.16	-83.99	-65
	150	100	-79.24	-79.37	-65
	250	100	-82.28	-82.44	-65
	350	100	-83.13	-83.49	-65
	>400 to 12000	30 (s)	-88.75	-87.37	-75
805.95	9.375	6.25	-43.50	-46.94	-40
	15.625	6.25	-73.34	-73.63	-60
	21.875	6.25	-76.66	-75.99	-60
	37.5	25	-77.01	-77.20	-60
	62.5	25	-82.65	-82.38	-65
	87.5	25	-83.97	-84.33	-65
	150	100	-79.32	-79.35	-65
	250	100	-82.50	-82.43	-65
	350	100	-82.98	-83.45	-65
	>400 to 12000	30 (s)	-87.70	-88.31	-75

7K60FXD, 7K60FXE, 7K60F1E, 7K60F1D, 7K60F1W, 7K60FXW(High Power)

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
768.05	9.375	6.25	-49.35	-49.68	-40
	15.625	6.25	-73.67	-74.59	-60
	21.875	6.25	-78.45	-78.57	-60
	37.5	25	-78.02	-77.98	-60
	62.5	25	-82.79	-83.23	-65
	87.5	25	-84.55	-84.39	-65
	150	100	-79.39	-79.26	-65
	250	100	-82.73	-82.53	-65
	350	100	-83.33	-83.53	-65
	>400 to 12000	30 (s)	-88.80	-88.61	-75
769.05	9.375	6.25	-47.08	-49.61	-40
	15.625	6.25	-73.79	-73.81	-60
	21.875	6.25	-77.58	-77.79	-60
	37.5	25	-77.83	-78.07	-60
	62.5	25	-82.83	-82.99	-65
	87.5	25	-84.43	-84.51	-65
	150	100	-79.33	-79.59	-65
	250	100	-82.74	-82.88	-65
	350	100	-83.61	-83.95	-65
	>400 to 12000	30 (s)	-89.10	-88.80	-75
774.95	9.375	6.25	-44.03	-45.09	-40
	15.625	6.25	-72.98	-73.71	-60
	21.875	6.25	-78.72	-77.92	-60
	37.5	25	-77.45	-77.46	-60
	62.5	25	-82.11	-82.15	-65
	87.5	25	-83.48	-83.37	-65
	150	100	-79.17	-79.41	-65
	250	100	-82.51	-82.90	-65
	350	100	-83.34	-83.52	-65
	>400 to 12000	30 (s)	-89.64	-89.45	-75
775.95	9.375	6.25	-52.16	-50.50	-40
	15.625	6.25	-73.75	-74.06	-60
	21.875	6.25	-77.48	-77.71	-60
	37.5	25	-77.26	-77.65	-60
	62.5	25	-82.22	-82.24	-65
	87.5	25	-83.33	-83.20	-65
	150	100	-79.47	-79.71	-65
	250	100	-83.09	-82.86	-65
	350	100	-83.34	-83.77	-65
	>400 to 12000	30 (s)	-88.75	-88.25	-75

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
798.05	9.375	6.25	-46.40	-51.83	-40
	15.625	6.25	-75.31	-74.70	-60
	21.875	6.25	-78.40	-76.54	-60
	37.5	25	-77.93	-77.72	-60
	62.5	25	-82.98	-83.04	-65
	87.5	25	-84.55	-84.16	-65
	150	100	-79.71	-79.92	-65
	250	100	-83.11	-83.01	-65
	350	100	-83.44	-83.80	-65
	>400 to 12000	30 (s)	-88.84	-89.23	-75
799.05	9.375	6.25	-42.28	-46.75	-40
	15.625	6.25	-73.11	-73.72	-60
	21.875	6.25	-76.86	-77.57	-60
	37.5	25	-77.55	-77.55	-60
	62.5	25	-82.66	-82.50	-65
	87.5	25	-84.17	-84.37	-65
	150	100	-79.23	-79.38	-65
	250	100	-82.42	-82.69	-65
	350	100	-83.32	-83.38	-65
	>400 to 12000	30 (s)	-87.32	-87.89	-75
804.95	9.375	6.25	-44.91	-49.60	-40
	15.625	6.25	-73.43	-72.83	-60
	21.875	6.25	-76.97	-77.88	-60
	37.5	25	-77.63	-77.65	-60
	62.5	25	-82.86	-82.73	-65
	87.5	25	-84.40	-84.56	-65
	150	100	-79.98	-79.46	-65
	250	100	-82.80	-82.99	-65
	350	100	-83.35	-83.56	-65
	>400 to 12000	30 (s)	-86.74	-88.08	-75
805.95	9.375	6.25	-46.41	-45.77	-40
	15.625	6.25	-72.57	-72.98	-60
	21.875	6.25	-77.51	-77.17	-60
	37.5	25	-77.30	-77.42	-60
	62.5	25	-82.77	-82.82	-65
	87.5	25	-84.31	-84.33	-65
	150	100	-79.11	-78.96	-65
	250	100	-82.09	-82.33	-65
	350	100	-82.82	-83.30	-65
	>400 to 12000	30 (s)	-88.15	-88.48	-75

8K30F1E, 8K30F1D, 8K30F7W(High Power)

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
768.05	9.375	6.25	-49.85	-52.40	-40
	15.625	6.25	-73.72	-73.61	-60
	21.875	6.25	-77.44	-78.58	-60
	37.5	25	-77.59	-77.57	-60
	62.5	25	-82.76	-82.74	-65
	87.5	25	-83.96	-84.35	-65
	150	100	-79.58	-79.73	-65
	250	100	-83.07	-82.86	-65
	350	100	-83.75	-83.82	-65
	>400 to 12000	30 (s)	-88.86	-88.79	-75
769.05	9.375	6.25	-41.06	-48.93	-40
	15.625	6.25	-72.87	-73.04	-60
	21.875	6.25	-78.06	-76.60	-60
	37.5	25	-77.20	-77.51	-60
	62.5	25	-82.75	-82.74	-65
	87.5	25	-83.83	-84.22	-65
	150	100	-79.65	-79.87	-65
	250	100	-83.06	-83.30	-65
	350	100	-83.95	-84.14	-65
	>400 to 12000	30 (s)	-87.37	-88.79	-75
774.95	9.375	6.25	-46.80	-50.98	-40
	15.625	6.25	-71.80	-72.89	-60
	21.875	6.25	-76.36	-76.30	-60
	37.5	25	-77.32	-77.19	-60
	62.5	25	-82.22	-81.92	-65
	87.5	25	-83.18	-83.37	-65
	150	100	-79.81	-79.77	-65
	250	100	-82.92	-82.92	-65
	350	100	-83.56	-83.84	-65
	>400 to 12000	30 (s)	-88.96	-88.15	-75
775.95	9.375	6.25	-48.05	-48.94	-40
	15.625	6.25	-74.98	-74.73	-60
	21.875	6.25	-78.50	-78.98	-60
	37.5	25	-78.14	-78.33	-60
	62.5	25	-82.52	-82.73	-65
	87.5	25	-83.52	-83.67	-65
	150	100	-79.53	-79.43	-65
	250	100	-82.86	-82.78	-65
	350	100	-83.54	-83.52	-65
	>400 to 12000	30 (s)	-89.20	-89.09	-75

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
798.05	9.375	6.25	-42.70	-48.73	-40
	15.625	6.25	-74.76	-74.51	-60
	21.875	6.25	-79.36	-78.23	-60
	37.5	25	-78.17	-78.05	-60
	62.5	25	-83.33	-83.02	-65
	87.5	25	-84.55	-84.54	-65
	150	100	-79.55	-79.51	-65
	250	100	-82.73	-82.80	-65
	350	100	-83.35	-83.71	-65
	>400 to 12000	30 (s)	-88.89	-87.26	-75
799.05	9.375	6.25	-44.35	-49.27	-40
	15.625	6.25	-74.39	-74.43	-60
	21.875	6.25	-79.14	-77.82	-60
	37.5	25	-77.95	-78.11	-60
	62.5	25	-82.74	-83.02	-65
	87.5	25	-84.28	-84.26	-65
	150	100	-79.36	-79.40	-65
	250	100	-82.51	-82.36	-65
	350	100	-82.96	-83.40	-65
	>400 to 12000	30 (s)	-88.42	-87.60	-75
804.95	9.375	6.25	-50.29	-54.40	-40
	15.625	6.25	-74.12	-71.95	-60
	21.875	6.25	-75.75	-75.26	-60
	37.5	25	-76.98	-77.12	-60
	62.5	25	-82.60	-82.74	-65
	87.5	25	-84.22	-84.10	-65
	150	100	-79.05	-79.00	-65
	250	100	-82.23	-82.52	-65
	350	100	-82.83	-83.23	-65
	>400 to 12000	30 (s)	-88.18	-87.73	-75
805.95	9.375	6.25	-45.38	-46.96	-40
	15.625	6.25	-74.61	-74.49	-60
	21.875	6.25	-77.76	-76.71	-60
	37.5	25	-77.07	-77.03	-60
	62.5	25	-82.60	-82.52	-65
	87.5	25	-84.04	-84.33	-65
	150	100	-78.41	-78.54	-65
	250	100	-81.62	-81.58	-65
	350	100	-82.42	-82.53	-65
	>400 to 12000	30 (s)	-88.48	-87.62	-75

4K00F1E, 4K00F1D, 4K00F7W(High Power)

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
768.05	6.25	6.25	-49.16	-52.94	-40
	12.5	6.25	-71.16	-71.33	-60
	18.75	6.25	-75.55	-75.64	-60
	25	6.25	-79.43	-79.59	-65
	37.5	25	-76.74	-77.01	-65
	62.5	25	-82.01	-81.99	-65
	87.5	25	-83.41	-83.67	-65
	150	100	-79.02	-79.13	-65
	250	100	-82.26	-82.34	-65
	350	100	-82.84	-83.06	-65
	>400 to 12000	30 (s)	-85.22	-85.00	-75
769.05	6.25	6.25	-48.90	-53.66	-40
	12.5	6.25	-70.73	-70.88	-60
	18.75	6.25	-75.23	-75.35	-60
	25	6.25	-79.31	-79.49	-65
	37.5	25	-76.64	-76.96	-65
	62.5	25	-82.08	-81.94	-65
	87.5	25	-83.53	-83.68	-65
	150	100	-78.86	-78.93	-65
	250	100	-82.01	-82.16	-65
	350	100	-82.79	-83.07	-65
	>400 to 12000	30 (s)	-85.55	-84.26	-75
774.95	6.25	6.25	-48.36	-53.18	-40
	12.5	6.25	-70.32	-70.55	-60
	18.75	6.25	-75.07	-75.15	-60
	25	6.25	-78.75	-78.95	-65
	37.5	25	-76.62	-76.72	-65
	62.5	25	-81.65	-81.61	-65
	87.5	25	-82.89	-83.06	-65
	150	100	-78.78	-78.35	-65
	250	100	-81.57	-82.08	-65
	350	100	-82.54	-82.67	-65
	>400 to 12000	30 (s)	-85.35	-85.14	-75
775.95	6.25	6.25	-48.25	-53.21	-40
	12.5	6.25	-70.41	-70.62	-60
	18.75	6.25	-75.04	-75.12	-60
	25	6.25	-78.95	-79.28	-65
	37.5	25	-77.05	-77.44	-65
	62.5	25	-82.03	-82.40	-65
	87.5	25	-83.43	-83.42	-65
	150	100	-78.41	-78.63	-65
	250	100	-81.79	-81.88	-65
	350	100	-82.56	-82.56	-65
	>400 to 12000	30 (s)	-85.54	-85.34	-75

Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
798.05	6.25	6.25	-48.29	-53.30	-40
	12.5	6.25	-70.71	-70.90	-60
	18.75	6.25	-75.34	-75.37	-60
	25	6.25	-79.21	-79.32	-65
	37.5	25	-77.17	-77.39	-65
	62.5	25	-82.73	-82.38	-65
	87.5	25	-84.46	-84.36	-65
	150	100	-79.22	-79.19	-65
	250	100	-82.63	-82.57	-65
	350	100	-83.31	-83.50	-65
	>400 to 12000	30 (s)	-85.36	-85.08	-75
799.05	6.25	6.25	-48.83	-53.39	-40
	12.5	6.25	-70.60	-70.70	-60
	18.75	6.25	-75.39	-75.55	-60
	25	6.25	-78.95	-79.11	-65
	37.5	25	-77.00	-77.08	-65
	62.5	25	-82.31	-82.41	-65
	87.5	25	-83.99	-84.24	-65
	150	100	-79.93	-79.88	-65
	250	100	-82.95	-83.07	-65
	350	100	-83.80	-83.75	-65
	>400 to 12000	30 (s)	-85.15	-85.42	-75
804.95	6.25	6.25	-48.86	-53.29	-40
	12.5	6.25	-71.14	-71.35	-60
	18.75	6.25	-75.62	-75.77	-60
	25	6.25	-79.65	-79.83	-65
	37.5	25	-77.30	-77.27	-65
	62.5	25	-82.78	-82.83	-65
	87.5	25	-84.34	-84.29	-65
	150	100	-78.73	-78.65	-65
	250	100	-81.70	-81.86	-65
	350	100	-82.66	-82.79	-65
	>400 to 12000	30 (s)	-84.92	-85.59	-75
805.95	6.25	6.25	-49.00	-52.98	-40
	12.5	6.25	-70.87	-71.02	-60
	18.75	6.25	-75.42	-75.59	-60
	25	6.25	-79.51	-79.61	-65
	37.5	25	-77.03	-77.15	-65
	62.5	25	-82.50	-82.20	-65
	87.5	25	-84.13	-83.79	-65
	150	100	-78.97	-78.94	-65
	250	100	-82.26	-81.92	-65
	350	100	-82.52	-82.96	-65
	>400 to 12000	30 (s)	-85.17	-85.06	-75

4K00F2D(High Power)

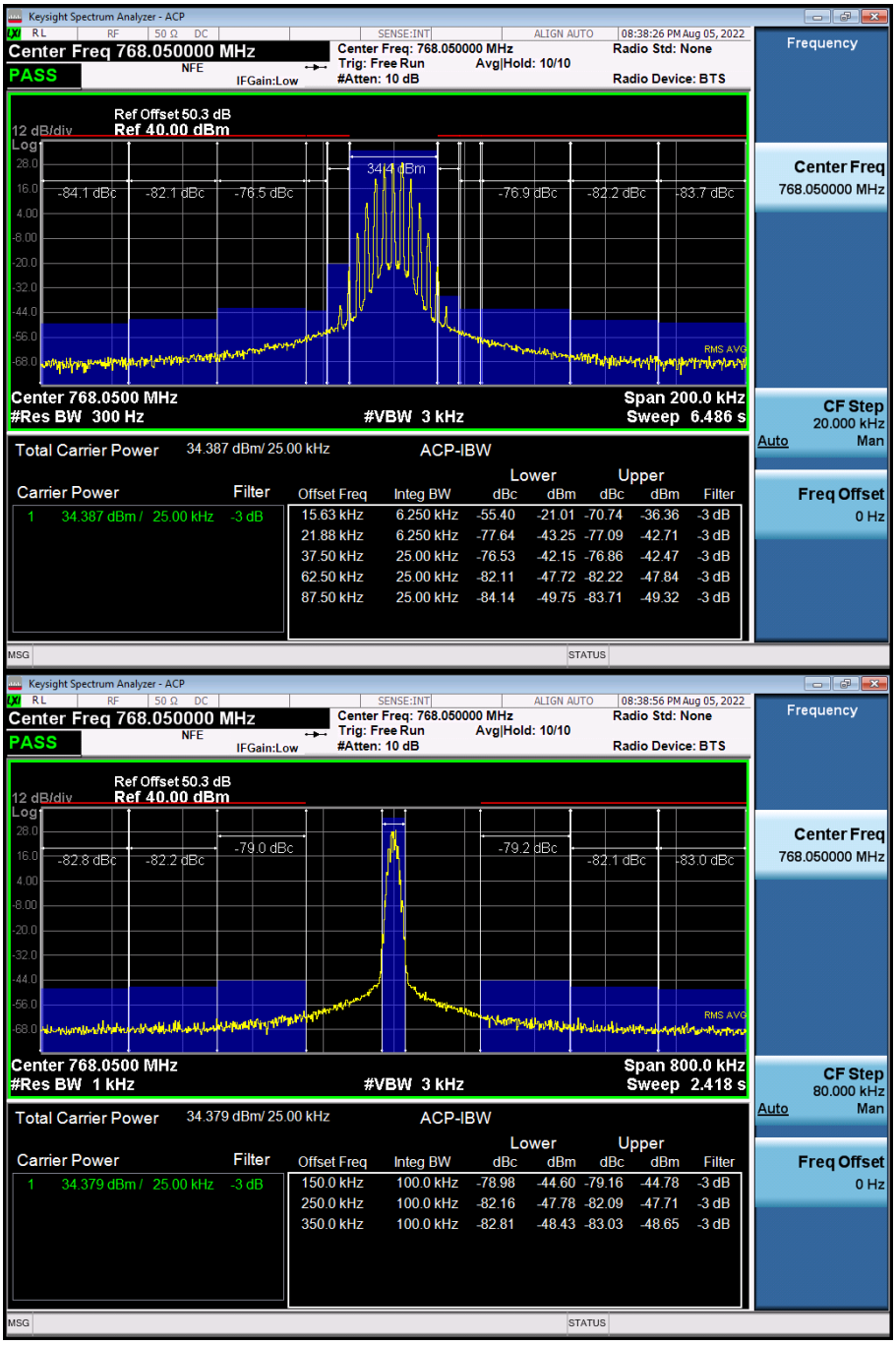
Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
768.05	6.25	6.25	-44.20	-53.88	-40
	12.5	6.25	-72.05	-72.28	-60
	18.75	6.25	-76.30	-76.61	-60
	25	6.25	-79.82	-79.91	-65
	37.5	25	-77.65	-77.59	-65
	62.5	25	-82.67	-82.79	-65
	87.5	25	-84.25	-84.06	-65
	150	100	-79.39	-79.28	-65
	250	100	-82.78	-82.62	-65
	350	100	-83.52	-83.71	-65
	>400 to 12000	30 (s)	-85.85	-85.51	-75
769.05	6.25	6.25	-43.71	-48.40	-40
	12.5	6.25	-71.23	-71.37	-60
	18.75	6.25	-75.62	-75.71	-60
	25	6.25	-79.45	-79.52	-65
	37.5	25	-77.25	-77.24	-65
	62.5	25	-82.50	-82.68	-65
	87.5	25	-84.12	-84.20	-65
	150	100	-79.16	-79.38	-65
	250	100	-82.47	-82.69	-65
	350	100	-83.49	-83.74	-65
	>400 to 12000	30 (s)	-85.21	-85.22	-75
774.95	6.25	6.25	-43.60	-48.39	-40
	12.5	6.25	-70.56	-70.76	-60
	18.75	6.25	-75.05	-75.15	-60
	25	6.25	-78.91	-79.12	-65
	37.5	25	-76.86	-76.85	-65
	62.5	25	-81.86	-81.88	-65
	87.5	25	-83.05	-83.16	-65
	150	100	-79.35	-79.05	-65
	250	100	-82.43	-82.62	-65
	350	100	-82.97	-83.53	-65
	>400 to 12000	30 (s)	-85.52	-84.73	-75
775.95	6.25	6.25	-43.54	-44.38	-40
	12.5	6.25	-73.33	-73.54	-60
	18.75	6.25	-77.41	-77.44	-60
	25	6.25	-80.87	-80.99	-65
	37.5	25	-78.16	-78.54	-65
	62.5	25	-82.50	-82.76	-65
	87.5	25	-83.18	-83.66	-65
	150	100	-79.10	-78.96	-65
	250	100	-82.50	-82.24	-65
	350	100	-82.91	-83.33	-65
	>400 to 12000	30 (s)	-85.64	-84.27	-75

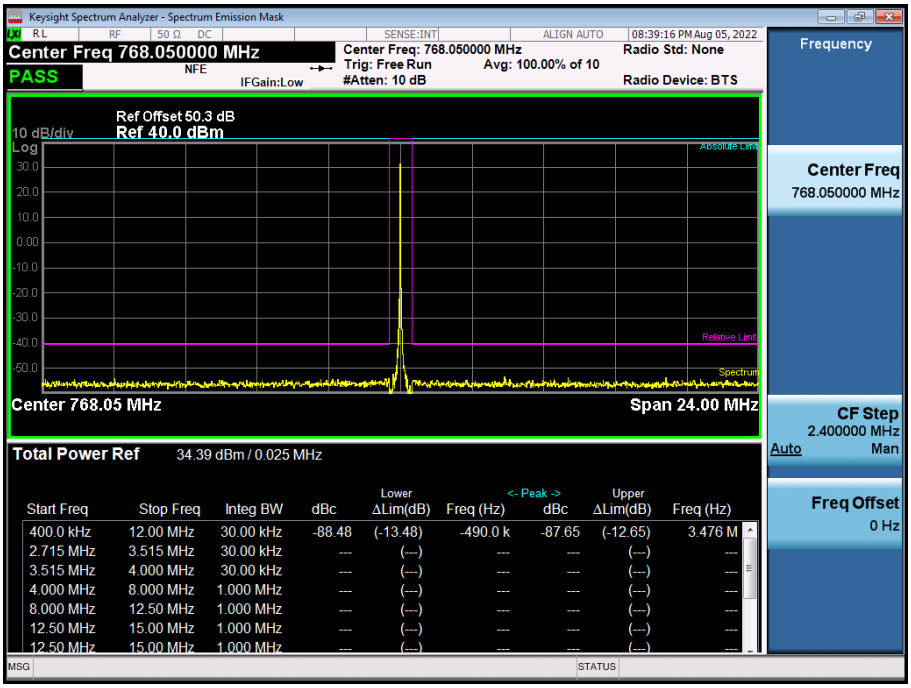
Frequency (MHz)	offset from center frequency (kHz)	Mea. BW (kHz)	Lower (dBc)	Upper (dBc)	Limit (dBc)
798.05	6.25	6.25	-43.57	-52.70	-40
	12.5	6.25	-72.08	-72.27	-60
	18.75	6.25	-76.67	-76.75	-60
	25	6.25	-80.13	-80.26	-65
	37.5	25	-77.99	-78.25	-65
	62.5	25	-82.89	-83.12	-65
	87.5	25	-84.47	-84.48	-65
	150	100	-79.42	-79.34	-65
	250	100	-82.19	-82.29	-65
	350	100	-82.95	-83.15	-65
	>400 to 12000	30 (s)	-84.38	-85.43	-75
799.05	6.25	6.25	-43.54	-55.43	-40
	12.5	6.25	-71.53	-71.84	-60
	18.75	6.25	-76.27	-76.46	-60
	25	6.25	-79.79	-80.13	-65
	37.5	25	-77.70	-77.83	-65
	62.5	25	-82.77	-82.72	-65
	87.5	25	-84.26	-84.29	-65
	150	100	-79.31	-79.42	-65
	250	100	-82.46	-82.50	-65
	350	100	-83.35	-83.41	-65
	>400 to 12000	30 (s)	-85.75	-85.79	-75
804.95	6.25	6.25	-43.39	-48.74	-40
	12.5	6.25	-71.26	-71.55	-60
	18.75	6.25	-75.65	-75.71	-60
	25	6.25	-79.50	-79.39	-65
	37.5	25	-77.13	-77.05	-65
	62.5	25	-82.55	-82.46	-65
	87.5	25	-84.34	-84.38	-65
	150	100	-79.28	-79.24	-65
	250	100	-82.25	-82.77	-65
	350	100	-83.30	-83.43	-65
	>400 to 12000	30 (s)	-85.60	-85.24	-75
805.95	6.25	6.25	-43.37	-49.04	-40
	12.5	6.25	-70.42	-70.56	-60
	18.75	6.25	-75.19	-75.32	-60
	25	6.25	-79.16	-79.26	-65
	37.5	25	-77.17	-77.33	-65
	62.5	25	-82.47	-82.41	-65
	87.5	25	-84.42	-84.26	-65
	150	100	-79.03	-79.30	-65
	250	100	-82.45	-82.56	-65
	350	100	-83.21	-83.34	-65
	>400 to 12000	30 (s)	-85.32	-85.24	-75

▣ Plots of Adjacent Channel Power

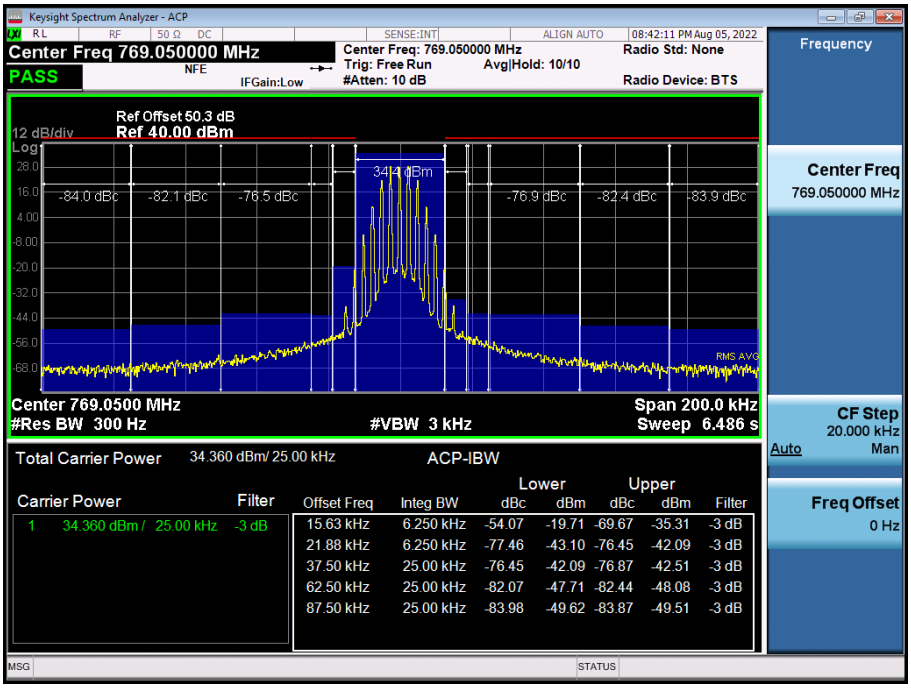
16K0F3E(High Power)

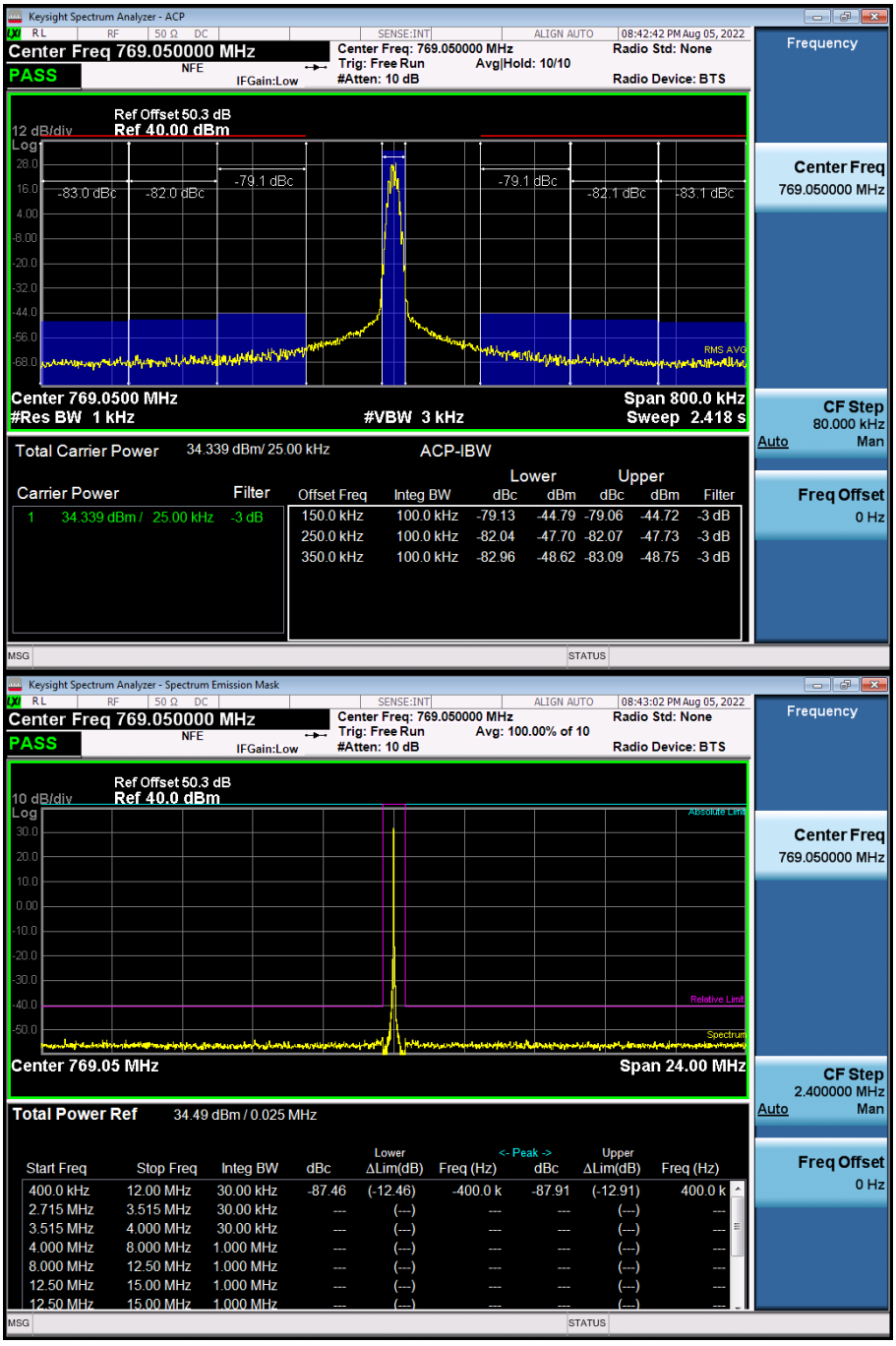
768.05MHz



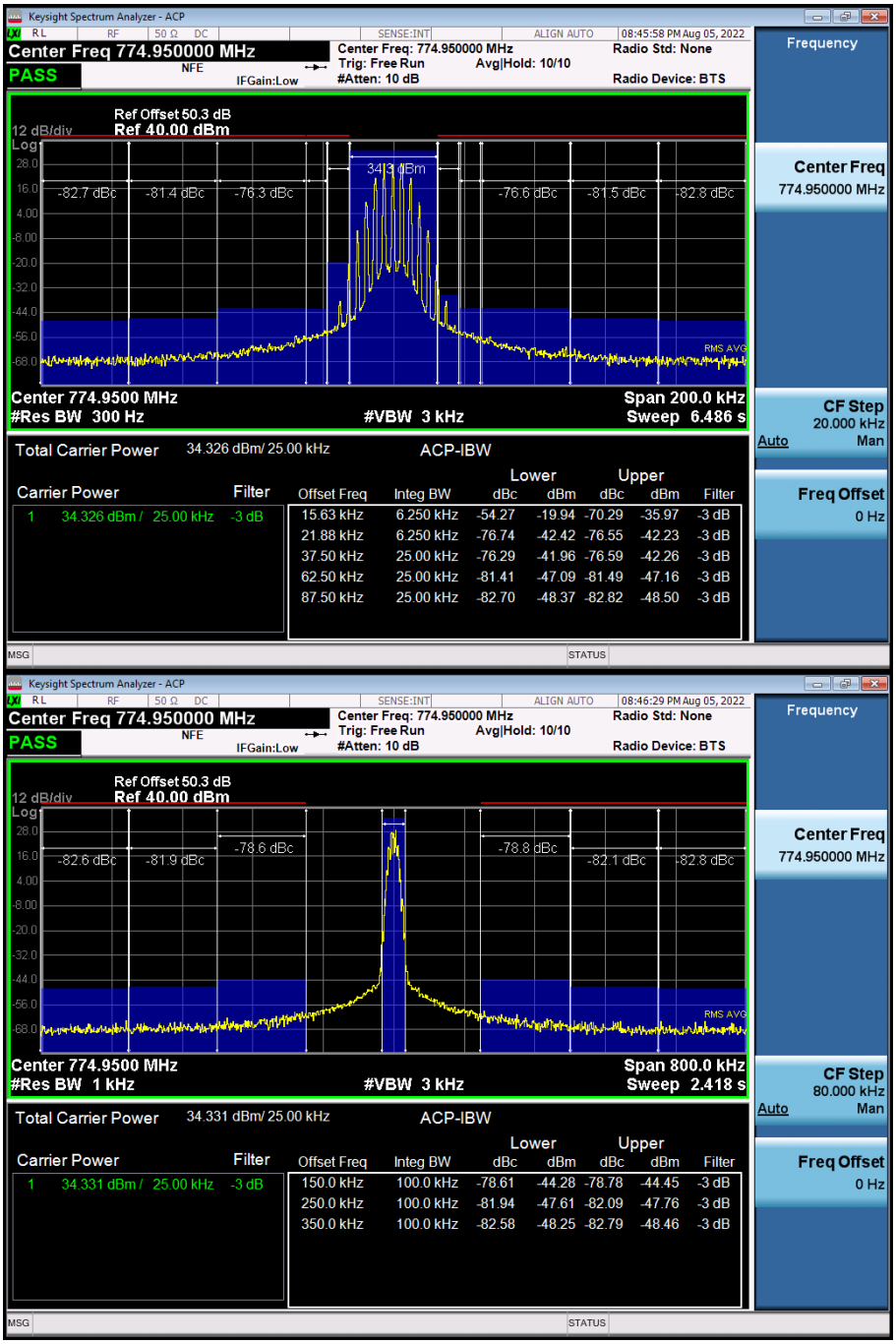

Keysight Spectrum Analyzer - Spectrum Emission Mask
Center Freq 768.050000 MHz
PASS
NFE
IFGain:Low
Center Freq: 768.050000 MHz
Trig: Free Run
Avg: 100.00% of 10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
08:39:16 PM Aug 05, 2022
Ref Offset 50.3 dB
10 dB/div
Ref 40.0 dBm
Log
Absolute Limit
Relative Limit
Spectrum
Center 768.05 MHz
Span 24.00 MHz
Total Power Ref
34.39 dBm / 0.025 MHz
Start Freq
Stop Freq
Integ BW
dBc
Lower ΔLim(dB)
Freq (Hz)
<- Peak ->
dBc
Upper ΔLim(dB)
Freq (Hz)
400.0 kHz 12.00 MHz 30.00 kHz -88.48 (-13.48) -490.0 k -87.65 (-12.65) 3.476 M
2.715 MHz 3.515 MHz 30.00 kHz --- (---) --- --- (---) ---
3.515 MHz 4.000 MHz 30.00 kHz --- (---) --- --- (---) ---
4.000 MHz 8.000 MHz 1.000 MHz --- (---) --- --- (---) ---
8.000 MHz 12.50 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
MSG
STATUS
Frequency
Center Freq
768.050000 MHz
CF Step
2.400000 MHz
Auto
Man
Freq Offset
0 Hz

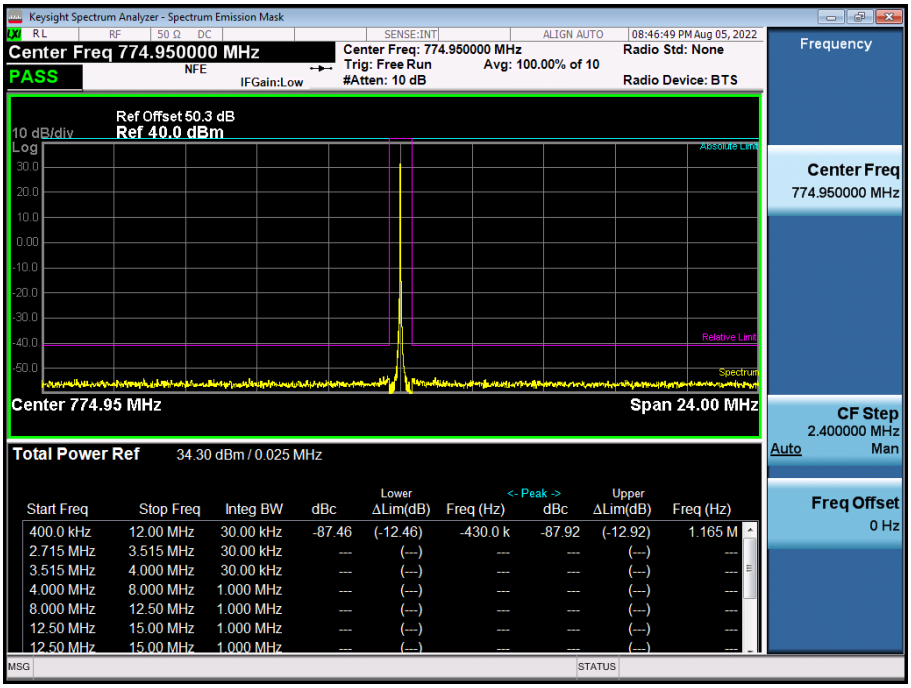
769.05MHz


Keysight Spectrum Analyzer - ACP
Center Freq 769.050000 MHz
PASS
NFE
IFGain:Low
Center Freq: 769.050000 MHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
08:42:11 PM Aug 05, 2022
Ref Offset 50.3 dB
12 dB/div
Ref 40.00 dBm
Log
34.4 dBm
-84.0 dBc
-82.1 dBc
-76.5 dBc
-76.9 dBc
-82.4 dBc
-83.9 dBc
RMS AVG
Center 769.0500 MHz
#Res BW 300 Hz
#VBW 3 kHz
Span 200.0 kHz
Sweep 6.486 s
Total Carrier Power
34.360 dBm/ 25.00 kHz
ACP-IBW
Carrier Power
Filter
1 34.360 dBm / 25.00 kHz -3 dB
Offset Freq
Integ BW
Lower dBc
Lower dBm
Upper dBc
Upper dBm
Filter
15.63 kHz 6.250 kHz -54.07 -19.71 -69.67 -35.31 -3 dB
21.88 kHz 6.250 kHz -77.46 -43.10 -76.45 -42.09 -3 dB
37.50 kHz 25.00 kHz -76.45 -42.09 -76.87 -42.51 -3 dB
62.50 kHz 25.00 kHz -82.07 -47.71 -82.44 -48.08 -3 dB
87.50 kHz 25.00 kHz -83.98 -49.62 -83.87 -49.51 -3 dB
MSG
STATUS
Frequency
Center Freq
769.050000 MHz
CF Step
20.000 kHz
Auto
Man
Freq Offset
0 Hz

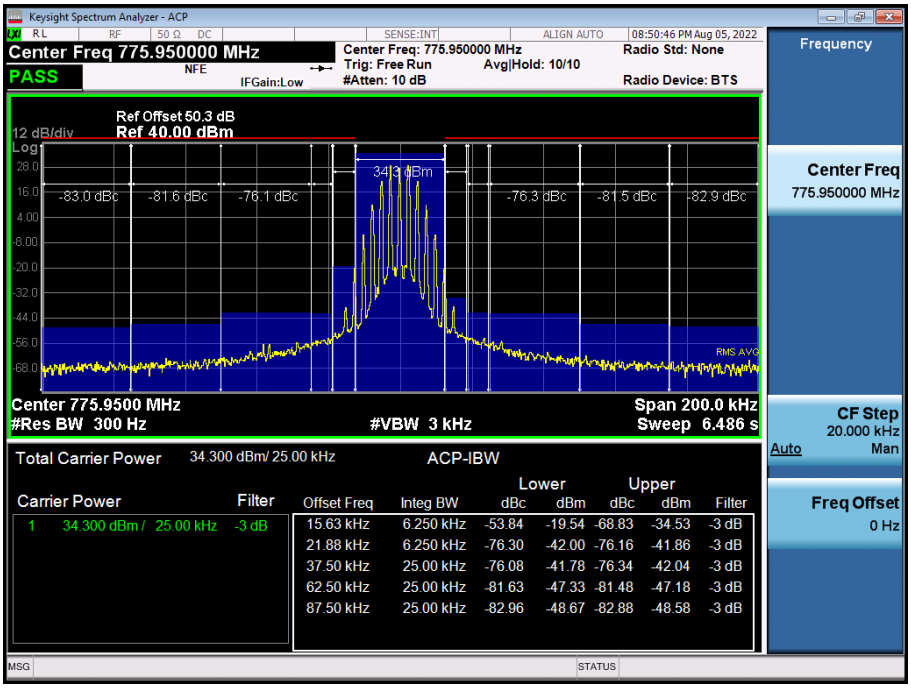

Keysight Spectrum Analyzer - ACP
Center Freq 769.050000 MHz
PASS
NFE
IFGain:Low
Center Freq: 769.050000 MHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
08:42:42 PM Aug 05, 2022
Frequency
Ref Offset 50.3 dB
12 dB/div
Ref 40.00 dBm
-83.0 dBc
-82.0 dBc
-79.1 dBc
-79.1 dBc
-82.1 dBc
-83.1 dBc
RMS AVG
Center 769.0500 MHz
#Res BW 1 kHz
#VBW 3 kHz
Span 800.0 kHz
Sweep 2.418 s
Center Freq
769.050000 MHz
CF Step
80.000 kHz
Auto
Man
Freq Offset
0 Hz
Total Carrier Power
34.339 dBm/ 25.00 kHz
ACP-IBW
Carrier Power
Filter
1 34.339 dBm / 25.00 kHz -3 dB
Offset Freq
Integ BW
Lower dBc
Lower dBm
Upper dBc
Upper dBm
Filter
150.0 kHz 100.0 kHz -79.13 -44.79 -79.06 -44.72 -3 dB
250.0 kHz 100.0 kHz -82.04 -47.70 -82.07 -47.73 -3 dB
350.0 kHz 100.0 kHz -82.96 -48.62 -83.09 -48.75 -3 dB
MSG
STATUS
Keysight Spectrum Analyzer - Spectrum Emission Mask
Center Freq 769.050000 MHz
PASS
NFE
IFGain:Low
Center Freq: 769.050000 MHz
Trig: Free Run
Avg: 100.00% of 10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
08:43:02 PM Aug 05, 2022
Frequency
Ref Offset 50.3 dB
10 dB/div
Ref 40.0 dBm
Absolute Limit
Relative Limit
Spectrum
Center 769.05 MHz
Span 24.00 MHz
Center Freq
769.050000 MHz
CF Step
2.400000 MHz
Auto
Man
Freq Offset
0 Hz
Total Power Ref
34.49 dBm / 0.025 MHz
Start Freq
Stop Freq
Integ BW
dBc
Lower ΔLim(dB)
<- Peak -> Freq (Hz)
<- Peak -> dBc
Upper ΔLim(dB)
Freq (Hz)
400.0 kHz 12.00 MHz 30.00 kHz -87.46 (-12.46) -400.0 k -87.91 (-12.91) 400.0 k
2.715 MHz 3.515 MHz 30.00 kHz --- (---) --- --- (---) ---
3.515 MHz 4.000 MHz 30.00 kHz --- (---) --- --- (---) ---
4.000 MHz 8.000 MHz 1.000 MHz --- (---) --- --- (---) ---
8.000 MHz 12.50 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
MSG
STATUS

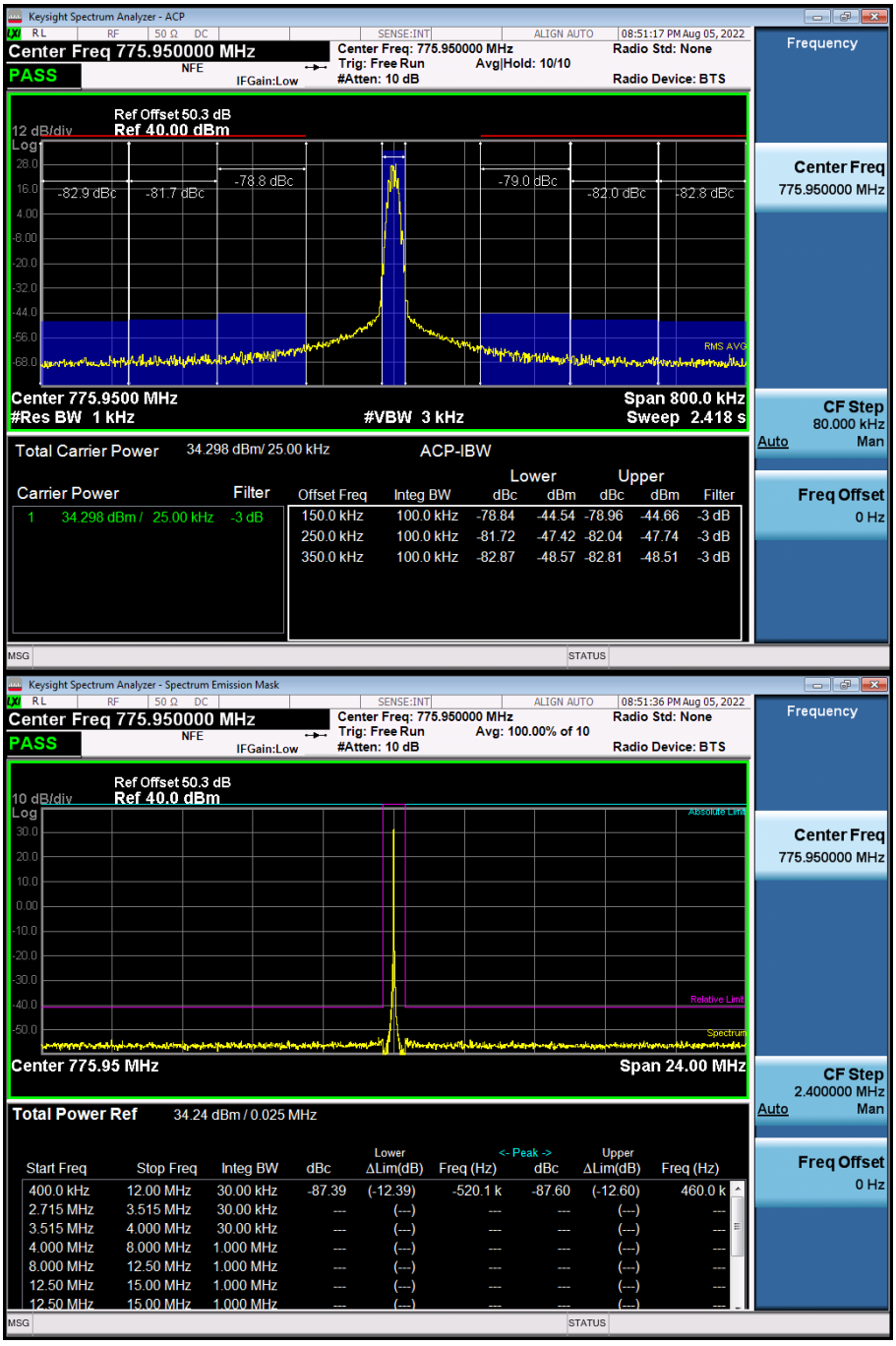
774.95MHz


Keysight Spectrum Analyzer - ACP
Center Freq 774.950000 MHz
PASS
NFE
IFGain:Low
Center Freq: 774.950000 MHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
08:45:58 PM Aug 05, 2022
Frequency
Ref Offset 50.3 dB
12 dB/div
Ref 40.00 dBm
Log
34.33 dBm
-82.7 dBc
-81.4 dBc
-76.3 dBc
-76.6 dBc
-81.5 dBc
-82.8 dBc
RMS AVG
Center 774.9500 MHz
#Res BW 300 Hz
#VBW 3 kHz
Span 200.0 kHz
Sweep 6.486 s
Center Freq
774.950000 MHz
CF Step
20.000 kHz
Auto
Man
Freq Offset
0 Hz
Total Carrier Power
34.326 dBm/ 25.00 kHz
ACP-IBW
Carrier Power
Filter
1 34.326 dBm / 25.00 kHz -3 dB
Lower
Upper
Offset Freq
Integ BW
dBc
dBm
dBc
dBm
Filter
15.63 kHz 6.250 kHz -54.27 -19.94 -70.29 -35.97 -3 dB
21.88 kHz 6.250 kHz -76.74 -42.42 -76.55 -42.23 -3 dB
37.50 kHz 25.00 kHz -76.29 -41.96 -76.59 -42.26 -3 dB
62.50 kHz 25.00 kHz -81.41 -47.09 -81.49 -47.16 -3 dB
87.50 kHz 25.00 kHz -82.70 -48.37 -82.82 -48.50 -3 dB
MSG
STATUS
Keysight Spectrum Analyzer - ACP
Center Freq 774.950000 MHz
PASS
NFE
IFGain:Low
Center Freq: 774.950000 MHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
08:46:29 PM Aug 05, 2022
Frequency
Ref Offset 50.3 dB
12 dB/div
Ref 40.00 dBm
Log
-82.6 dBc
-81.9 dBc
-78.6 dBc
-78.8 dBc
-82.1 dBc
-82.8 dBc
RMS AVG
Center 774.9500 MHz
#Res BW 1 kHz
#VBW 3 kHz
Span 800.0 kHz
Sweep 2.418 s
Center Freq
774.950000 MHz
CF Step
80.000 kHz
Auto
Man
Freq Offset
0 Hz
Total Carrier Power
34.331 dBm/ 25.00 kHz
ACP-IBW
Carrier Power
Filter
1 34.331 dBm / 25.00 kHz -3 dB
Lower
Upper
Offset Freq
Integ BW
dBc
dBm
dBc
dBm
Filter
150.0 kHz 100.0 kHz -78.61 -44.28 -78.78 -44.45 -3 dB
250.0 kHz 100.0 kHz -81.94 -47.61 -82.09 -47.76 -3 dB
350.0 kHz 100.0 kHz -82.58 -48.25 -82.79 -48.46 -3 dB
MSG
STATUS


Keysight Spectrum Analyzer - Spectrum Emission Mask
Center Freq 774.950000 MHz
PASS
NFE
IFGain:Low
Center Freq: 774.950000 MHz
Trig: Free Run
Avg: 100.00% of 10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
08:46:49 PM Aug 05, 2022
Ref Offset 50.3 dB
10 dB/div
Ref 40.0 dBm
Log
Absolute Limit
Relative Limit
Spectrum
Center 774.95 MHz
Span 24.00 MHz
Total Power Ref
34.30 dBm / 0.025 MHz
Start Freq
Stop Freq
Integ BW
dBc
Lower ΔLim(dB)
Freq (Hz)
<- Peak ->
dBc
Upper ΔLim(dB)
Freq (Hz)
400.0 kHz 12.00 MHz 30.00 kHz -87.46 (-12.46) -430.0 k -87.92 (-12.92) 1.165 M
2.715 MHz 3.515 MHz 30.00 kHz --- (---) --- --- (---) ---
3.515 MHz 4.000 MHz 30.00 kHz --- (---) --- --- (---) ---
4.000 MHz 8.000 MHz 1.000 MHz --- (---) --- --- (---) ---
8.000 MHz 12.50 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
MSG
STATUS
Frequency
Center Freq
774.950000 MHz
CF Step
2.400000 MHz
Auto
Man
Freq Offset
0 Hz

775.95MHz


Keysight Spectrum Analyzer - ACP
Center Freq 775.950000 MHz
PASS
NFE
IFGain:Low
Center Freq: 775.950000 MHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
08:50:46 PM Aug 05, 2022
Ref Offset 50.3 dB
12 dB/div
Ref 40.00 dBm
Log
34[illegible] dBm
-83.0 dBc
-81.6 dBc
-76.1 dBc
-76.3 dBc
-81.5 dBc
-82.9 dBc
RMS AVG
Center 775.9500 MHz
#Res BW 300 Hz
#VBW 3 kHz
Span 200.0 kHz
Sweep 6.486 s
Total Carrier Power
34.300 dBm/ 25.00 kHz
ACP-IBW
Carrier Power
Filter
1 34.300 dBm / 25.00 kHz -3 dB
Offset Freq
Integ BW
Lower dBc
Lower dBm
Upper dBc
Upper dBm
Filter
15.63 kHz 6.250 kHz -53.84 -19.54 -68.83 -34.53 -3 dB
21.88 kHz 6.250 kHz -76.30 -42.00 -76.16 -41.86 -3 dB
37.50 kHz 25.00 kHz -76.08 -41.78 -76.34 -42.04 -3 dB
62.50 kHz 25.00 kHz -81.63 -47.33 -81.48 -47.18 -3 dB
87.50 kHz 25.00 kHz -82.96 -48.67 -82.88 -48.58 -3 dB
MSG
STATUS
Frequency
Center Freq
775.950000 MHz
CF Step
20.000 kHz
Auto
Man
Freq Offset
0 Hz


Keysight Spectrum Analyzer - ACP
Center Freq 775.950000 MHz
PASS
NFE
IFGain:Low
Center Freq: 775.950000 MHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
08:51:17 PM Aug 05, 2022
Frequency
Ref Offset 50.3 dB
12 dB/div
Ref 40.00 dBm
-82.9 dBc
-81.7 dBc
-78.8 dBc
-79.0 dBc
-82.0 dBc
-82.8 dBc
RMS AVG
Center 775.9500 MHz
#Res BW 1 kHz
#VBW 3 kHz
Span 800.0 kHz
Sweep 2.418 s
Center Freq
775.950000 MHz
CF Step
80.000 kHz
Auto
Man
Freq Offset
0 Hz
Total Carrier Power
34.298 dBm/ 25.00 kHz
ACP-IBW
Carrier Power
Filter
1 34.298 dBm / 25.00 kHz -3 dB
Offset Freq
Integ BW
Lower dBc
Lower dBm
Upper dBc
Upper dBm
Filter
150.0 kHz 100.0 kHz -78.84 -44.54 -78.96 -44.66 -3 dB
250.0 kHz 100.0 kHz -81.72 -47.42 -82.04 -47.74 -3 dB
350.0 kHz 100.0 kHz -82.87 -48.57 -82.81 -48.51 -3 dB
MSG
STATUS
Keysight Spectrum Analyzer - Spectrum Emission Mask
Center Freq 775.950000 MHz
PASS
NFE
IFGain:Low
Center Freq: 775.950000 MHz
Trig: Free Run
Avg: 100.00% of 10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
08:51:36 PM Aug 05, 2022
Frequency
Ref Offset 50.3 dB
10 dB/div
Ref 40.0 dBm
Absolute Limit
Relative Limit
Spectrum
Center 775.95 MHz
Span 24.00 MHz
Center Freq
775.950000 MHz
CF Step
2.400000 MHz
Auto
Man
Freq Offset
0 Hz
Total Power Ref
34.24 dBm / 0.025 MHz
Start Freq
Stop Freq
Integ BW
dBc
Lower ΔLim(dB)
Freq (Hz)
<- Peak ->
dBc
Upper ΔLim(dB)
Freq (Hz)
400.0 kHz 12.00 MHz 30.00 kHz -87.39 (-12.39) -520.1 k -87.60 (-12.60) 460.0 k
2.715 MHz 3.515 MHz 30.00 kHz --- (---) --- --- (---) ---
3.515 MHz 4.000 MHz 30.00 kHz --- (---) --- --- (---) ---
4.000 MHz 8.000 MHz 1.000 MHz --- (---) --- --- (---) ---
8.000 MHz 12.50 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
MSG
STATUS