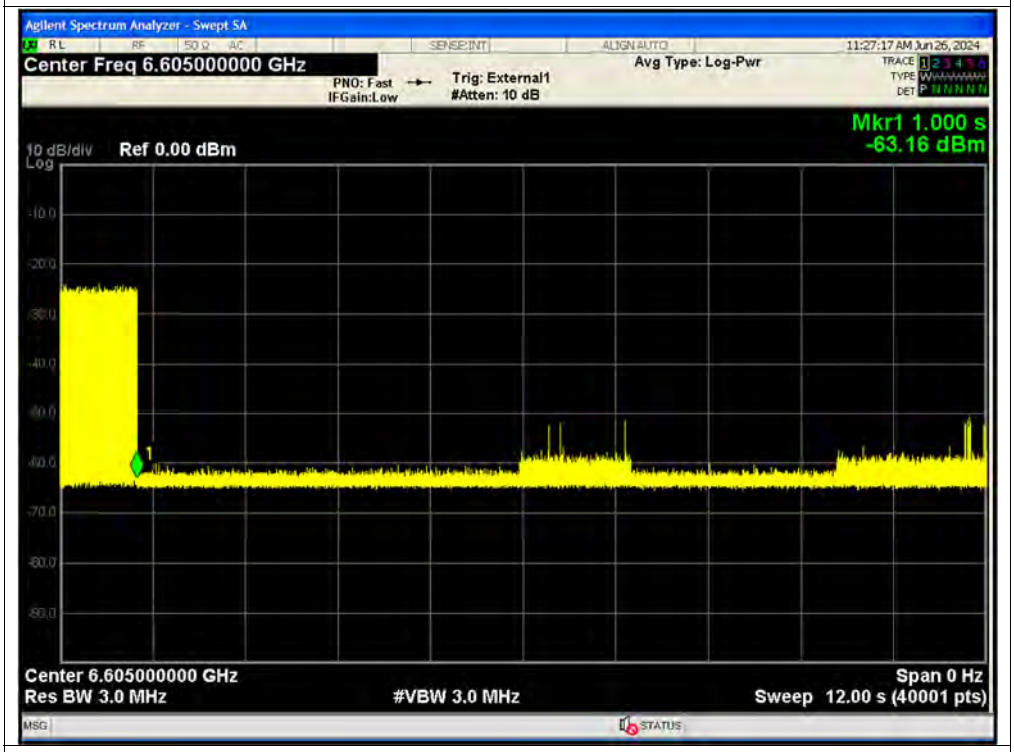
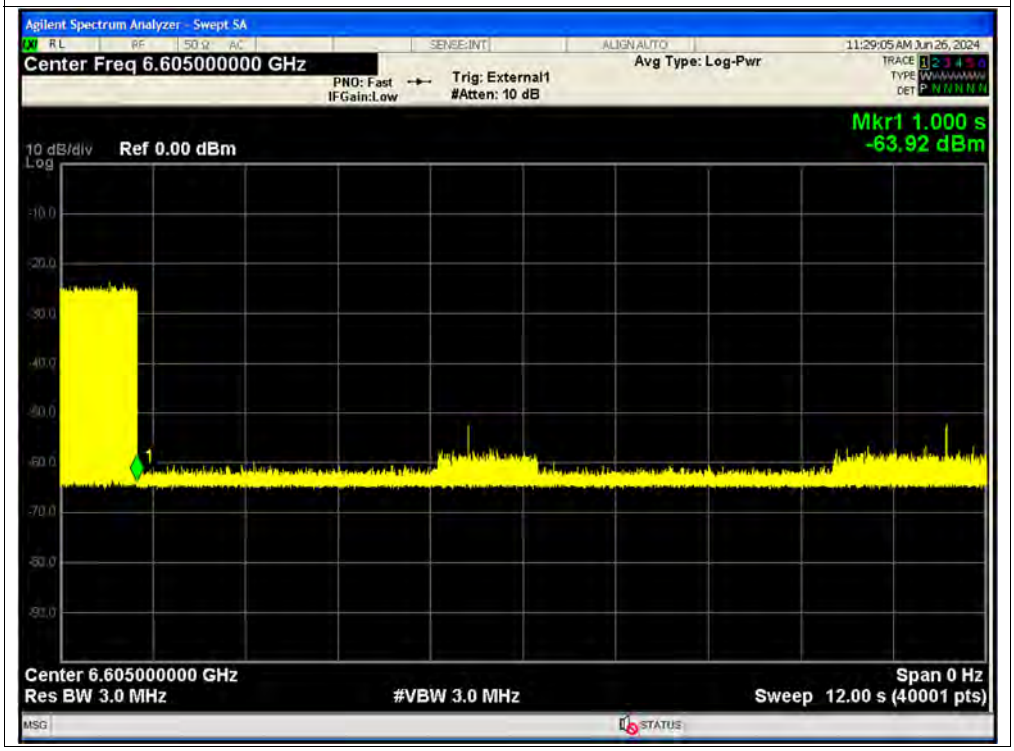
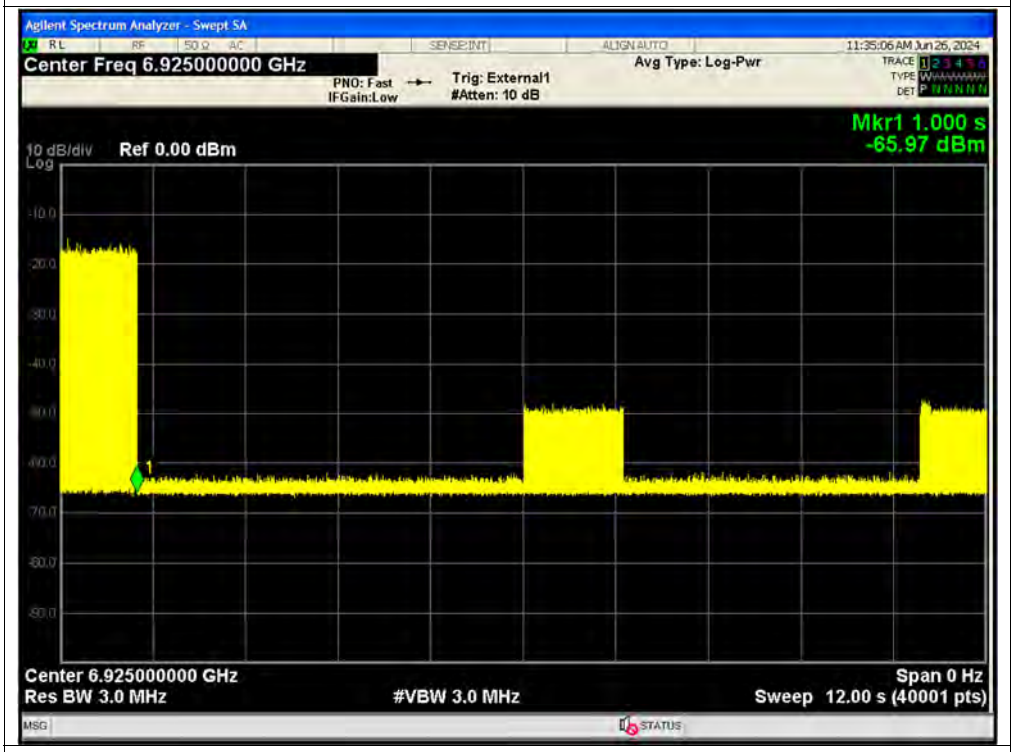
Contention Based Protocol NVNT ax40 6605MHz Interfere 6620 MHz_9



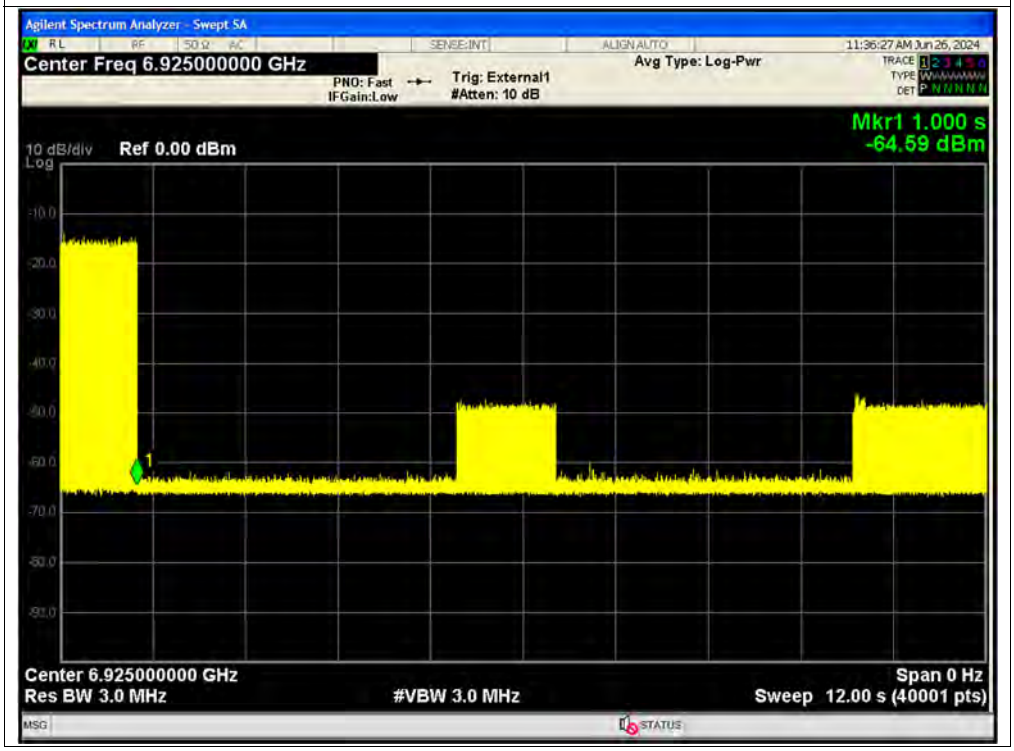
Contention Based Protocol NVNT ax40 6605MHz Interfere 6620 MHz_10



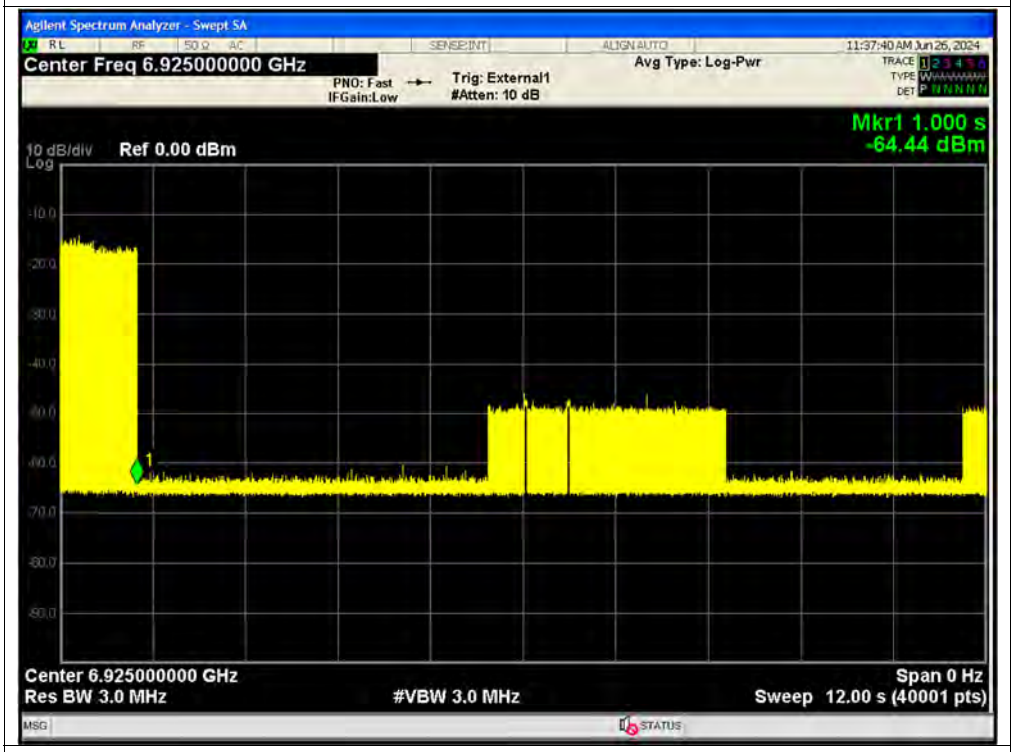
Contention Based Protocol NVNT ax40 6925MHz Interfere 6910 MHz_1



Contention Based Protocol NVNT ax40 6925MHz Interfere 6910 MHz_2

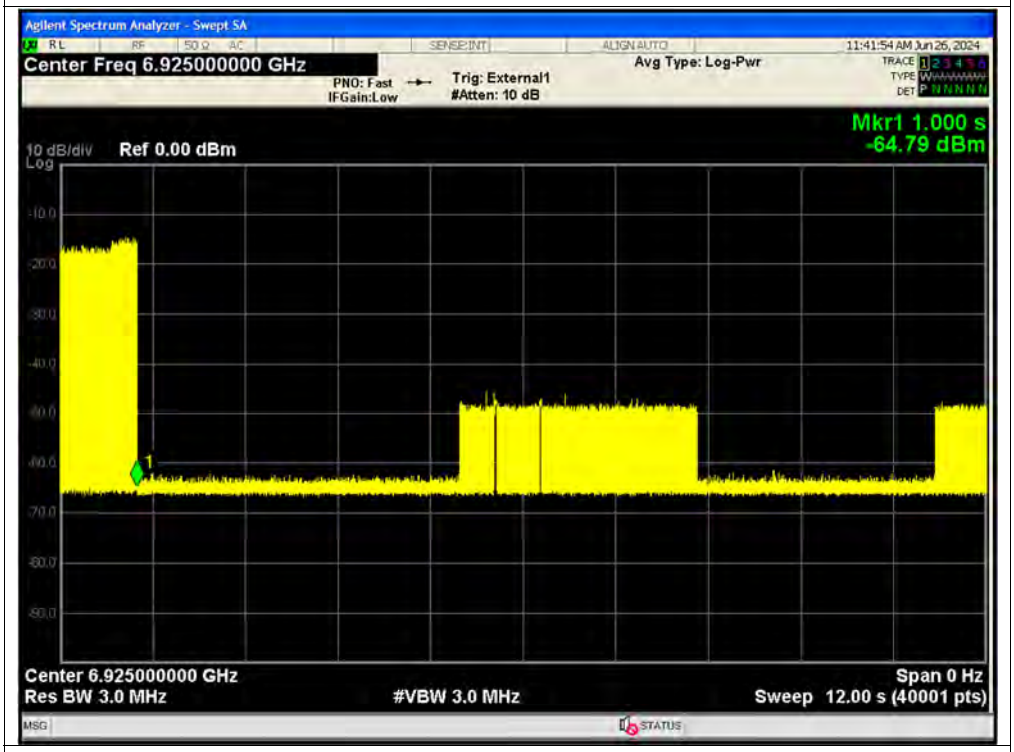


Contention Based Protocol NVNT ax40 6925MHz Interfere 6910 MHz_3

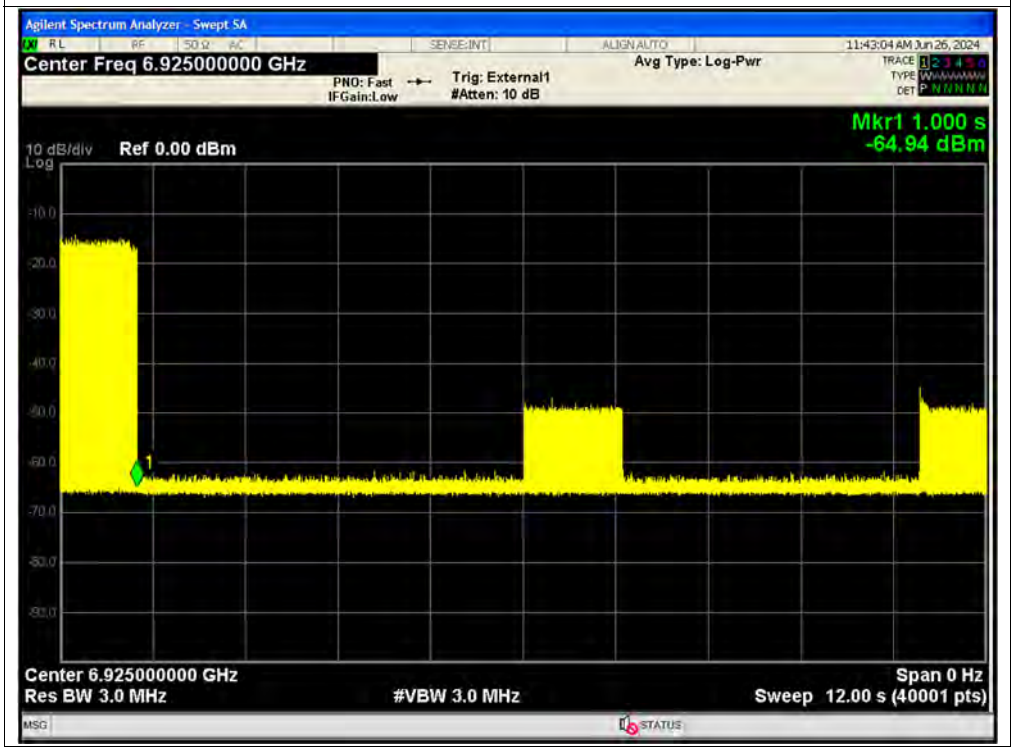


Contention Based Protocol NVNT ax40 6925MHz Interfere 6910 MHz_4

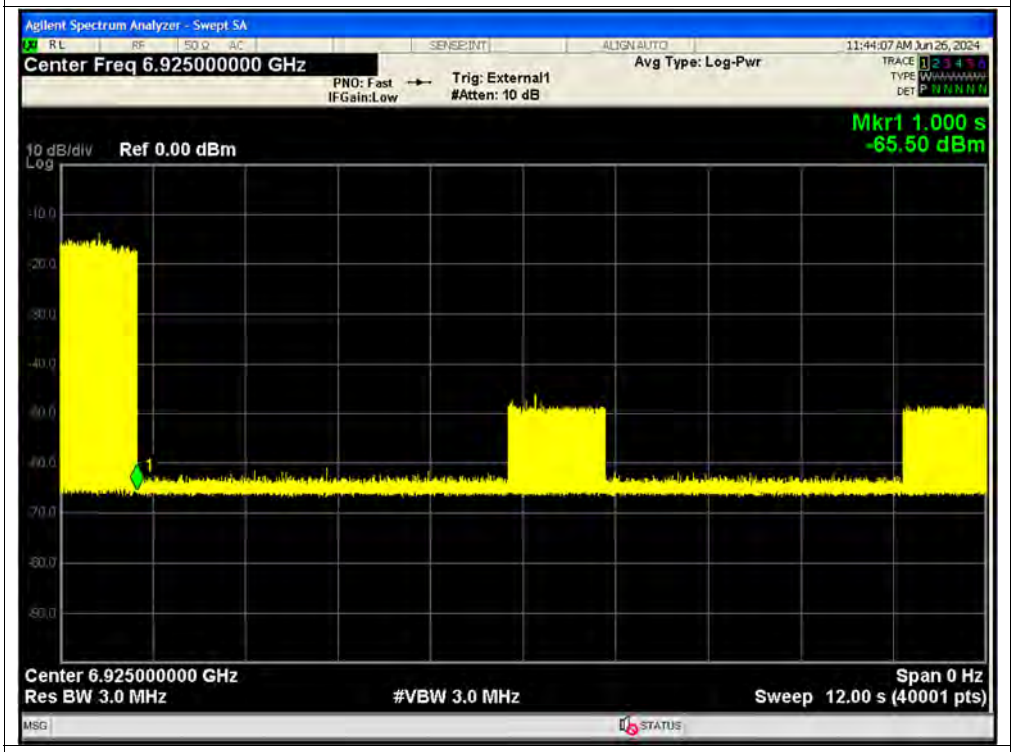
Contention Based Protocol NVNT ax40 6925MHz Interfere 6910 MHz_5



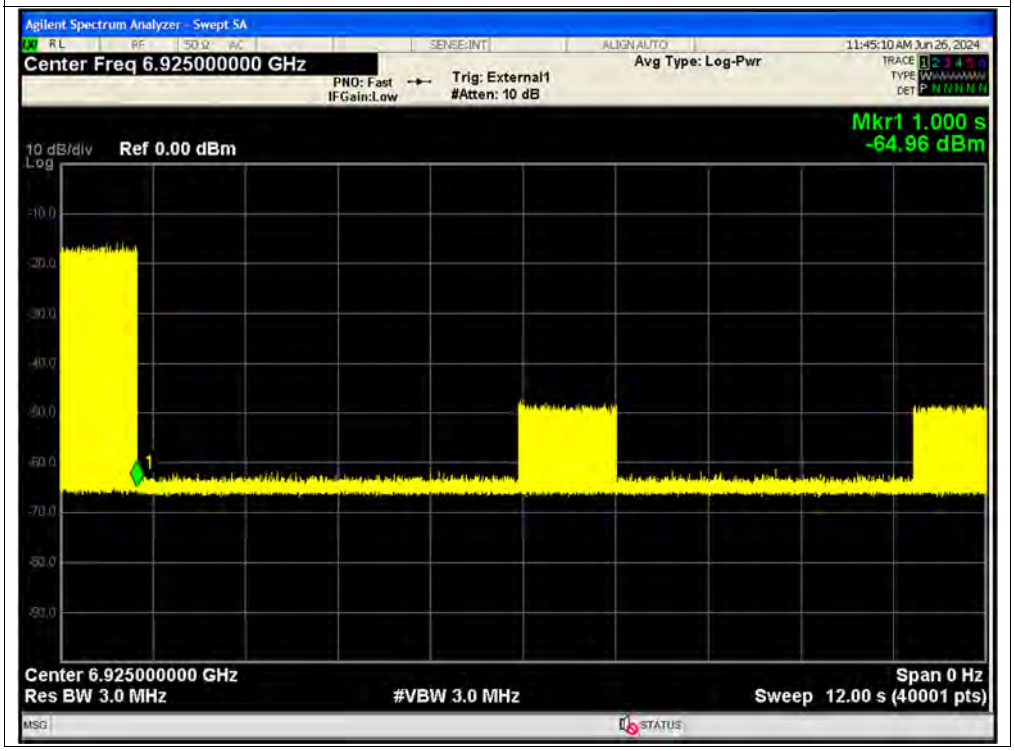
Contention Based Protocol NVNT ax40 6925MHz Interfere 6910 MHz_6



Contention Based Protocol NVNT ax40 6925MHz Interfere 6910 MHz_7

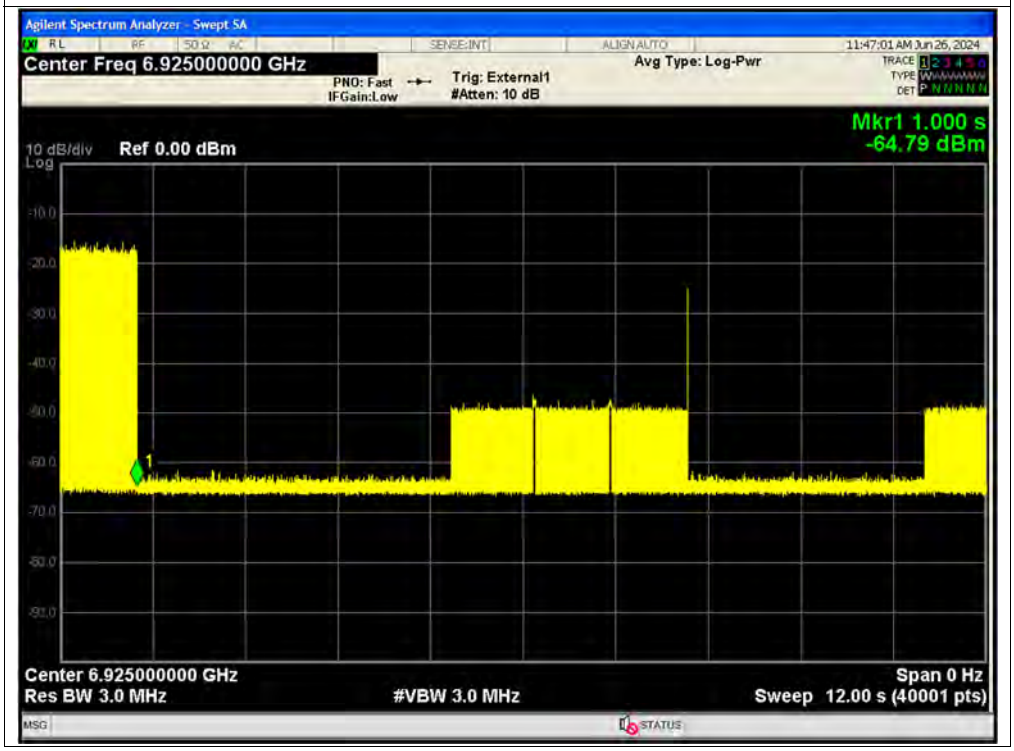


Contention Based Protocol NVNT ax40 6925MHz Interfere 6910 MHz_8



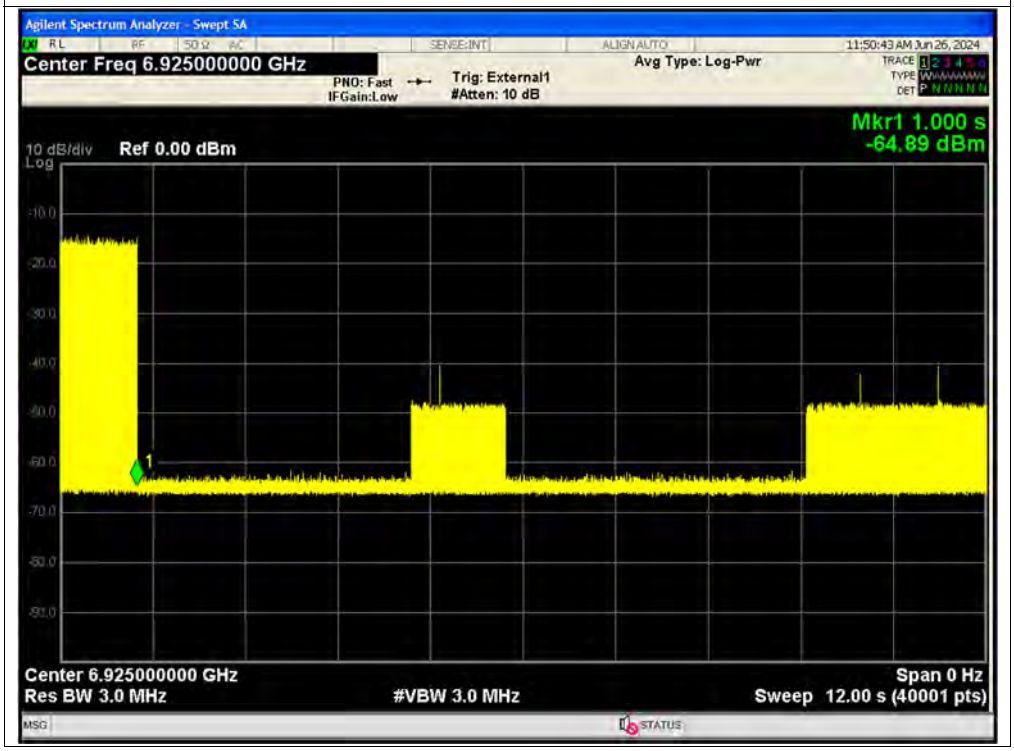
Contention Based Protocol NVNT ax40 6925MHz Interfere 6910 MHz_9

Contention Based Protocol NVNT ax40 6925MHz Interfere 6910 MHz_10

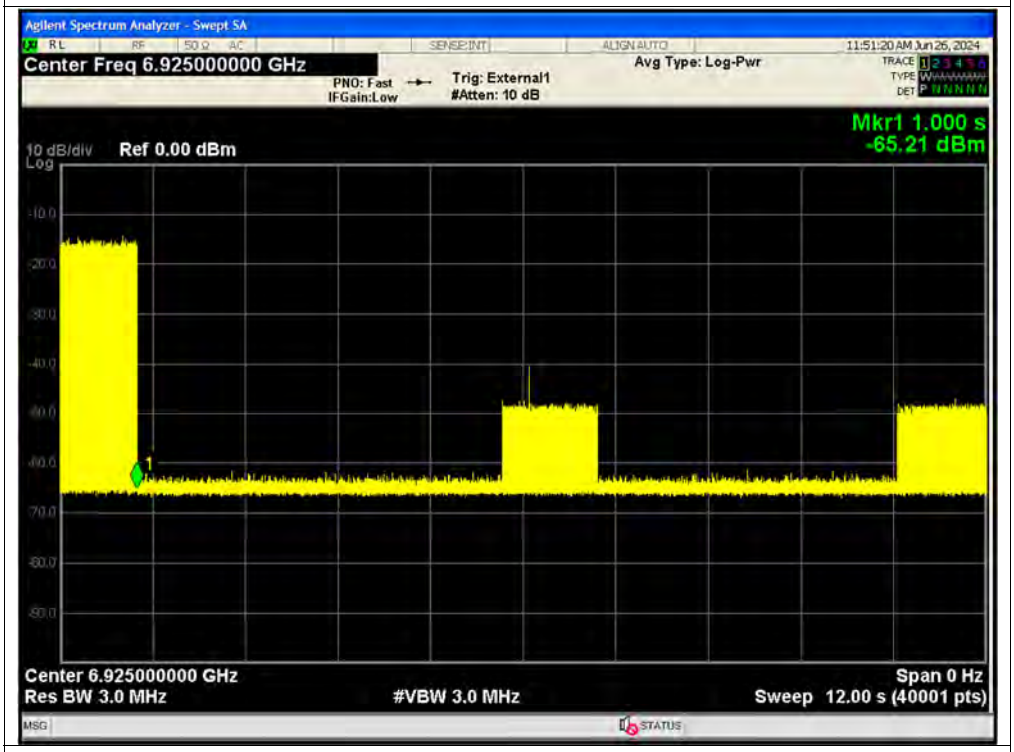


Contention Based Protocol NVNT ax40 6925MHz Interfere 6940 MHz_1

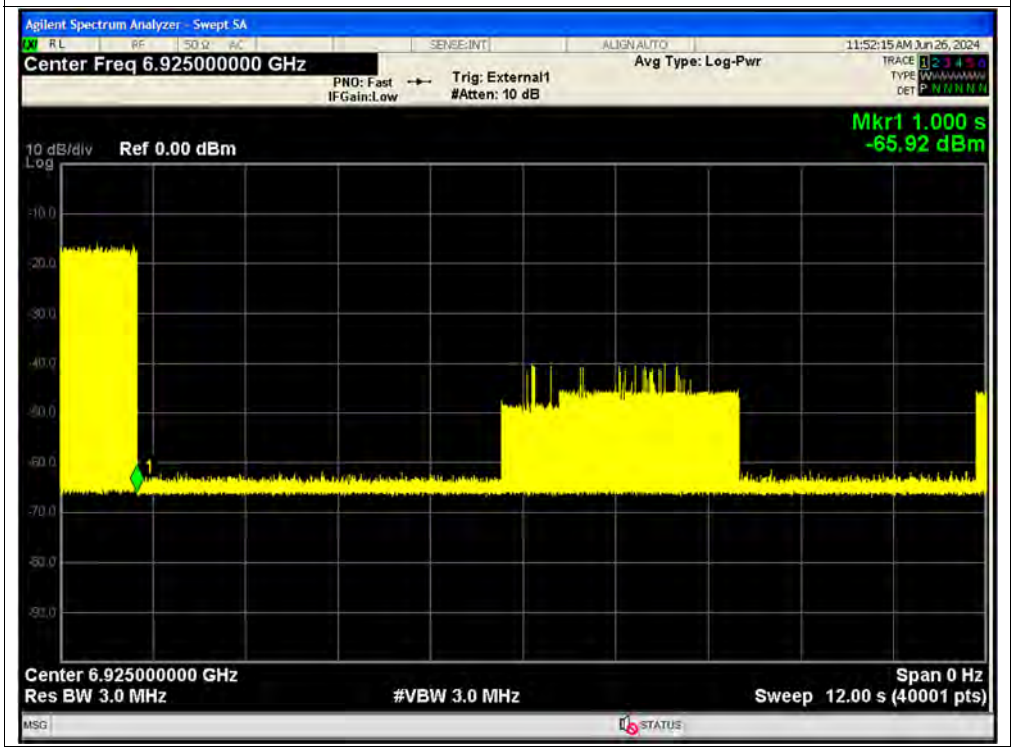
Contention Based Protocol NVNT ax40 6925MHz Interfere 6940 MHz_2



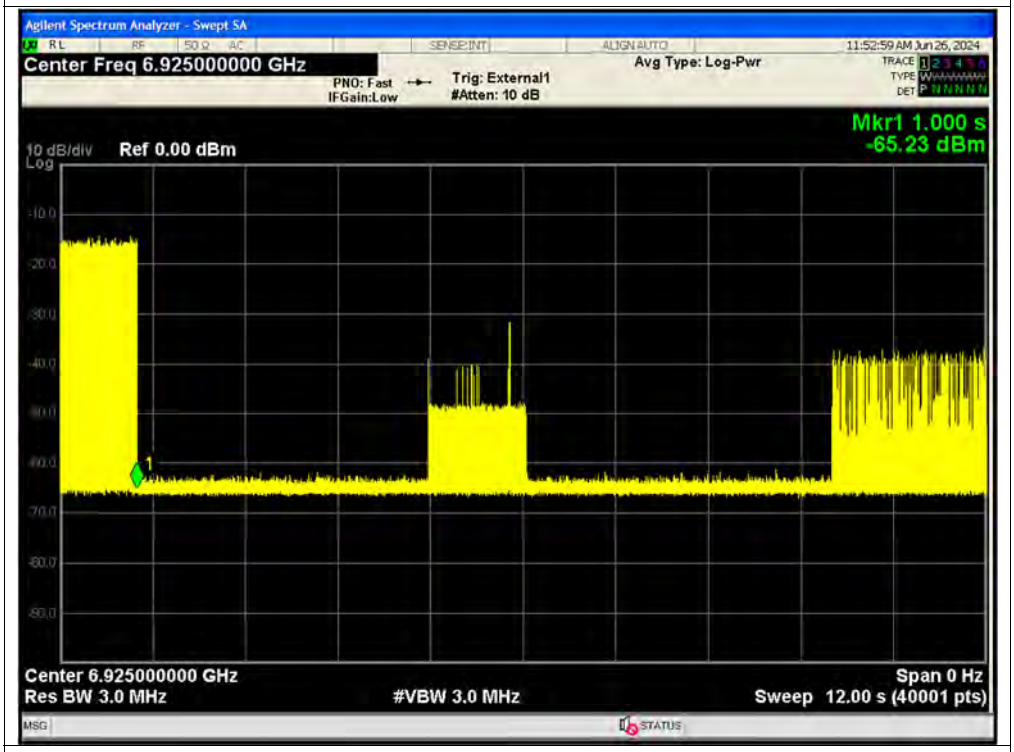
Contention Based Protocol NVNT ax40 6925MHz Interfere 6940 MHz_3



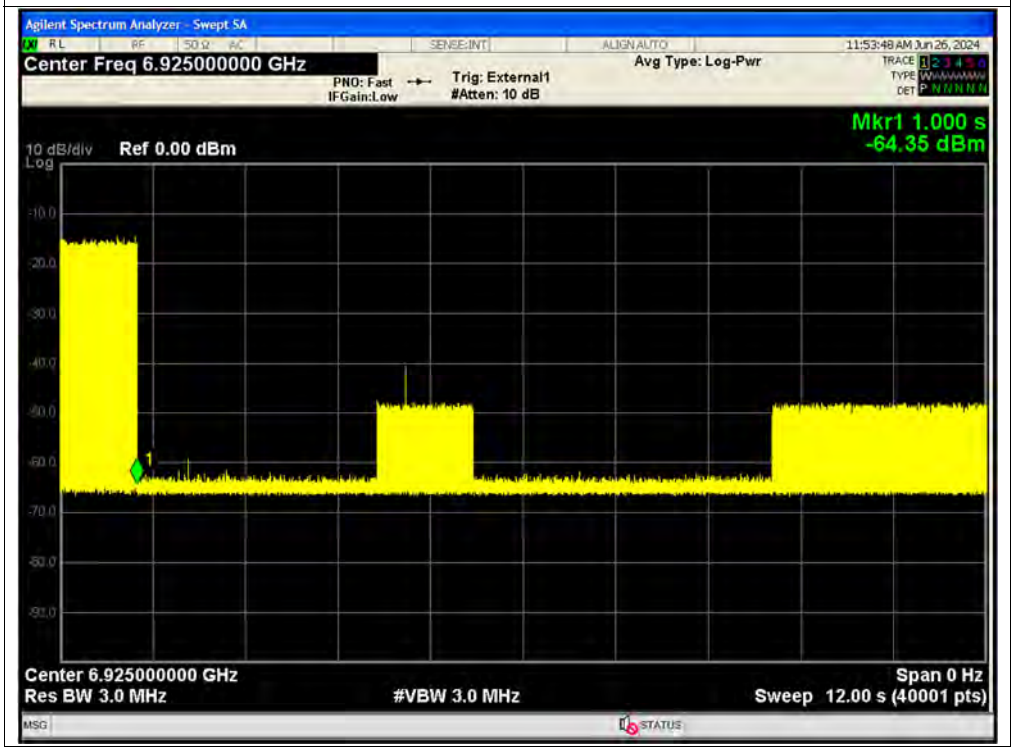
Contention Based Protocol NVNT ax40 6925MHz Interfere 6940 MHz_4



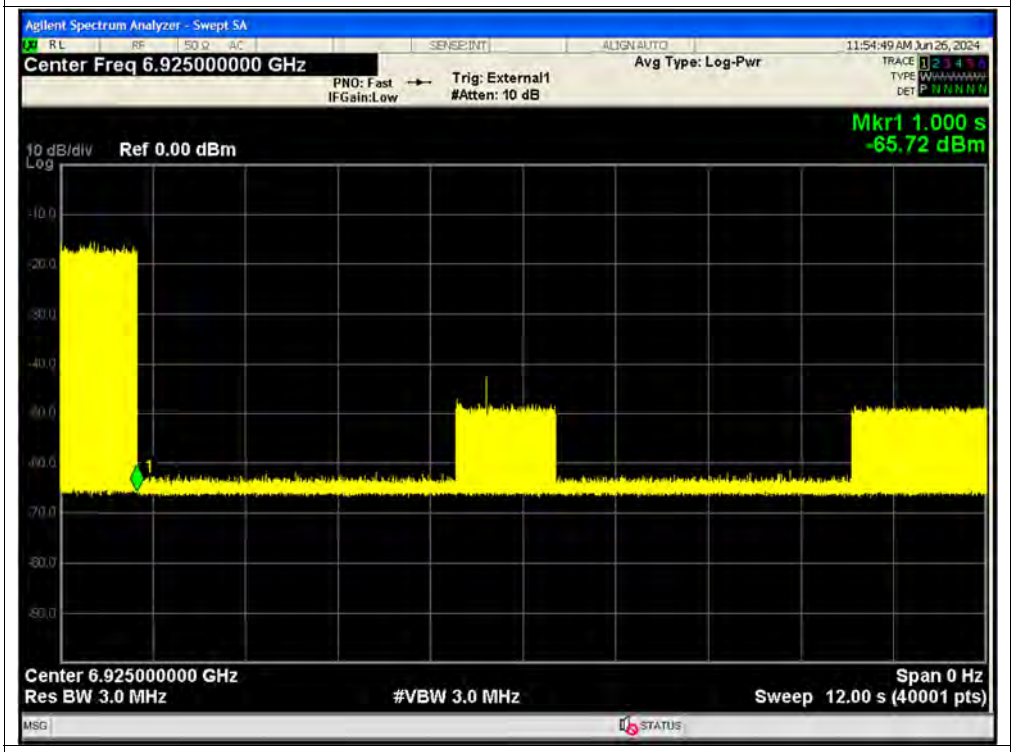
Contention Based Protocol NVNT ax40 6925MHz Interfere 6940 MHz_5



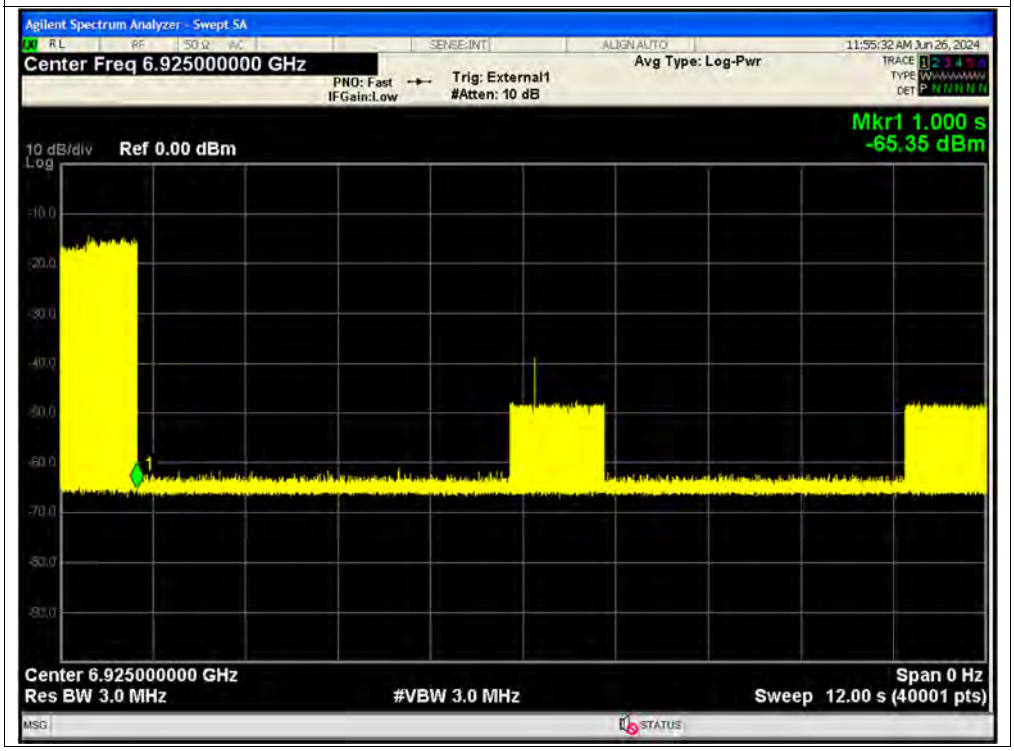
Contention Based Protocol NVNT ax40 6925MHz Interfere 6940 MHz_6



Contention Based Protocol NVNT ax40 6925MHz Interfere 6940 MHz_7



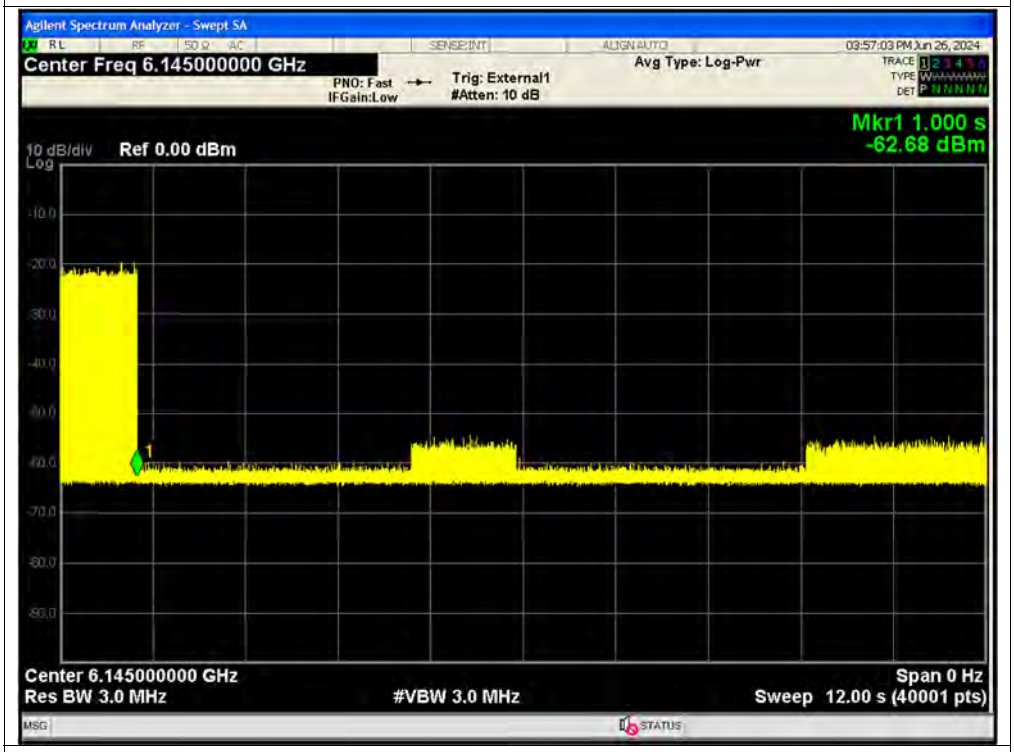
Contention Based Protocol NVNT ax40 6925MHz Interfere 6940 MHz_8



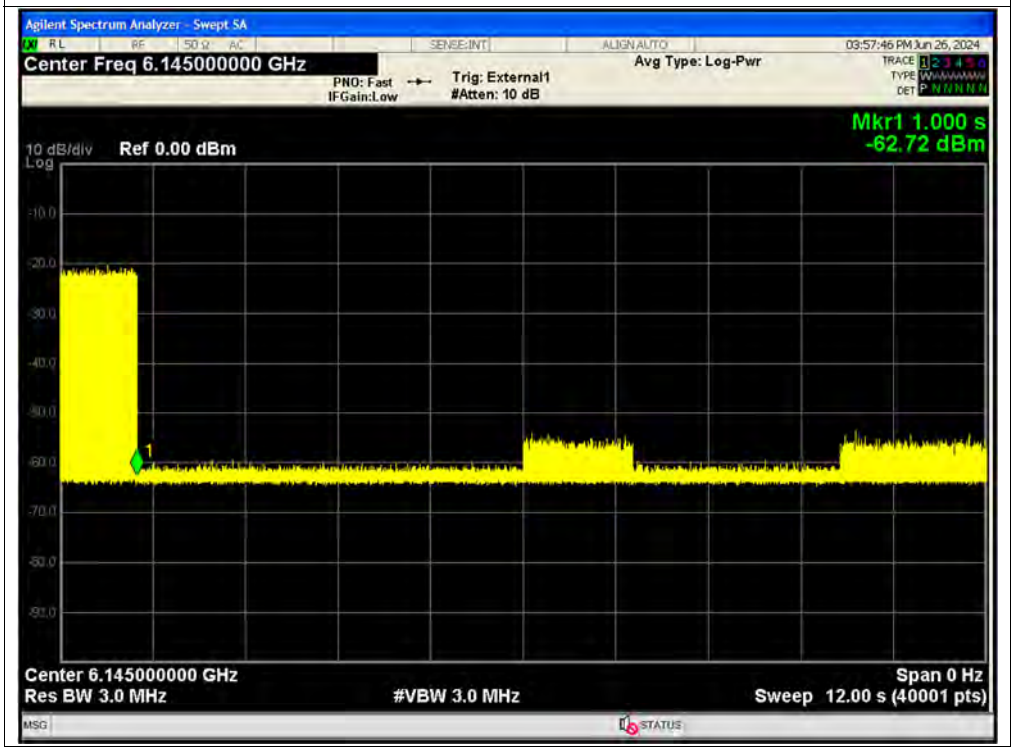
Contention Based Protocol NVNT ax40 6925MHz Interfere 6940 MHz_9

Contention Based Protocol NVNT ax40 6925MHz Interfere 6940 MHz_10

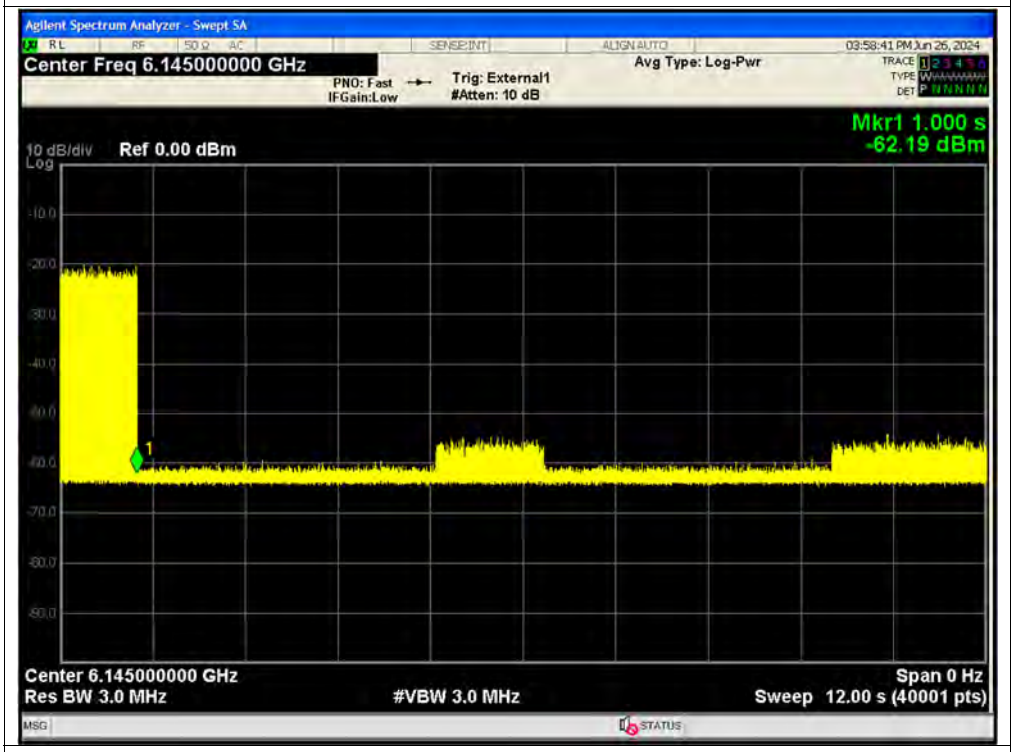
Contention Based Protocol NVNT ax80 6145MHz Interfere 6110 MHz_1



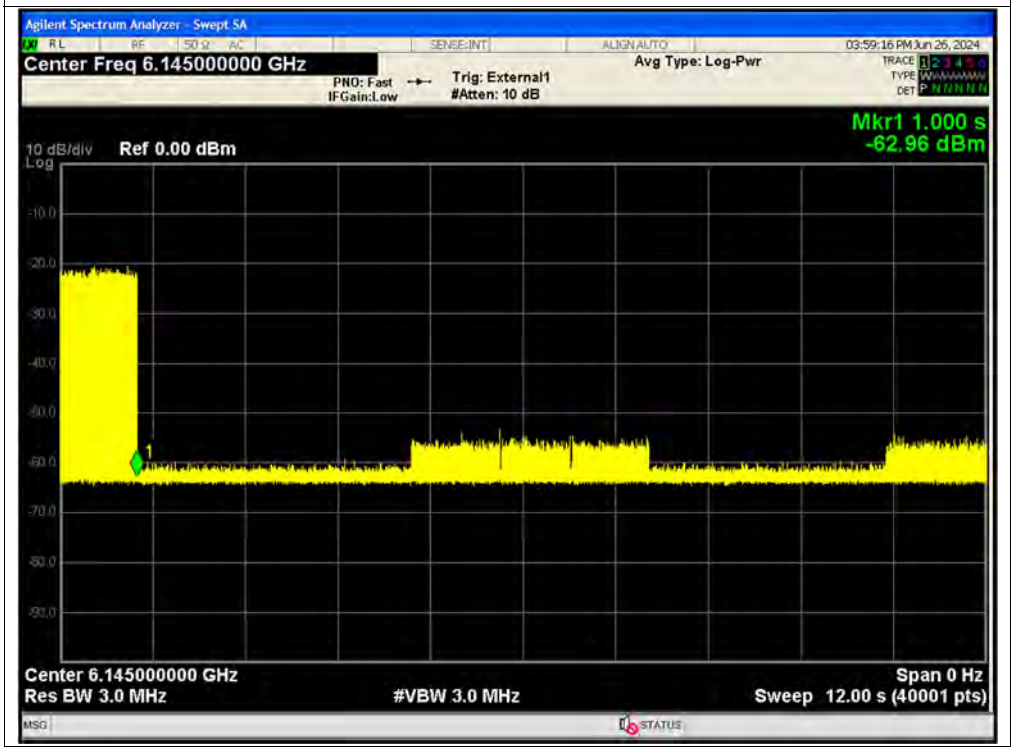
Contention Based Protocol NVNT ax80 6145MHz Interfere 6110 MHz_2



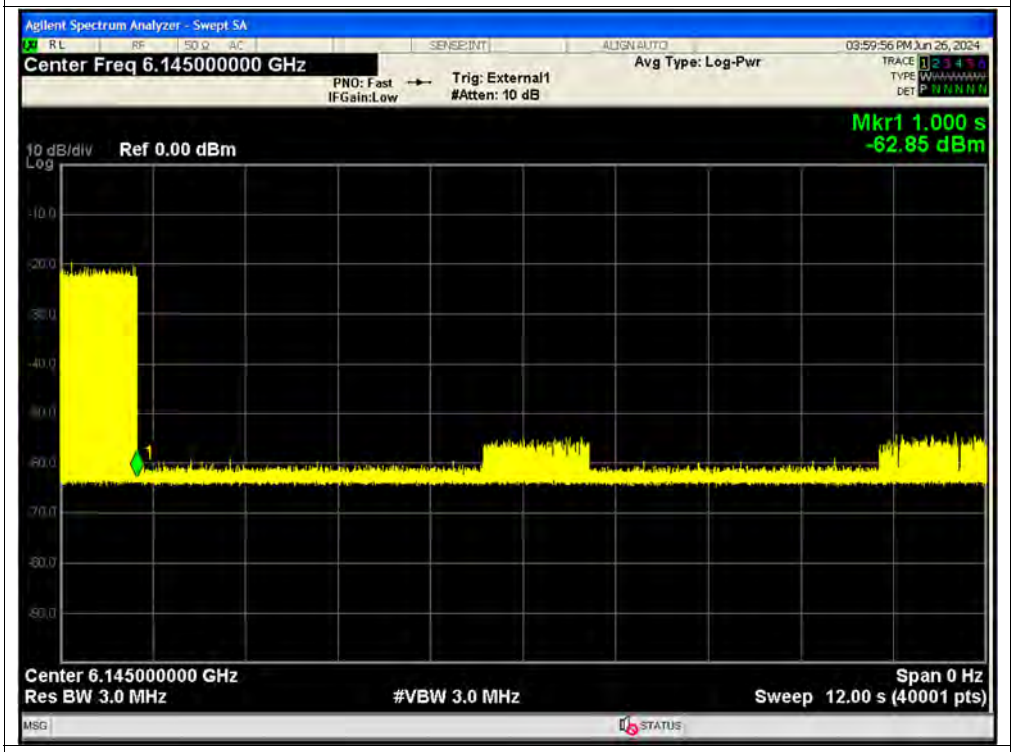
Contention Based Protocol NVNT ax80 6145MHz Interfere 6110 MHz_3



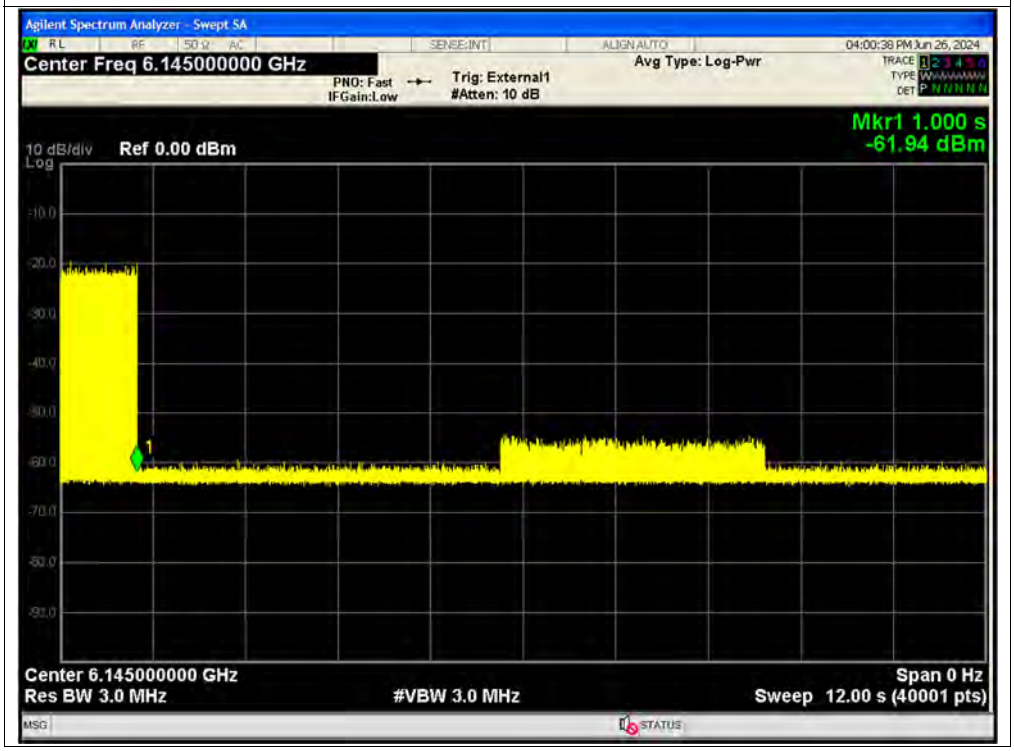
Contention Based Protocol NVNT ax80 6145MHz Interfere 6110 MHz_4



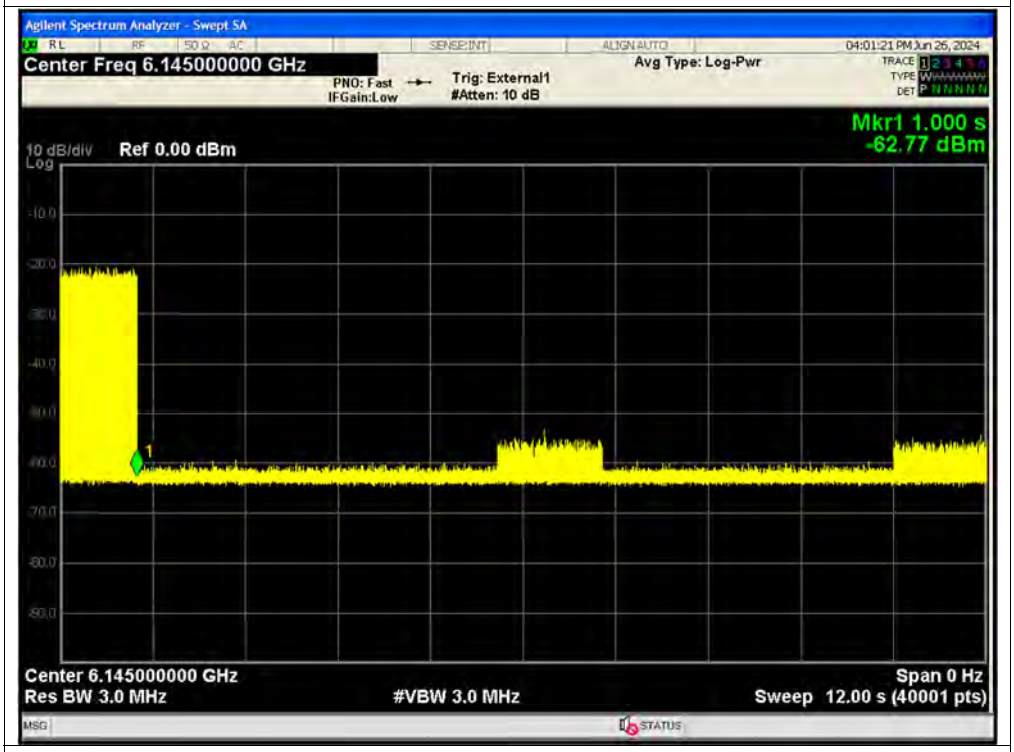
Contention Based Protocol NVNT ax80 6145MHz Interfere 6110 MHz_5



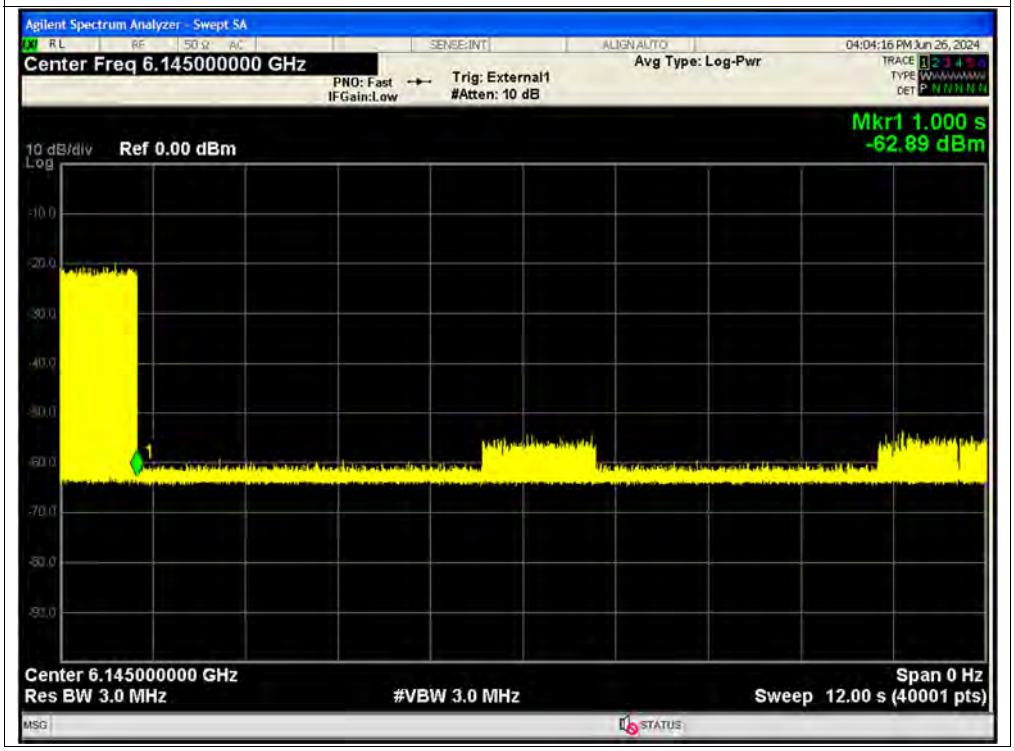
Contention Based Protocol NVNT ax80 6145MHz Interfere 6110 MHz_6



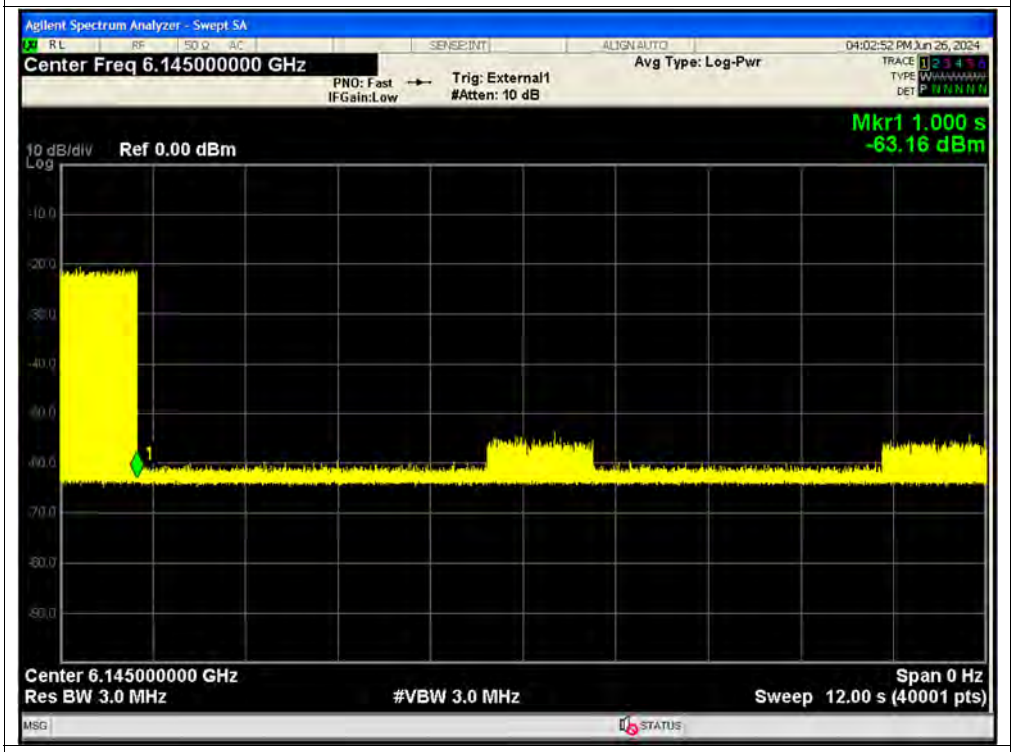
Contention Based Protocol NVNT ax80 6145MHz Interfere 6110 MHz_7



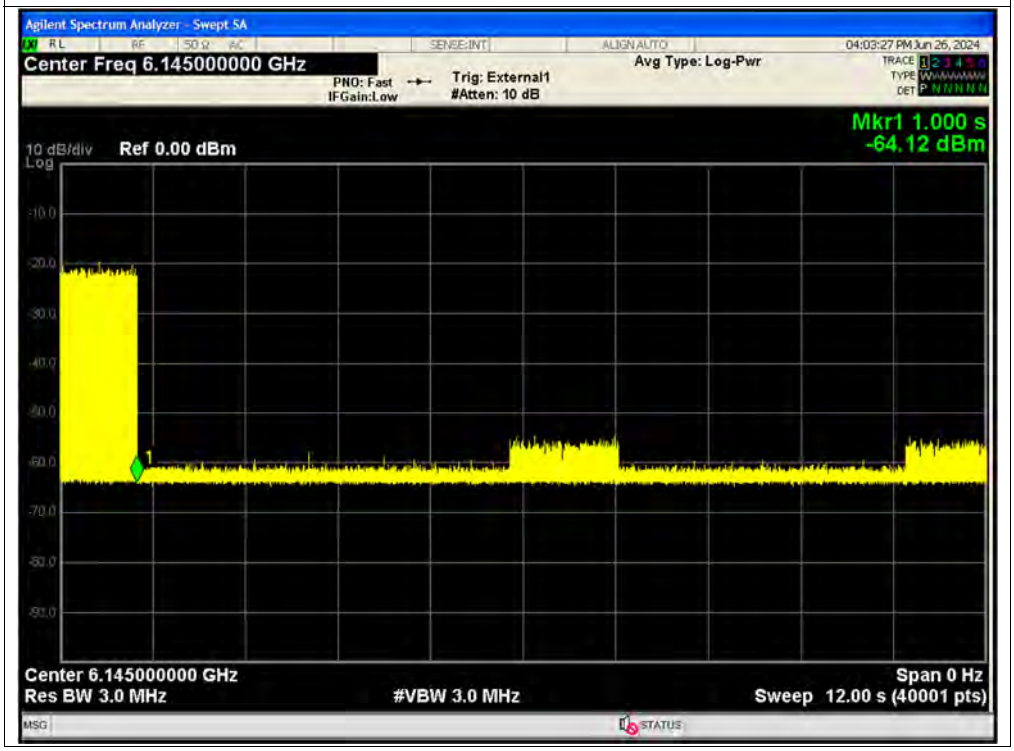
Contention Based Protocol NVNT ax80 6145MHz Interfere 6110 MHz_8



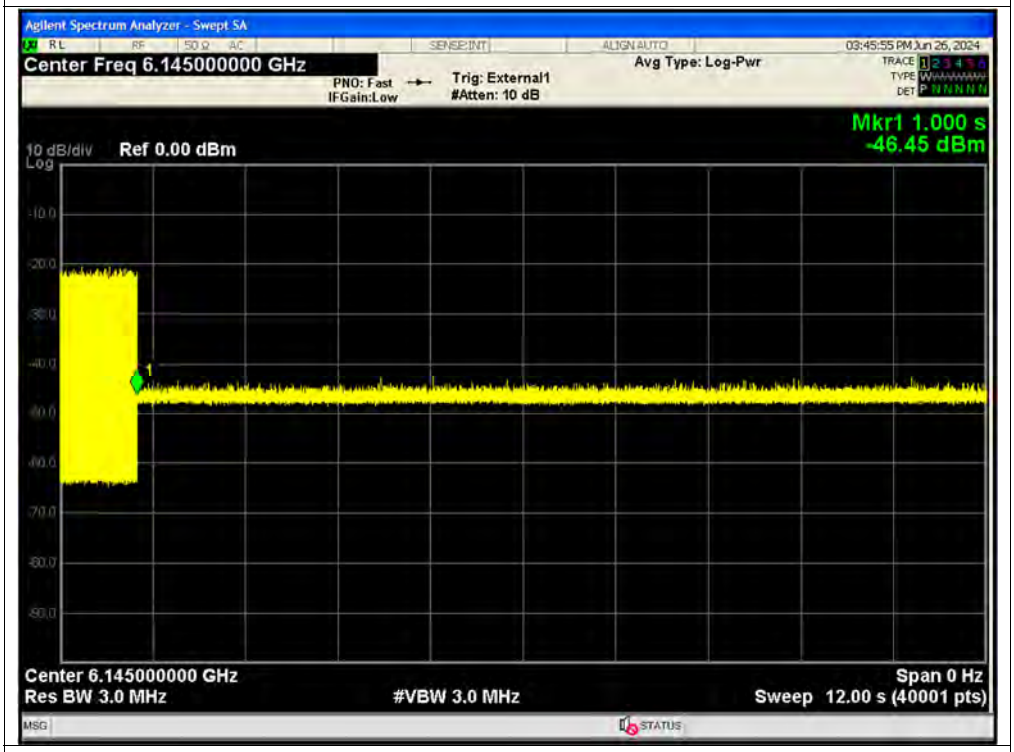
Contention Based Protocol NVNT ax80 6145MHz Interfere 6110 MHz_9



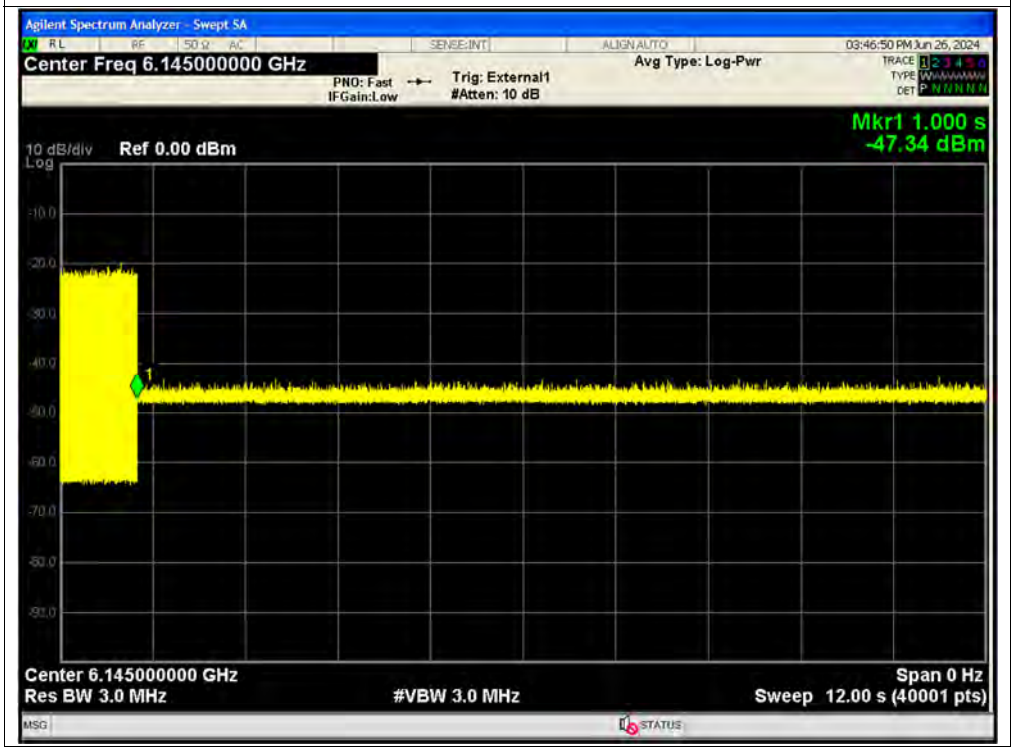
Contention Based Protocol NVNT ax80 6145MHz Interfere 6110 MHz_10



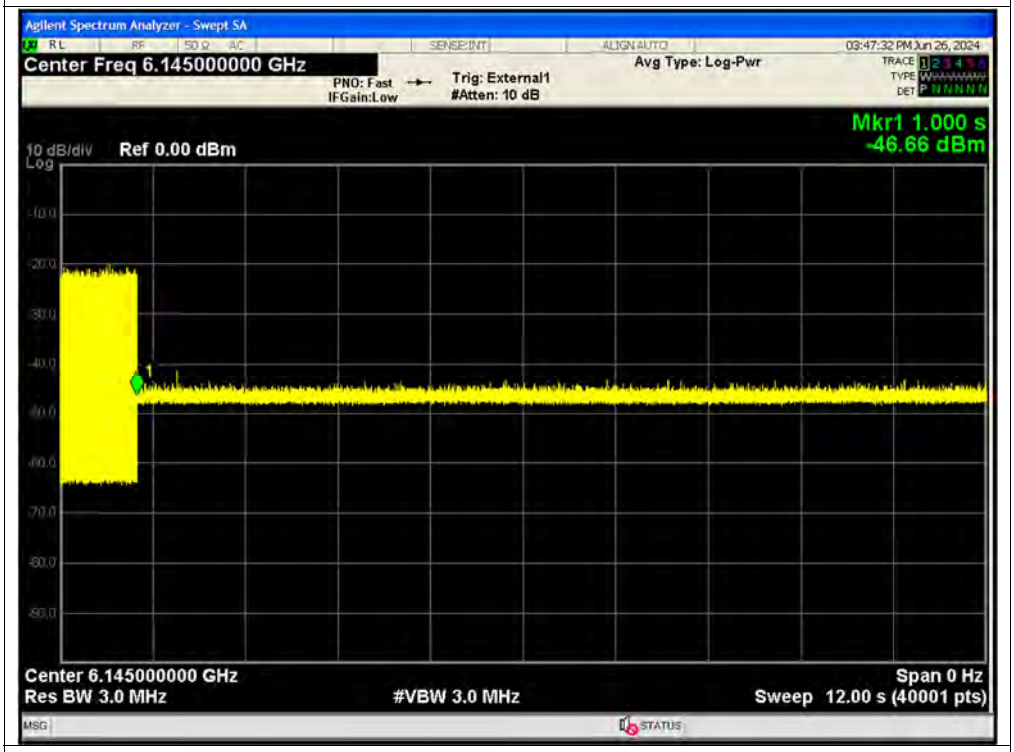
Contention Based Protocol NVNT ax80 6145MHz Interfere 6145 MHz_1



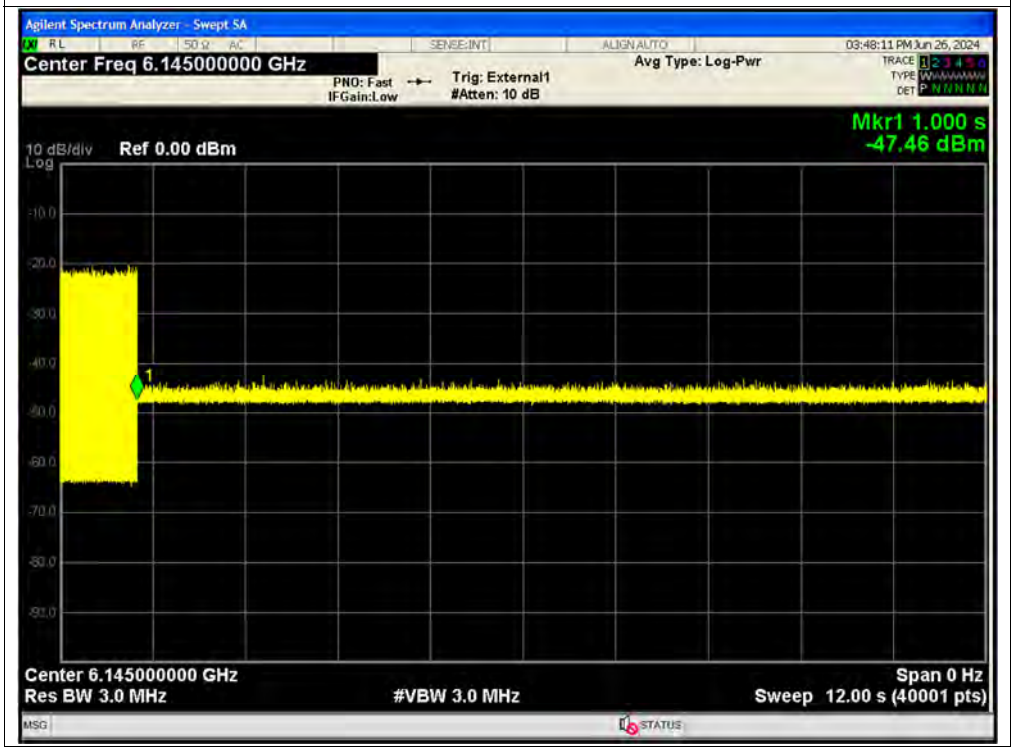
Contention Based Protocol NVNT ax80 6145MHz Interfere 6145 MHz_2



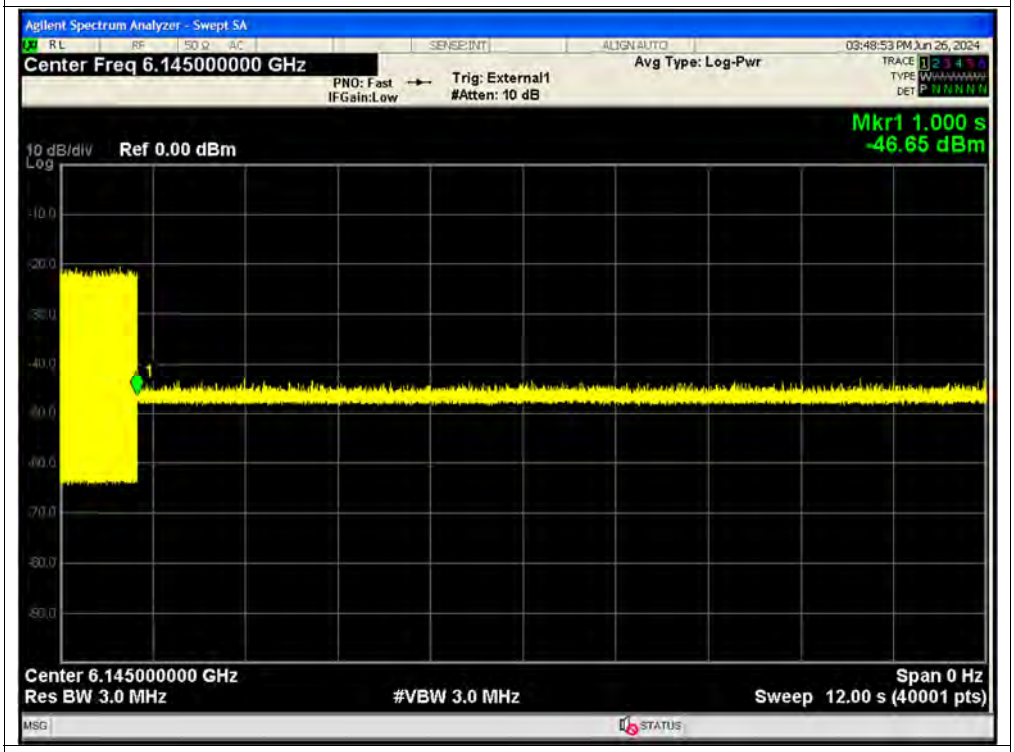
Contention Based Protocol NVNT ax80 6145MHz Interfere 6145 MHz_3



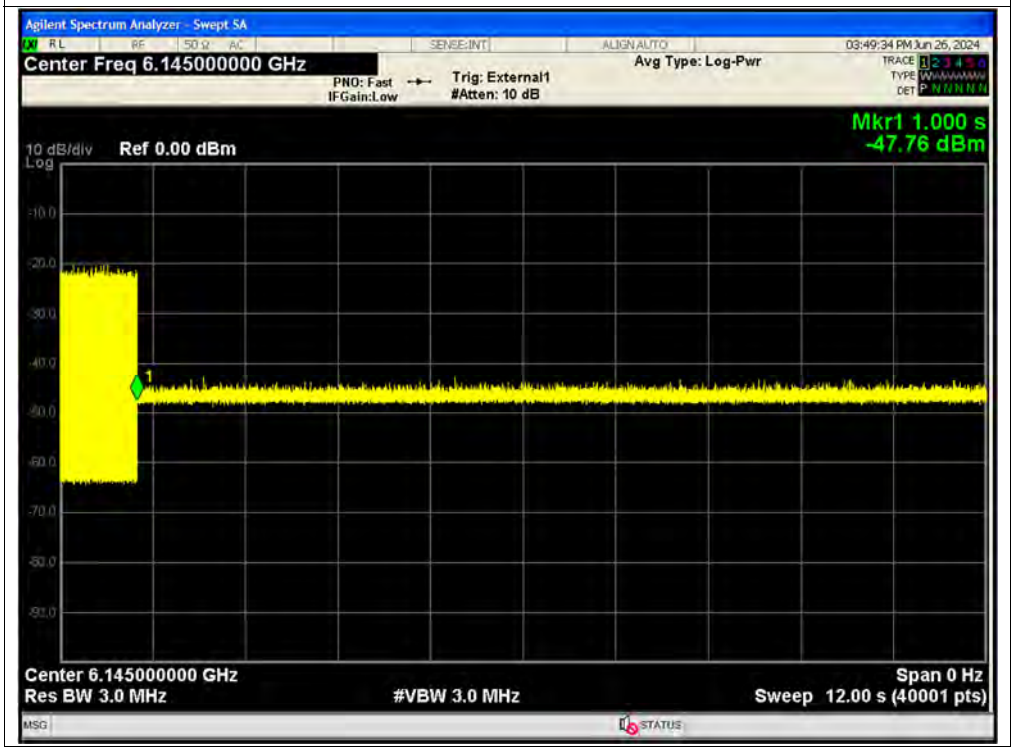
Contention Based Protocol NVNT ax80 6145MHz Interfere 6145 MHz_4



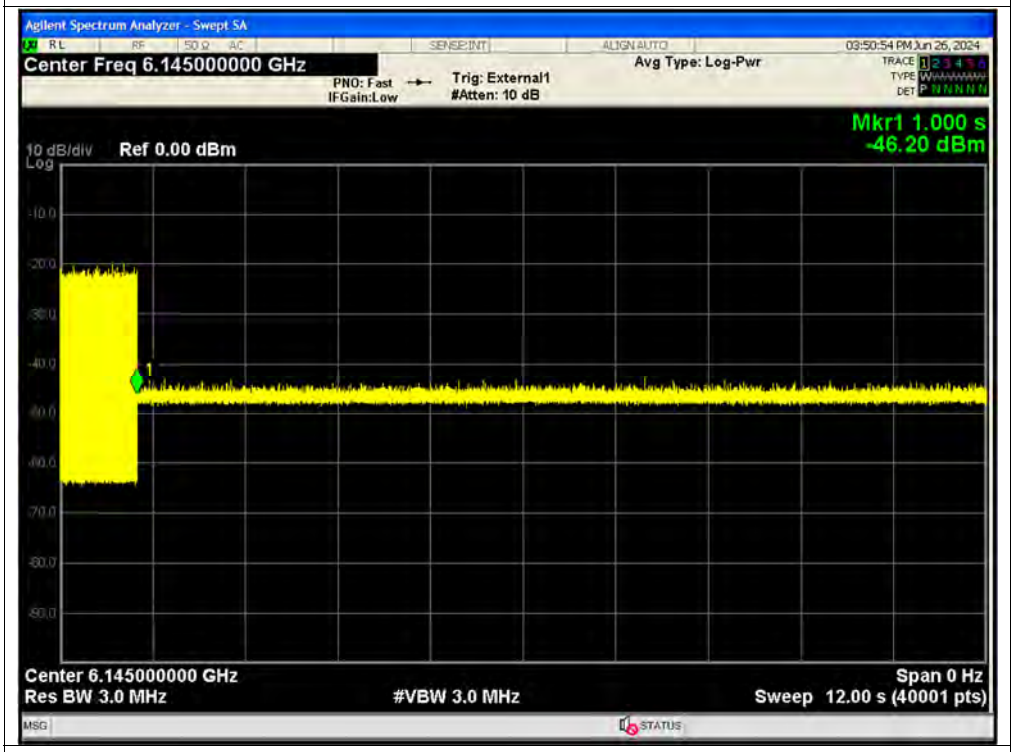
Contention Based Protocol NVNT ax80 6145MHz Interfere 6145 MHz_5



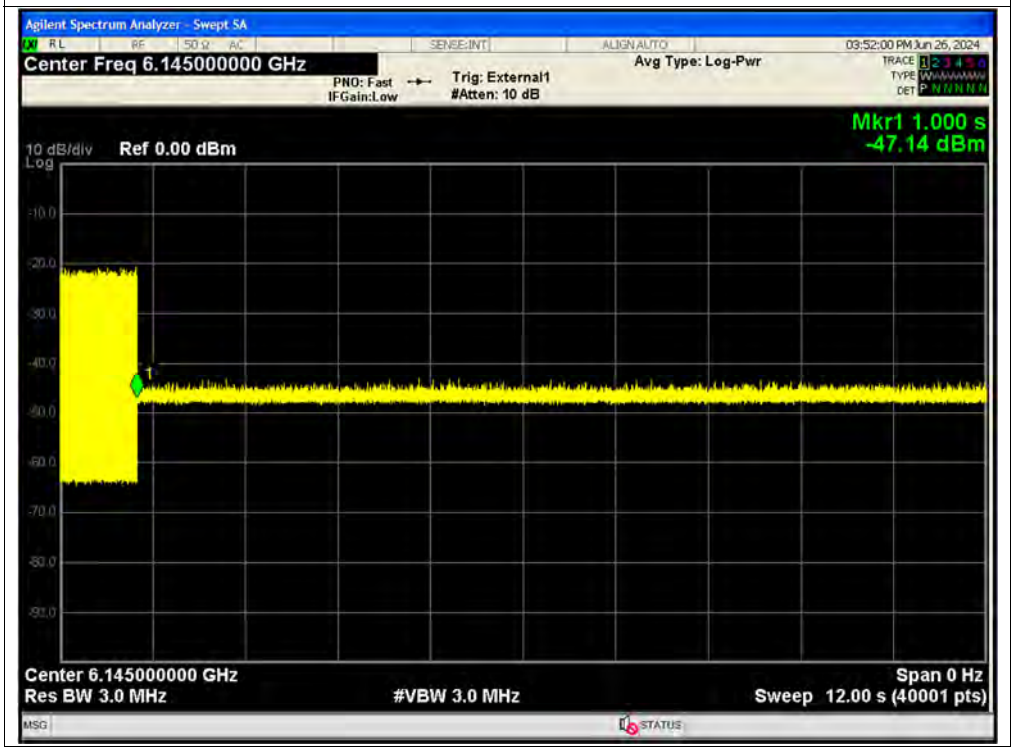
Contention Based Protocol NVNT ax80 6145MHz Interfere 6145 MHz_6



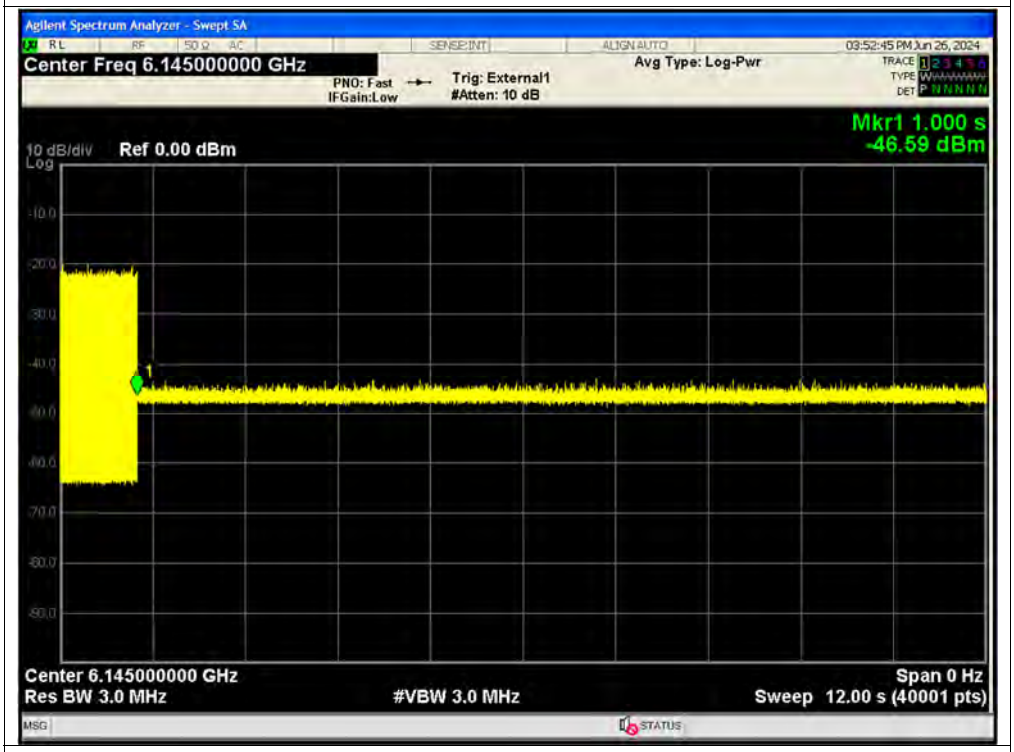
Contention Based Protocol NVNT ax80 6145MHz Interfere 6145 MHz_7



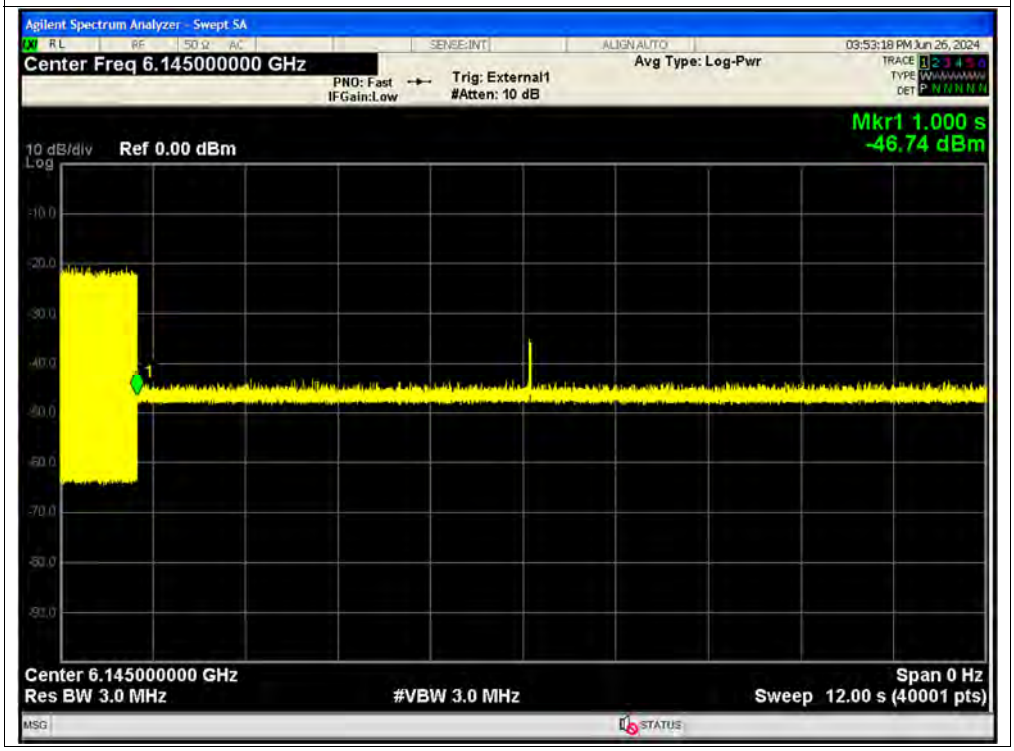
Contention Based Protocol NVNT ax80 6145MHz Interfere 6145 MHz_8



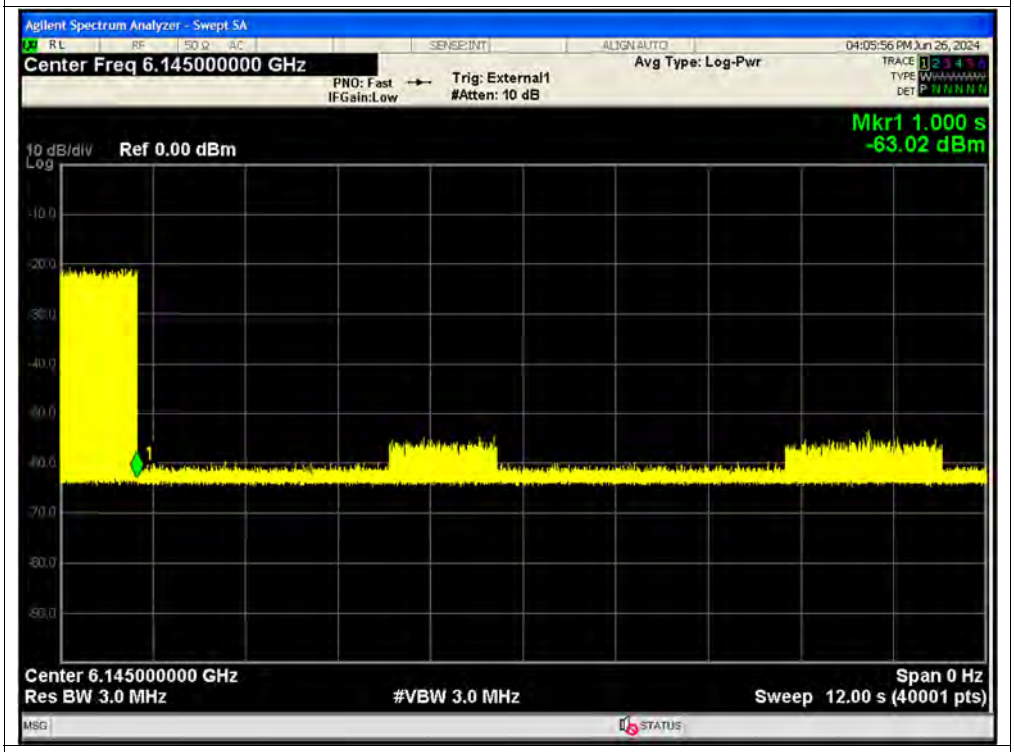
Contention Based Protocol NVNT ax80 6145MHz Interfere 6145 MHz_9



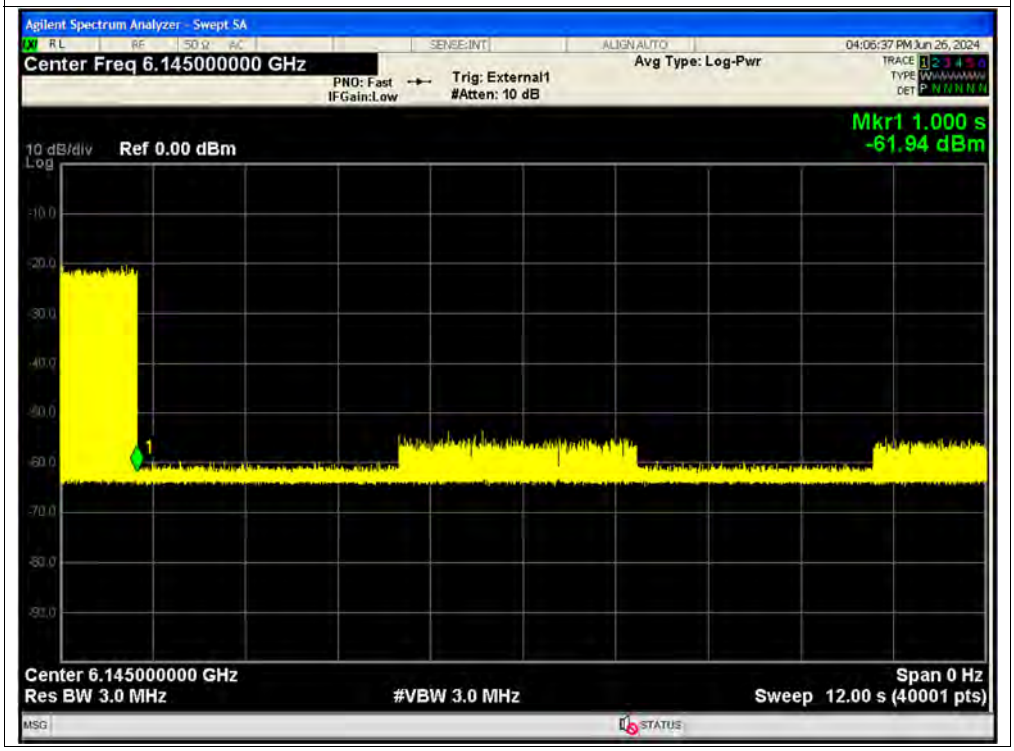
Contention Based Protocol NVNT ax80 6145MHz Interfere 6145 MHz_10



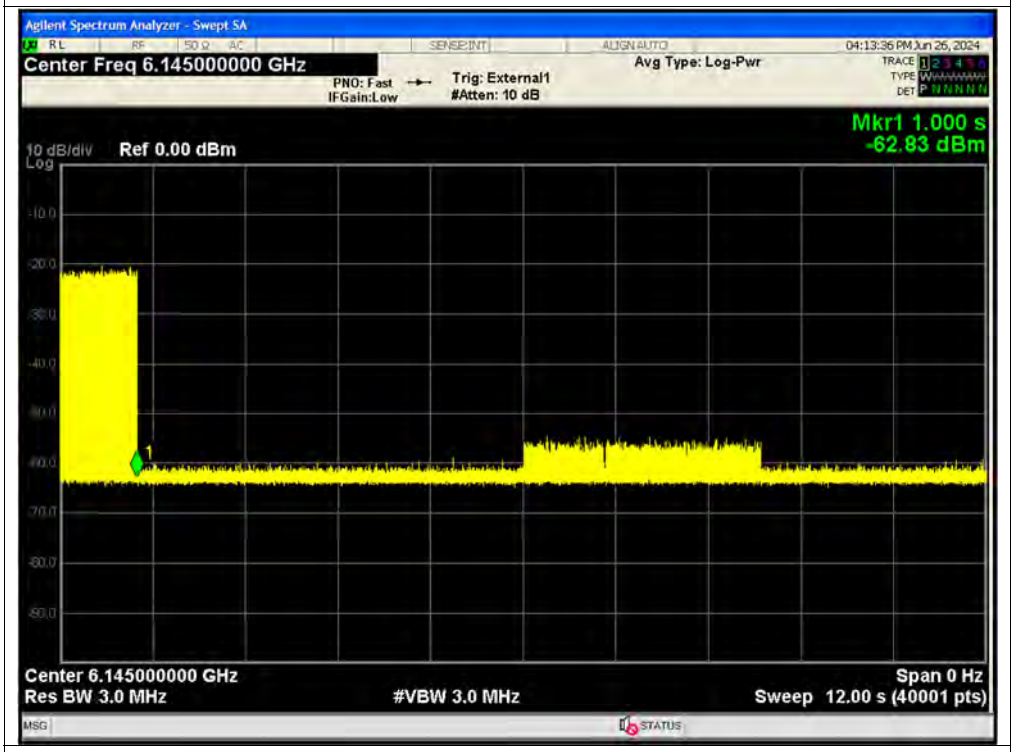
Contention Based Protocol NVNT ax80 6145MHz Interfere 6180 MHz_1



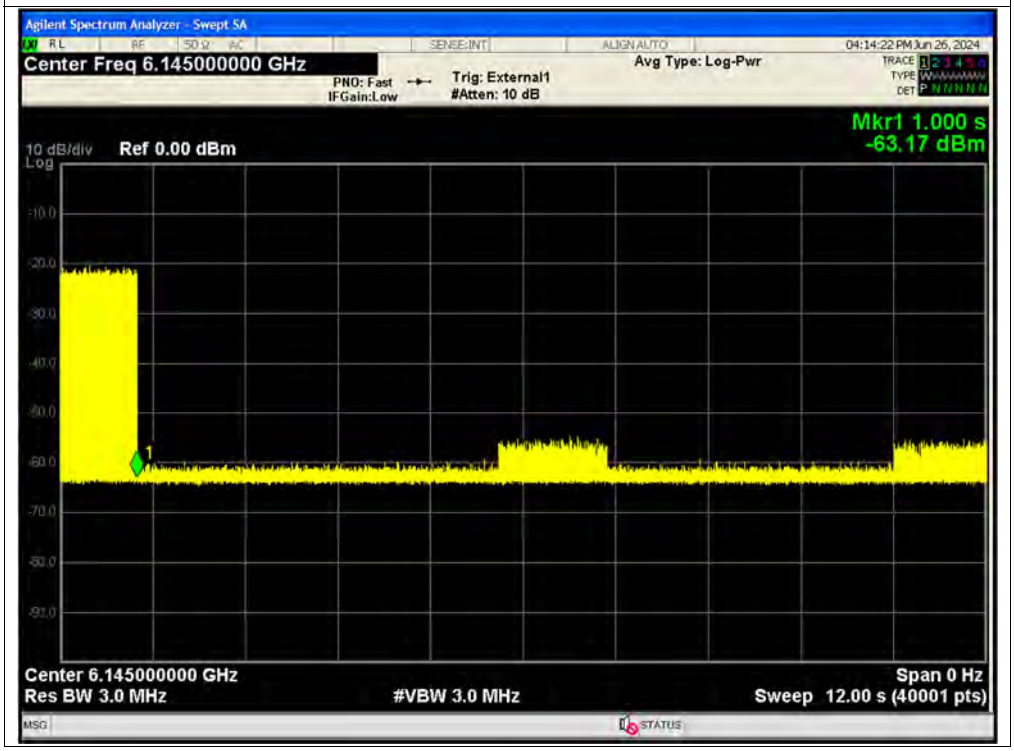
Contention Based Protocol NVNT ax80 6145MHz Interfere 6180 MHz_2



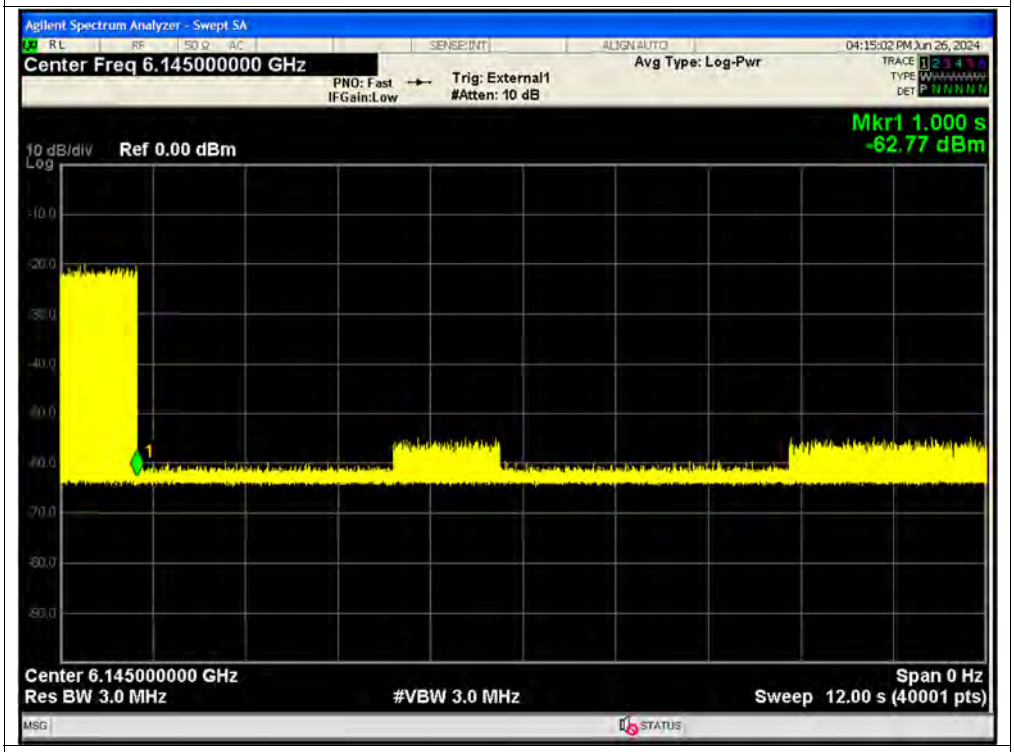
Contention Based Protocol NVNT ax80 6145MHz Interfere 6180 MHz_3



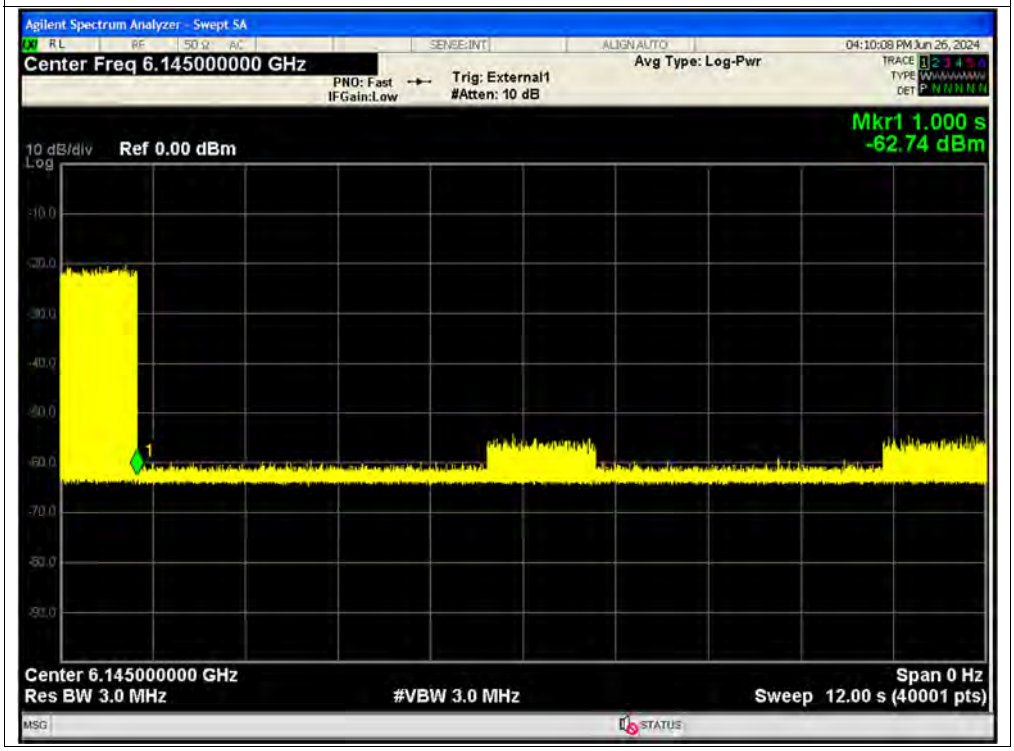
Contention Based Protocol NVNT ax80 6145MHz Interfere 6180 MHz_4



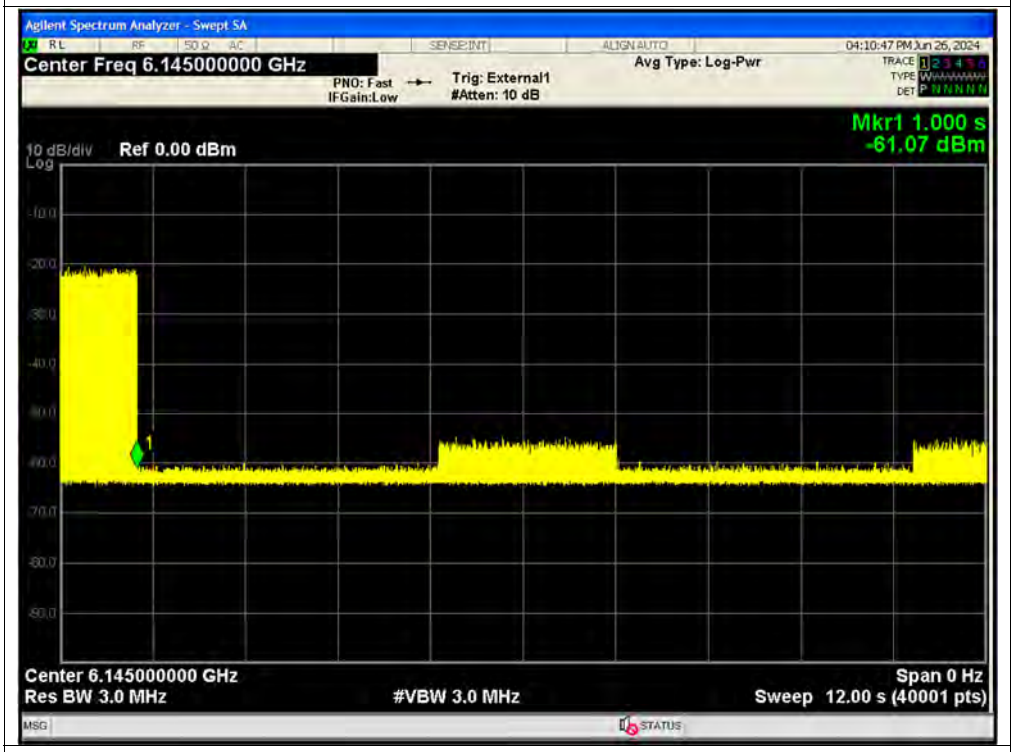
Contention Based Protocol NVNT ax80 6145MHz Interfere 6180 MHz_5



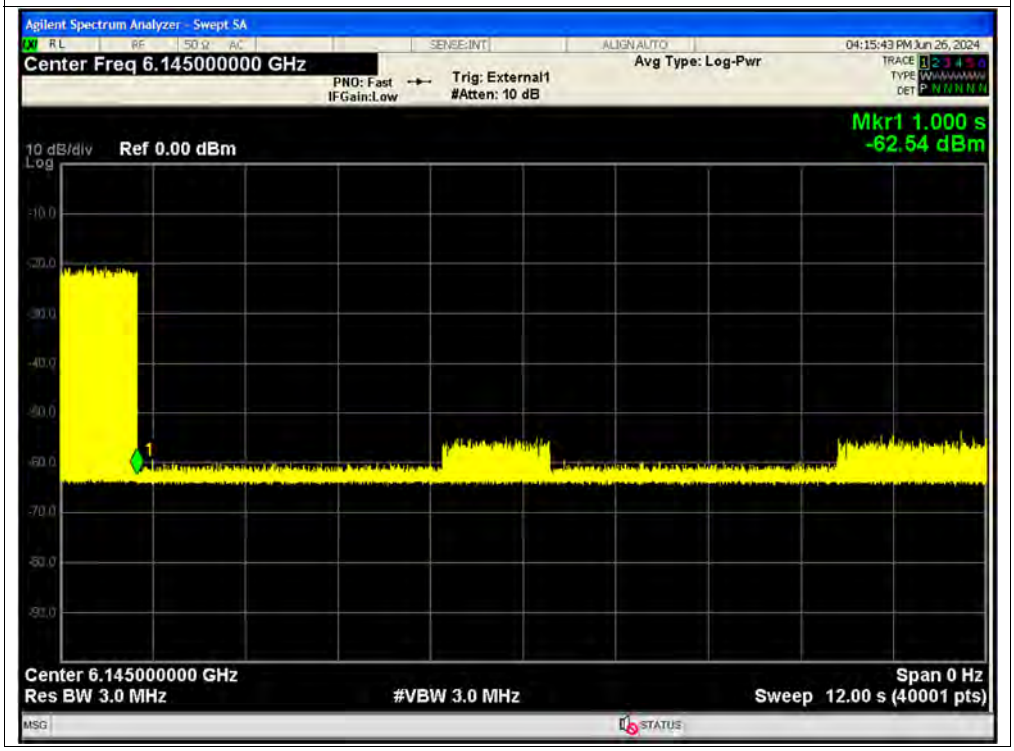
Contention Based Protocol NVNT ax80 6145MHz Interfere 6180 MHz_6



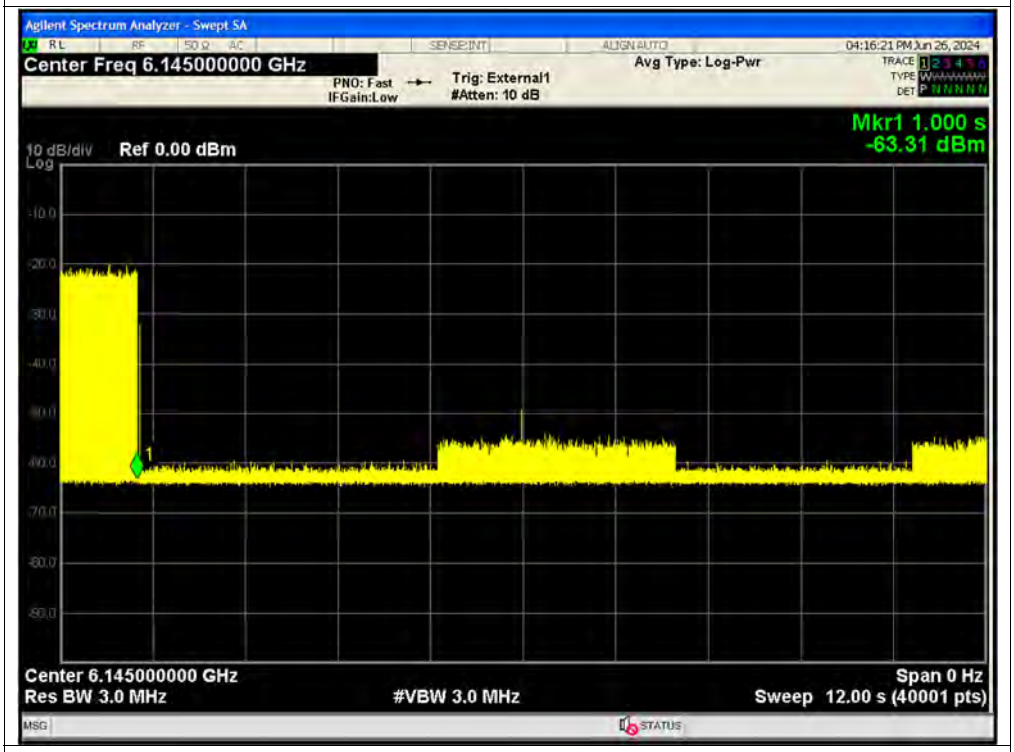
Contention Based Protocol NVNT ax80 6145MHz Interfere 6180 MHz_7



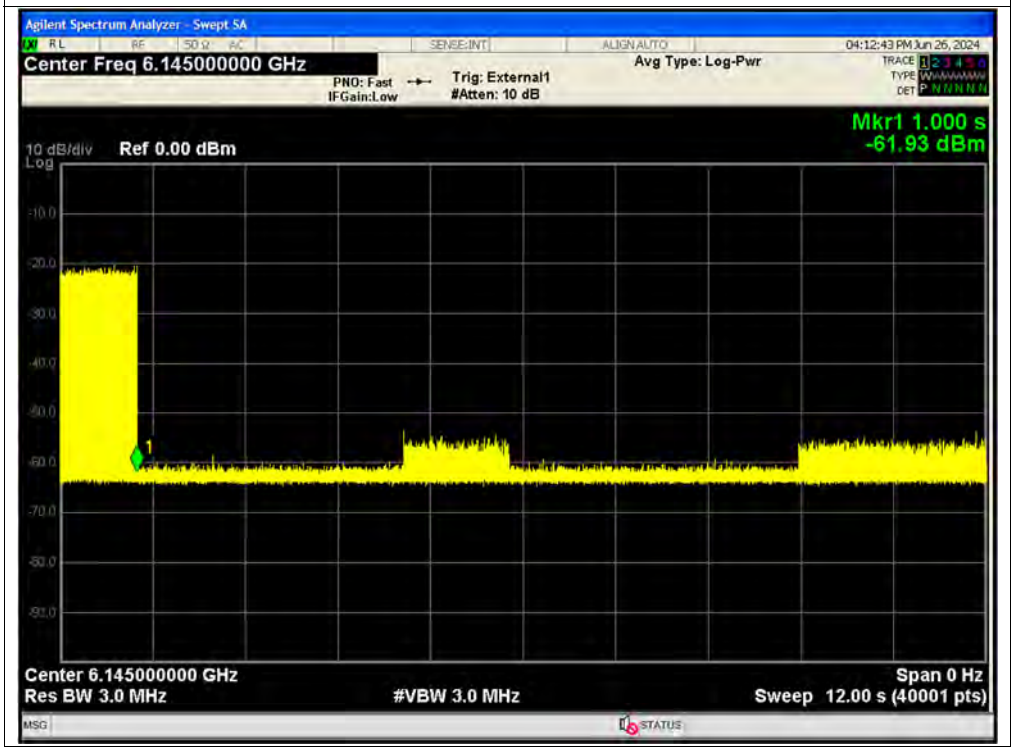
Contention Based Protocol NVNT ax80 6145MHz Interfere 6180 MHz_8



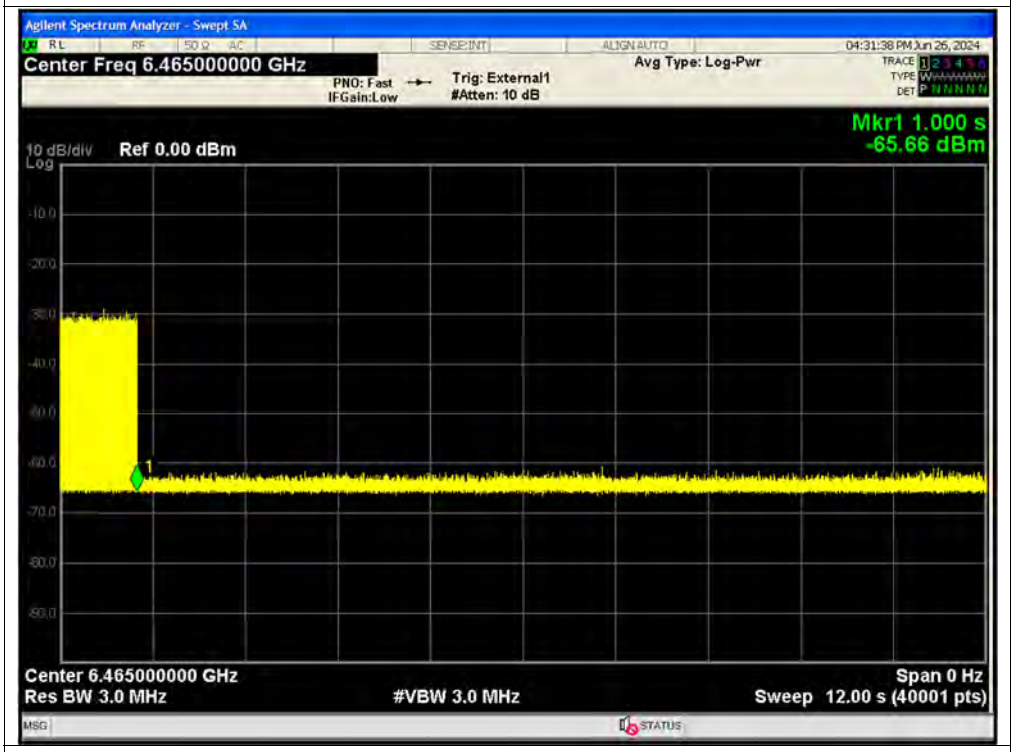
Contention Based Protocol NVNT ax80 6145MHz Interfere 6180 MHz_9



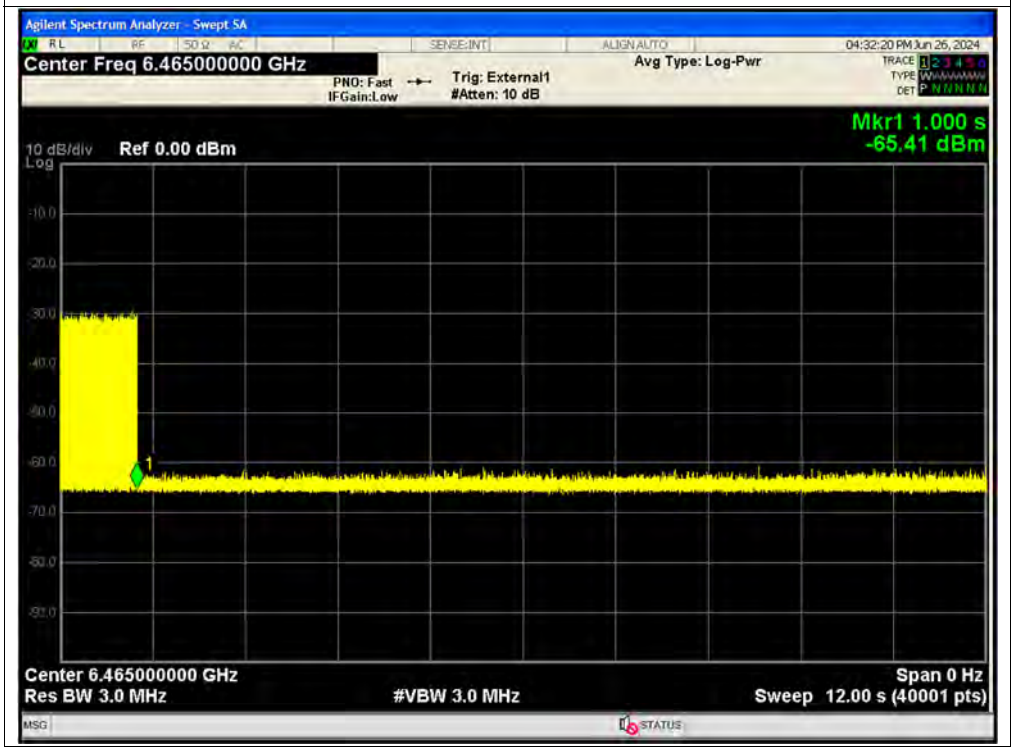
Contention Based Protocol NVNT ax80 6145MHz Interfere 6180 MHz_10



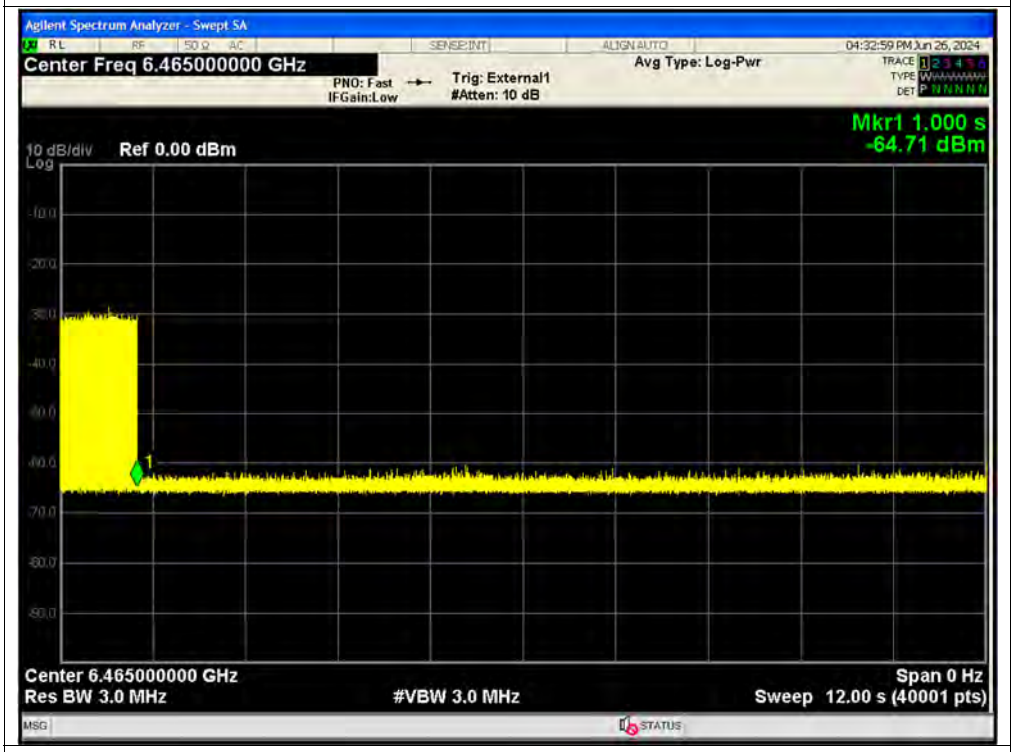
Contention Based Protocol NVNT ax80 6465MHz Interfere 6430 MHz_1



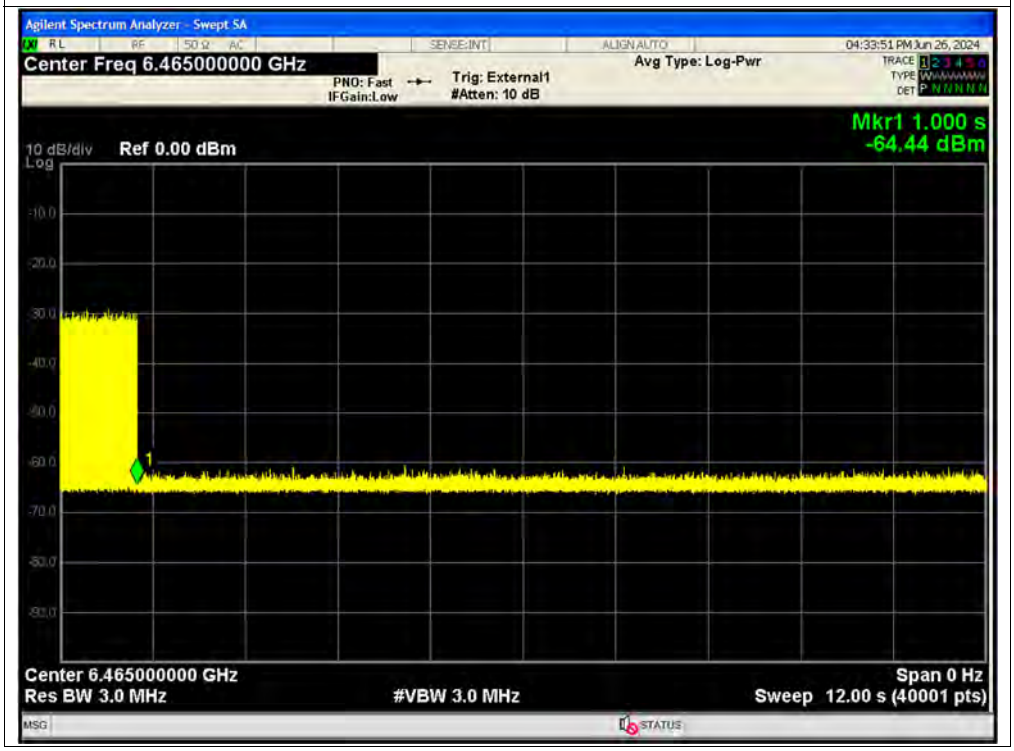
Contention Based Protocol NVNT ax80 6465MHz Interfere 6430 MHz_2



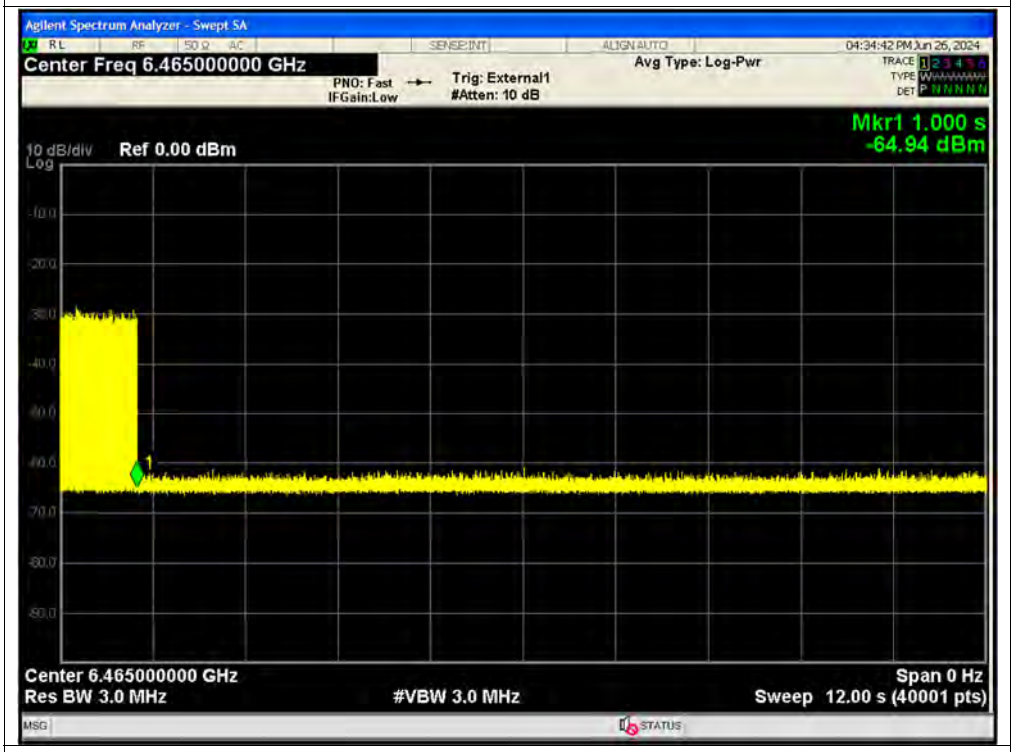
Contention Based Protocol NVNT ax80 6465MHz Interfere 6430 MHz_3



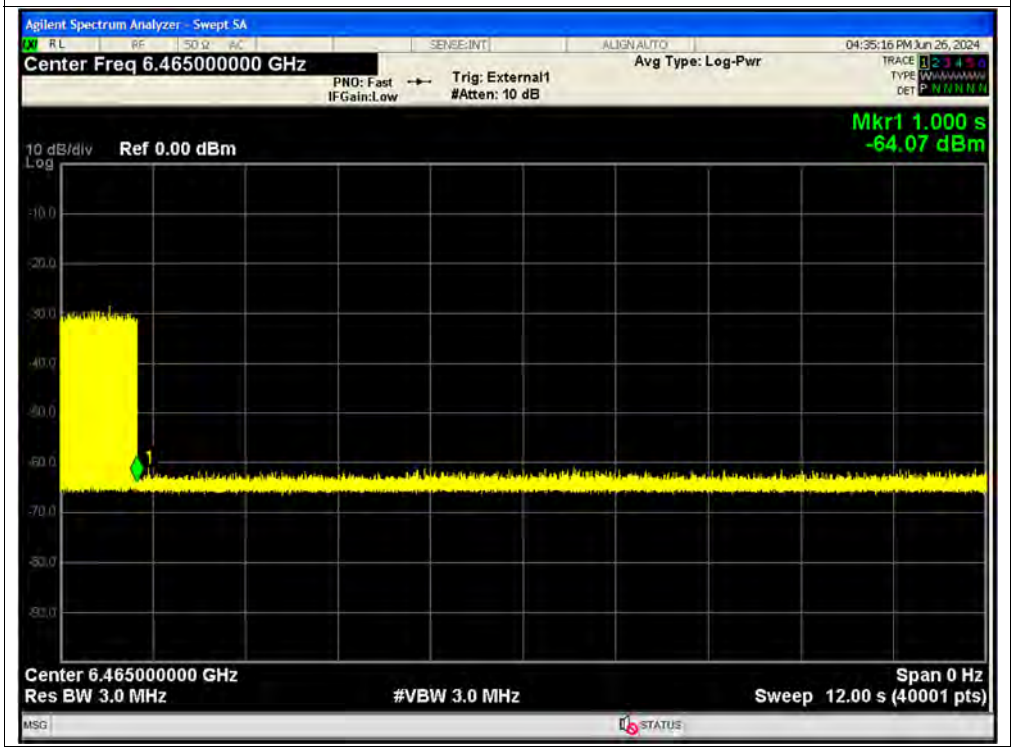
Contention Based Protocol NVNT ax80 6465MHz Interfere 6430 MHz_4



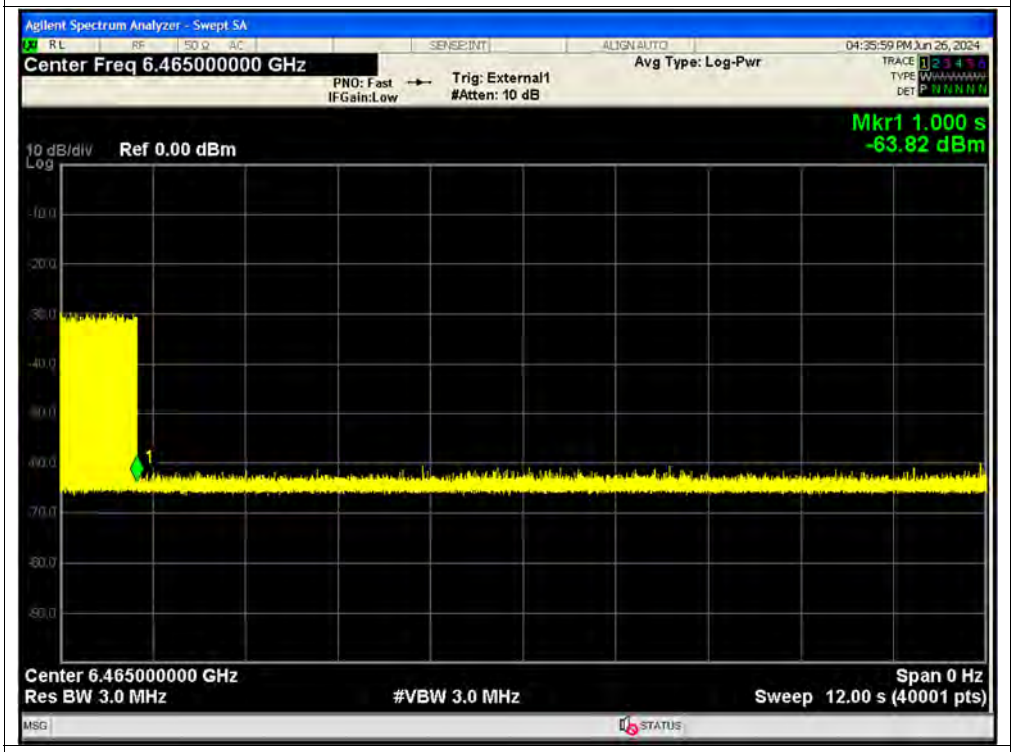
Contention Based Protocol NVNT ax80 6465MHz Interfere 6430 MHz_5



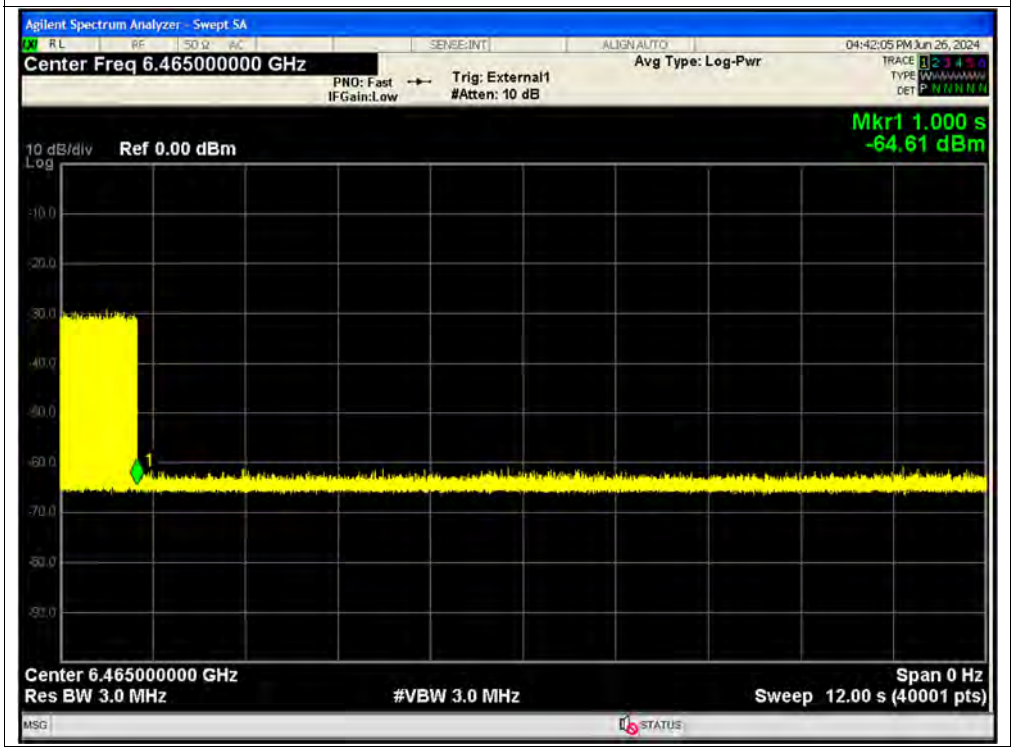
Contention Based Protocol NVNT ax80 6465MHz Interfere 6430 MHz_6



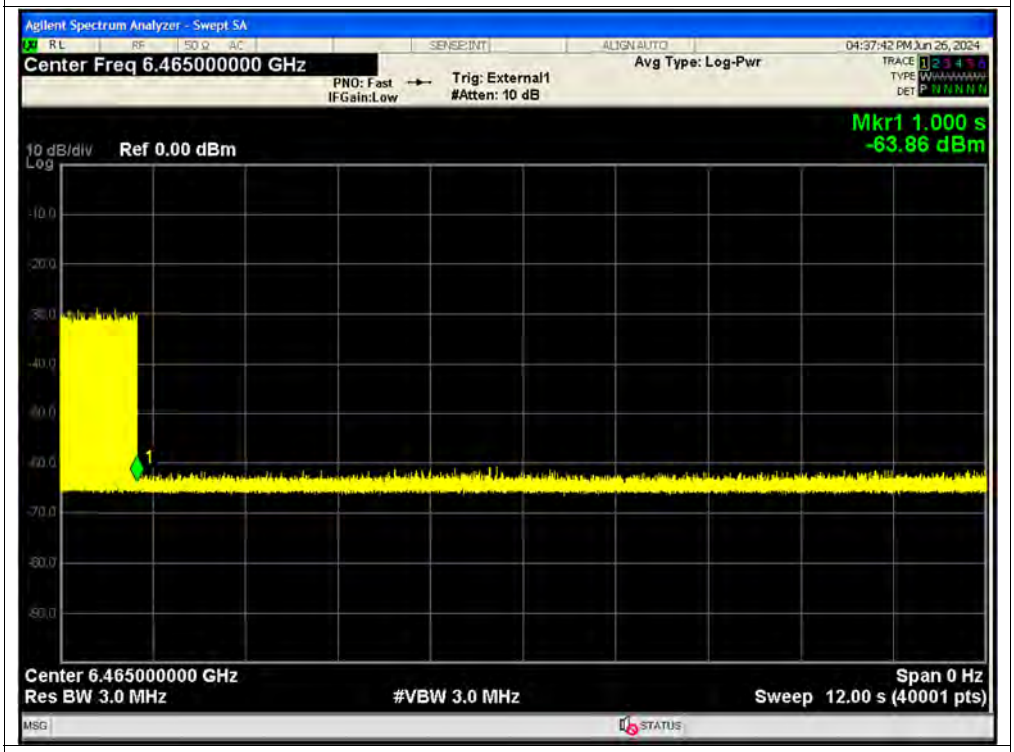
Contention Based Protocol NVNT ax80 6465MHz Interfere 6430 MHz_7



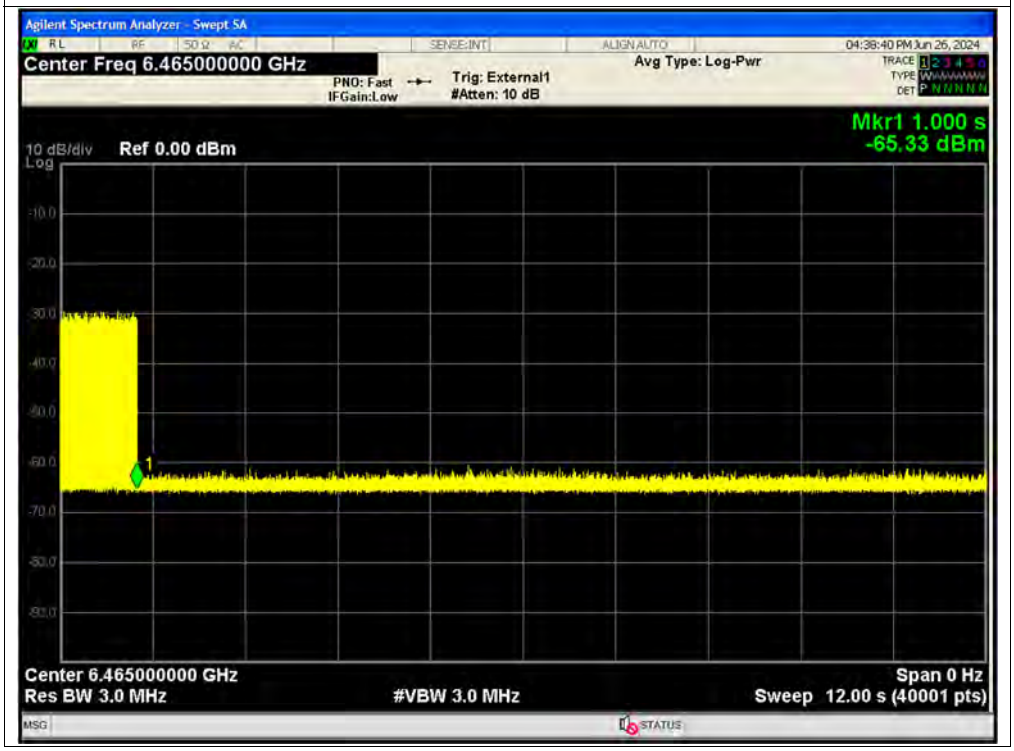
Contention Based Protocol NVNT ax80 6465MHz Interfere 6430 MHz_8



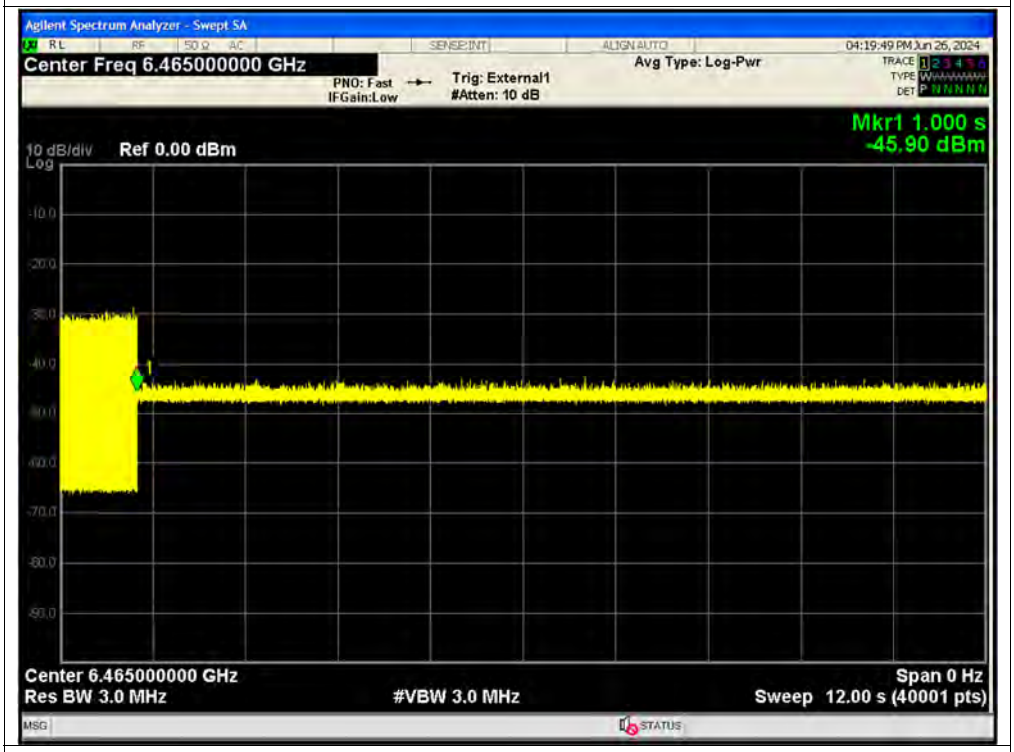
Contention Based Protocol NVNT ax80 6465MHz Interfere 6430 MHz_9



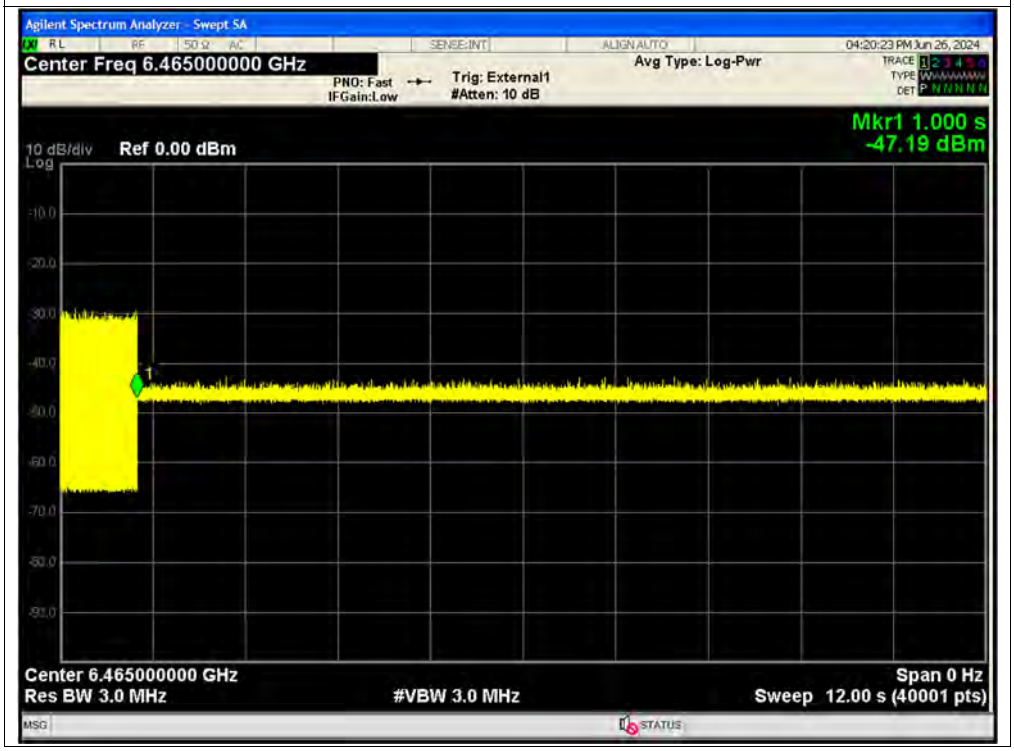
Contention Based Protocol NVNT ax80 6465MHz Interfere 6430 MHz_10



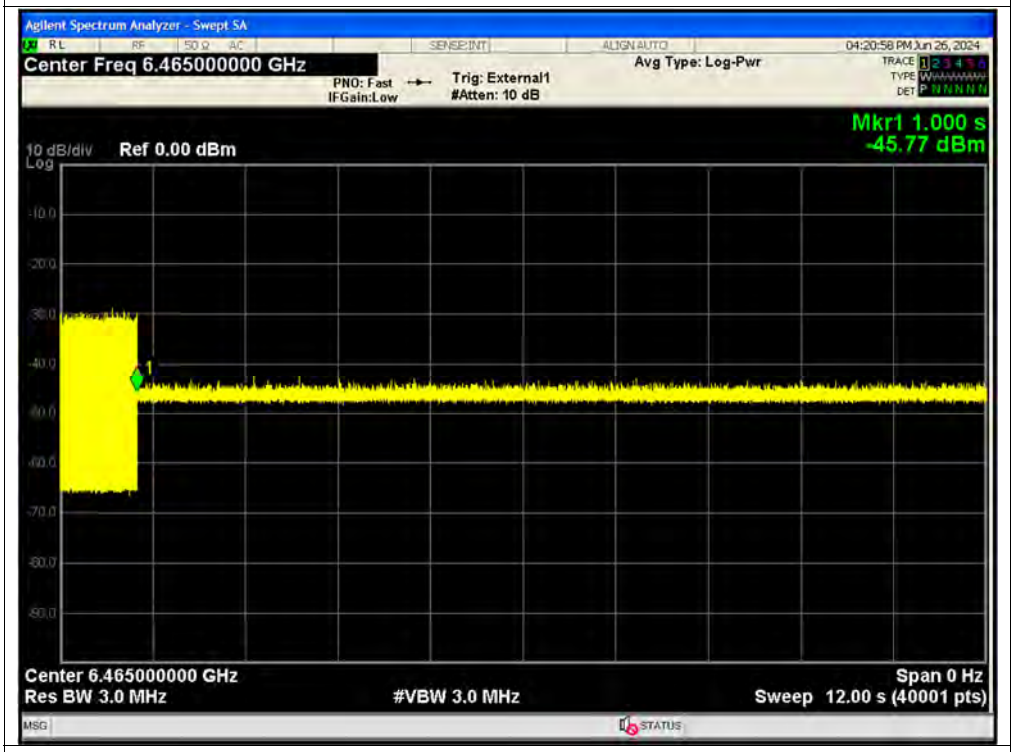
Contention Based Protocol NVNT ax80 6465MHz Interfere 6465 MHz_1



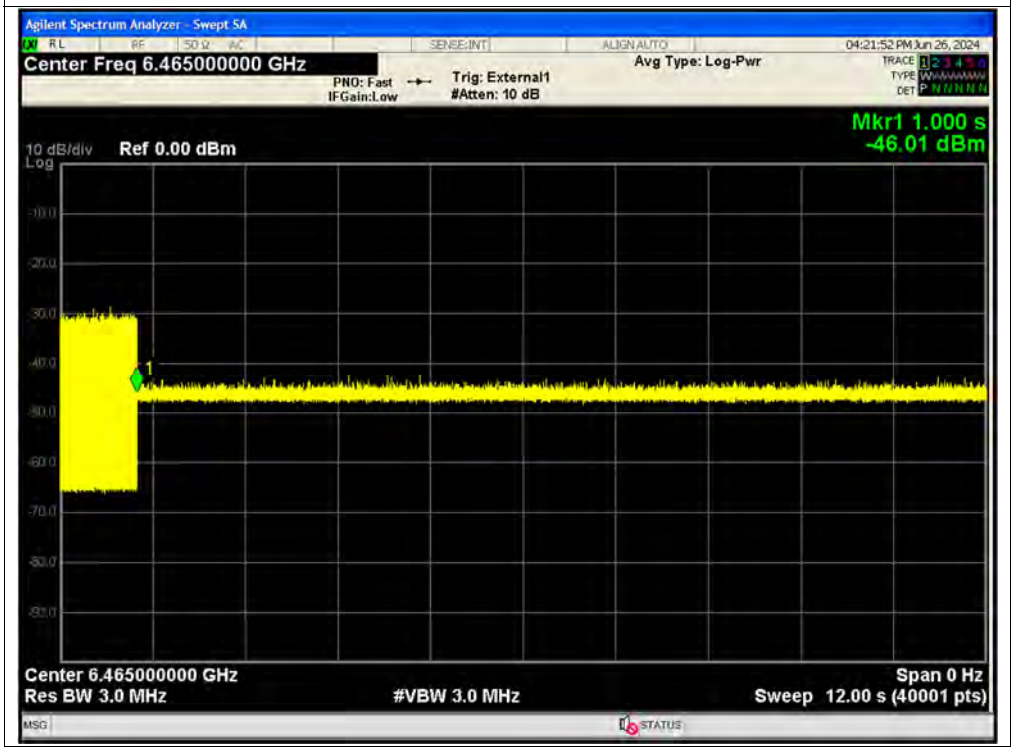
Contention Based Protocol NVNT ax80 6465MHz Interfere 6465 MHz_2



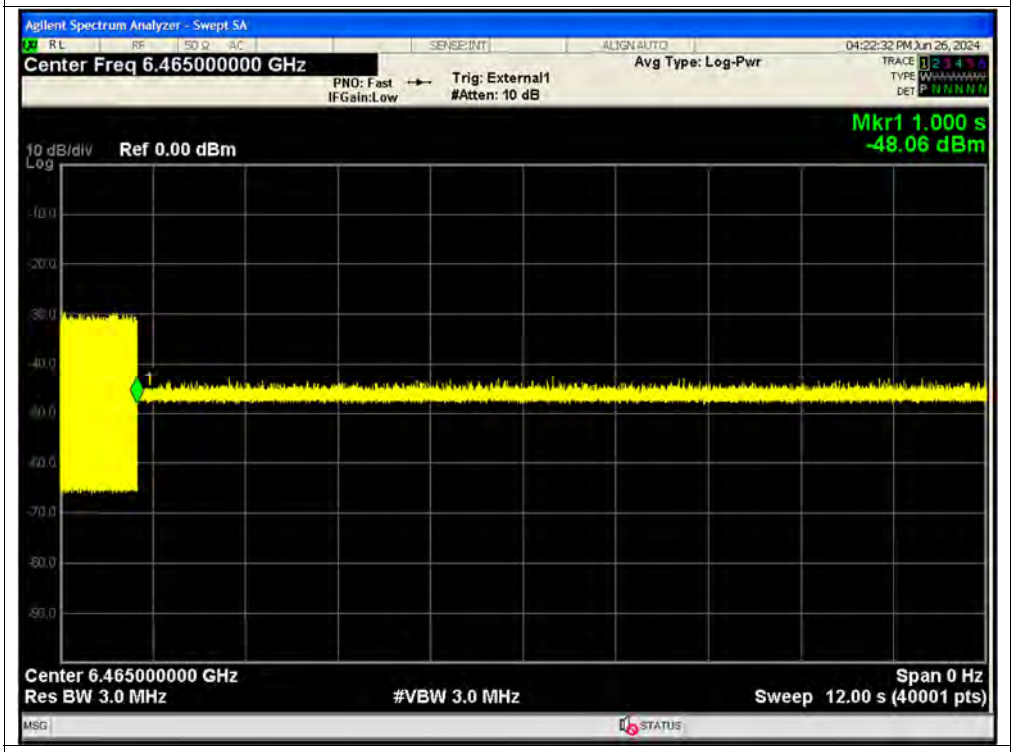
Contention Based Protocol NVNT ax80 6465MHz Interfere 6465 MHz_3



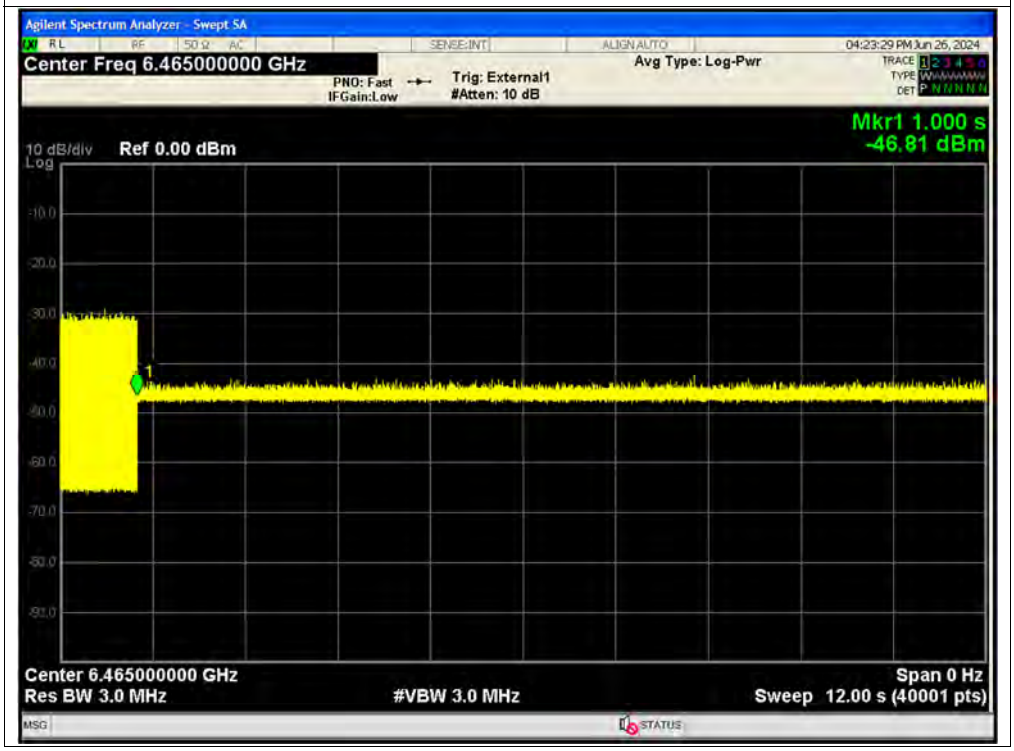
Contention Based Protocol NVNT ax80 6465MHz Interfere 6465 MHz_4



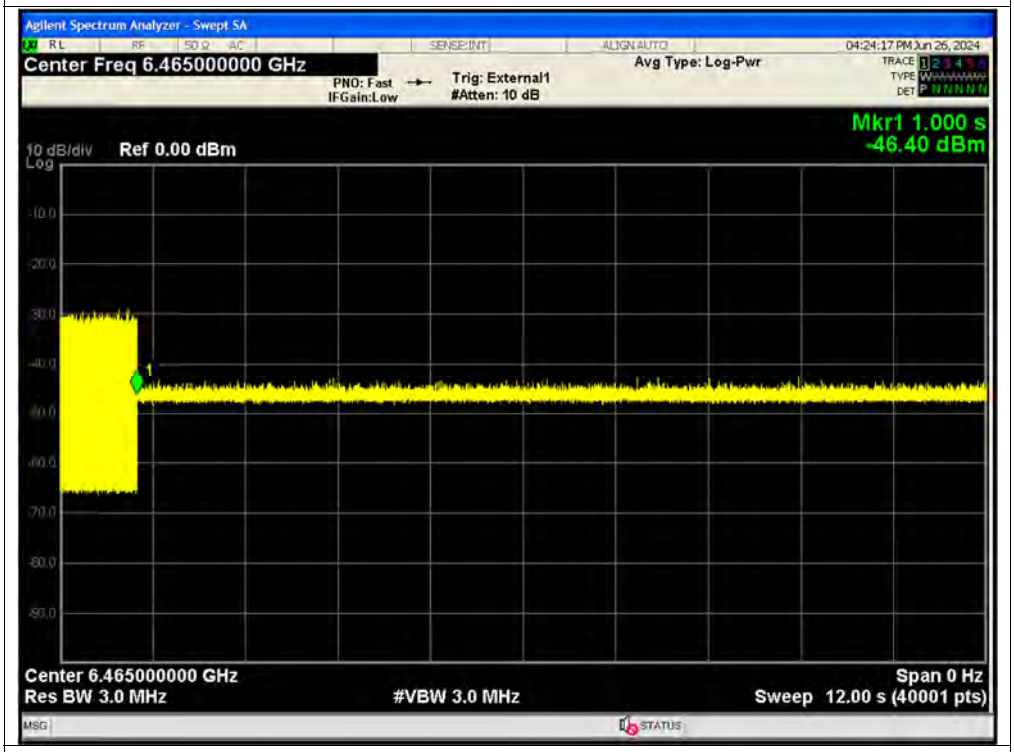
Contention Based Protocol NVNT ax80 6465MHz Interfere 6465 MHz_5



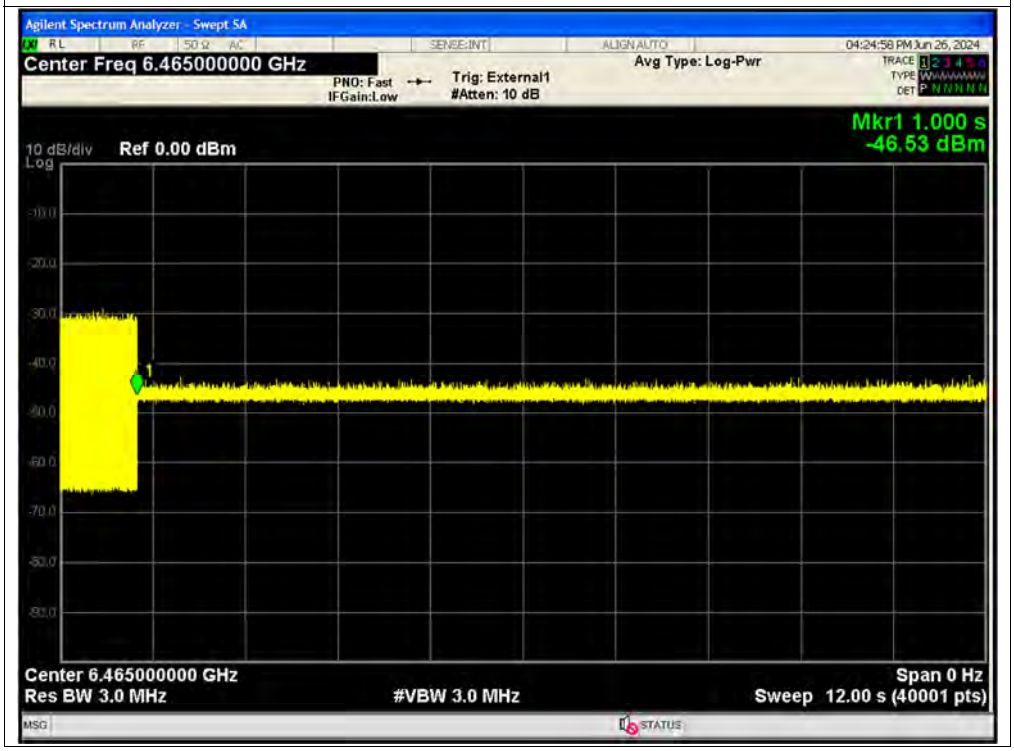
Contention Based Protocol NVNT ax80 6465MHz Interfere 6465 MHz_6



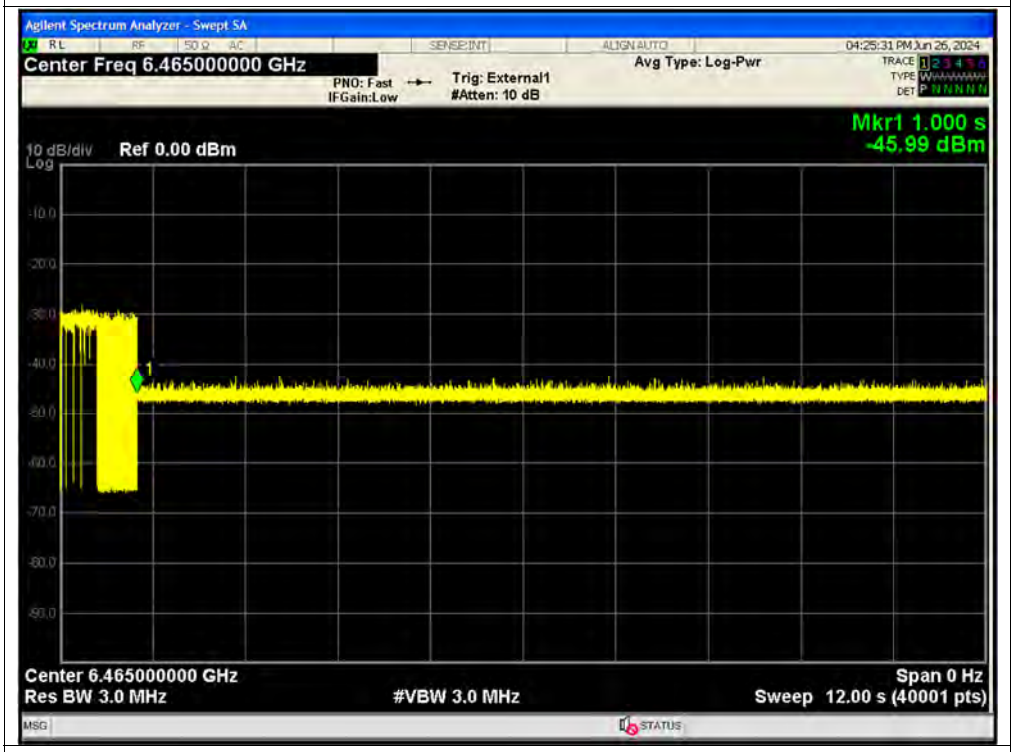
Contention Based Protocol NVNT ax80 6465MHz Interfere 6465 MHz_7



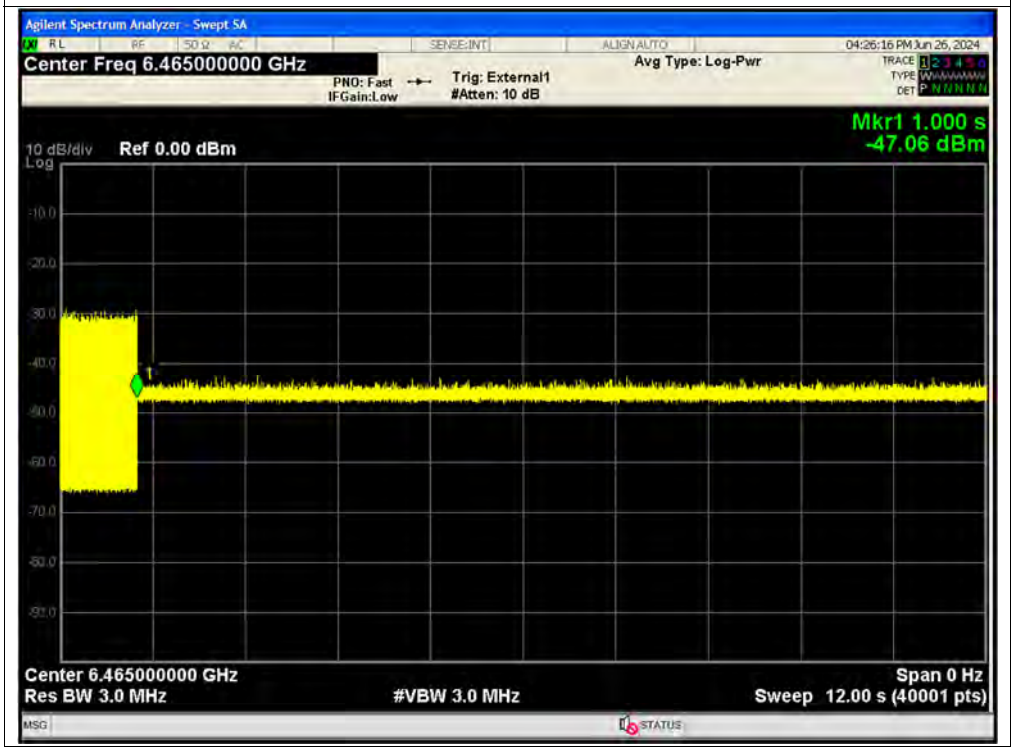
Contention Based Protocol NVNT ax80 6465MHz Interfere 6465 MHz_8



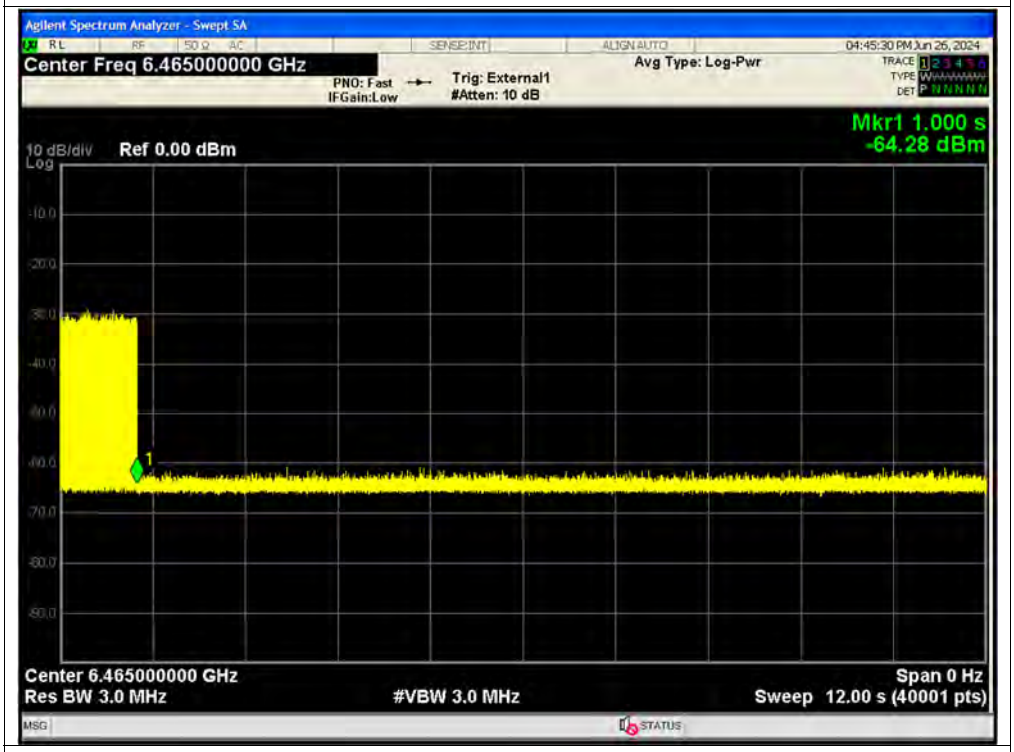
Contention Based Protocol NVNT ax80 6465MHz Interfere 6465 MHz_9



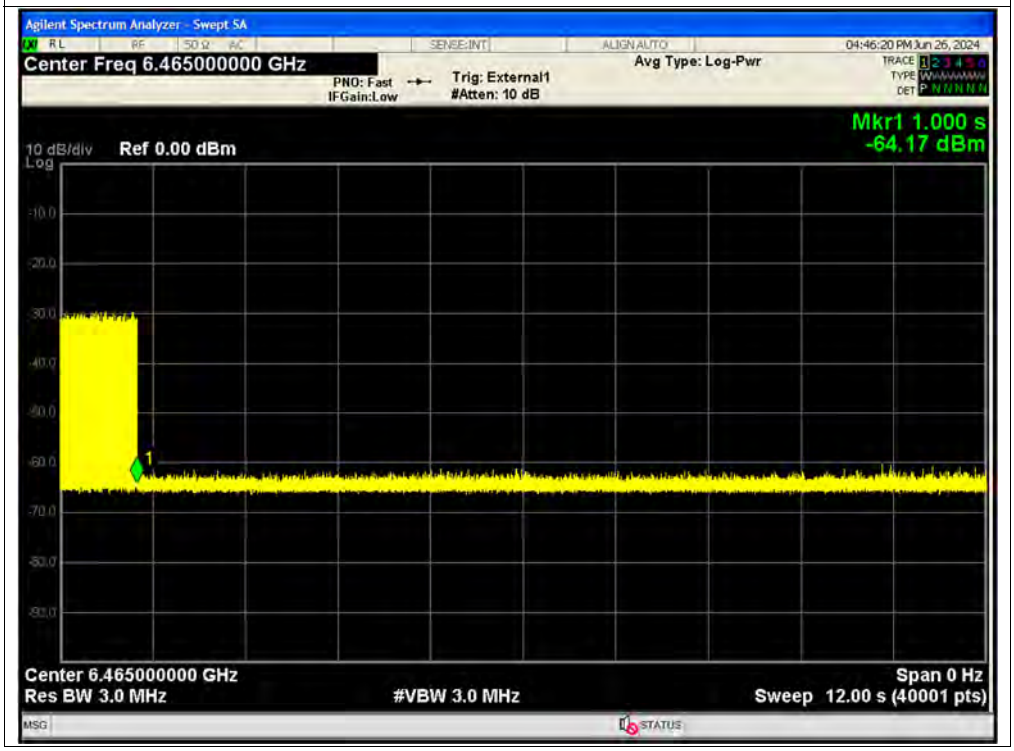
Contention Based Protocol NVNT ax80 6465MHz Interfere 6465 MHz_10



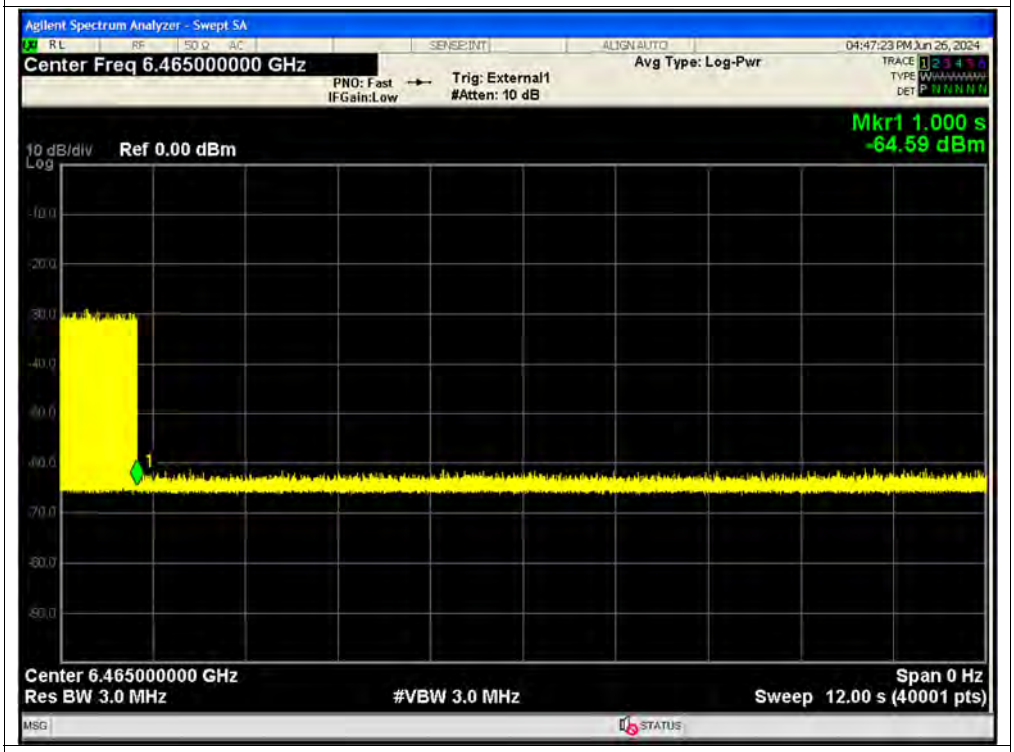
Contention Based Protocol NVNT ax80 6465MHz Interfere 6500 MHz_1



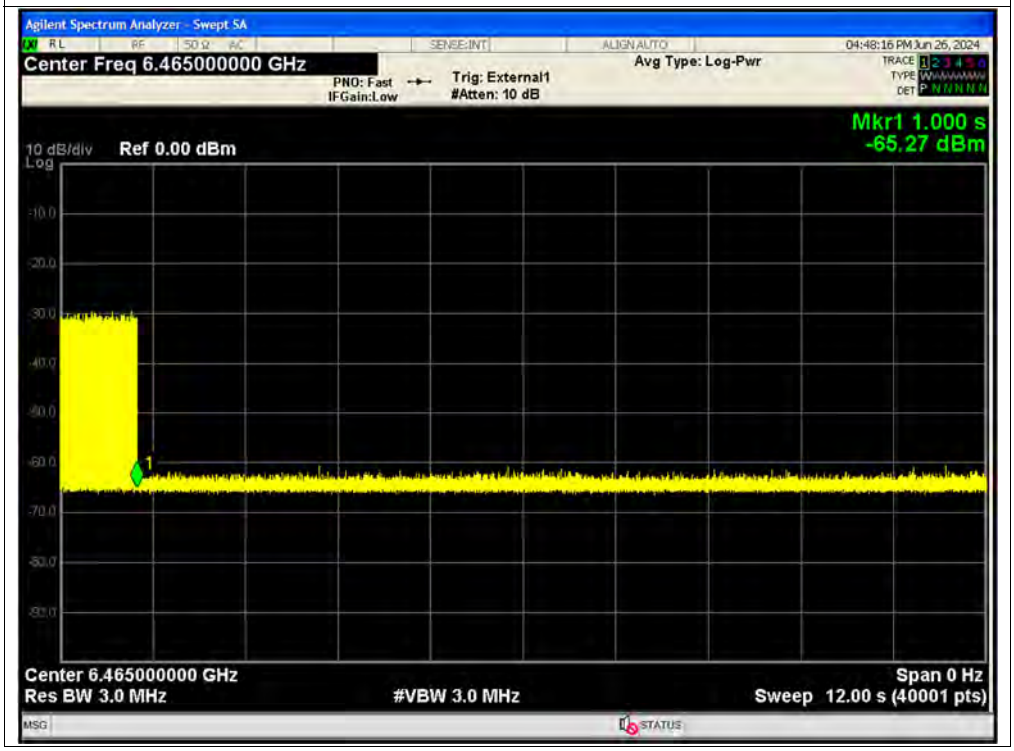
Contention Based Protocol NVNT ax80 6465MHz Interfere 6500 MHz_2



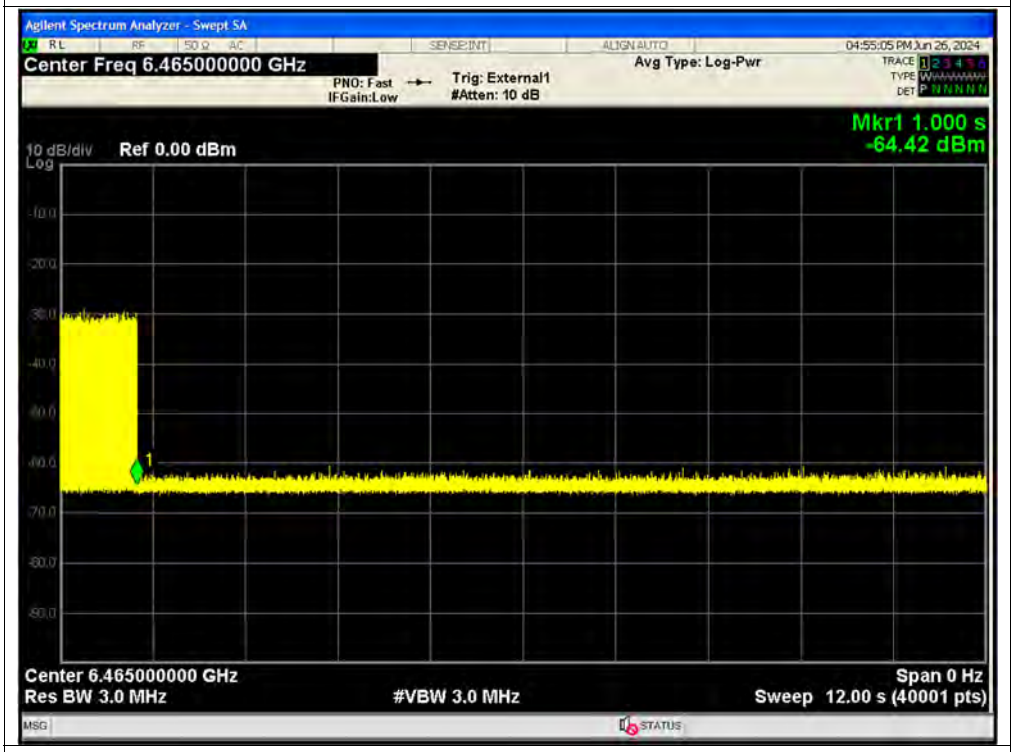
Contention Based Protocol NVNT ax80 6465MHz Interfere 6500 MHz_3



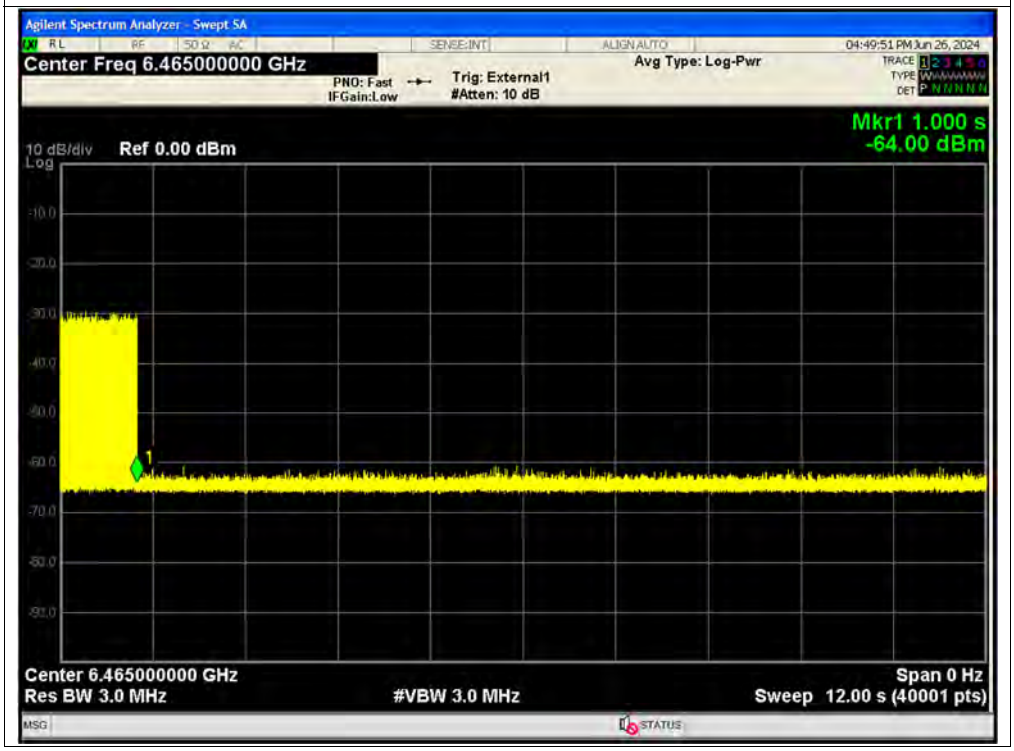
Contention Based Protocol NVNT ax80 6465MHz Interfere 6500 MHz_4



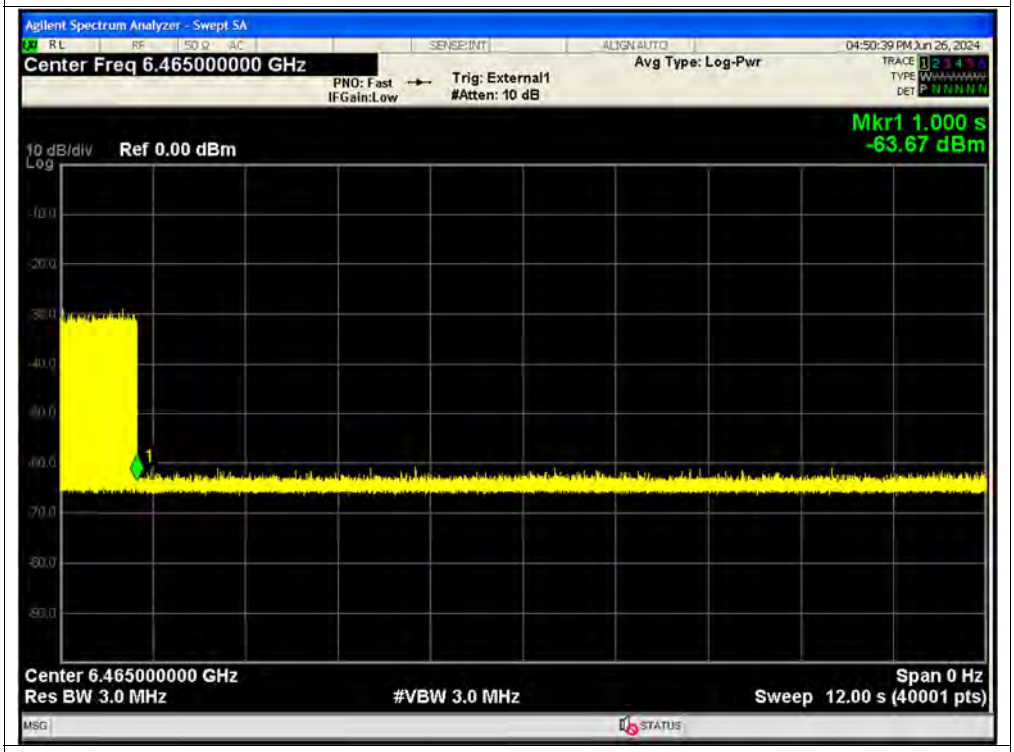
Contention Based Protocol NVNT ax80 6465MHz Interfere 6500 MHz_5



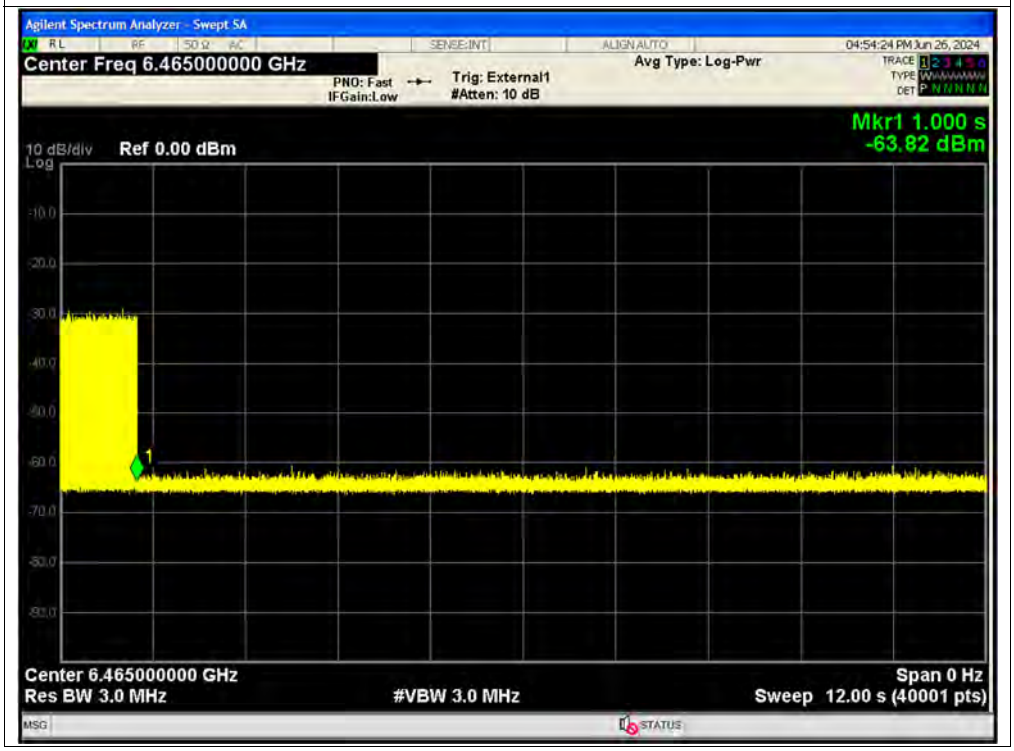
Contention Based Protocol NVNT ax80 6465MHz Interfere 6500 MHz_6



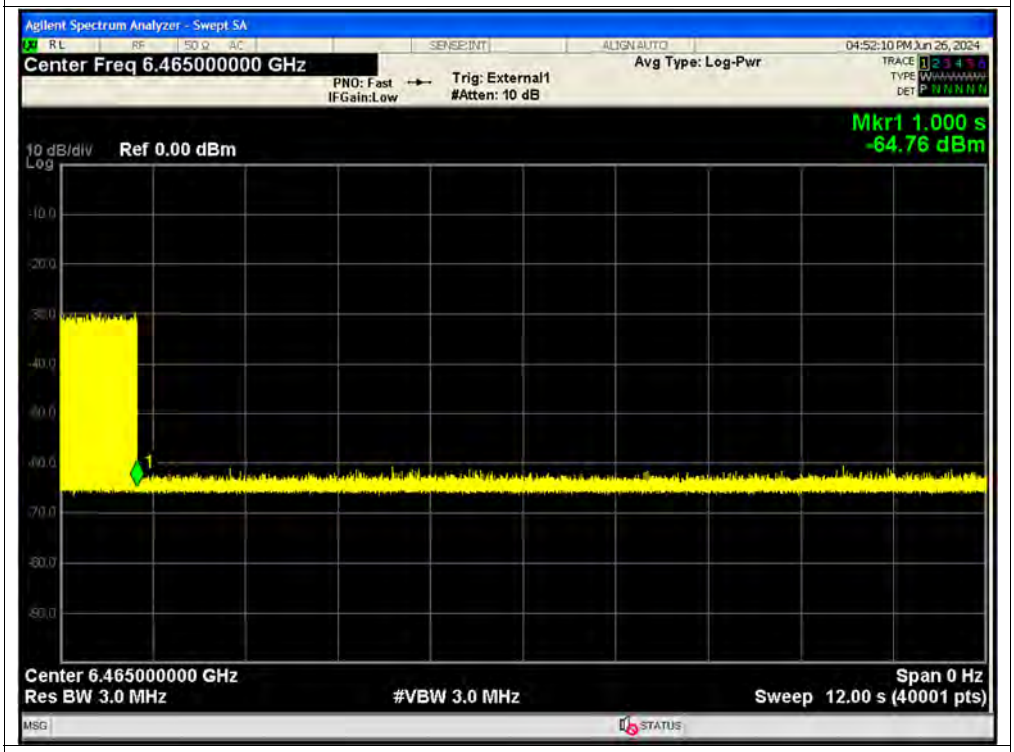
Contention Based Protocol NVNT ax80 6465MHz Interfere 6500 MHz_7



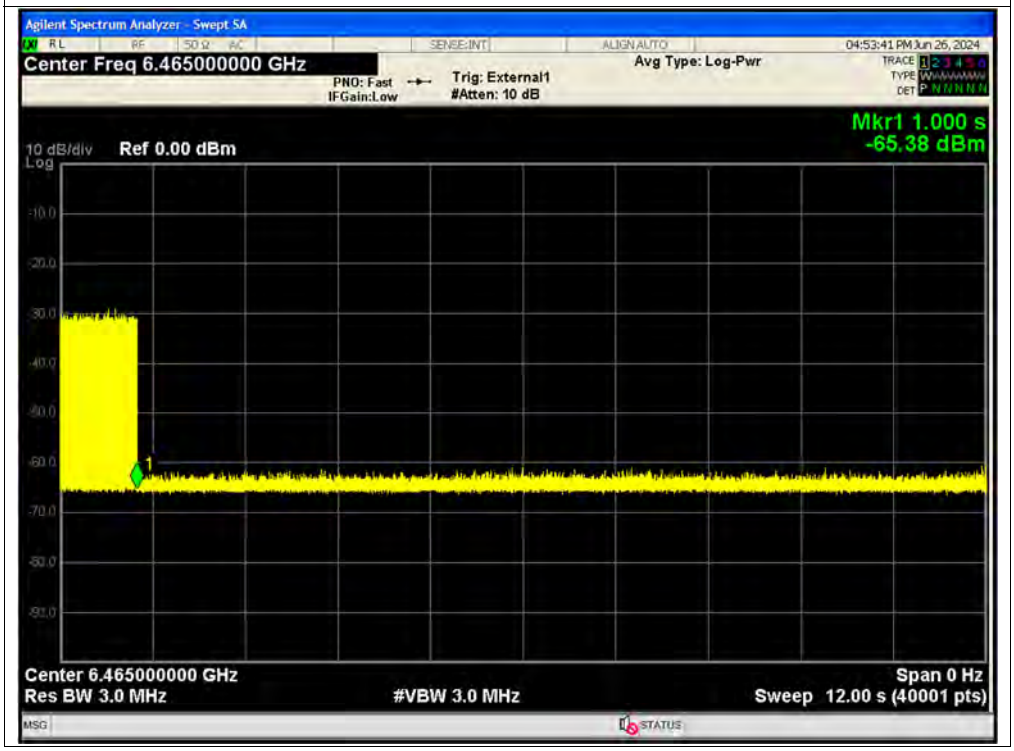
Contention Based Protocol NVNT ax80 6465MHz Interfere 6500 MHz_8



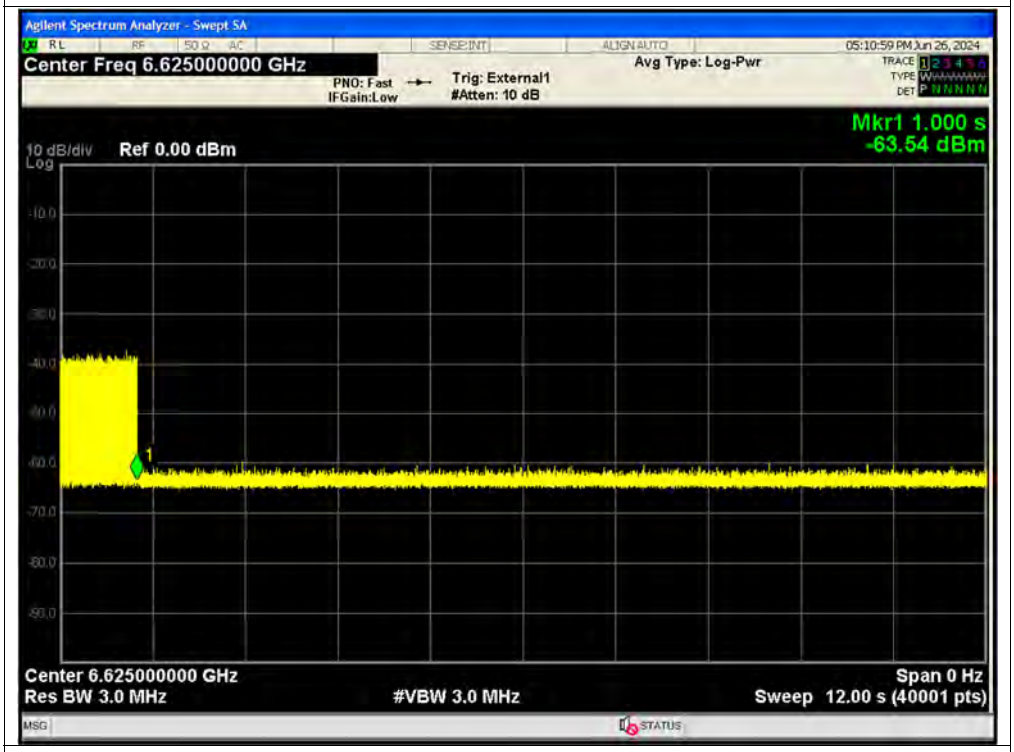
Contention Based Protocol NVNT ax80 6465MHz Interfere 6500 MHz_9



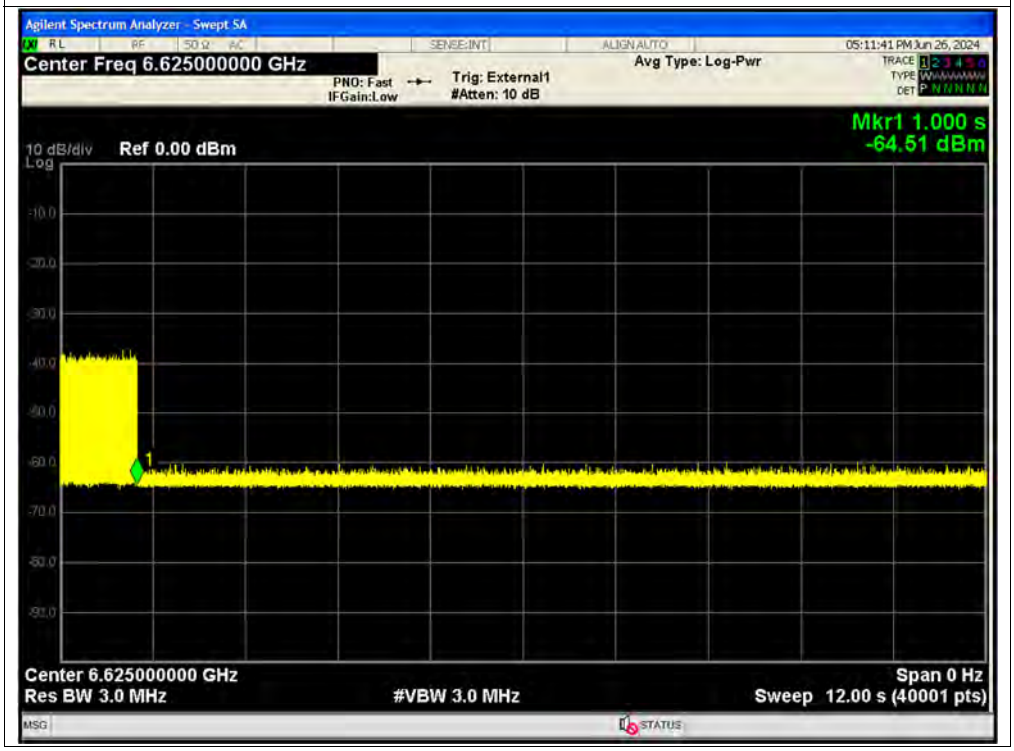
Contention Based Protocol NVNT ax80 6465MHz Interfere 6500 MHz_10



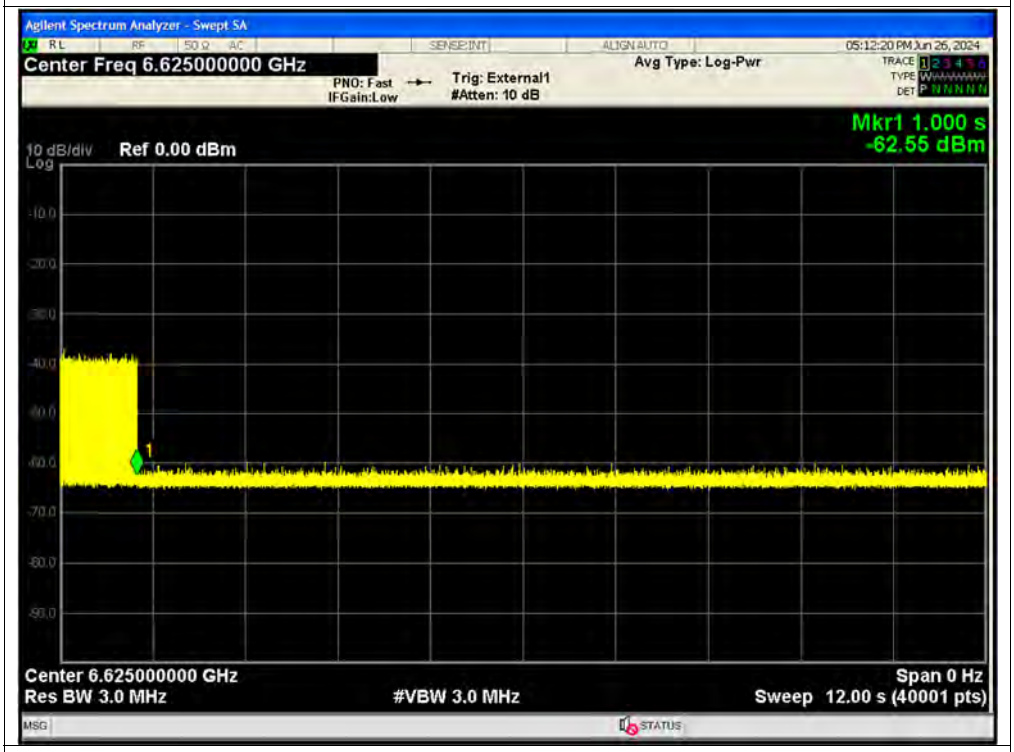
Contention Based Protocol NVNT ax80 6625MHz Interfere 6590 MHz_1



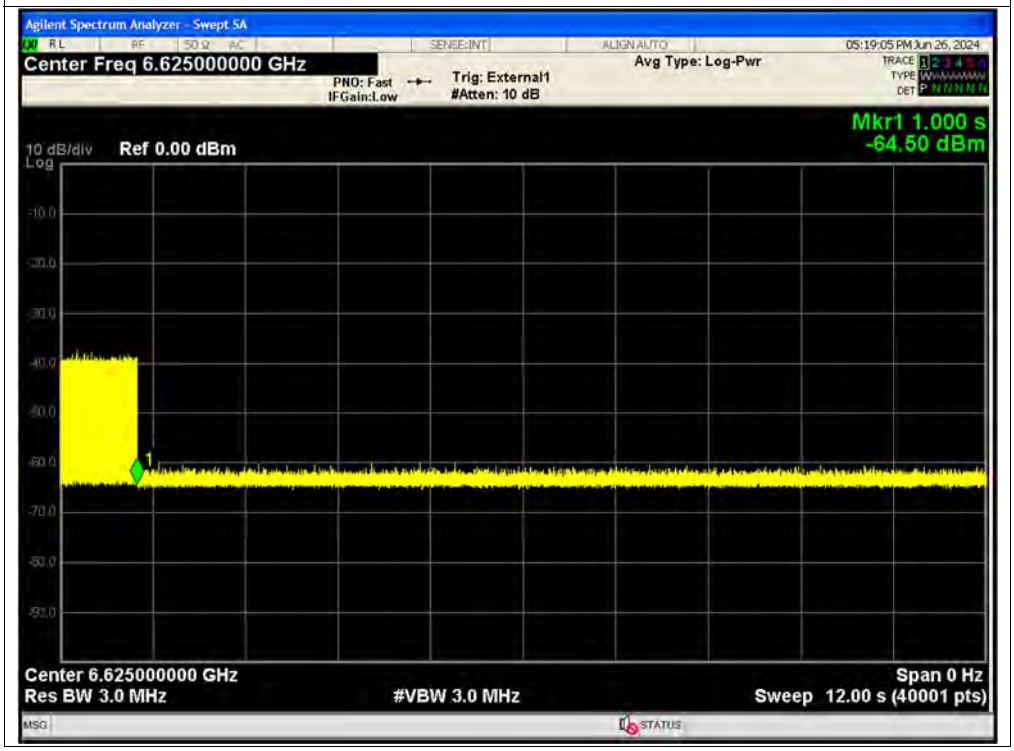
Contention Based Protocol NVNT ax80 6625MHz Interfere 6590 MHz_2



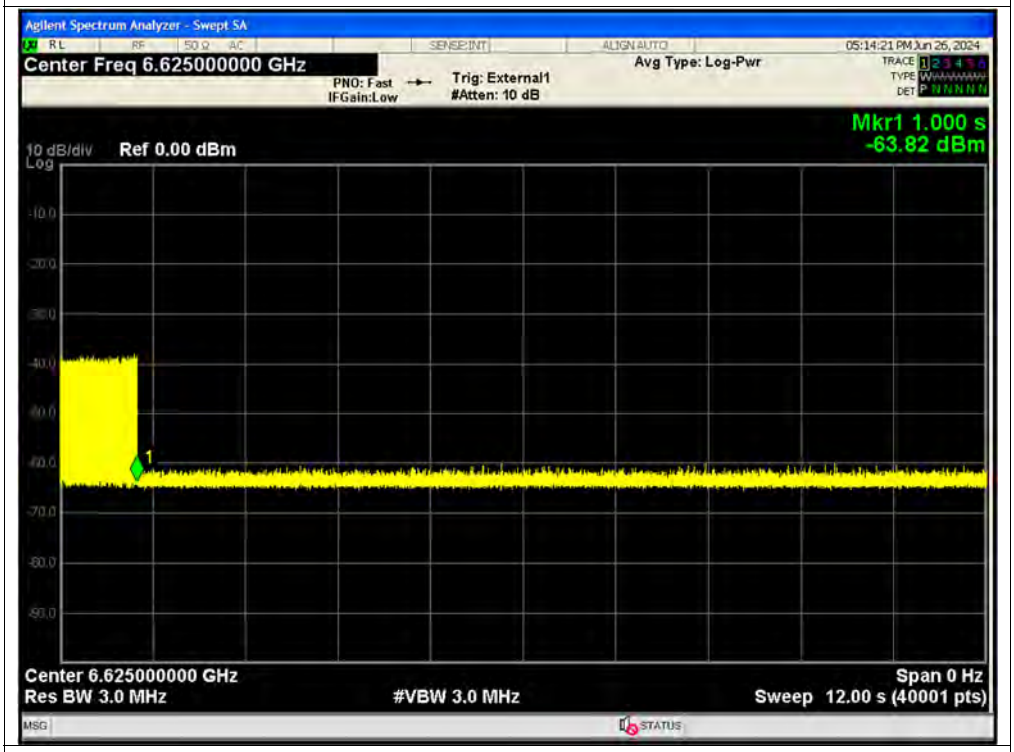
Contention Based Protocol NVNT ax80 6625MHz Interfere 6590 MHz_3



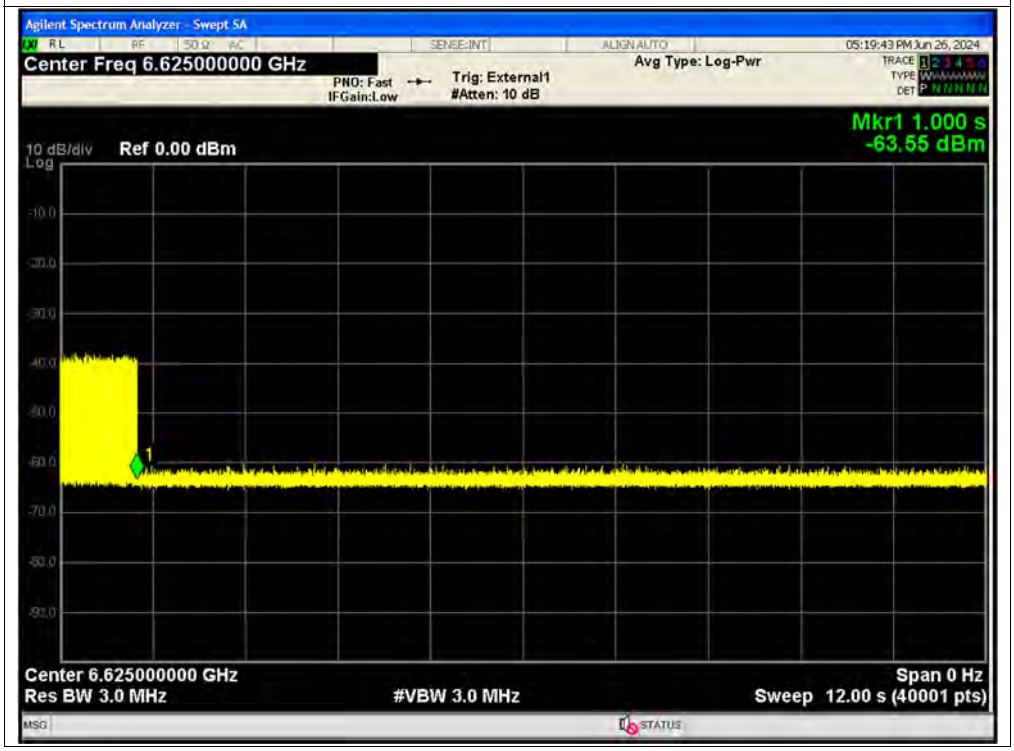
Contention Based Protocol NVNT ax80 6625MHz Interfere 6590 MHz_4



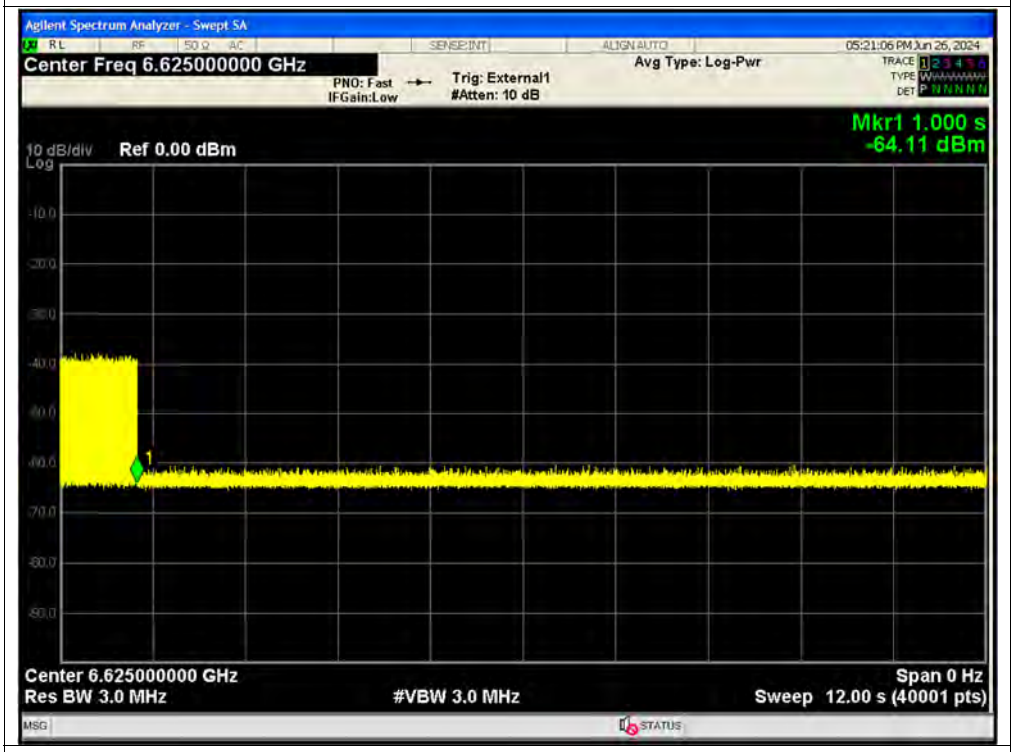
Contention Based Protocol NVNT ax80 6625MHz Interfere 6590 MHz_5



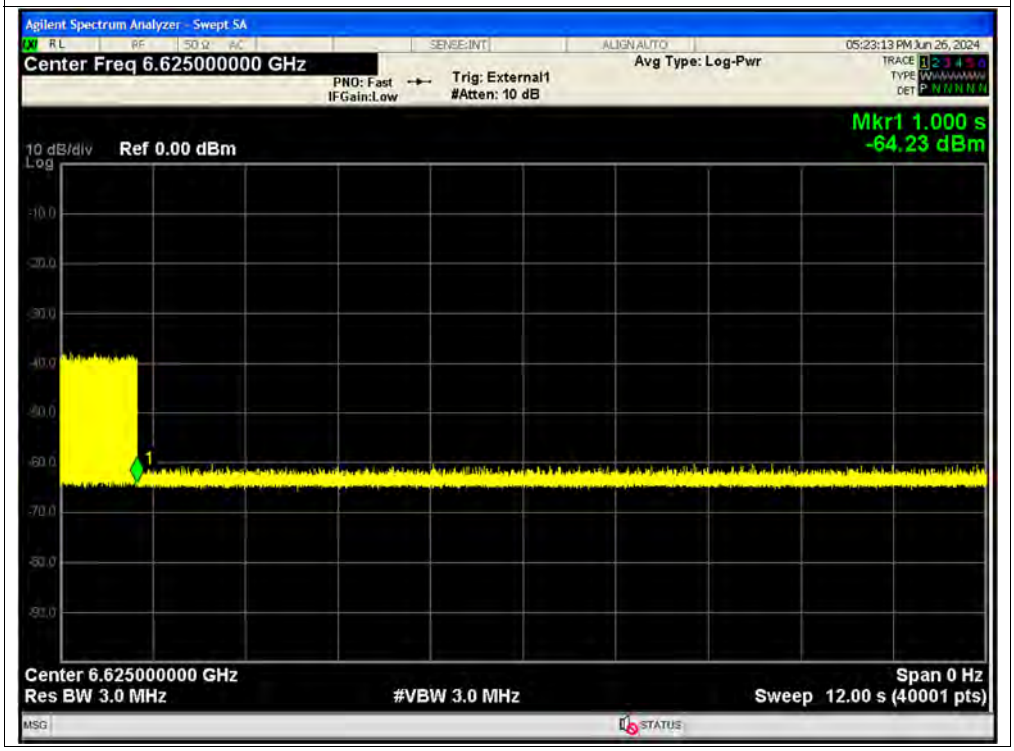
Contention Based Protocol NVNT ax80 6625MHz Interfere 6590 MHz_6



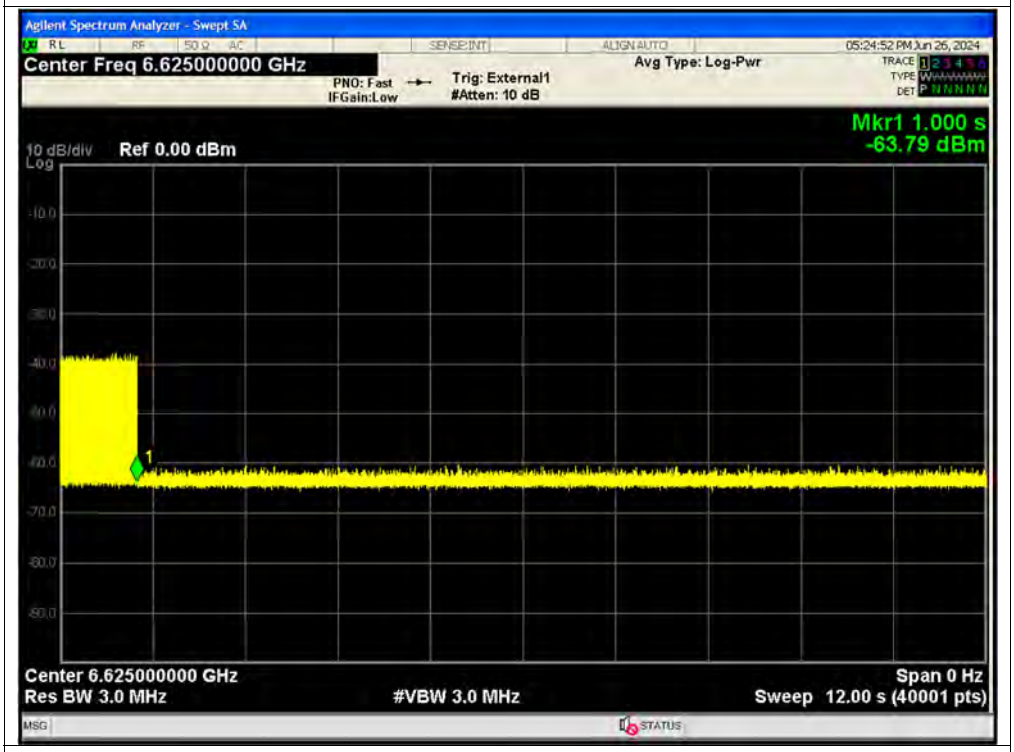
Contention Based Protocol NVNT ax80 6625MHz Interfere 6590 MHz_7



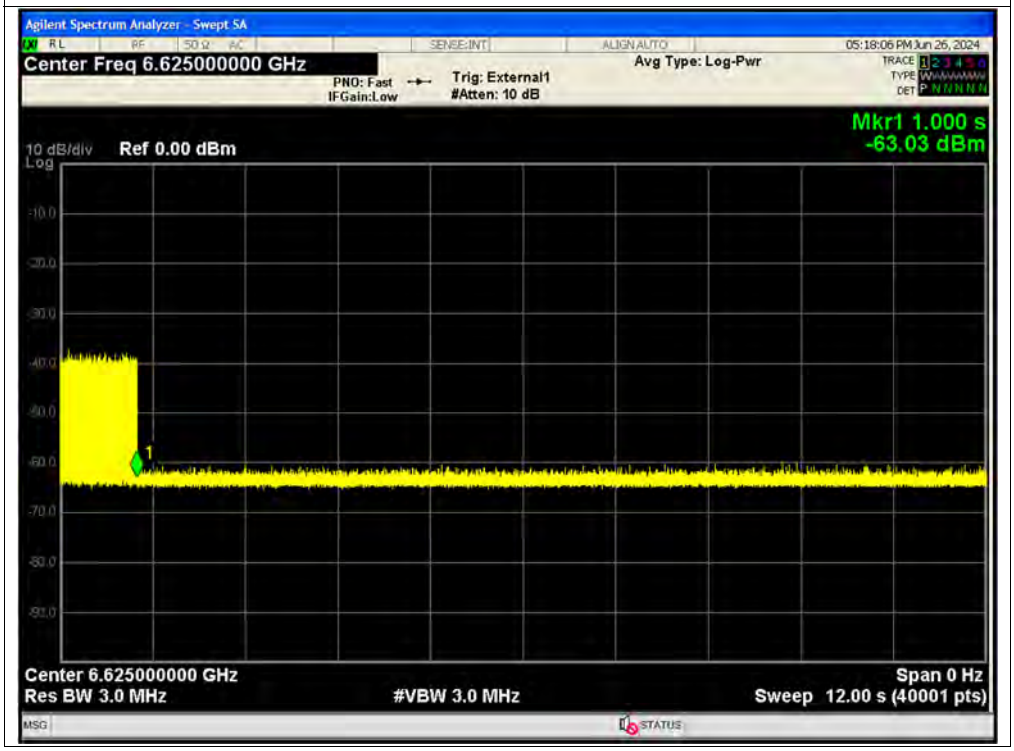
Contention Based Protocol NVNT ax80 6625MHz Interfere 6590 MHz_8



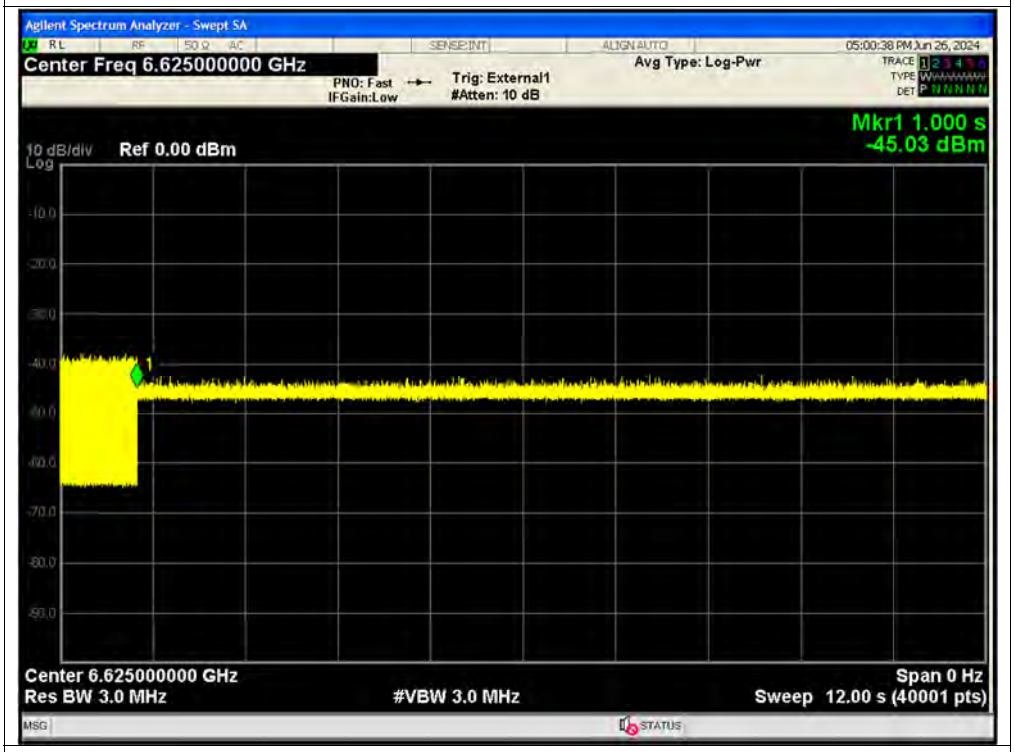
Contention Based Protocol NVNT ax80 6625MHz Interfere 6590 MHz_9



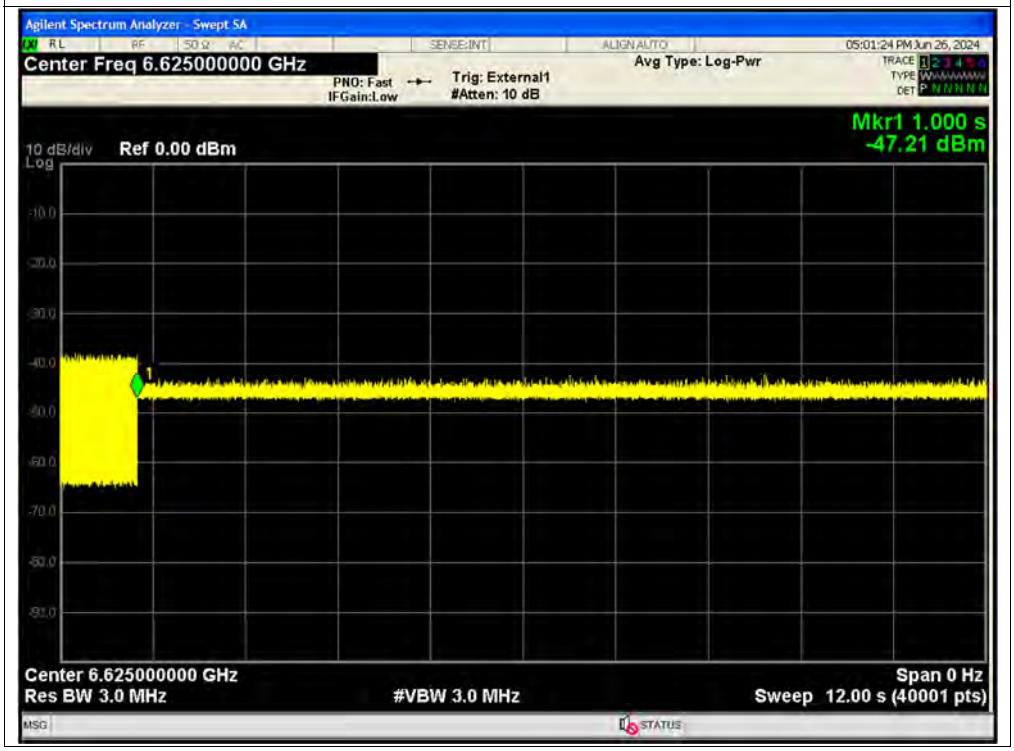
Contention Based Protocol NVNT ax80 6625MHz Interfere 6590 MHz_10



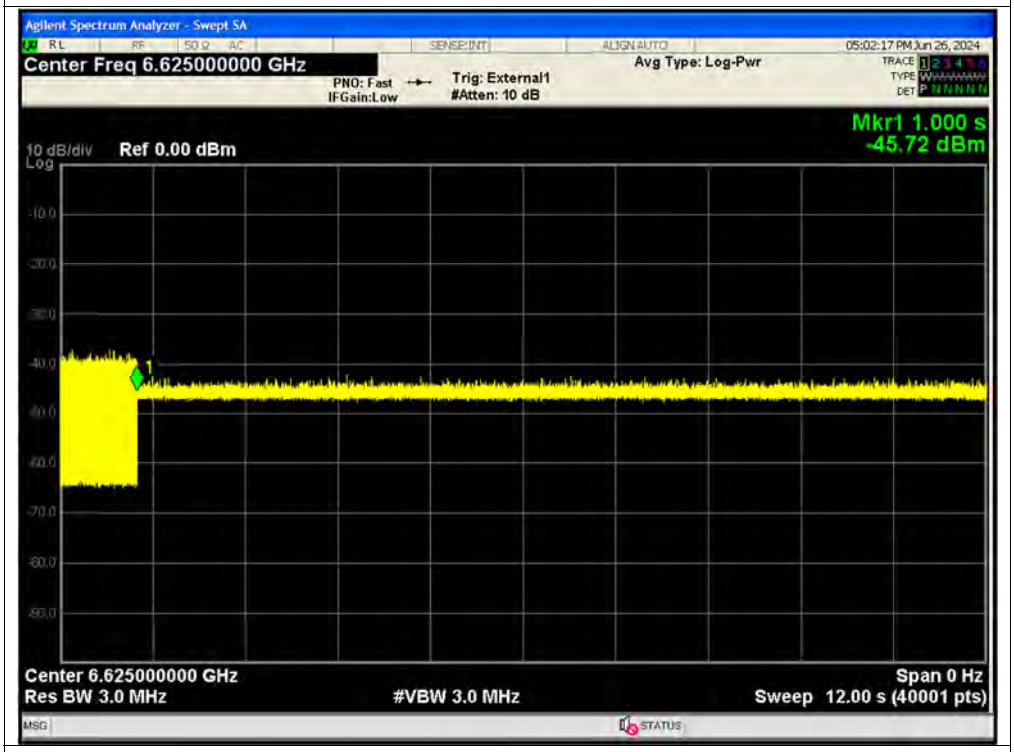
Contention Based Protocol NVNT ax80 6625MHz Interfere 6625 MHz_1



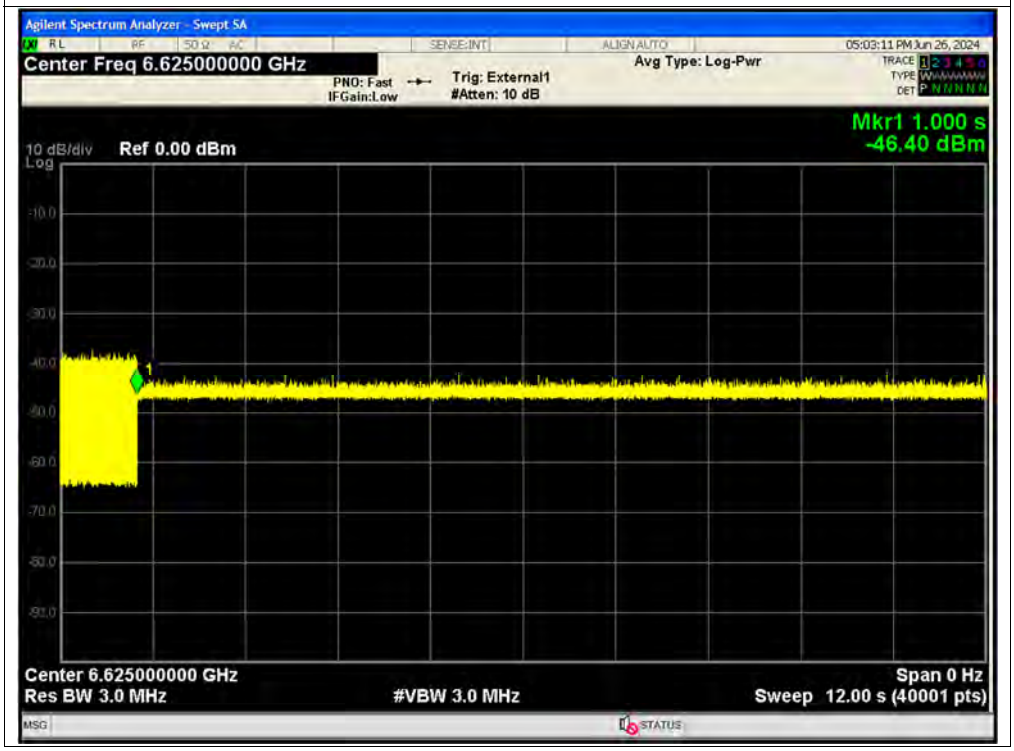
Contention Based Protocol NVNT ax80 6625MHz Interfere 6625 MHz_2



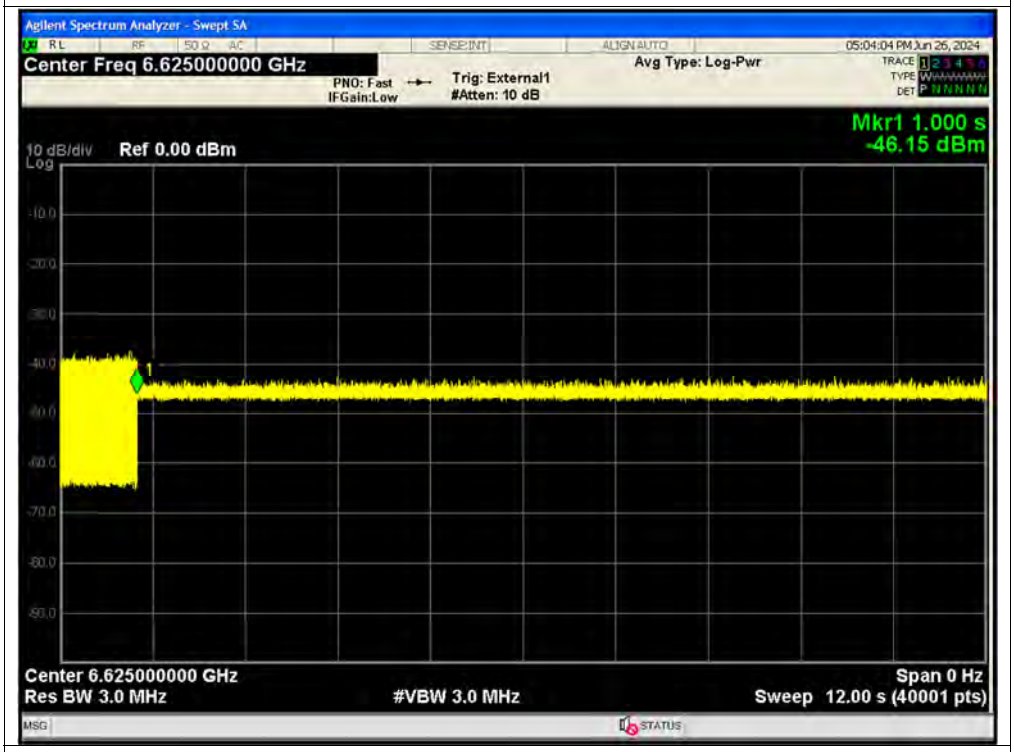
Contention Based Protocol NVNT ax80 6625MHz Interfere 6625 MHz_3



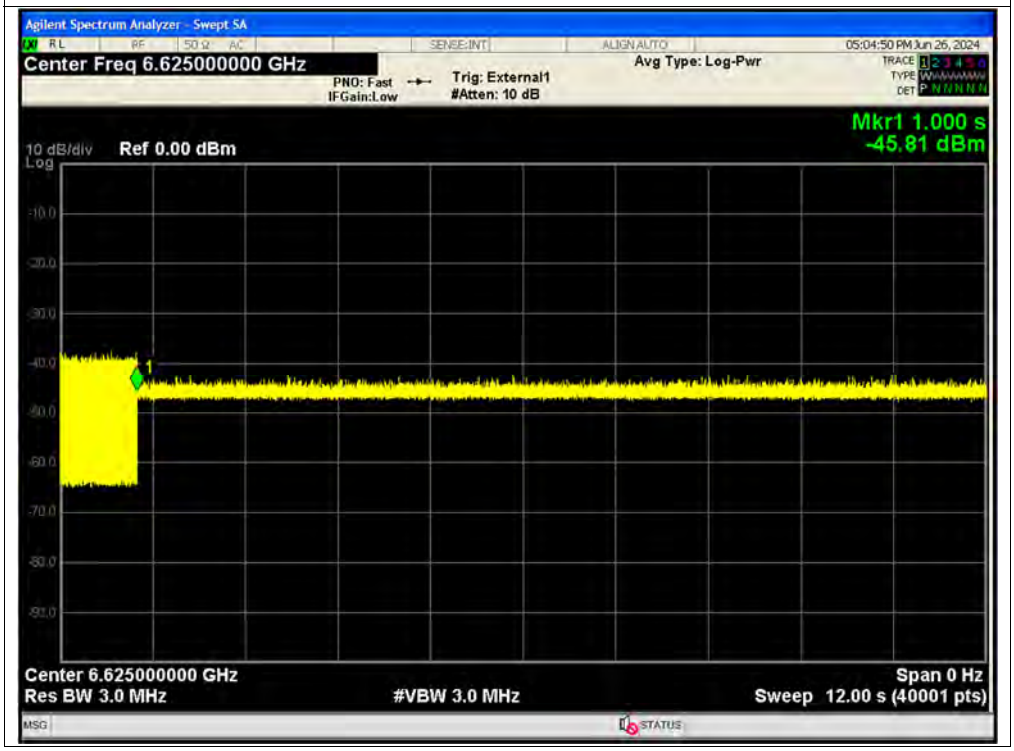
Contention Based Protocol NVNT ax80 6625MHz Interfere 6625 MHz_4



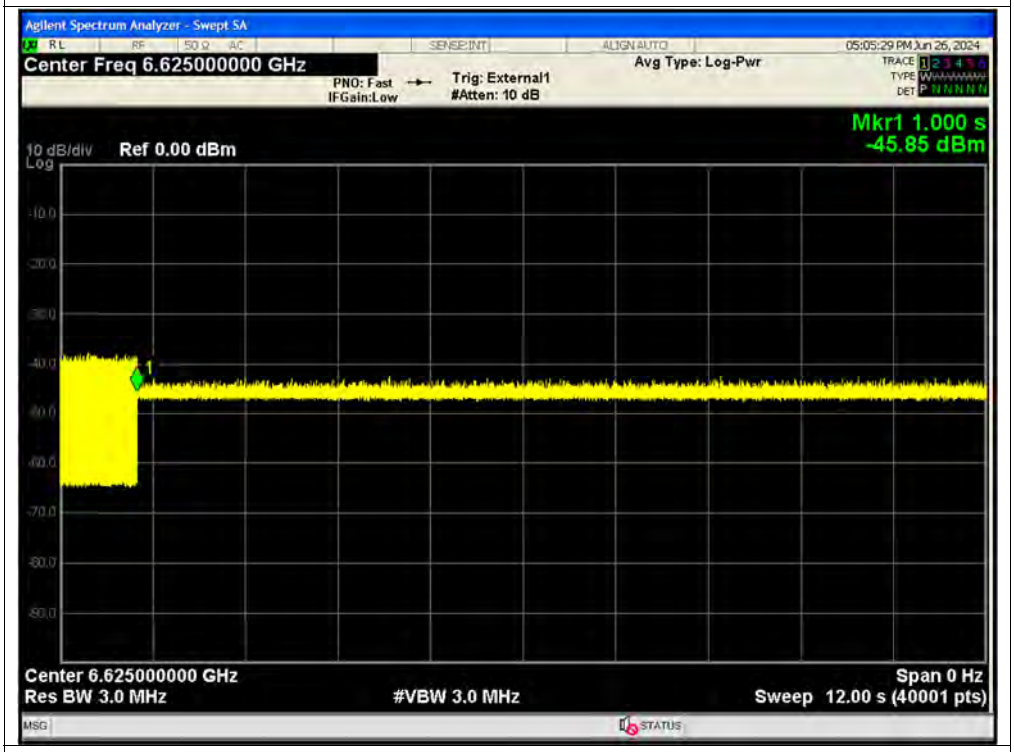
Contention Based Protocol NVNT ax80 6625MHz Interfere 6625 MHz_5



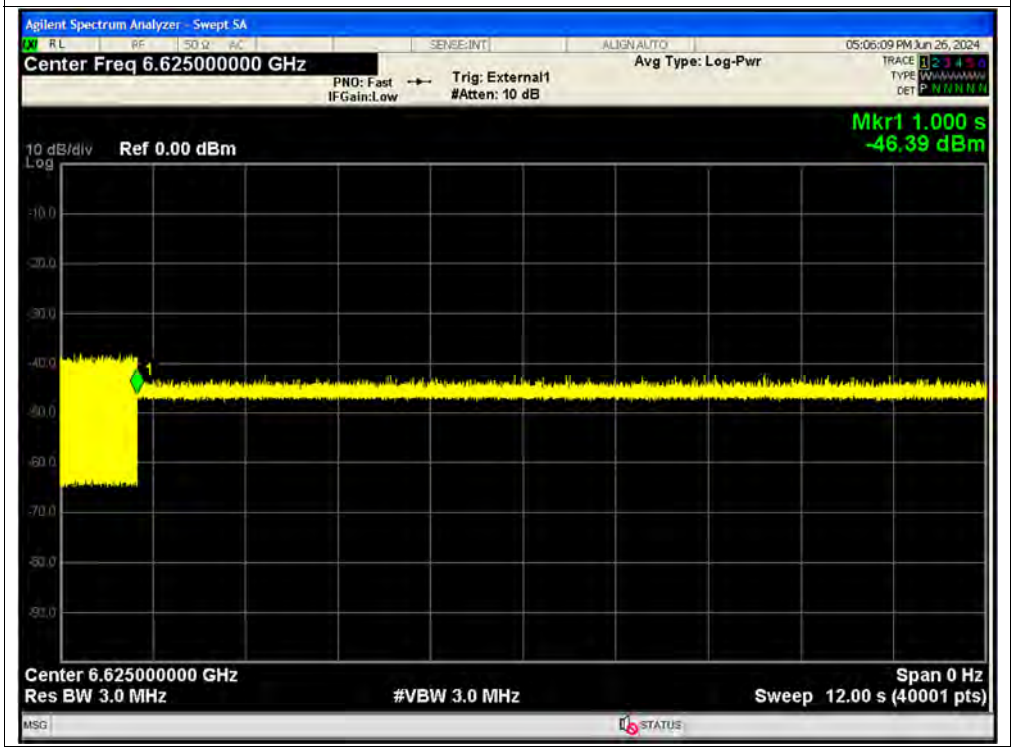
Contention Based Protocol NVNT ax80 6625MHz Interfere 6625 MHz_6



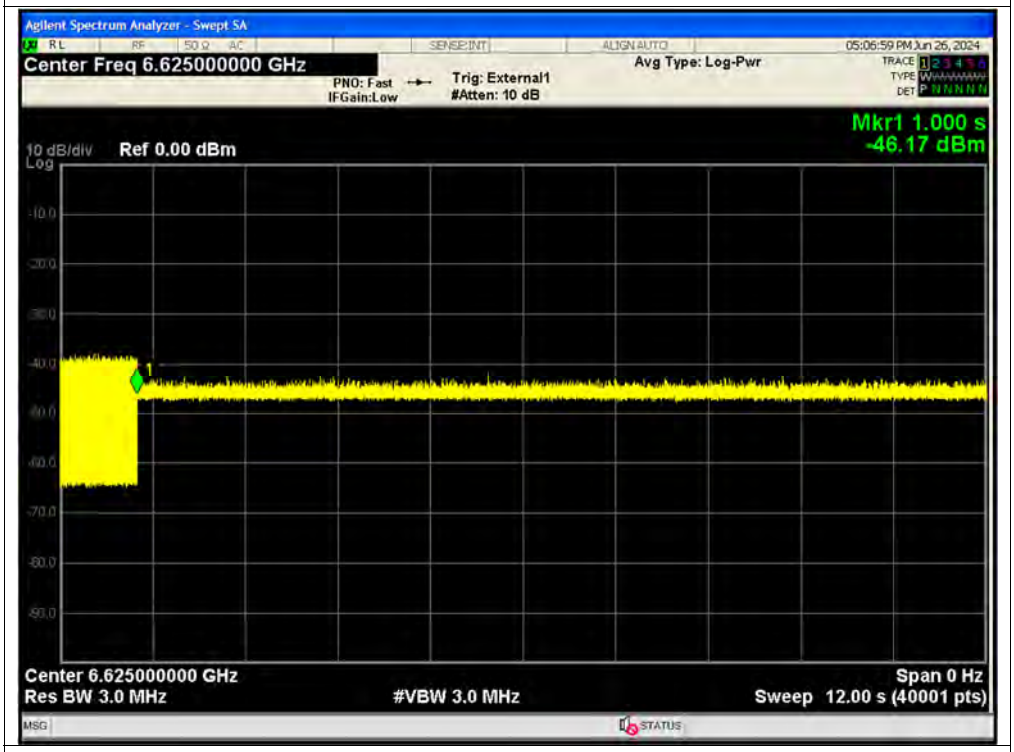
Contention Based Protocol NVNT ax80 6625MHz Interfere 6625 MHz_7



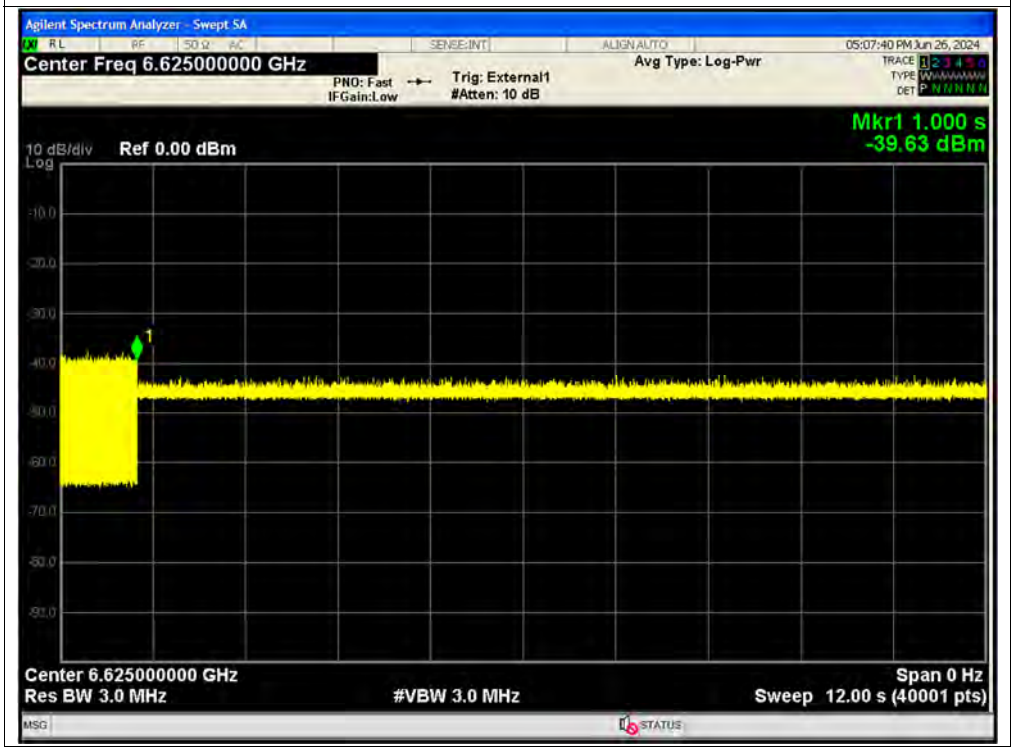
Contention Based Protocol NVNT ax80 6625MHz Interfere 6625 MHz_8



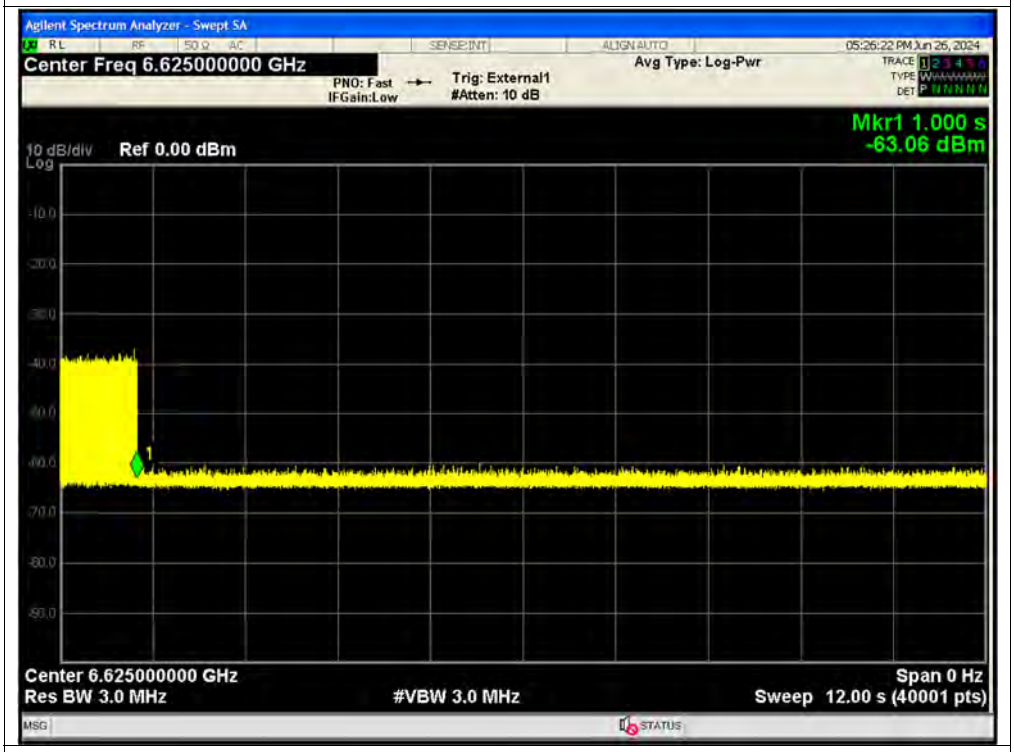
Contention Based Protocol NVNT ax80 6625MHz Interfere 6625 MHz_9



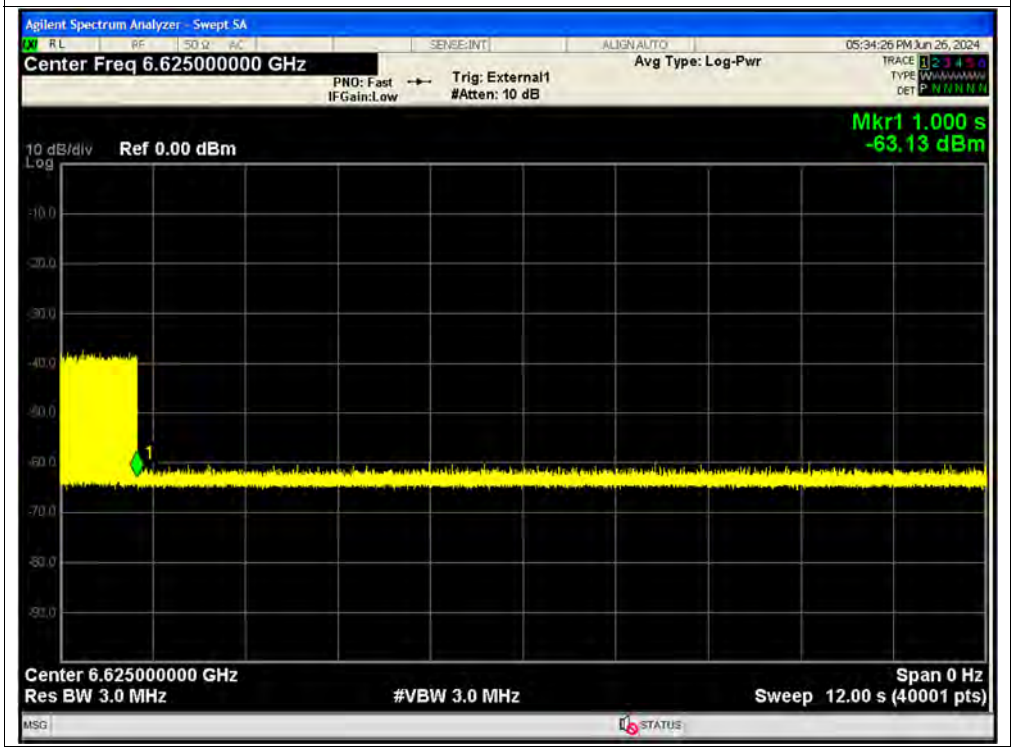
Contention Based Protocol NVNT ax80 6625MHz Interfere 6625 MHz_10



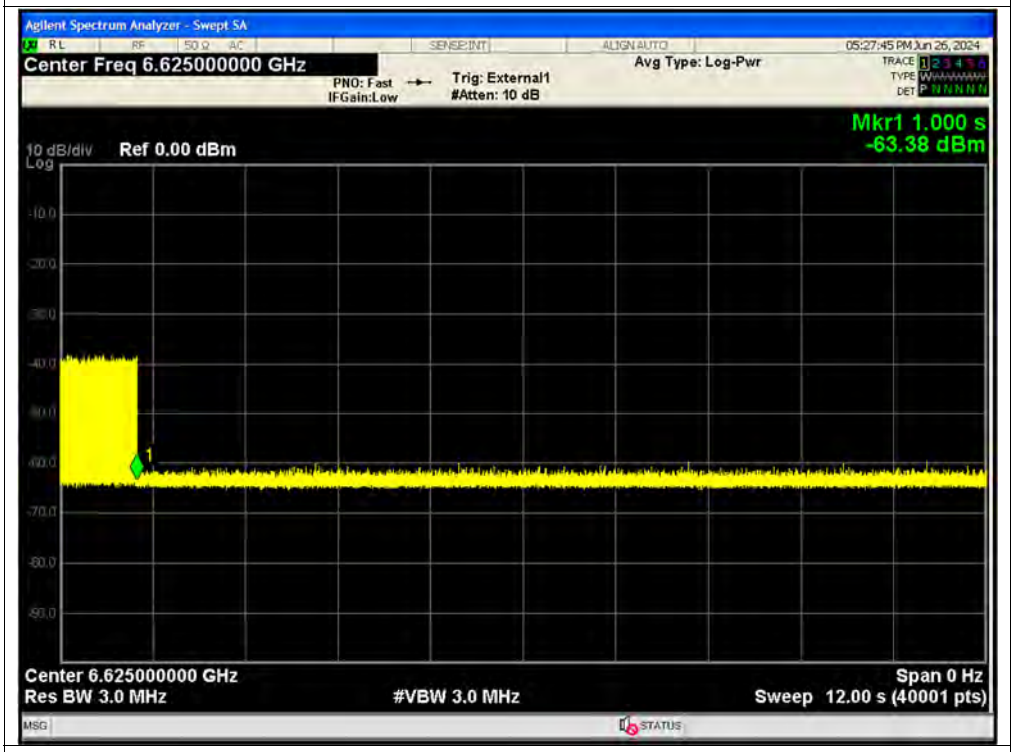
Contention Based Protocol NVNT ax80 6625MHz Interfere 6660 MHz_1



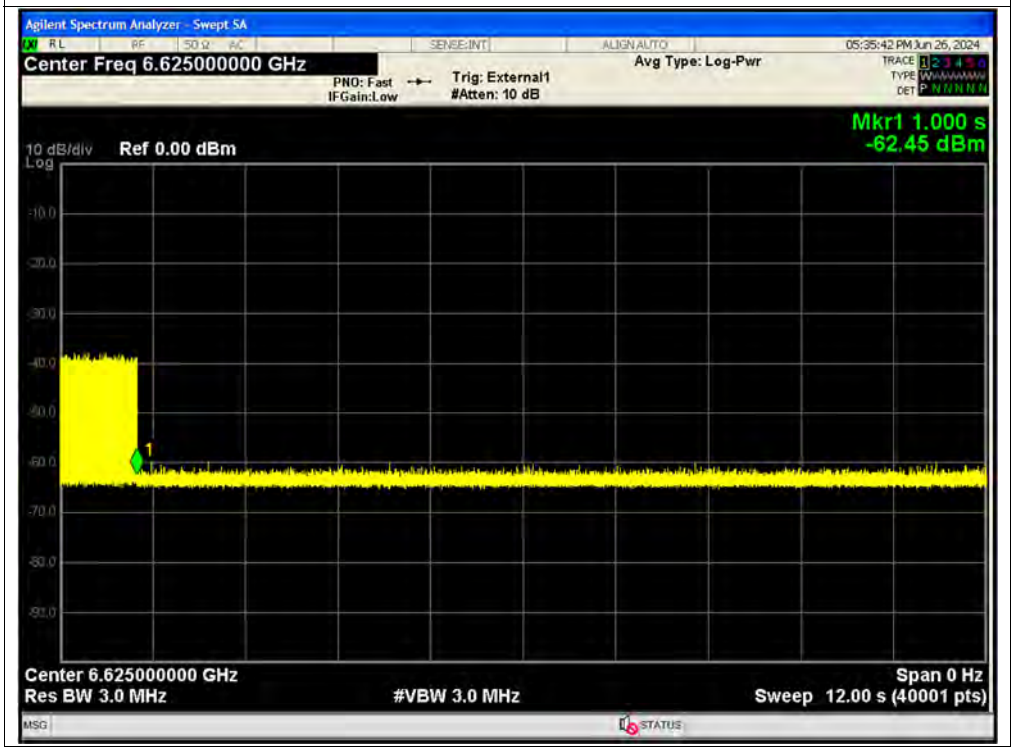
Contention Based Protocol NVNT ax80 6625MHz Interfere 6660 MHz_2



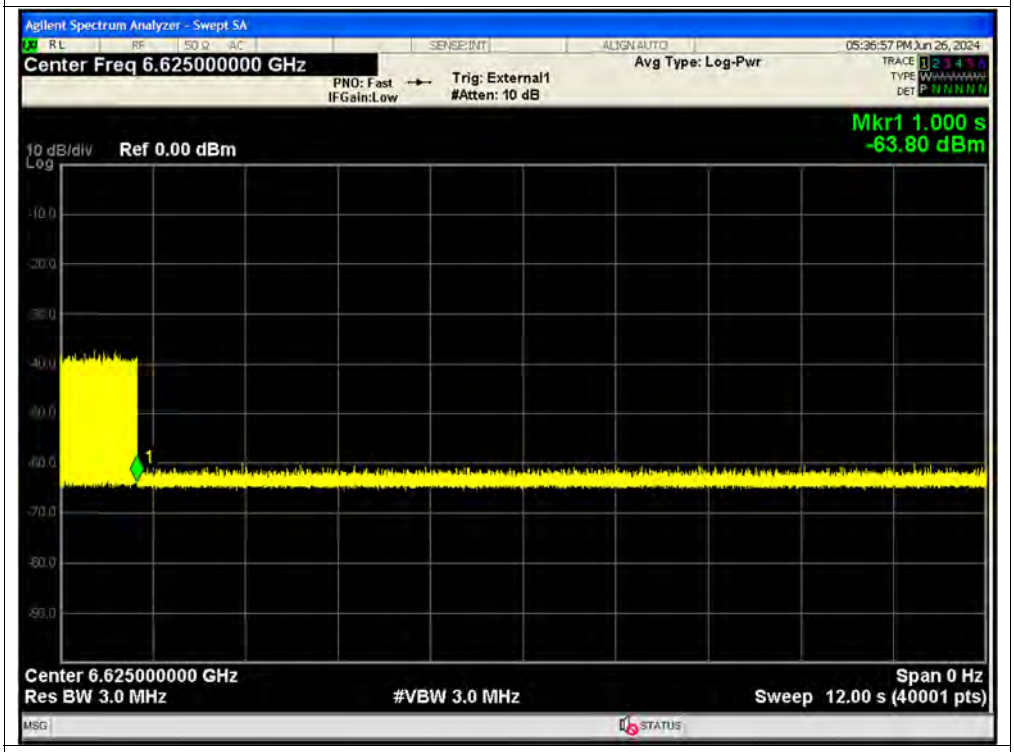
Contention Based Protocol NVNT ax80 6625MHz Interfere 6660 MHz_3



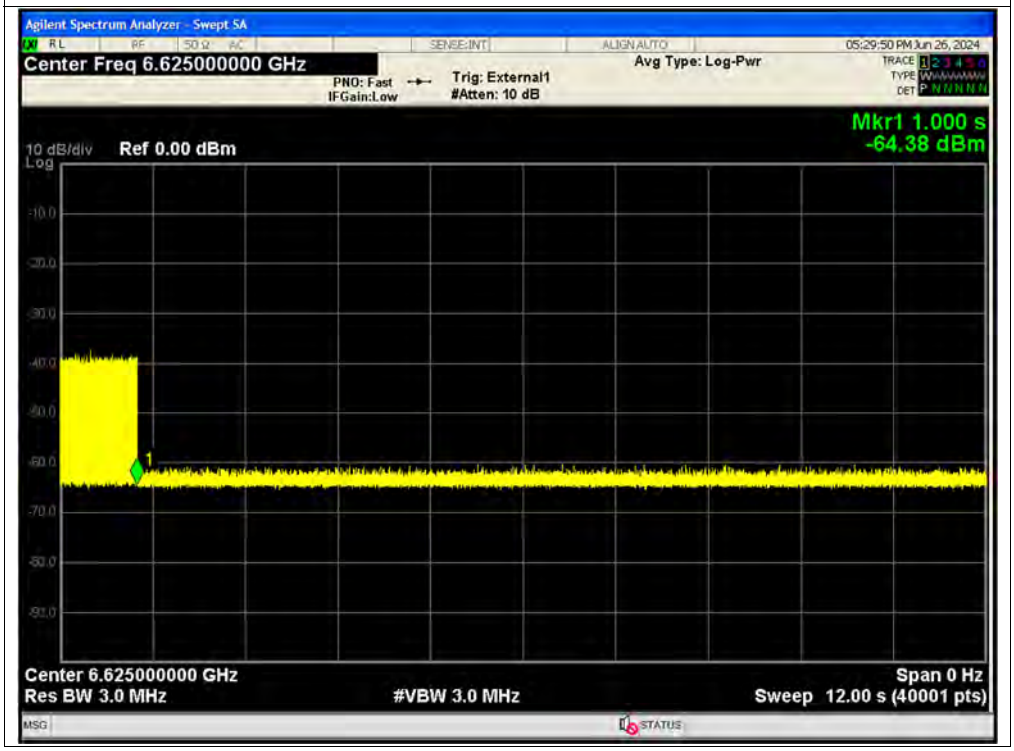
Contention Based Protocol NVNT ax80 6625MHz Interfere 6660 MHz_4



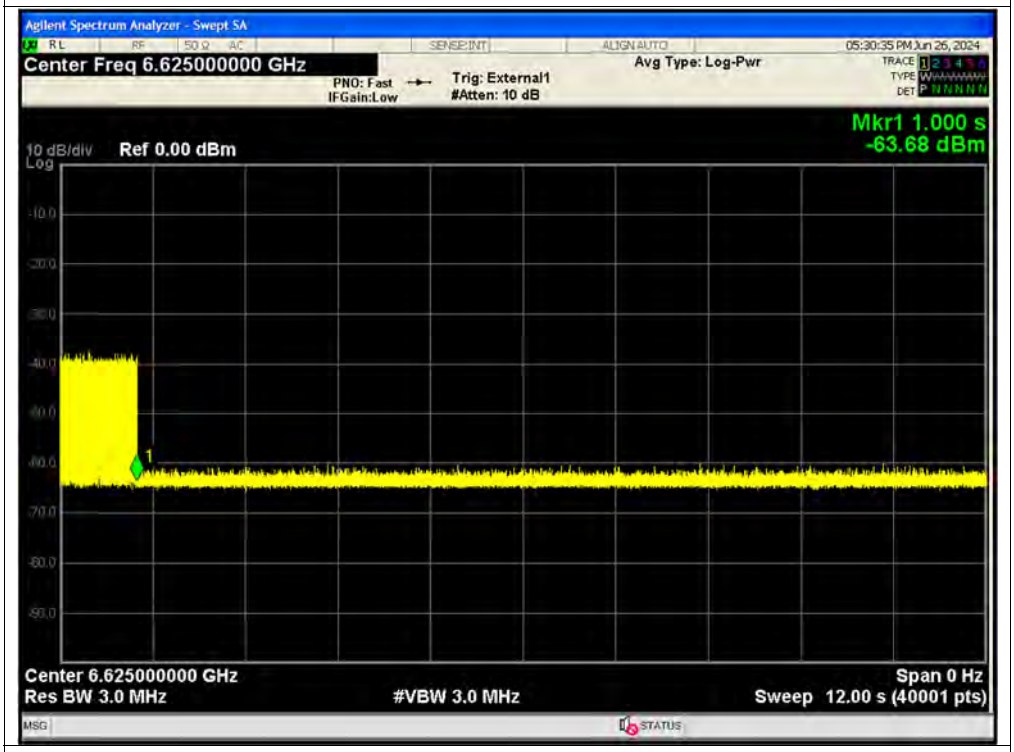
Contention Based Protocol NVNT ax80 6625MHz Interfere 6660 MHz_5



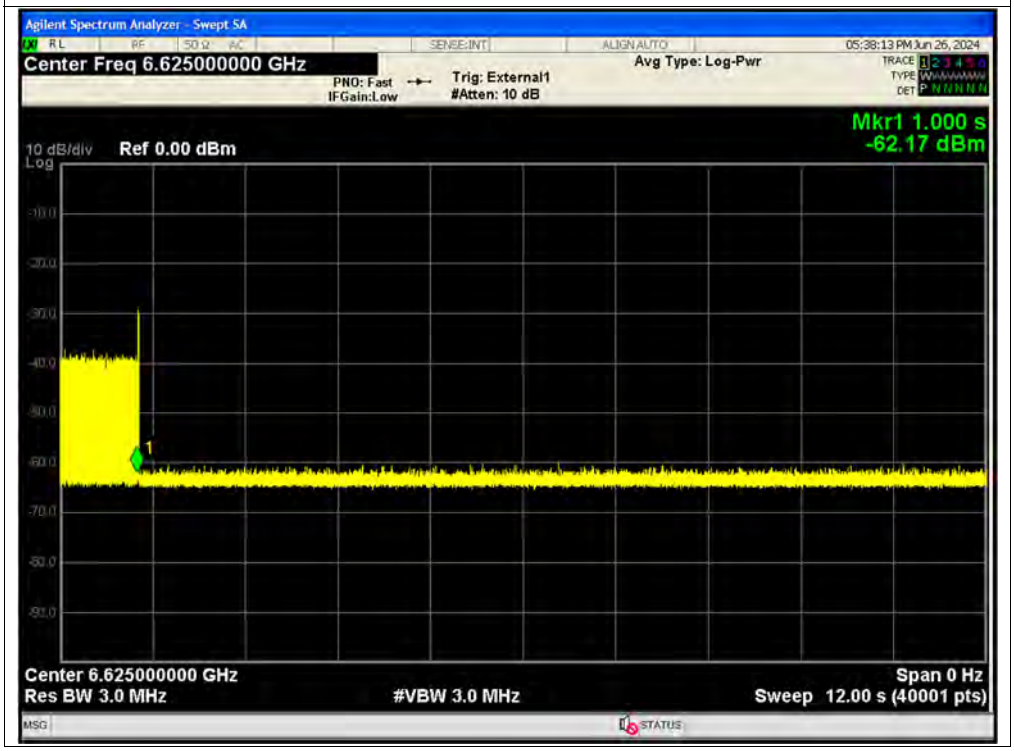
Contention Based Protocol NVNT ax80 6625MHz Interfere 6660 MHz_6



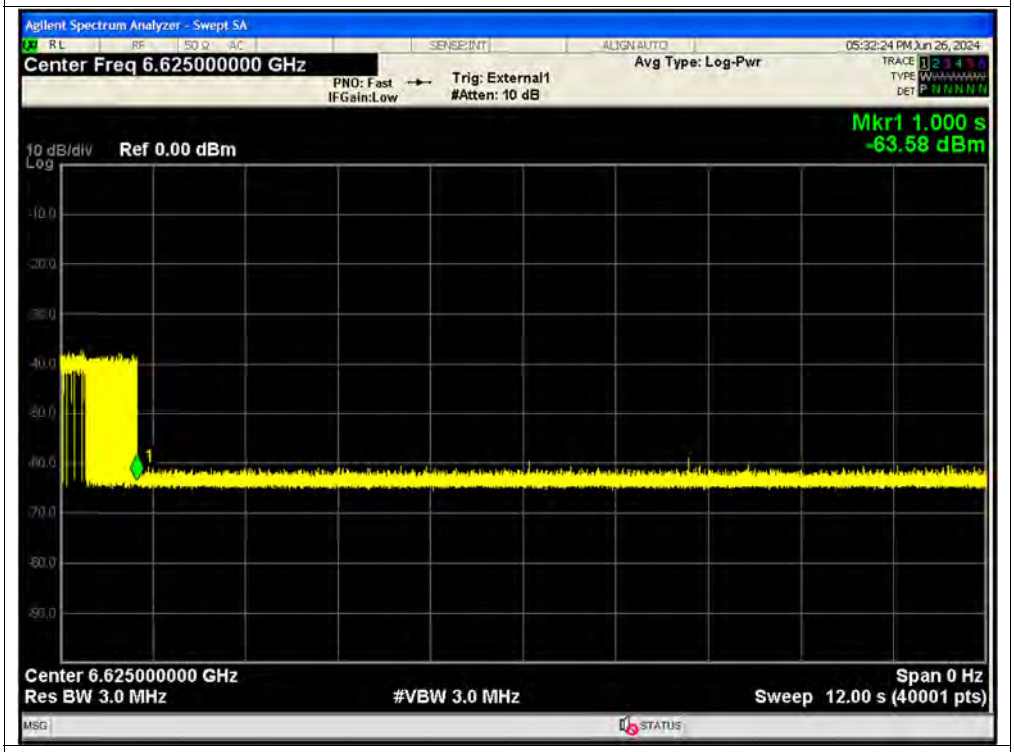
Contention Based Protocol NVNT ax80 6625MHz Interfere 6660 MHz_7



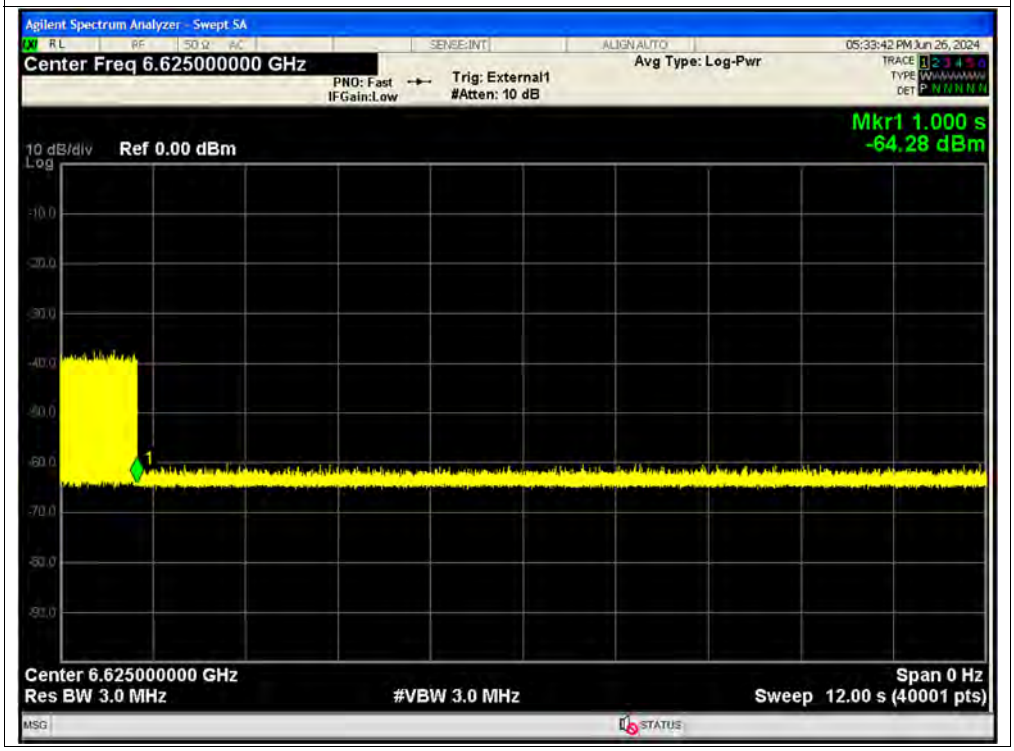
Contention Based Protocol NVNT ax80 6625MHz Interfere 6660 MHz_8



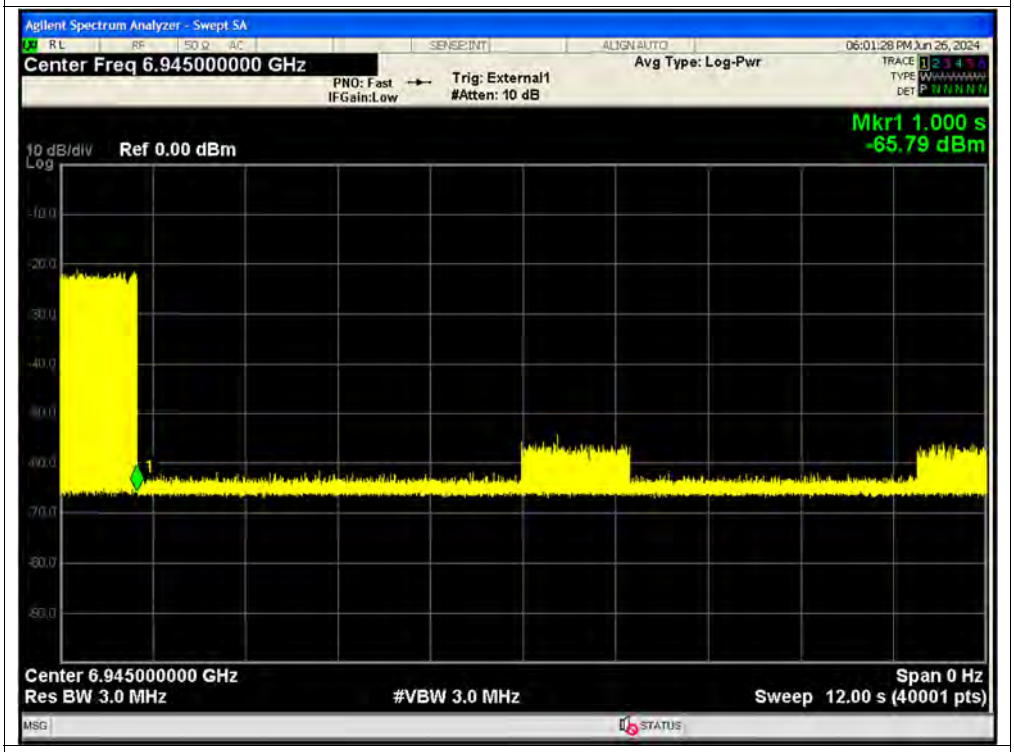
Contention Based Protocol NVNT ax80 6625MHz Interfere 6660 MHz_9



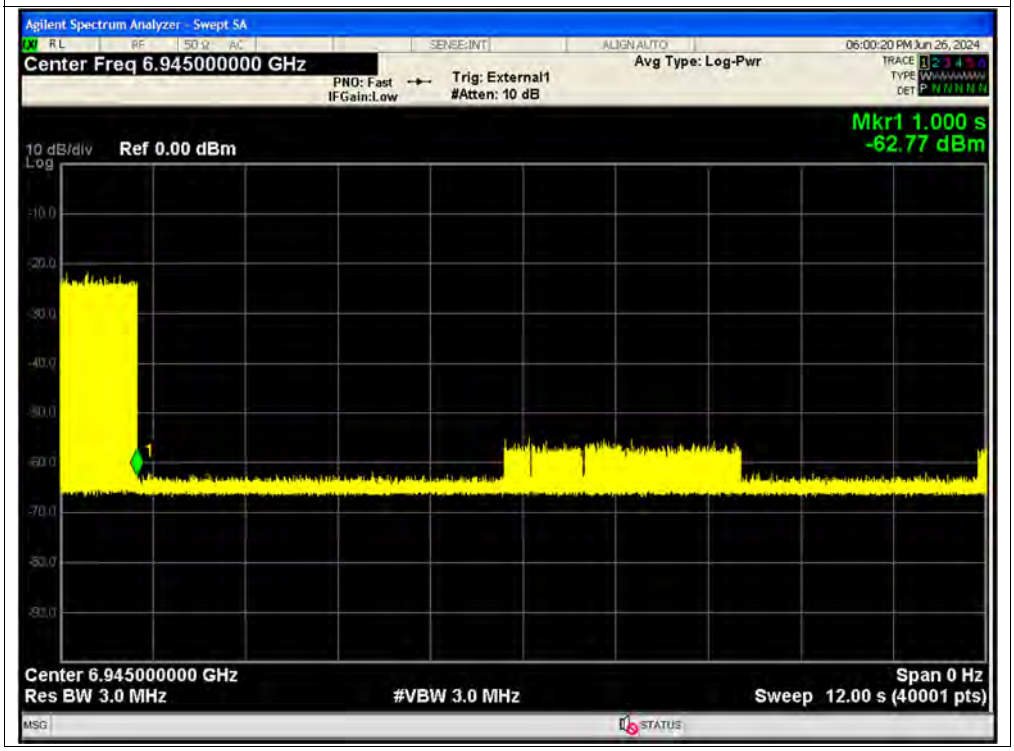
Contention Based Protocol NVNT ax80 6625MHz Interfere 6660 MHz_10



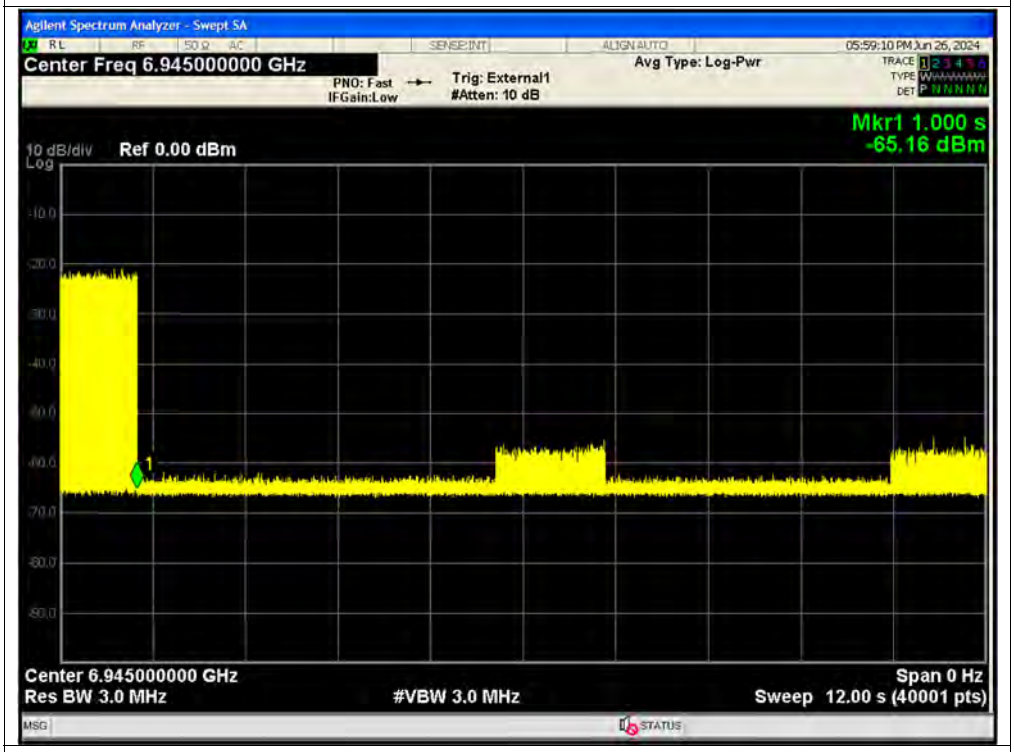
Contention Based Protocol NVNT ax80 6945MHz Interfere 6910 MHz_1



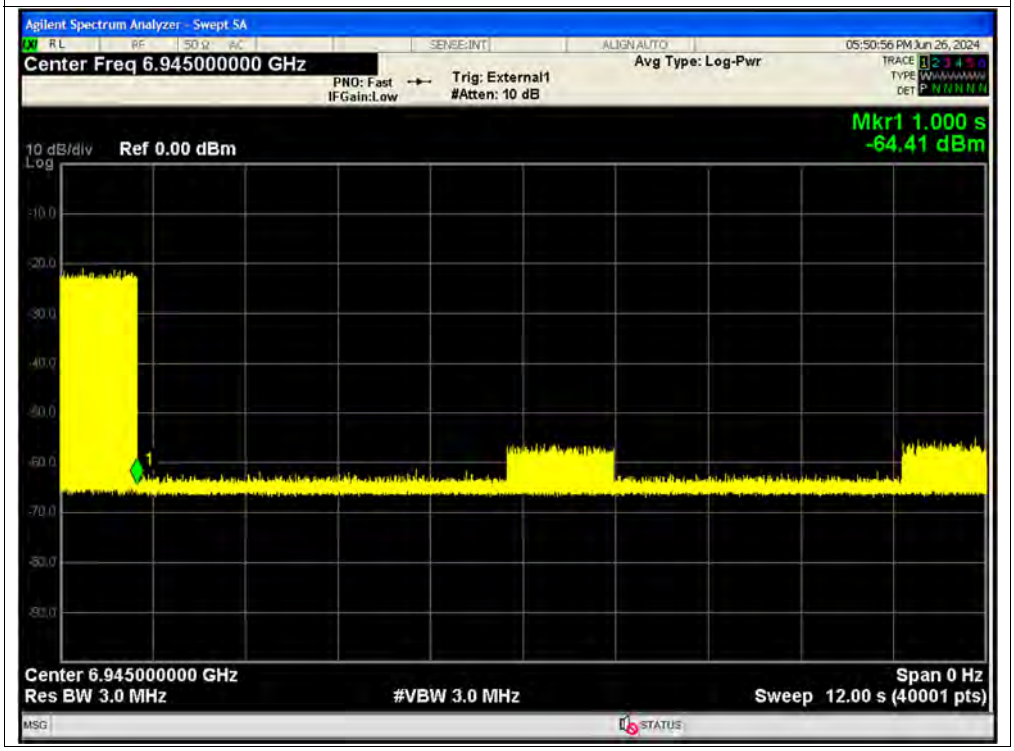
Contention Based Protocol NVNT ax80 6945MHz Interfere 6910 MHz_2



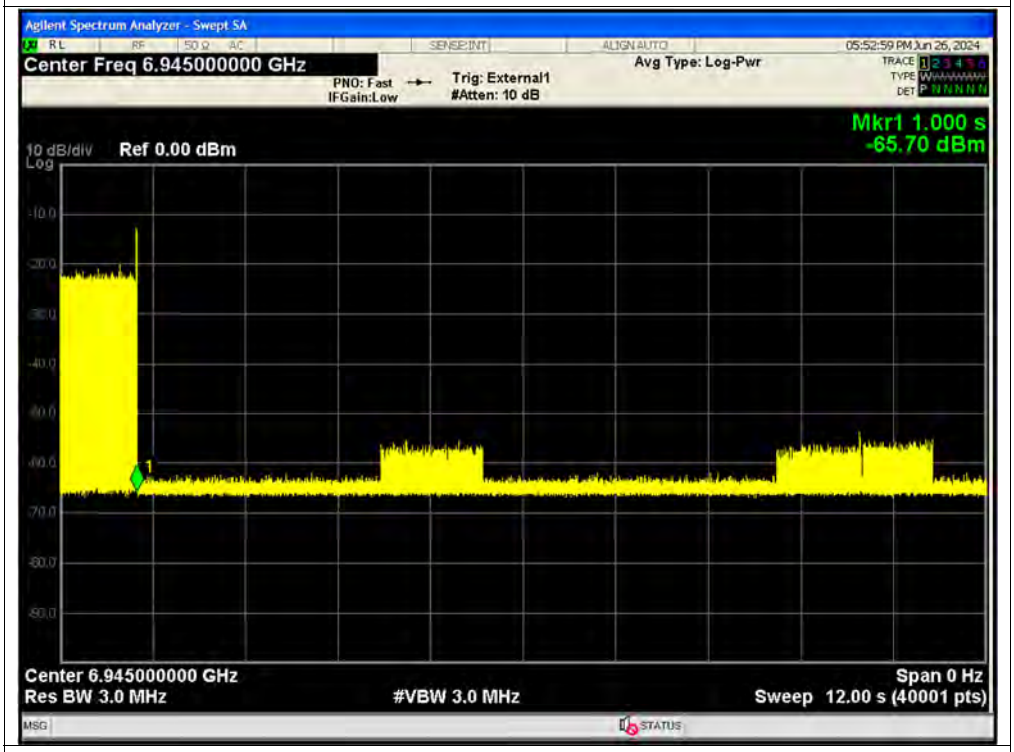
Contention Based Protocol NVNT ax80 6945MHz Interfere 6910 MHz_3



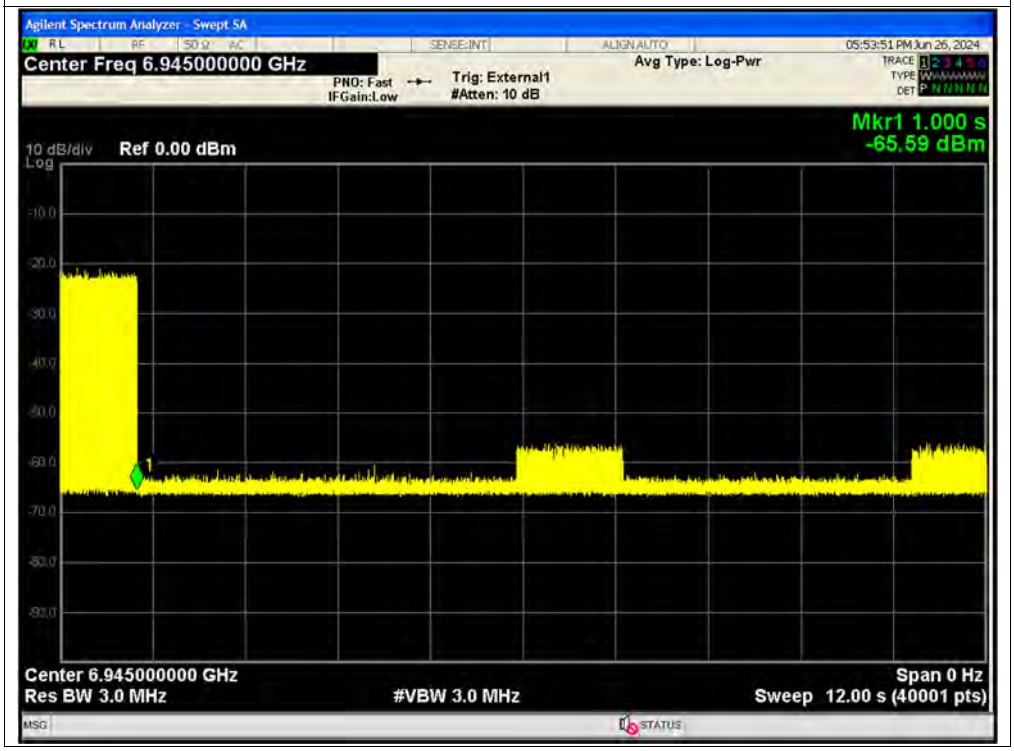
Contention Based Protocol NVNT ax80 6945MHz Interfere 6910 MHz_4



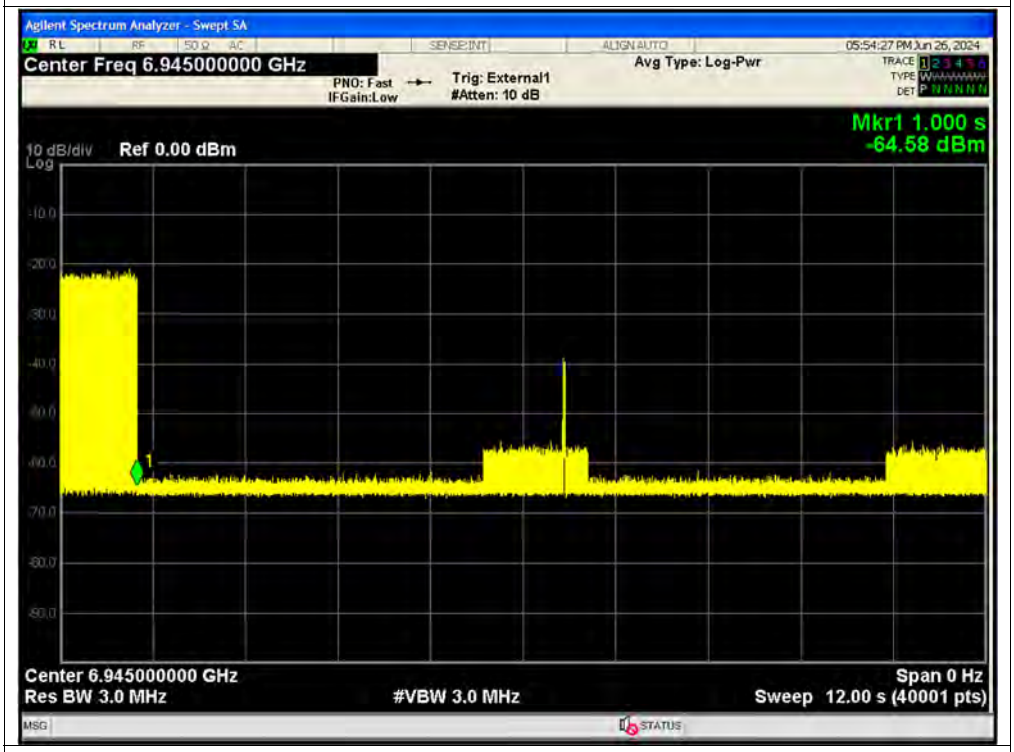
Contention Based Protocol NVNT ax80 6945MHz Interfere 6910 MHz_5



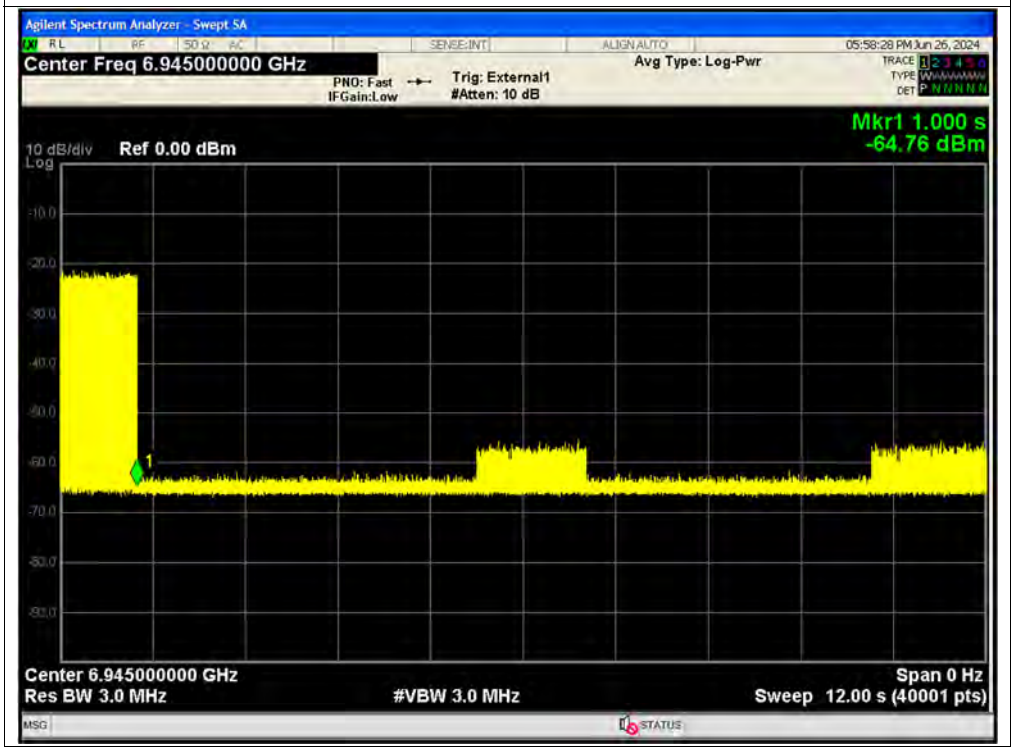
Contention Based Protocol NVNT ax80 6945MHz Interfere 6910 MHz_6



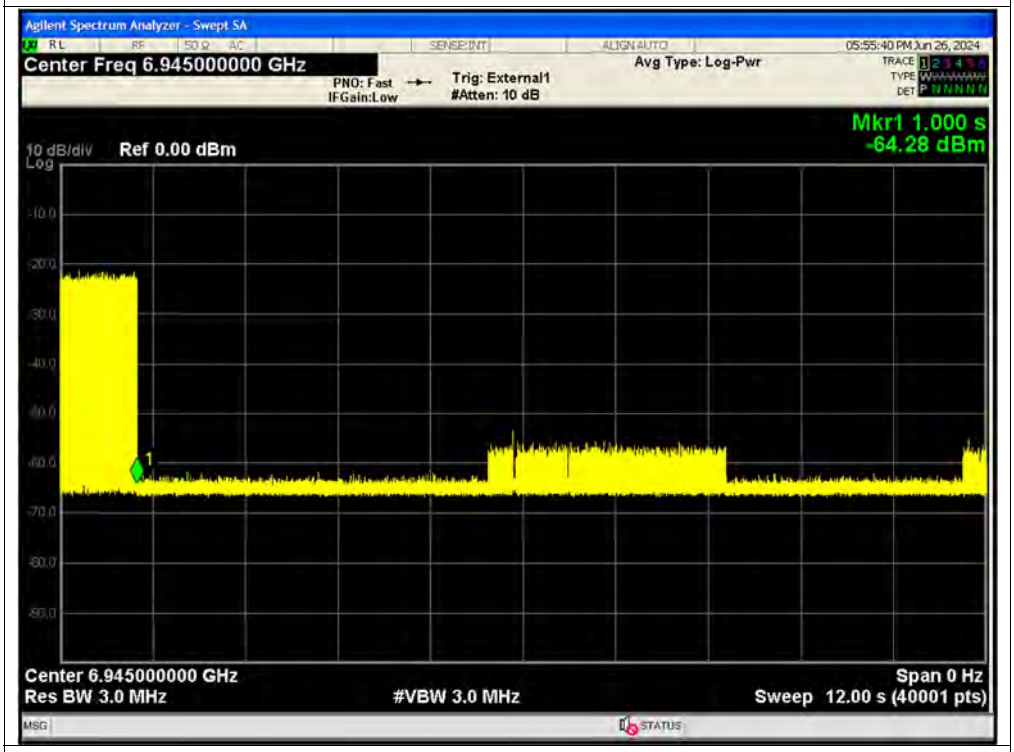
Contention Based Protocol NVNT ax80 6945MHz Interfere 6910 MHz_7



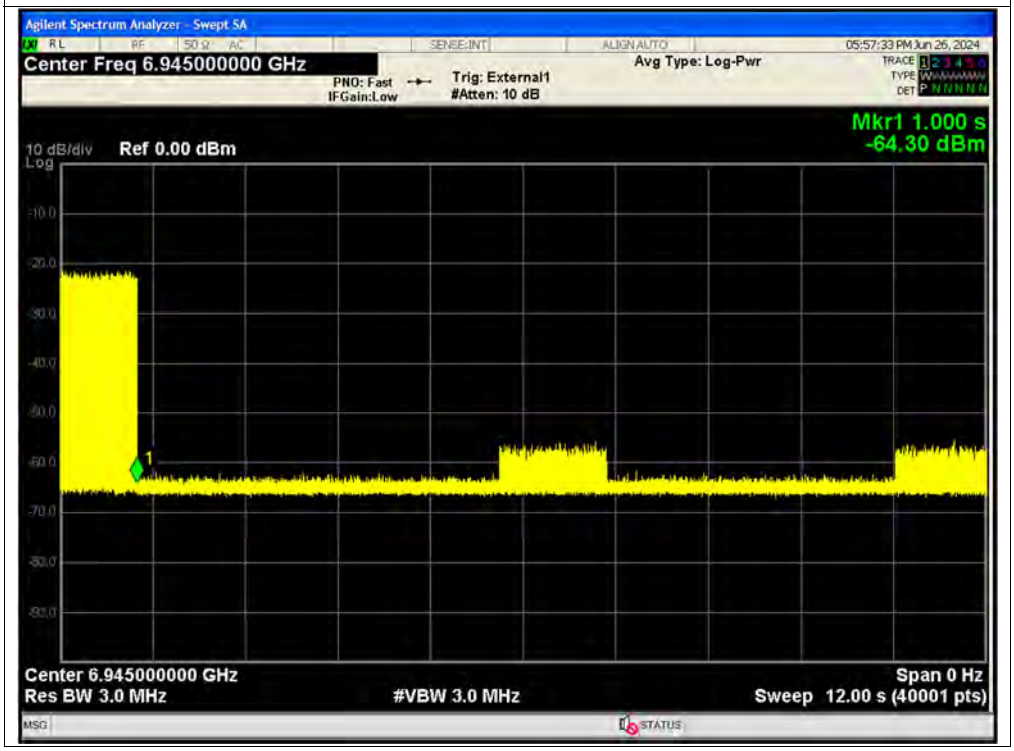
Contention Based Protocol NVNT ax80 6945MHz Interfere 6910 MHz_8



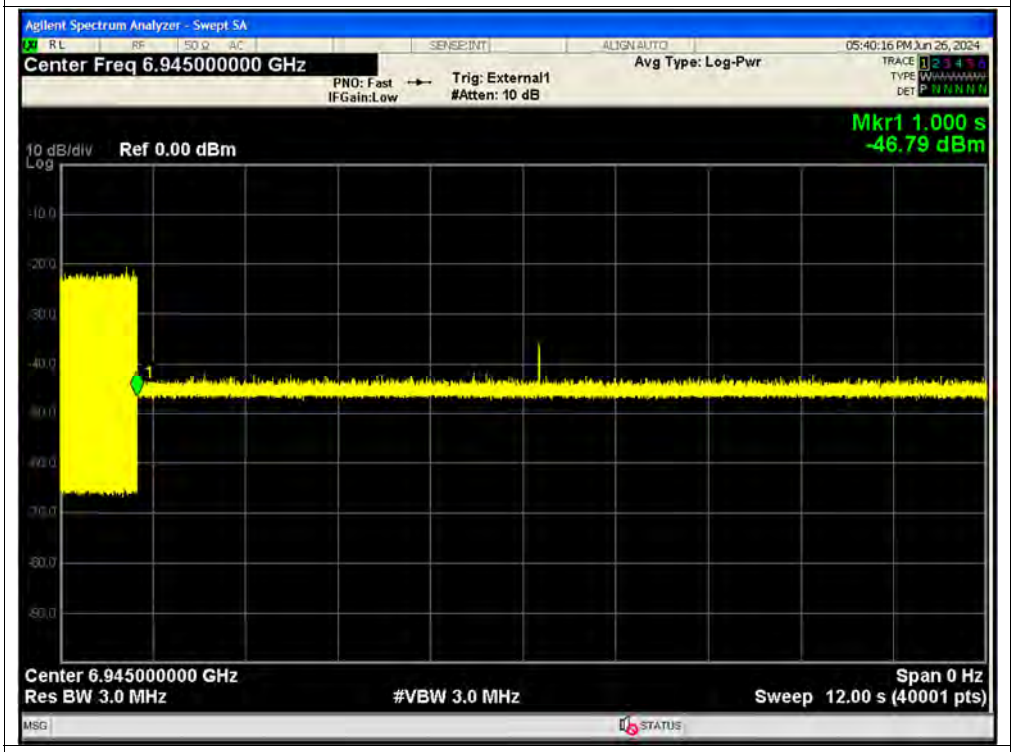
Contention Based Protocol NVNT ax80 6945MHz Interfere 6910 MHz_9



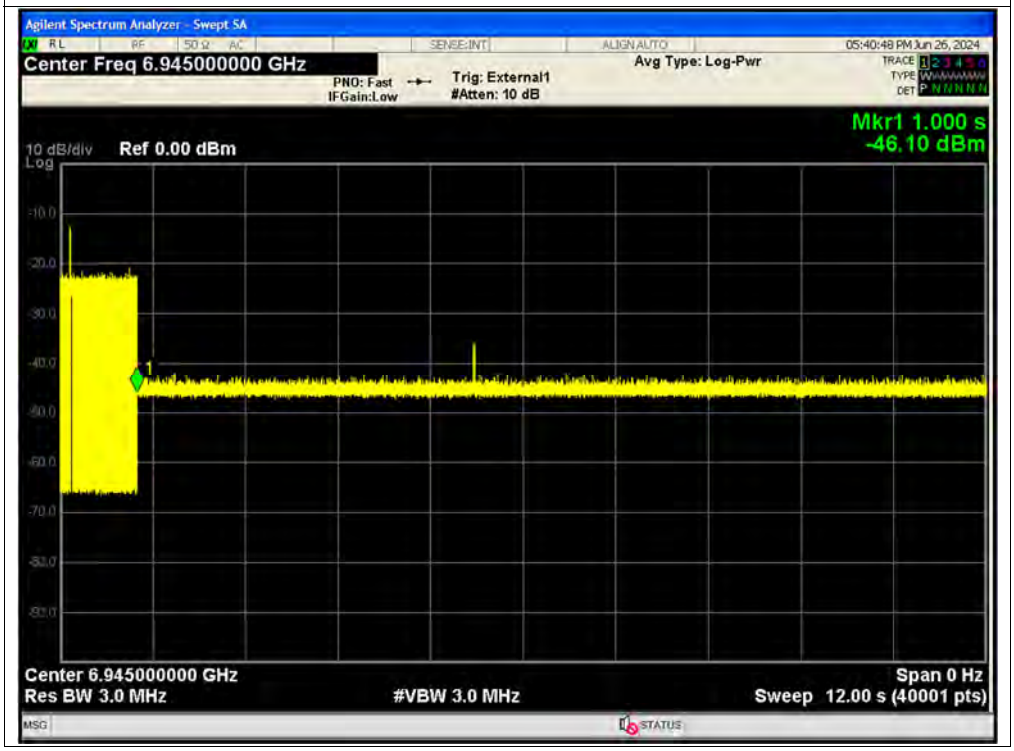
Contention Based Protocol NVNT ax80 6945MHz Interfere 6910 MHz_10



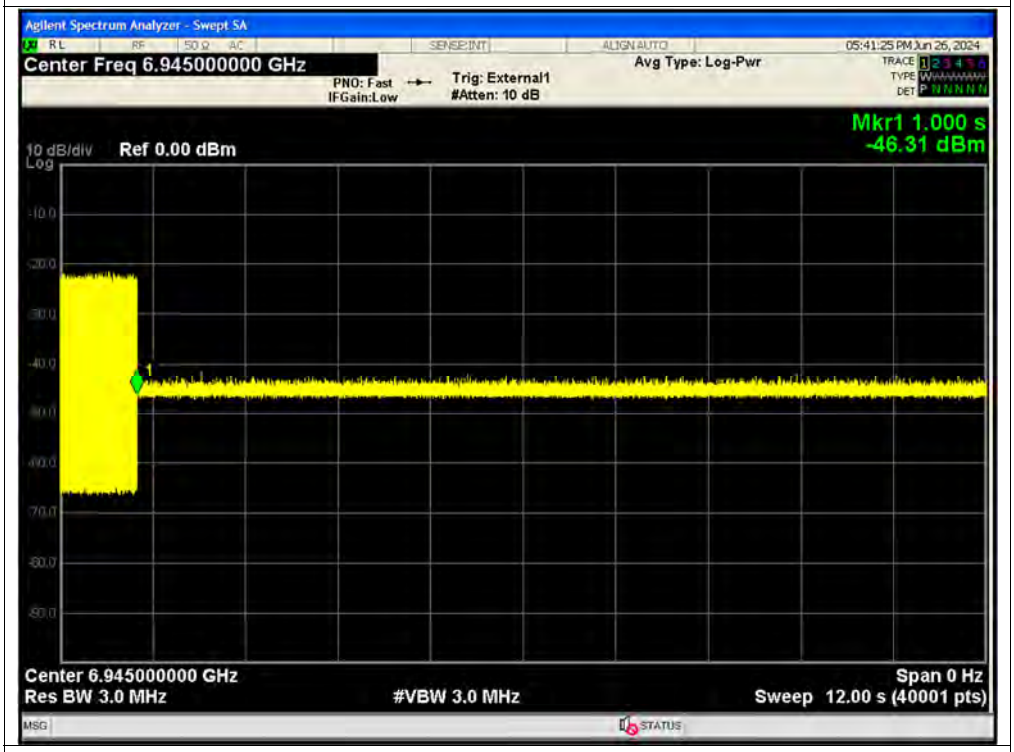
Contention Based Protocol NVNT ax80 6945MHz Interfere 6945 MHz_1



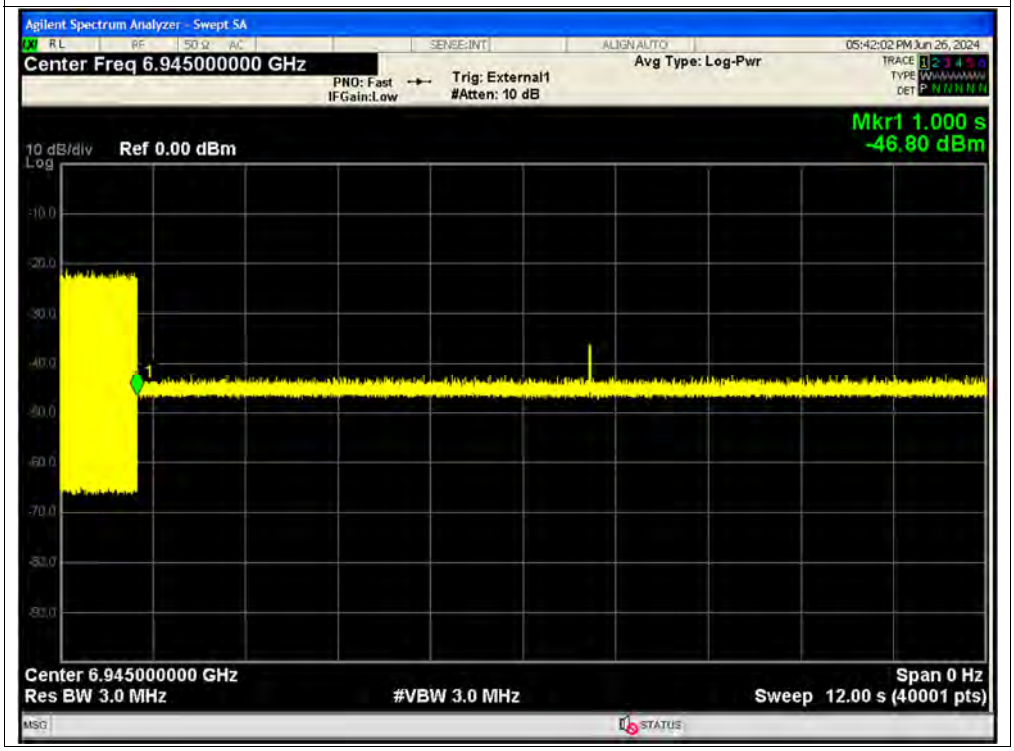
Contention Based Protocol NVNT ax80 6945MHz Interfere 6945 MHz_2



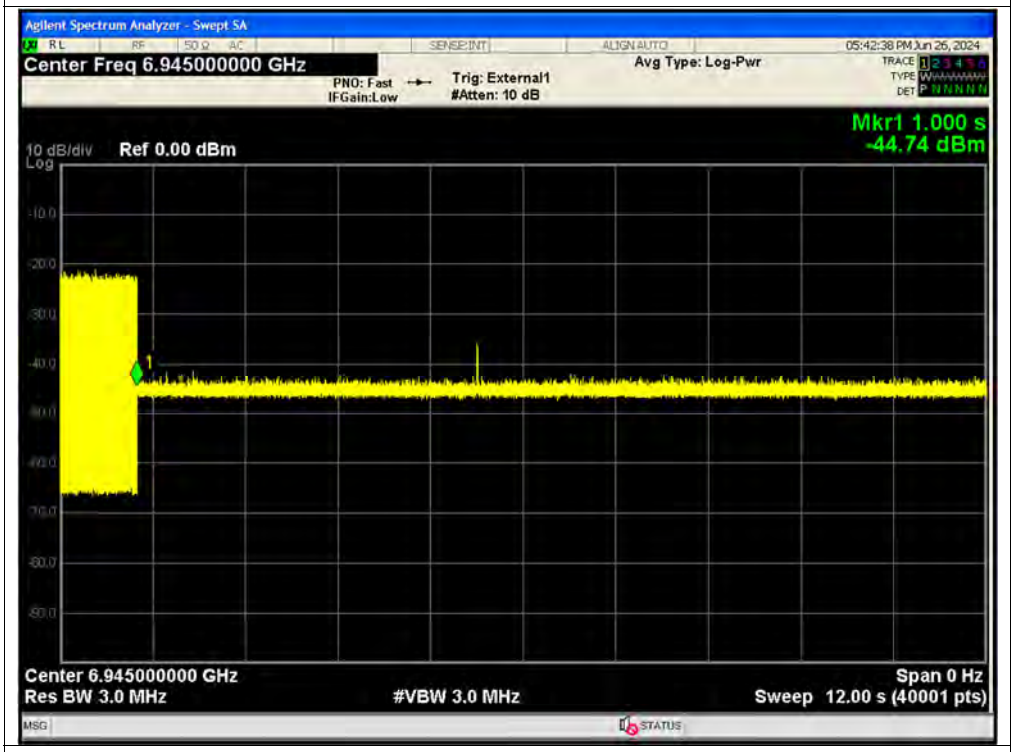
Contention Based Protocol NVNT ax80 6945MHz Interfere 6945 MHz_3



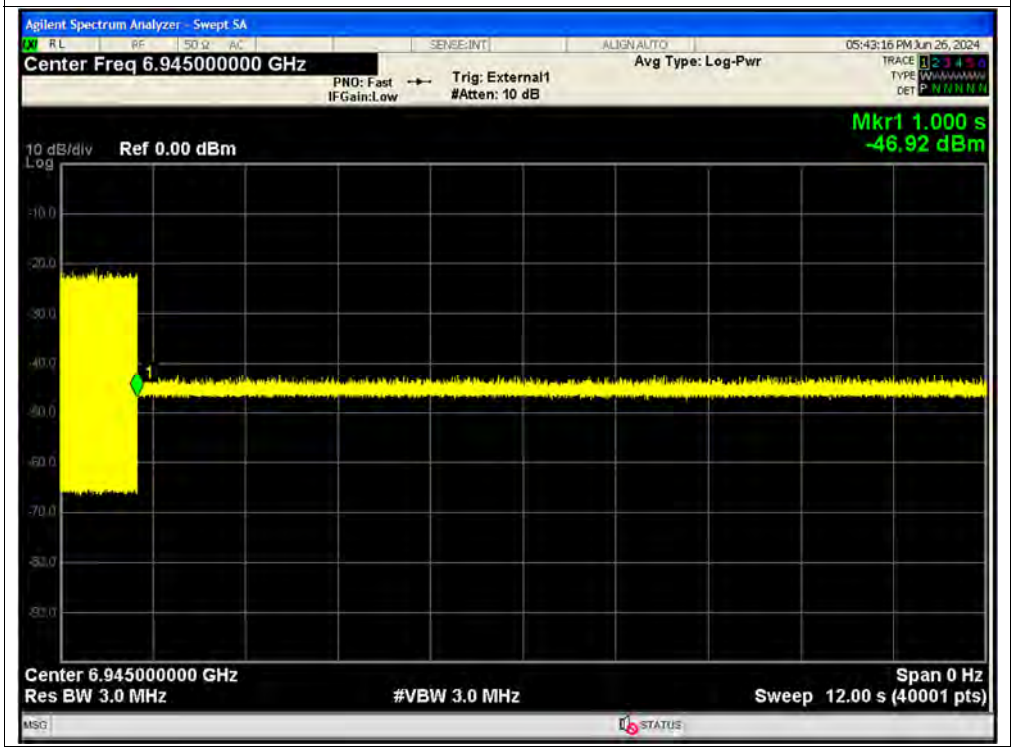
Contention Based Protocol NVNT ax80 6945MHz Interfere 6945 MHz_4



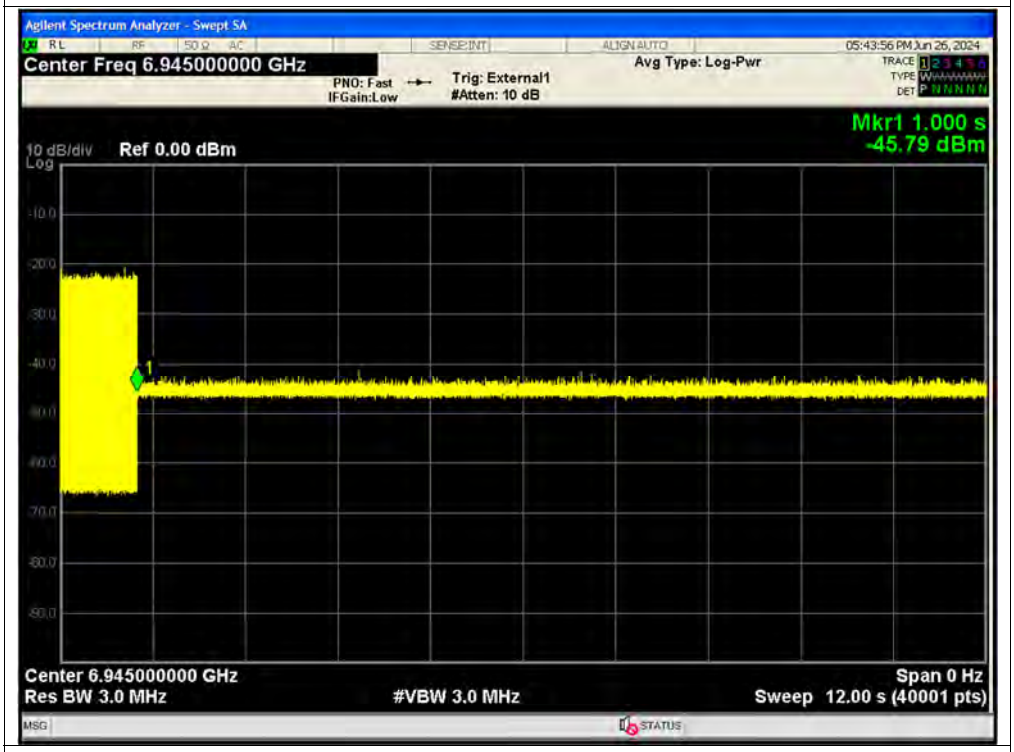
Contention Based Protocol NVNT ax80 6945MHz Interfere 6945 MHz_5



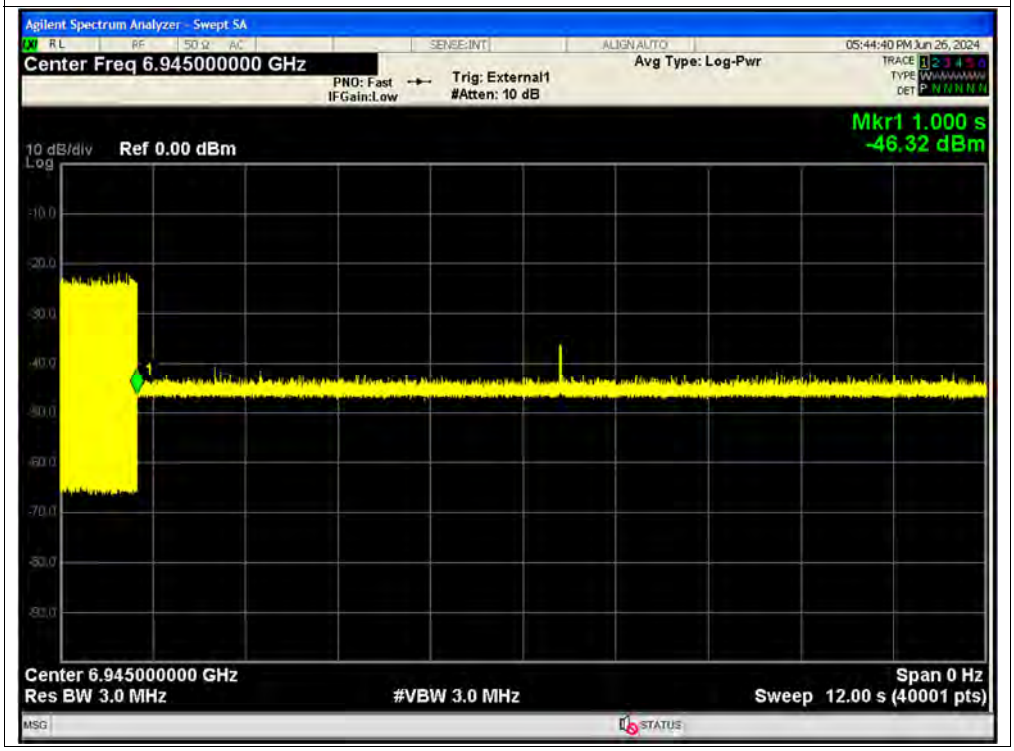
Contention Based Protocol NVNT ax80 6945MHz Interfere 6945 MHz_6



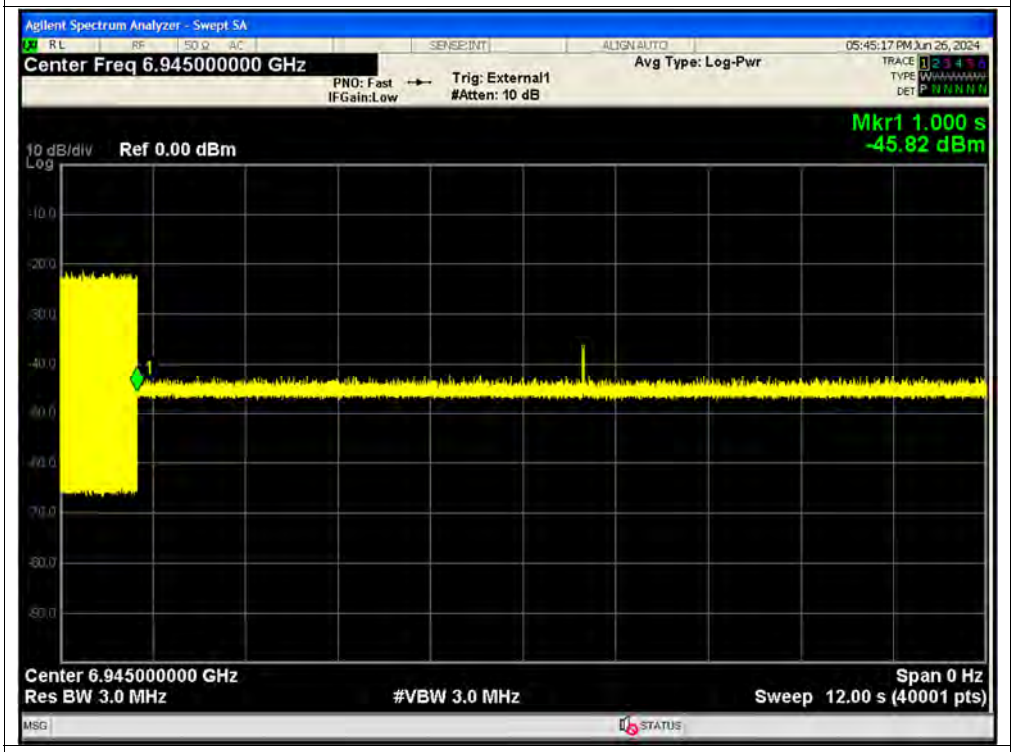
Contention Based Protocol NVNT ax80 6945MHz Interfere 6945 MHz_7



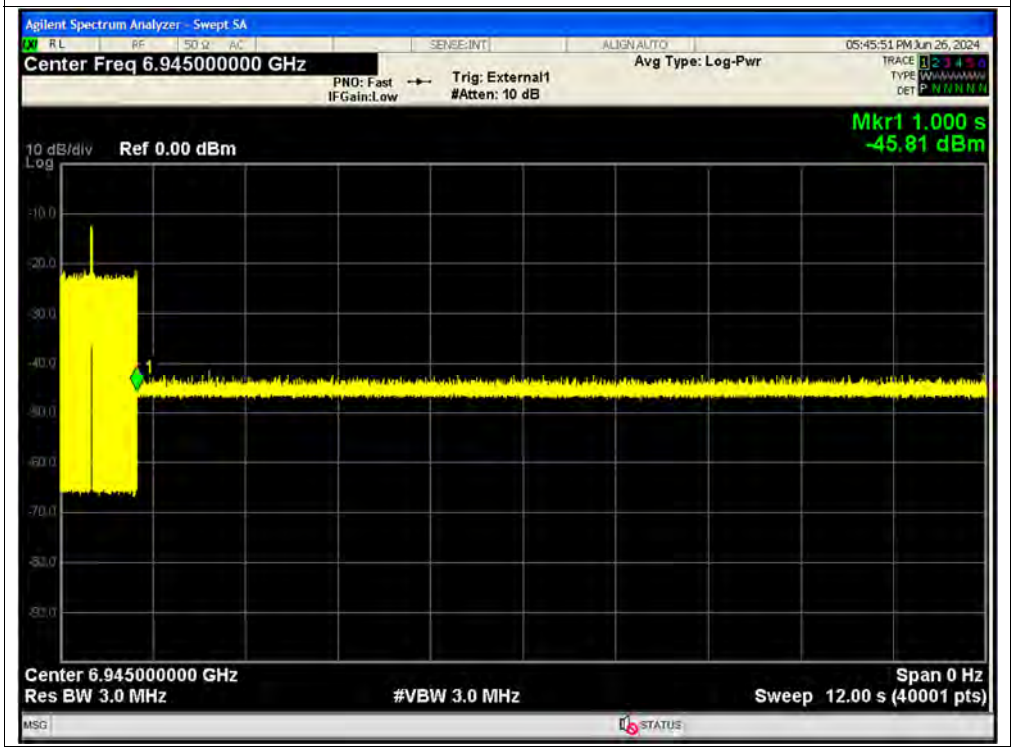
Contention Based Protocol NVNT ax80 6945MHz Interfere 6945 MHz_8



Contention Based Protocol NVNT ax80 6945MHz Interfere 6945 MHz_9

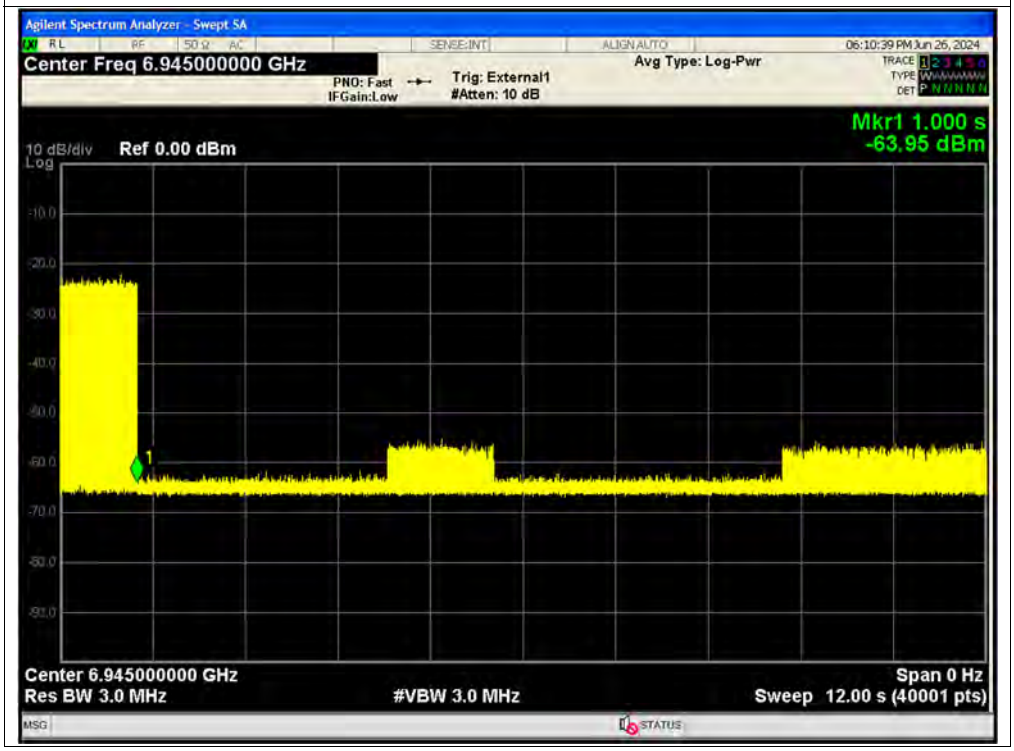


Contention Based Protocol NVNT ax80 6945MHz Interfere 6945 MHz_10

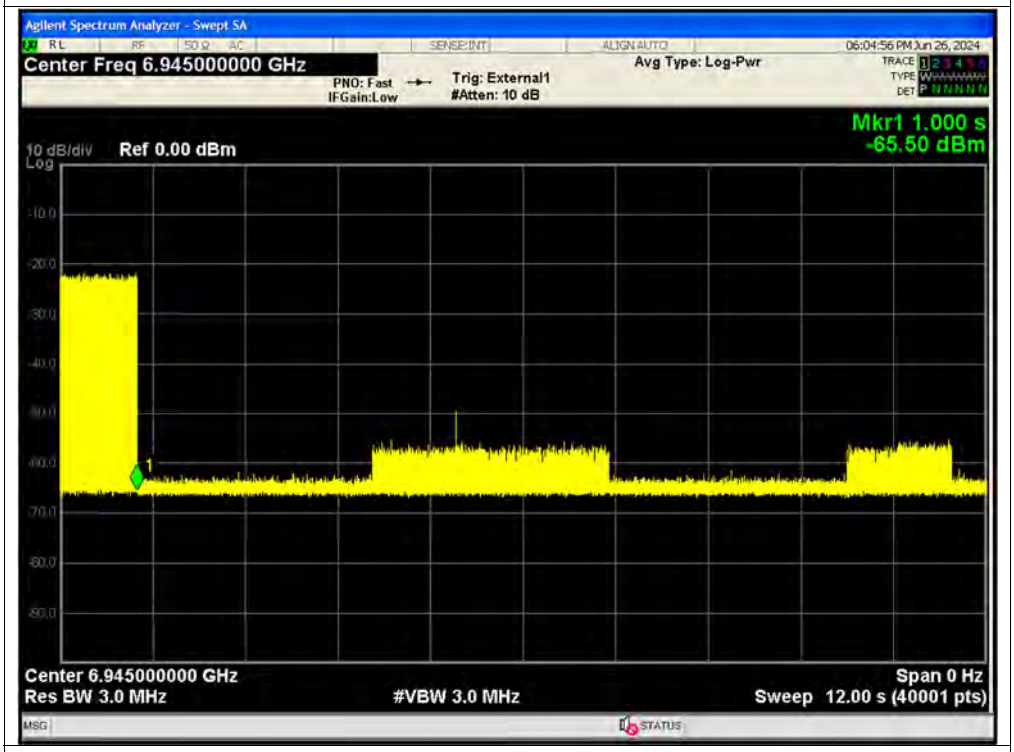


Contention Based Protocol NVNT ax80 6945MHz Interfere 6980 MHz_1

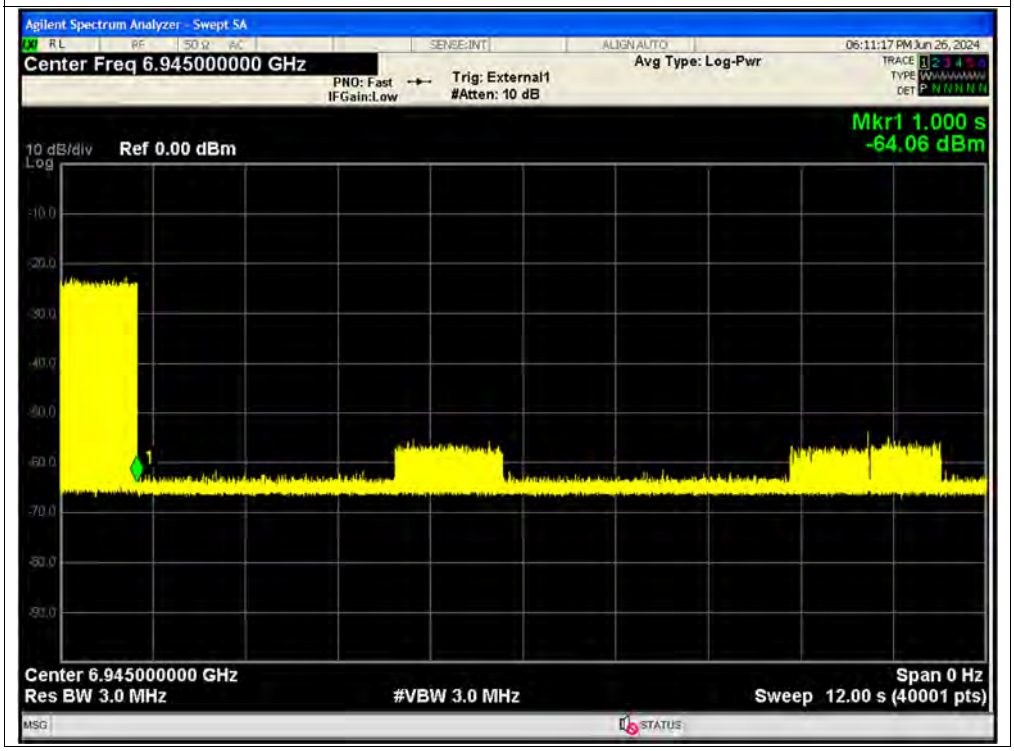
Contention Based Protocol NVNT ax80 6945MHz Interfere 6980 MHz_2



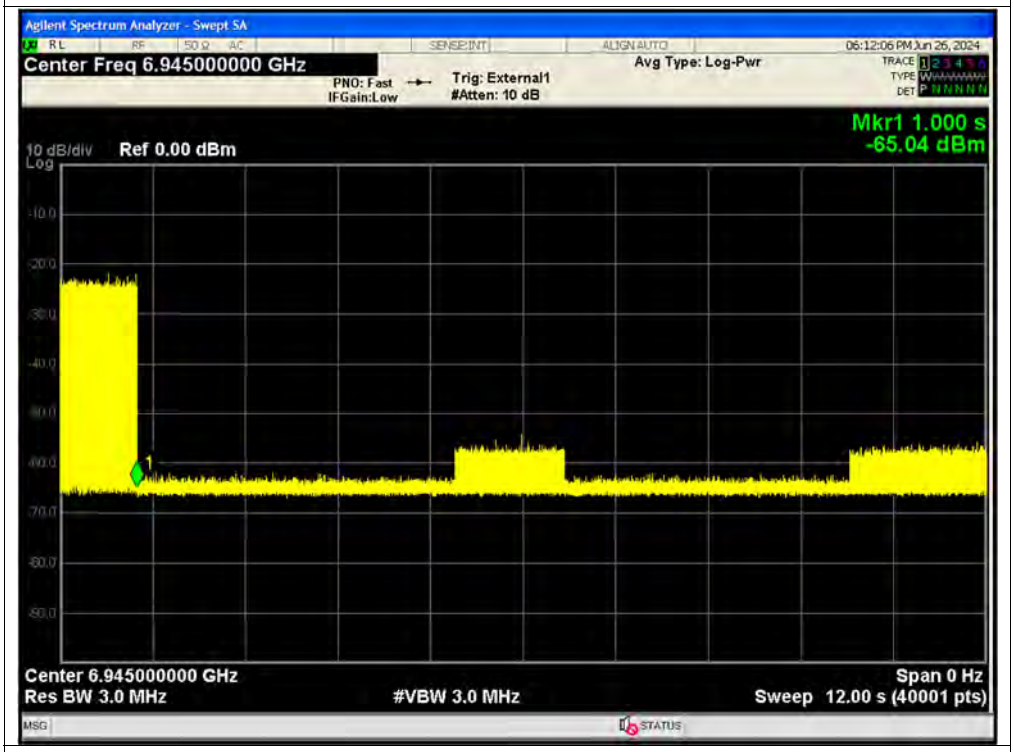
Contention Based Protocol NVNT ax80 6945MHz Interfere 6980 MHz_3



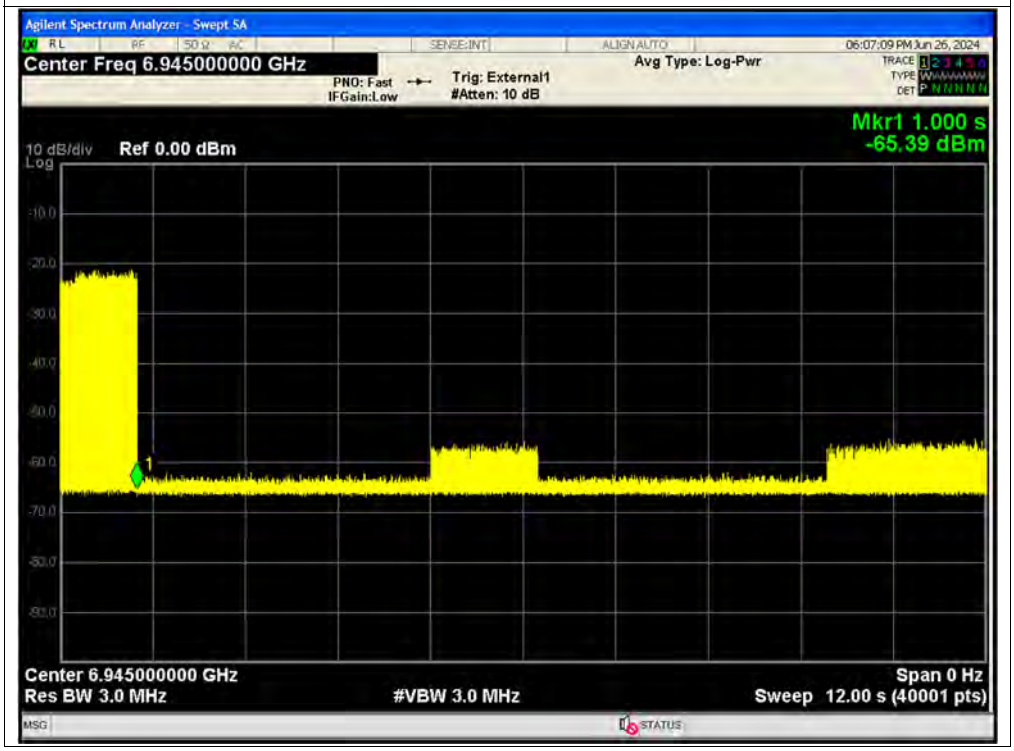
Contention Based Protocol NVNT ax80 6945MHz Interfere 6980 MHz_4



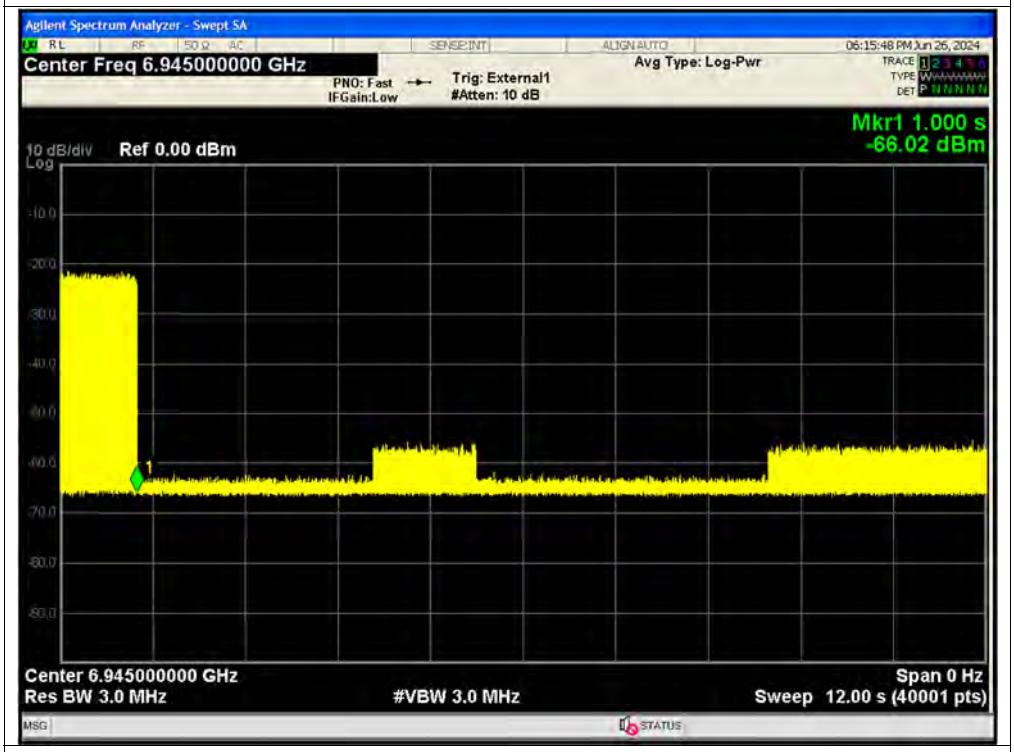
Contention Based Protocol NVNT ax80 6945MHz Interfere 6980 MHz_5



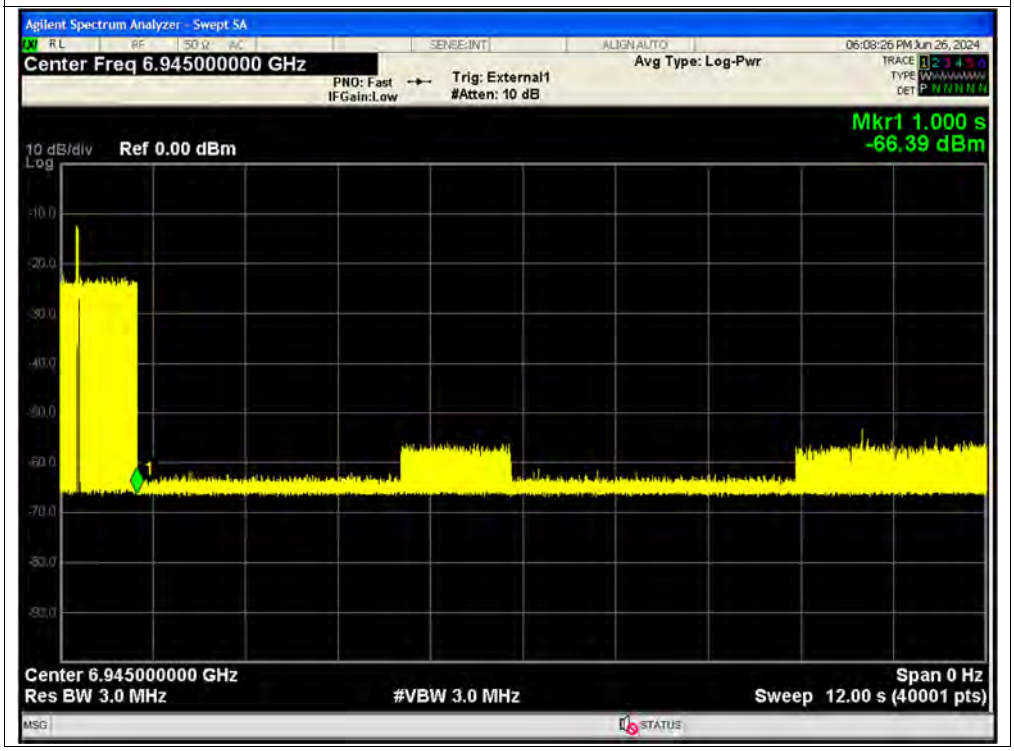
Contention Based Protocol NVNT ax80 6945MHz Interfere 6980 MHz_6



Contention Based Protocol NVNT ax80 6945MHz Interfere 6980 MHz_7

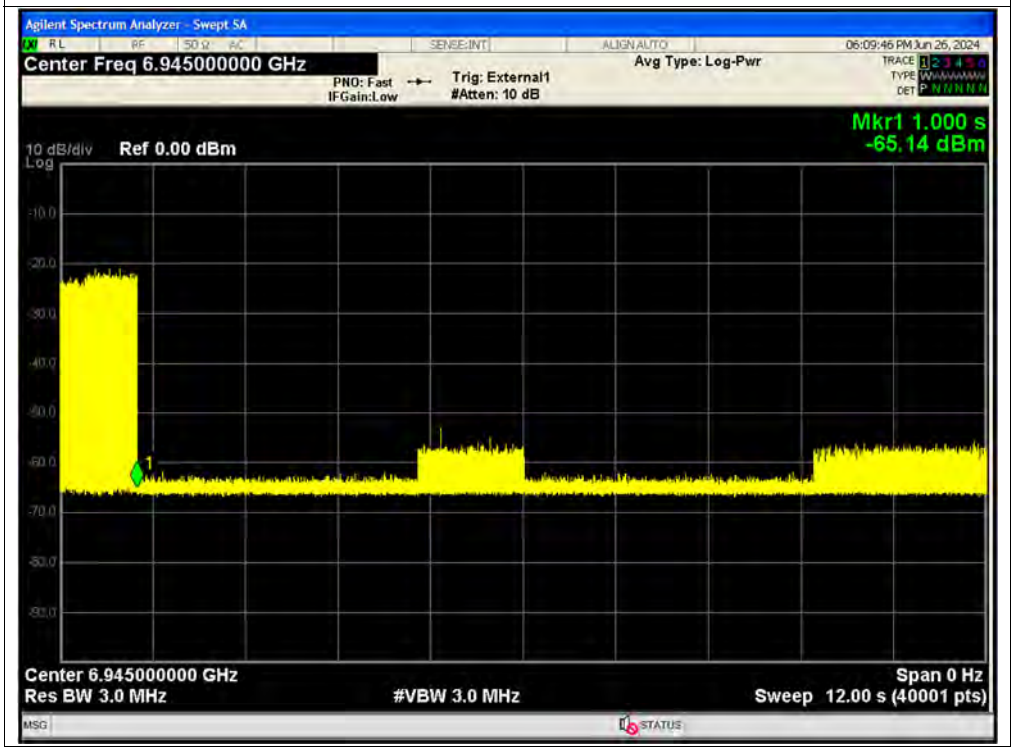


Contention Based Protocol NVNT ax80 6945MHz Interfere 6980 MHz_8



Contention Based Protocol NVNT ax80 6945MHz Interfere 6980 MHz_9

Contention Based Protocol NVNT ax80 6945MHz Interfere 6980 MHz_10



c. Detection Probability Summary

Condition	Mode	Frequency (MHz)	Antenna	AWGN Location	AWGN Frequency (MHz)	Test Number	Number Detected	Result (%)	Limit (%)	Verdict
NVNT	ax20	6135	Ant1	Center	6135	10	10	100	90	Pass
NVNT	ax20	6455	Ant1	Center	6455	10	10	100	90	Pass
NVNT	ax20	6535	Ant1	Center	6535	10	10	100	90	Pass
NVNT	ax20	6935	Ant1	Center	6935	10	10	100	90	Pass
NVNT	ax40	6125	Ant1	Low	6110	10	10	100	90	Pass
NVNT	ax40	6125	Ant1	High	6140	10	9	90	90	Pass
NVNT	ax40	6445	Ant1	Low	6430	10	9	90	90	Pass
NVNT	ax40	6445	Ant1	High	6460	10	9	90	90	Pass
NVNT	ax40	6605	Ant1	Low	6590	10	9	90	90	Pass
NVNT	ax40	6605	Ant1	High	6620	10	9	90	90	Pass
NVNT	ax40	6925	Ant1	Low	6910	10	9	90	90	Pass
NVNT	ax40	6925	Ant1	High	6940	10	10	100	90	Pass
NVNT	ax80	6145	Ant1	Low	6110	10	10	100	90	Pass
NVNT	ax80	6145	Ant1	Center	6145	10	10	100	90	Pass
NVNT	ax80	6145	Ant1	High	6180	10	10	100	90	Pass
NVNT	ax80	6465	Ant1	Low	6430	10	10	100	90	Pass
NVNT	ax80	6465	Ant1	Center	6465	10	10	100	90	Pass
NVNT	ax80	6465	Ant1	High	6500	10	10	100	90	Pass
NVNT	ax80	6625	Ant1	Low	6590	10	10	100	90	Pass
NVNT	ax80	6625	Ant1	Center	6625	10	10	100	90	Pass
NVNT	ax80	6625	Ant1	High	6660	10	10	100	90	Pass
NVNT	ax80	6945	Ant1	Low	6910	10	10	100	90	Pass
NVNT	ax80	6945	Ant1	Center	6945	10	10	100	90	Pass
NVNT	ax80	6945	Ant1	High	6980	10	10	100	90	Pass

A.8. Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.5V	Carrier	5955	Ant1	5954.987	-13000	-2.18	25	Pass
20C 5.0V	Carrier	5955	Ant1	5954.987	-13000	-2.18	25	Pass
20C 5.5V	Carrier	5955	Ant1	5954.986	-14000	-2.35	25	Pass
0C 5V	Carrier	5955	Ant1	5954.986	-14000	-2.35	25	Pass
10C 5V	Carrier	5955	Ant1	5954.986	-14000	-2.35	25	Pass
20C 5V	Carrier	5955	Ant1	5954.986	-14000	-2.35	25	Pass
30C 5V	Carrier	5955	Ant1	5954.986	-14000	-2.35	25	Pass
40C 5V	Carrier	5955	Ant1	5954.986	-14000	-2.35	25	Pass
20C 3.5V	Carrier	6435	Ant1	6434.984	-16000	-2.49	25	Pass
20C 5.0V	Carrier	6435	Ant1	6434.984	-16000	-2.49	25	Pass
20C 5.5V	Carrier	6435	Ant1	6434.984	-16000	-2.49	25	Pass
0C 5V	Carrier	6435	Ant1	6434.984	-16000	-2.49	25	Pass
10C 5V	Carrier	6435	Ant1	6434.984	-16000	-2.49	25	Pass
20C 5V	Carrier	6435	Ant1	6434.985	-15000	-2.33	25	Pass
30C 5V	Carrier	6435	Ant1	6434.985	-15000	-2.33	25	Pass
40C 5V	Carrier	6435	Ant1	6434.985	-15000	-2.33	25	Pass
20C 3.5V	Carrier	6535	Ant1	6534.985	-15000	-2.3	25	Pass
20C 5.0V	Carrier	6535	Ant1	6534.985	-15000	-2.3	25	Pass
20C 5.5V	Carrier	6535	Ant1	6534.985	-15000	-2.3	25	Pass
0C 5V	Carrier	6535	Ant1	6534.985	-15000	-2.3	25	Pass
10C 5V	Carrier	6535	Ant1	6534.986	-14000	-2.14	25	Pass
20C 5V	Carrier	6535	Ant1	6534.985	-15000	-2.3	25	Pass
30C 5V	Carrier	6535	Ant1	6534.985	-15000	-2.3	25	Pass
40C 5V	Carrier	6535	Ant1	6534.985	-15000	-2.3	25	Pass
20C 3.5V	Carrier	6875	Ant1	6874.984	-16000	-2.33	25	Pass
20C 5.0V	Carrier	6875	Ant1	6874.984	-16000	-2.33	25	Pass
20C 5.5V	Carrier	6875	Ant1	6874.984	-16000	-2.33	25	Pass
0C 5V	Carrier	6875	Ant1	6874.984	-16000	-2.33	25	Pass
10C 5V	Carrier	6875	Ant1	6874.984	-16000	-2.33	25	Pass
20C 5V	Carrier	6875	Ant1	6874.984	-16000	-2.33	25	Pass
30C 5V	Carrier	6875	Ant1	6874.984	-16000	-2.33	25	Pass
40C 5V	Carrier	6875	Ant1	6874.984	-16000	-2.33	25	Pass

A.9. Conducted Emission

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

A. Test Setup:

Test Mode: EUT + Test Plate + Adapter + RJ45 Cable + PC + WIFI TX

Test voltage: AC 120V/60Hz

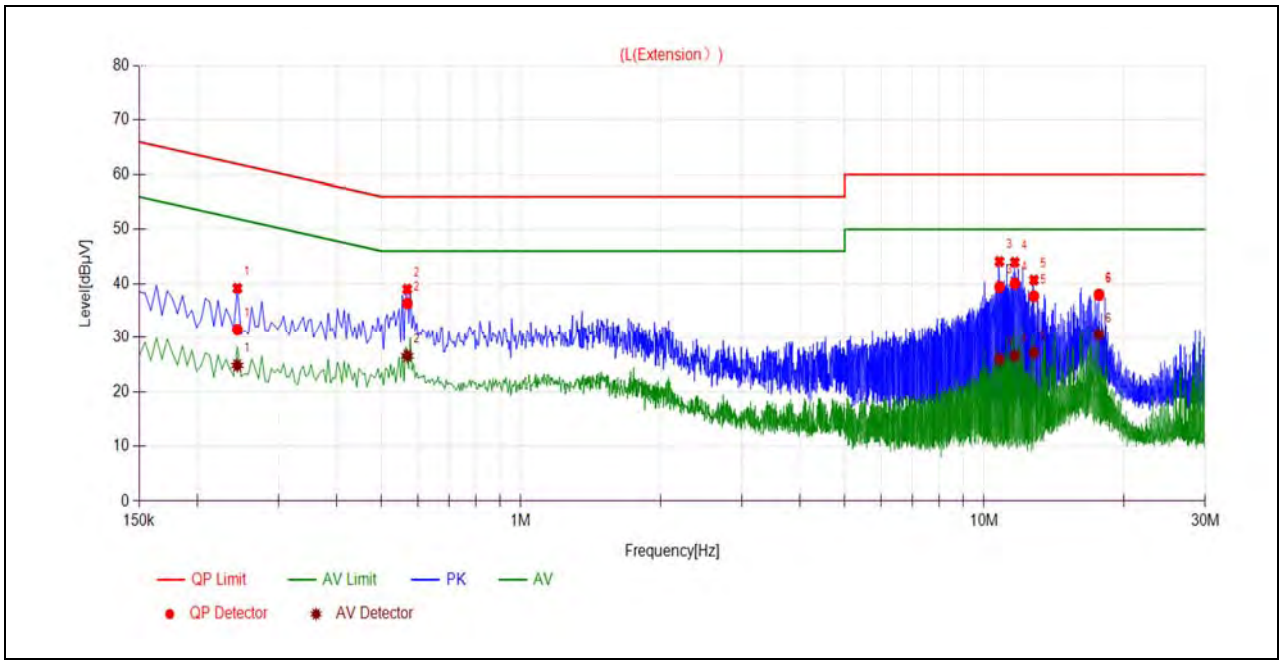
The measurement results are obtained as below:

$E\ [dB\mu V] = U_R + L_{Cable\ loss}\ [dB] + A_{Factor}$

U_R: Receiver Reading

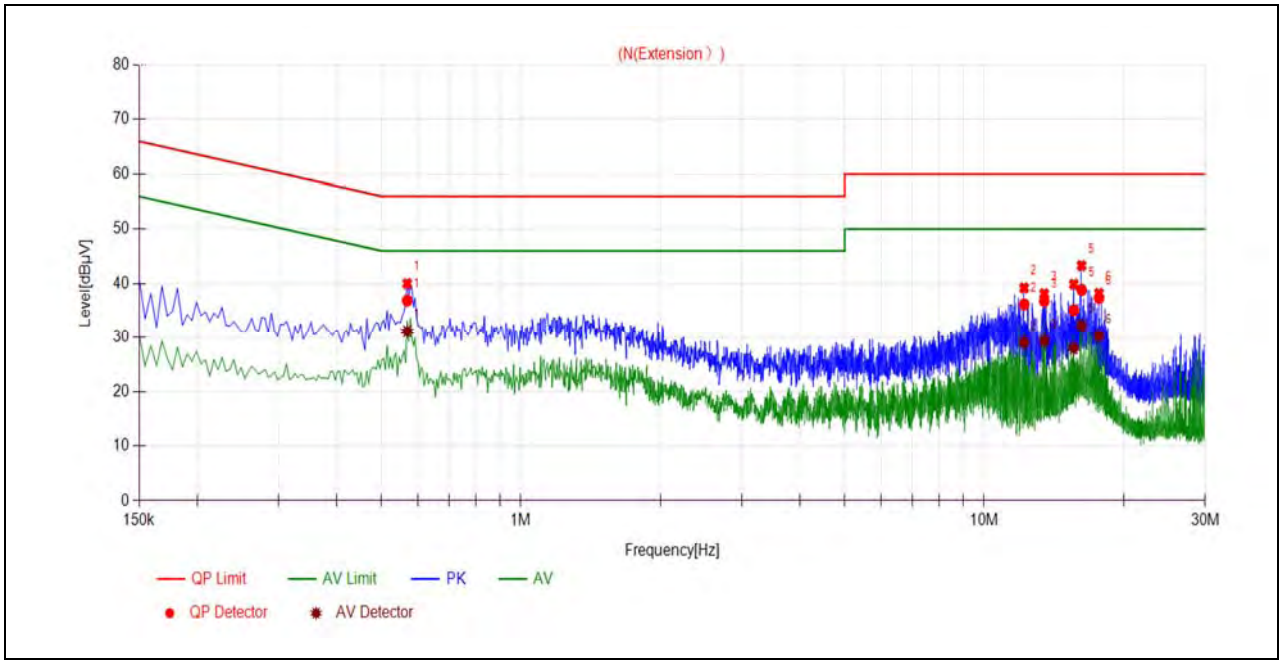
A_{Factor}: Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.2443	31.48	61.95	61.95	51.95	Line	PASS
2	0.5691	36.38	56.00	56.00	46.00		PASS
3	10.7946	39.42	60.00	60.00	50.00		PASS
4	11.6479	40.06	60.00	60.00	50.00		PASS
5	12.8070	37.68	60.00	60.00	50.00		PASS
6	17.6943	38.01	60.00	60.00	50.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.5686	36.89	31.18	56.00	46.00	Neutral	PASS
2	12.1973	36.20	29.04	60.00	50.00		PASS
3	13.4805	36.78	29.36	60.00	50.00		PASS
4	15.6158	35.10	28.01	60.00	50.00		PASS
5	16.2297	38.84	32.28	60.00	50.00		PASS
6	17.6951	37.37	30.27	60.00	50.00		PASS

A.10. Restricted Frequency Bands

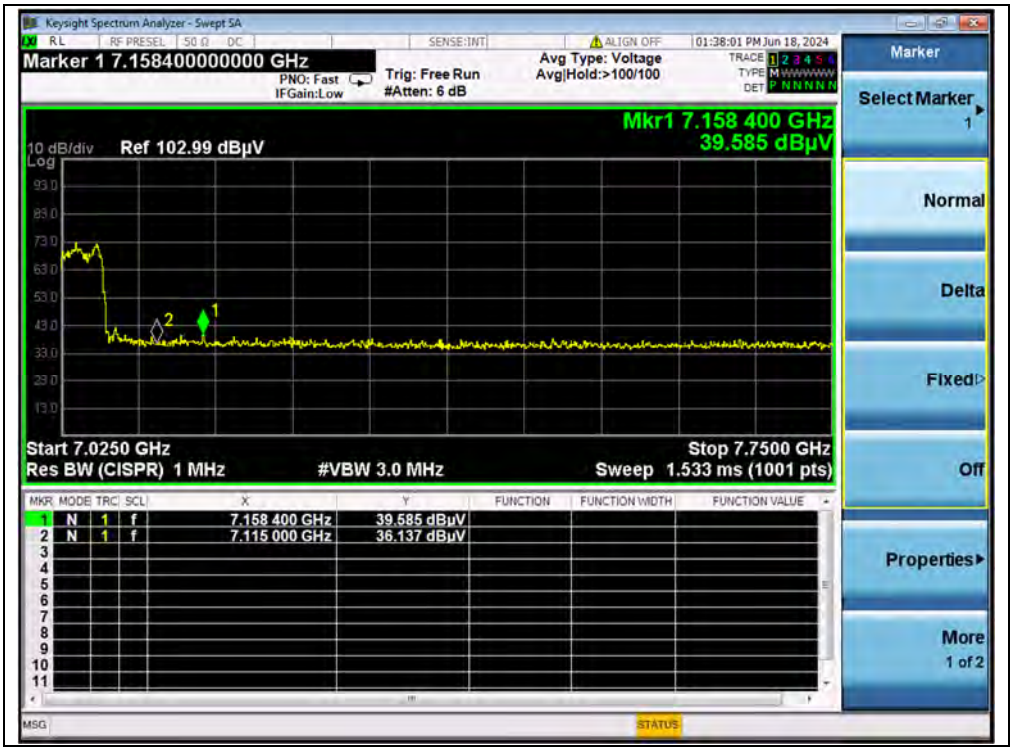
The lowest and highest channels are tested to verify the Restricted Frequency Bands.
The measurement results are obtained as below:
E [dBμV/m] =U_R + A_T + A_{Factor} [dB]; A_T =$L_{Cable\ loss}$ [dB]-G_{preamp} [dB]
A_T: Total correction Factor except Antenna
U_R: Receiver Reading
G_{preamp}: Preamplifier Gain
A_{Factor}: Antenna Factor at 3m
Note 1: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (horizontal) was recorded in this test report.
Note 2: Restricted Frequency Bands were performed in X, Y, Z axis direction, and only the worst axis (X axis) test condition was recorded in this test report.
Note 3: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11ax80 Mode

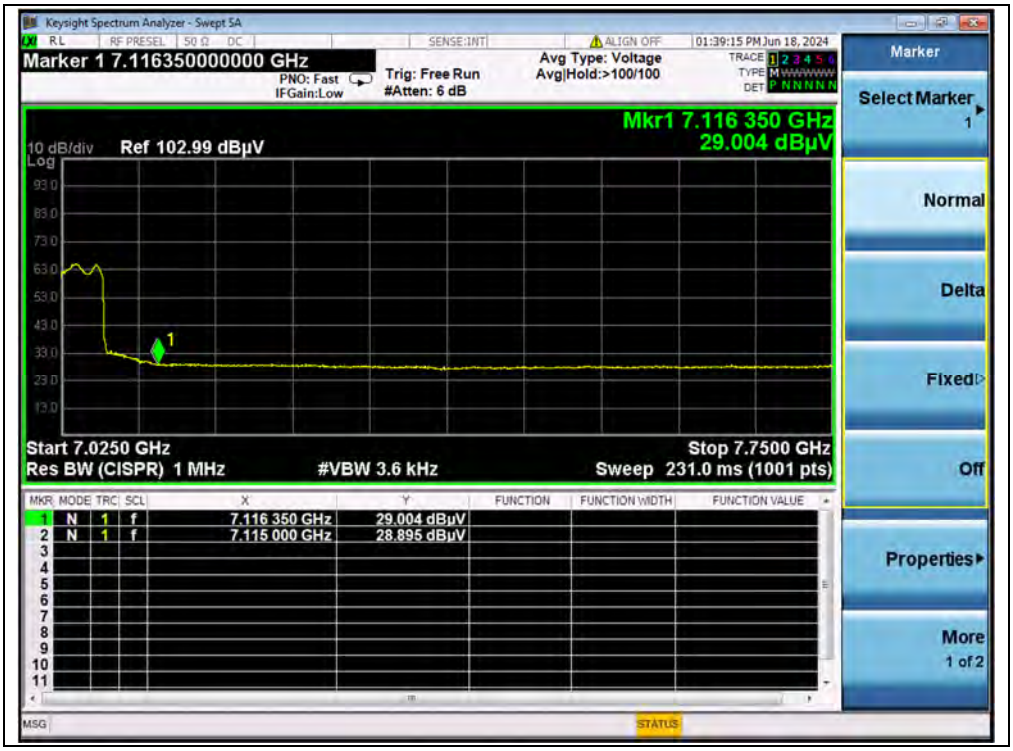
Ch.	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
7	5922.14	PK	45.24	-19.57	32.20	57.87	88.63	PASS
7	5922.14	AV	36.83	-19.57	32.20	49.46	68.26	PASS
215	7158.40	PK	39.59	-17.84	32.20	53.95	88.63	PASS
215	7116.35	AV	29.00	-17.84	32.20	43.36	68.26	PASS

(PEAK, Channel 7, 802.11ax80)

(AVERAGE, Channel 7, 802.11ax80)



(PEAK, Channel 215, 802.11ax160)



(AVERAGE, Channel 215, 802.11ax80)

A.11. Radiated Emission

According to ANSI C63.10, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak (or average) limit, it is unnecessary to perform a quasi-peak measurement (or average).

The measurement results are obtained as below:

$E\ [dB\mu V/m] = U_R + A_T + A_{Factor}\ [dB]$; $A_T = L_{Cable\ loss}\ [dB] - G_{preamp}\ [dB]$

A_T: Total correction Factor except Antenna

U_R: Receiver Reading

G_{preamp}: Preamplifier Gain

A_{Factor}: Antenna Factor at 3m

During the test, the total correction Factor A_T and A_{Factor} were built in test software.

Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

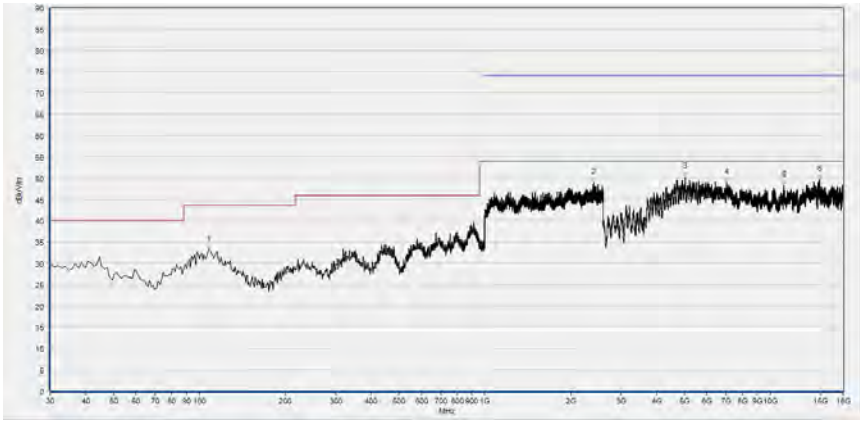
Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note 4: All test modes, bandwidth and channel were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

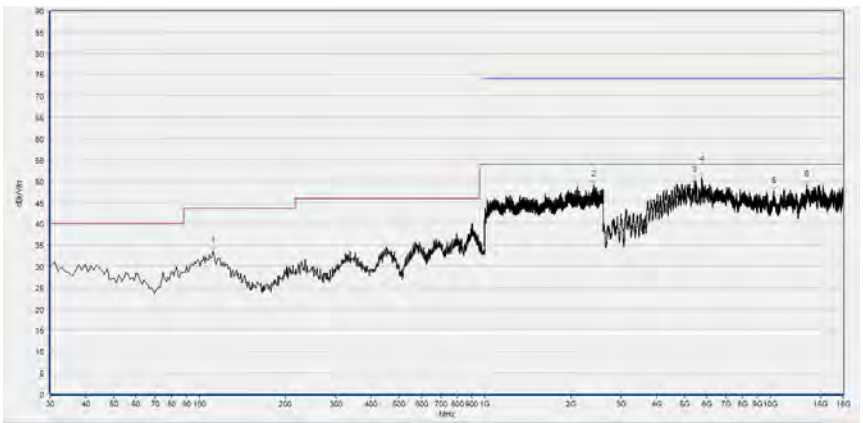
802.11ax80 Mode

Plot for Channel 55



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
107.600	33.23	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2411.200	48.87	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
5030.120	50.33	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
7050.600	49.02	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
11177.800	48.32	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
14861.480	49.61	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS

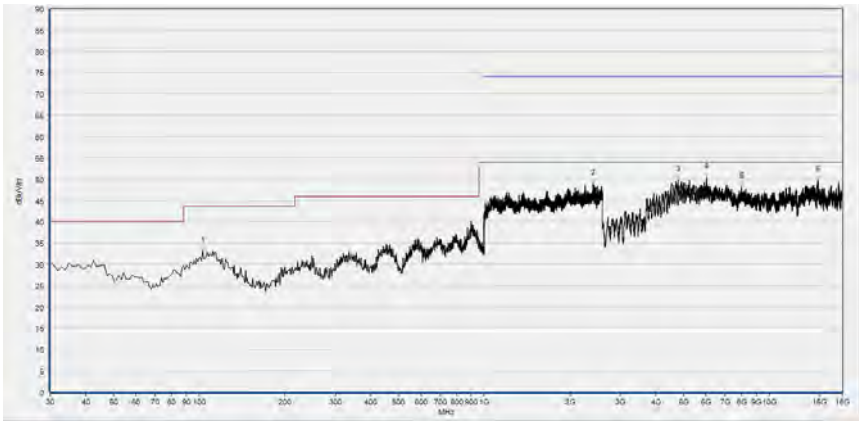
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
111.480	33.56	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2404.800	49.09	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
5418.200	50.04	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
5760.080	50.73	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
10281.520	47.66	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
13450.840	49.18	N/A	N/A	88.23	N/A	68.23	Vertical	PASS

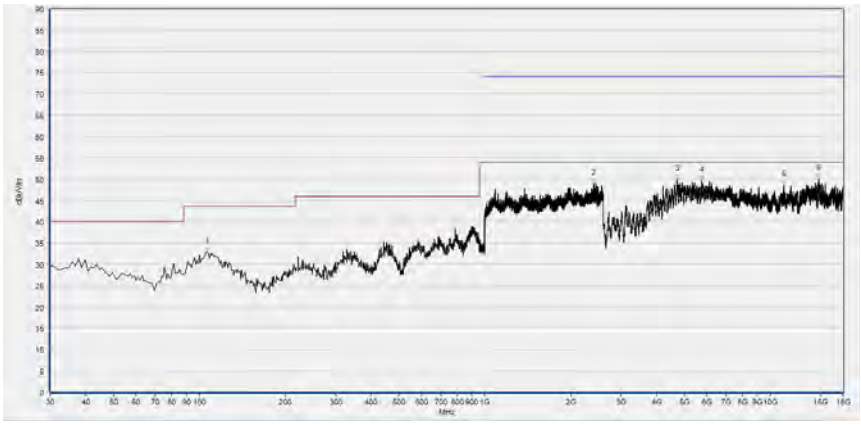
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 103



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	33.16	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2407.467	48.88	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
4792.960	49.80	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
6024.960	50.49	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
7999.240	48.26	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
14772.160	49.77	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS

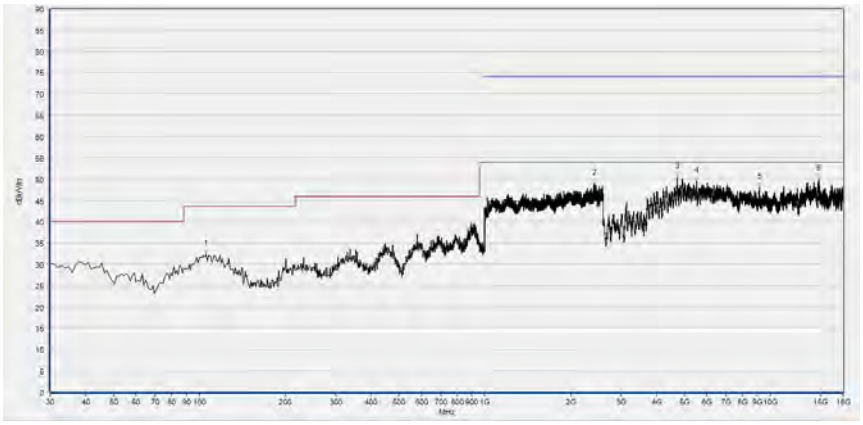
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.630	32.83	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2405.867	48.92	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
4715.960	50.00	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
5750.840	49.59	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
11174.720	48.66	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
14833.760	50.09	N/A	N/A	88.23	N/A	68.23	Vertical	PASS

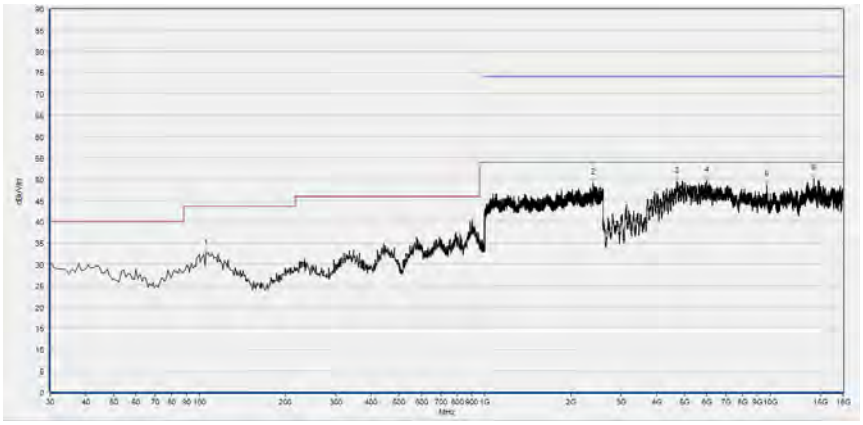
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 151



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	32.40	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2417.067	48.92	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
4725.200	50.37	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
5532.160	49.38	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
9172.720	48.12	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
14756.760	49.99	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS

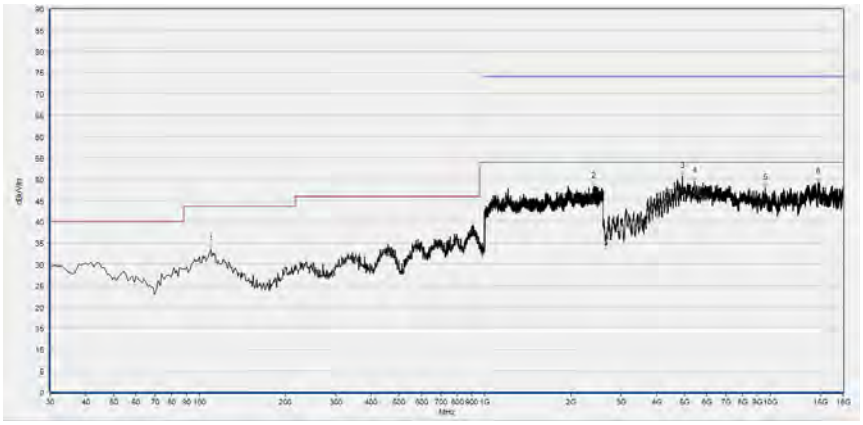
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	32.46	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2389.867	49.11	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
4706.720	49.47	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
6003.400	49.59	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
9742.520	48.68	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
14190.040	50.08	N/A	N/A	88.23	N/A	68.23	Vertical	PASS

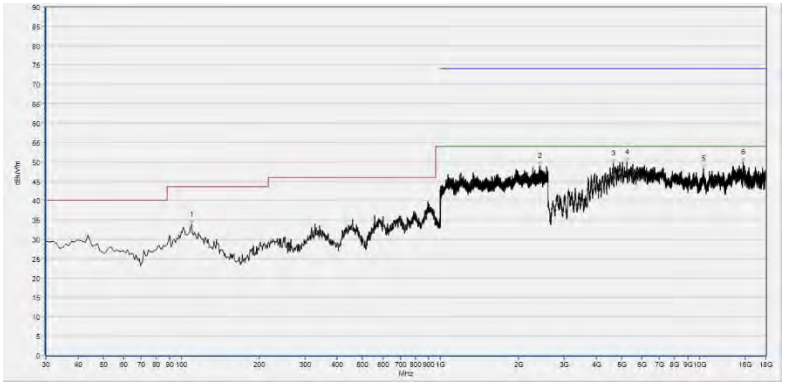
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 199



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	33.54	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2413.867	48.24	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
4913.080	50.55	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
5427.440	49.45	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
9585.440	48.00	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS
14750.600	49.33	N/A	N/A	88.23	N/A	68.23	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	33.88	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2416.000	48.89	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
4635.880	49.63	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
5233.400	49.96	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
10343.120	48.23	N/A	N/A	88.23	N/A	68.23	Vertical	PASS
14753.680	49.93	N/A	N/A	88.23	N/A	68.23	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT