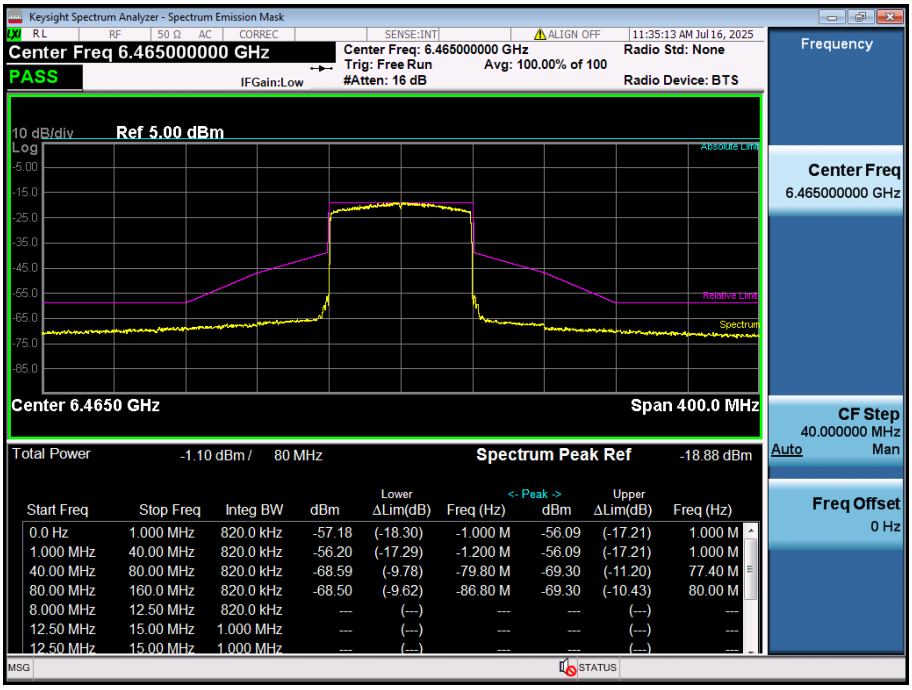
In-Band Emissions Test Mode: 6XD & U-NII 6 & 802.11ax(HE80) & 6465 MHz & 996T(67) & ANT1



Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	1.000 MHz	820.0 kHz	-57.18	(-18.30)	-1.000 M	-56.09	(-17.21)	1.000 M
1.000 MHz	40.00 MHz	820.0 kHz	-56.20	(-17.29)	-1.200 M	-56.09	(-17.21)	1.000 M
40.00 MHz	80.00 MHz	820.0 kHz	-68.59	(-9.78)	-79.80 M	-69.30	(-11.20)	77.40 M
80.00 MHz	160.0 MHz	820.0 kHz	-68.50	(-9.62)	-86.80 M	-69.30	(-10.43)	80.00 M
8.000 MHz	12.50 MHz	820.0 kHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

In-Band Emissions Test Mode: 6XD & U-NII 6 & 802.11ax(HE80) & 6465 MHz & 996T(67) & ANT2

Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	1.000 MHz	820.0 kHz	-56.39	(-18.73)	-1.000 M	-56.17	(-18.51)	1.000 M
1.000 MHz	40.00 MHz	820.0 kHz	-55.76	(-18.01)	-1.400 M	-56.17	(-18.47)	1.200 M
40.00 MHz	80.00 MHz	820.0 kHz	-67.90	(-10.30)	-79.80 M	-69.73	(-12.25)	79.40 M
80.00 MHz	160.0 MHz	820.0 kHz	-67.96	(-10.30)	-82.40 M	-69.44	(-11.78)	88.60 M
8.000 MHz	12.50 MHz	820.0 kHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

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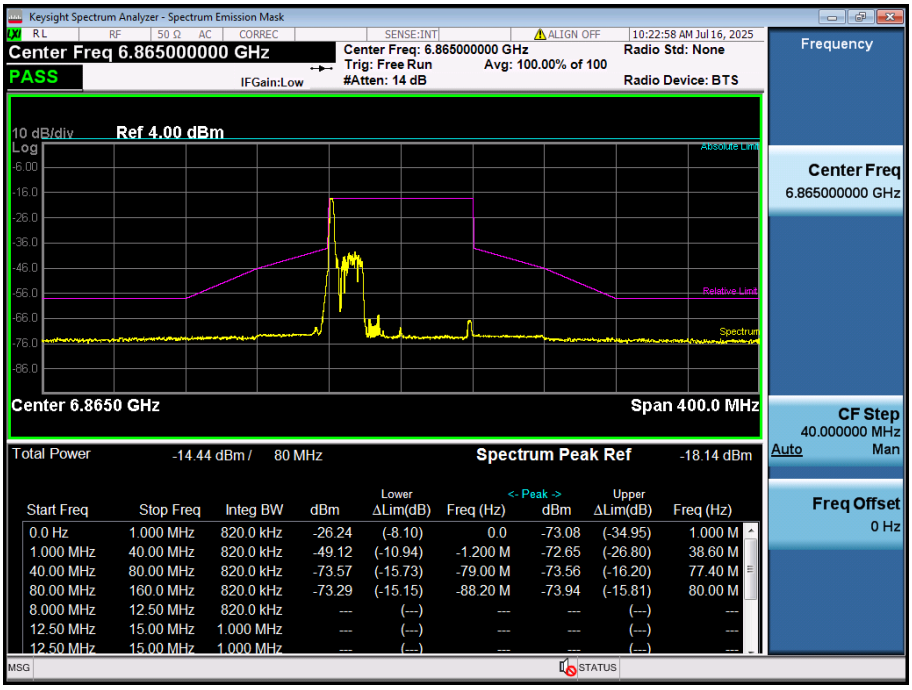
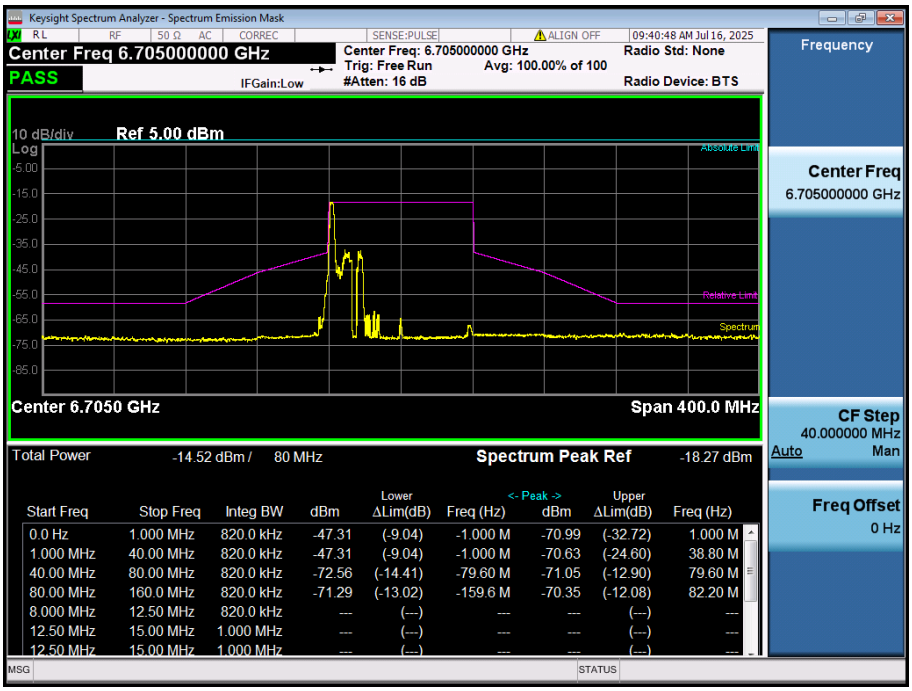
In-Band Emissions Test Mode: 6XD & U-NII 7 & 802.11ax(HE80) & 6865 MHz & 26T(0) & ANT1



In-Band Emissions Test Mode: 6XD & U-NII 7 & 802.11ax(HE80) & 6705 MHz & 26T(0) & ANT2



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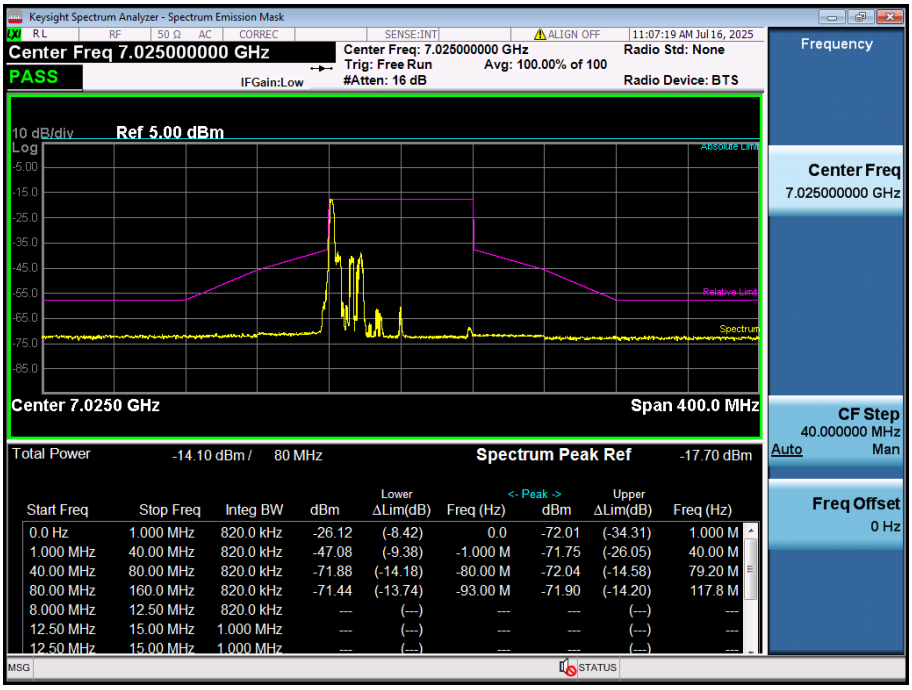
In-Band Emissions Test Mode: 6XD & U-NII 8 & 802.11ax(HE80) & 7025 MHz & 26T(0) & ANT1



In-Band Emissions Test Mode: 6XD & U-NII 8 & 802.11ax(HE80) & 7025 MHz & 996T(67) & ANT2

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5.5. Contention-based protocol

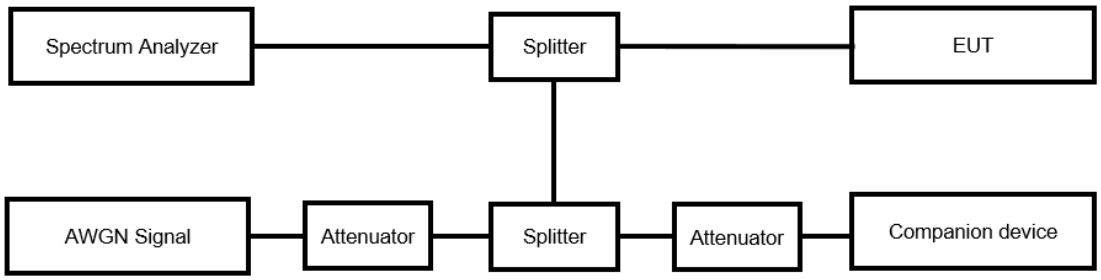
▣ Test Requirements and limit

15.407(d)(6)
All U-NII transmitters, except for standard power access points and fixed client devices, operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

RSS-248[4.7.1]
Low-power indoor access points, indoor subordinate devices, low-power client devices, very low-power devices, standard client devices, and dual client devices shall employ a contention-based protocol.

KDB 987594 D02v03 Section II.I.
Indoor access points, subordinate devices, all client devices (except for Fixed clients), and VLP devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) must use a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are technology-agnostic, unlicensed devices are required to detect co-channel radio frequency energy (energy detection) and avoid simultaneous transmission..
Unlicensed devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low-power indoor devices must vacate the channel (in which the incumbent signal is transmitted) and stay off the incumbent channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.
To ensure incumbent operations are reliably detected in the band, low-power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz-wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, **these devices must detect co-channel energy with 90% or greater certainty.**

▣ Test Configuration



▣ Test Procedure

- KDB 987594 D02v03 Section II.I.

1) Configure the EUT to transmit with a constant duty cycle.
2) Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3) Set the signal analyzer center frequency to the nominal EEUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2, as shown in test configuration. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
4) Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
5) Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
6) Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in test configuration.
7) Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
8) Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
9) (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
10) Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.

Table 1. Criteria to determine number of times detection threshold test may be performed

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Tune incumbent and EUT transmissions ($f_{c1}=f_{c2}$)
$BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$	Once	Incumbent transmission is contained within BW_{EUT}
$TwoBW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$	Twice. Incumbent transmission is contained within BW_{Inc}	Incumbent transmission is close to the EUT channel's lower and upper edges.
$fourBW_{EUT} > 4BW_{Inc}$	Three times	Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of the EUT channel, and as closely as possible to the upper edge of the EUT channel.

where:
BW_{EUT}: Transmission bandwidth of EUT signal
BW_{Inc}: Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal)
f_{c1}: The center frequency of EUT transmission
f_{c2}: Center frequency of simulated incumbent signal

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▣ Test Results

Detection Results

Band	Channel BW (MHz)	Channel	EUT Frequency (MHz)	AWGN Frequency (MHz)	Injected AWGN Power (dBm)	Antenna Gain(dBi)	Adjusted Power (dBm)	Detection Limit (dBm)	EUT TX Status
NII-5	20	37	6135	6135	-76.80	2.36	-79.16	-62.0	OFF
NII-5	20	37	6135	6135	-80.56	2.36	-82.92	-62.0	Minimal
NII-5	20	37	6135	6135	-84.60	2.36	-86.96	-62.0	ON
NII-6	20	101	6455	6455	-76.79	2.36	-79.15	-62.0	OFF
NII-6	20	101	6455	6455	-81.80	2.36	-84.16	-62.0	Minimal
NII-6	20	101	6455	6455	-84.60	2.36	-86.96	-62.0	ON
NII-7	20	149	6695	6695	-76.91	2.36	-79.27	-62.0	OFF
NII-7	20	149	6695	6695	-82.20	2.36	-84.56	-62.0	Minimal
NII-7	20	149	6695	6695	-84.60	2.36	-86.96	-62.0	ON
NII-8	20	213	7015	7015	-75.48	2.36	-77.84	-62.0	OFF
NII-8	20	213	7015	7015	-80.91	2.36	-83.27	-62.0	Minimal
NII-8	20	213	7015	7015	-84.60	2.36	-86.96	-62.0	ON
NII-5	80	39	6145	6110	-72.97	2.36	-75.33	-62.0	OFF
NII-5	80	39	6145	6110	-80.02	2.36	-82.38	-62.0	Minimal
NII-5	80	39	6145	6110	-84.60	2.36	-86.96	-62.0	ON
NII-5	80	39	6145	6145	-69.30	2.36	-71.66	-62.0	OFF
NII-5	80	39	6145	6145	-80.84	2.36	-83.20	-62.0	Minimal
NII-5	80	39	6145	6145	-84.60	2.36	-86.96	-62.0	ON
NII-5	80	39	6145	6180	-77.35	2.36	-79.71	-62.0	OFF
NII-5	80	39	6145	6180	-80.78	2.36	-83.14	-62.0	Minimal
NII-5	80	39	6145	6180	-84.60	2.36	-86.96	-62.0	ON
NII-6	80	103	6465	6430	-74.03	2.36	-76.39	-62.0	OFF
NII-6	80	103	6465	6430	-81.69	2.36	-84.05	-62.0	Minimal
NII-6	80	103	6465	6430	-84.60	2.36	-86.96	-62.0	ON
NII-6	80	103	6465	6465	-70.72	2.36	-73.08	-62.0	OFF
NII-6	80	103	6465	6465	-82.35	2.36	-84.71	-62.0	Minimal
NII-6	80	103	6465	6465	-84.60	2.36	-86.96	-62.0	ON
NII-6	80	103	6465	6500	-74.24	2.36	-76.60	-62.0	OFF
NII-6	80	103	6465	6500	-80.63	2.36	-82.99	-62.0	Minimal
NII-6	80	103	6465	6500	-84.60	2.36	-86.96	-62.0	ON
NII-7	80	151	6705	6670	-75.64	2.36	-78.00	-62.0	OFF
NII-7	80	151	6705	6670	-83.20	2.36	-85.56	-62.0	Minimal
NII-7	80	151	6705	6670	-84.60	2.36	-86.96	-62.0	ON
NII-7	80	151	6705	6705	-71.23	2.36	-73.59	-62.0	OFF
NII-7	80	151	6705	6705	-83.34	2.36	-85.70	-62.0	Minimal
NII-7	80	151	6705	6705	-84.60	2.36	-86.96	-62.0	ON
NII-7	80	151	6705	6740	-74.17	2.36	-76.53	-62.0	OFF
NII-7	80	151	6705	6740	-82.07	2.36	-84.43	-62.0	Minimal
NII-7	80	151	6705	6740	-84.60	2.36	-86.96	-62.0	ON
NII-8	80	199	6945	6910	-74.16	2.36	-76.52	-62.0	OFF
NII-8	80	199	6945	6910	-82.54	2.36	-84.90	-62.0	Minimal
NII-8	80	199	6945	6910	-84.60	2.36	-86.96	-62.0	ON
NII-8	80	199	6945	6945	-69.57	2.36	-71.93	-62.0	OFF
NII-8	80	199	6945	6945	-82.29	2.36	-84.65	-62.0	Minimal
NII-8	80	199	6945	6945	-84.60	2.36	-86.96	-62.0	ON
NII-8	80	199	6945	6980	-74.07	2.36	-76.43	-62.0	OFF
NII-8	80	199	6945	6980	-82.08	2.36	-84.44	-62.0	Minimal
NII-8	80	199	6945	6980	-84.60	2.36	-86.96	-62.0	ON

Note: Contention based protocol was tested with receiver with the lowest antenna gain.
Adjusted power(dBm) = Injected AWGN Power(dBm) – Antenna gain(dBi)

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Detection Probability

Band	Channel BW (MHz)	Channel	EUT Frequency (MHz)	AWGN Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection probability (%)
NII-5	20	37	6135	6135	O	O	O	O	O	O	O	O	O	O	100
NII-6	20	101	6455	6455	O	O	O	O	O	O	O	O	O	O	100
NII-7	20	149	6695	6695	O	O	O	O	O	O	O	O	O	O	100
NII-8	20	213	7015	7015	O	O	O	O	O	O	O	O	O	O	100
NII-5	80	39	6145	6110	O	O	O	O	O	O	O	O	O	O	100
NII-5	80	39	6145	6145	O	O	O	O	O	O	O	O	O	O	100
NII-5	80	39	6145	6180	O	O	O	O	O	O	O	O	O	O	100
NII-6	80	103	6465	6430	O	O	O	O	O	O	O	O	O	O	100
NII-6	80	103	6465	6465	O	O	O	O	O	O	O	O	O	O	100
NII-6	80	103	6465	6500	O	O	O	O	O	O	O	O	O	O	100
NII-7	80	151	6705	6670	O	O	O	O	O	O	O	O	O	O	100
NII-7	80	151	6705	6705	O	O	O	O	O	O	O	O	O	O	100
NII-7	80	151	6705	6740	O	O	O	O	O	O	O	O	O	O	100
NII-8	80	199	6945	6910	O	O	O	O	O	O	O	O	O	O	100
NII-8	80	199	6945	6945	O	O	O	O	O	O	O	O	O	O	100
NII-8	80	199	6945	6980	O	O	O	O	O	O	O	O	O	O	100

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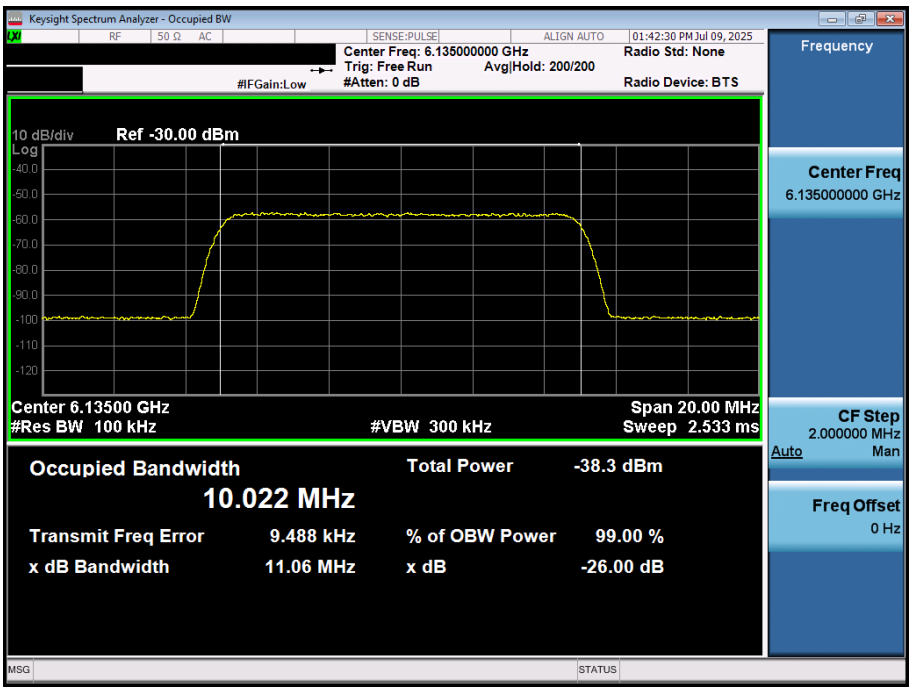
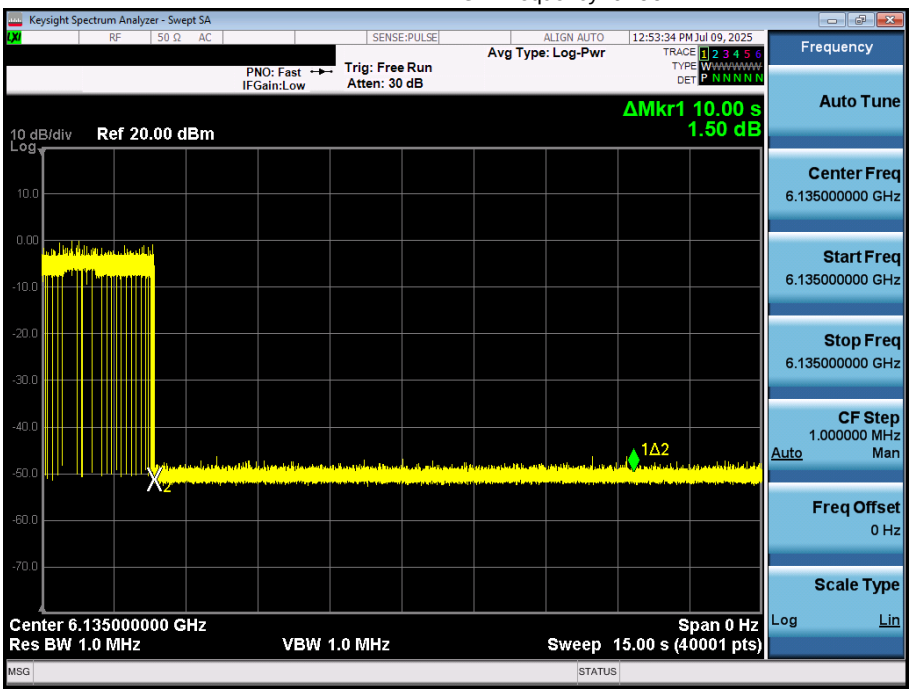
▣ Test Plots

OBW of AWGN Signal



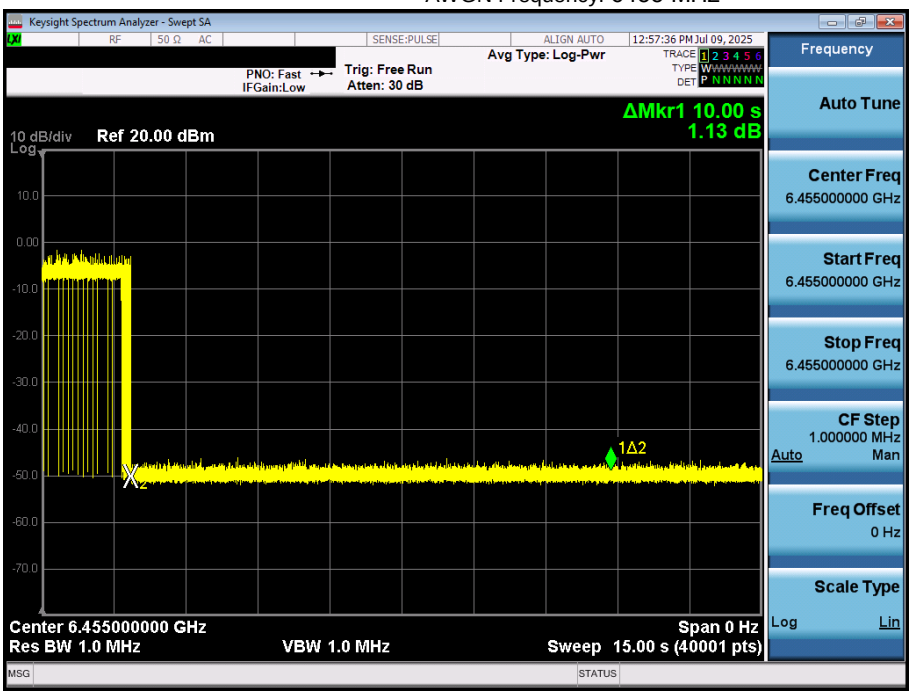
Timing Plot

Test Mode: U-NII 5 & Channel BW: 20 MHz & EUT Frequency: 6135 MHz
AWGN Frequency: 6135 MHz



Timing Plot

Test Mode: U-NII 6 & Channel BW: 20 MHz & EUT Frequency: 6455 MHz
AWGN Frequency: 6455 MHz



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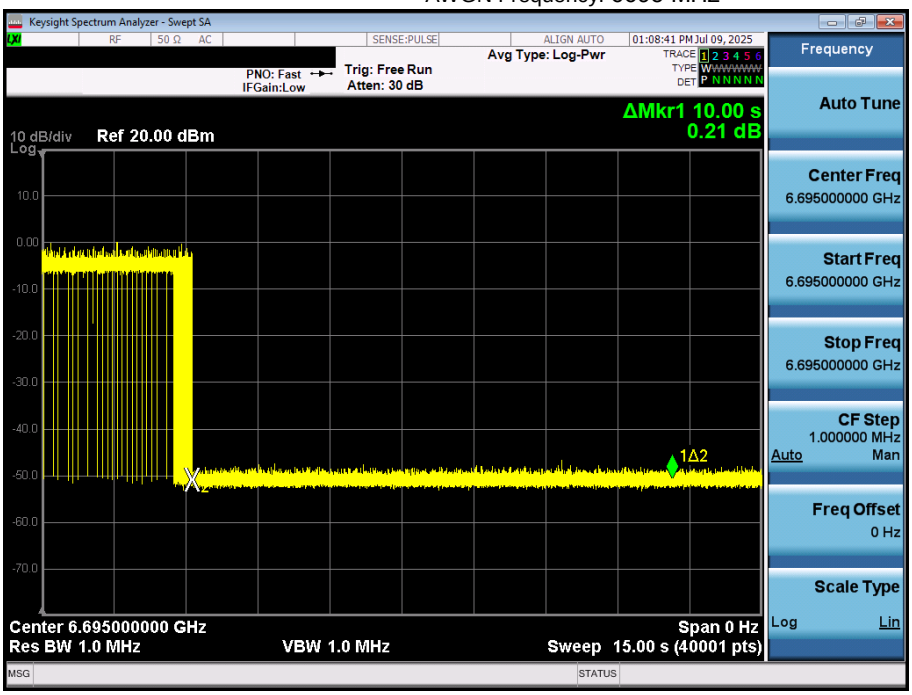
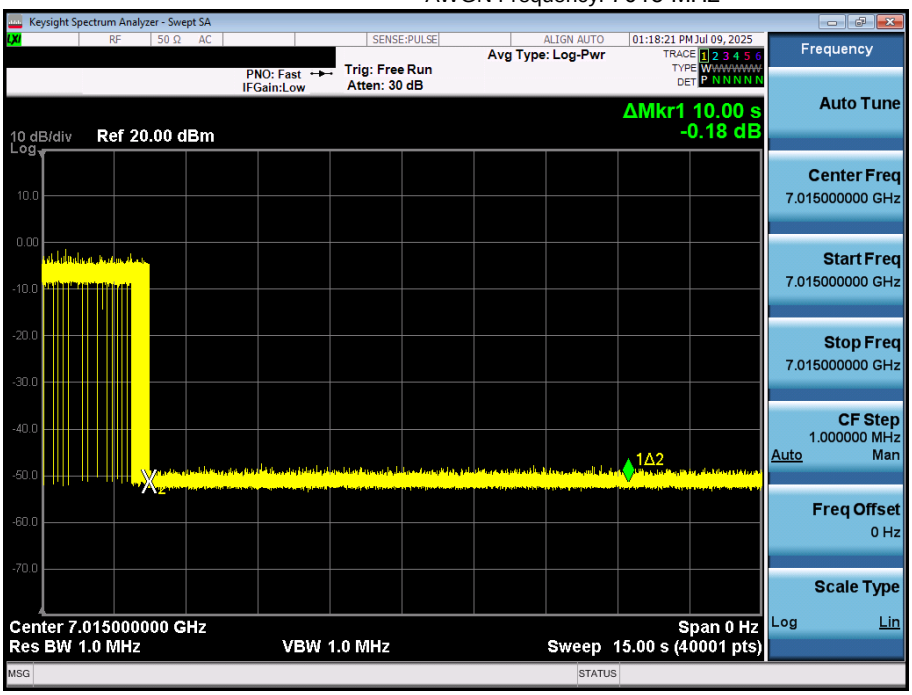
Timing Plot

Test Mode: U-NII 7 & Channel BW: 20 MHz & EUT Frequency: 6695 MHz
AWGN Frequency: 6695 MHz



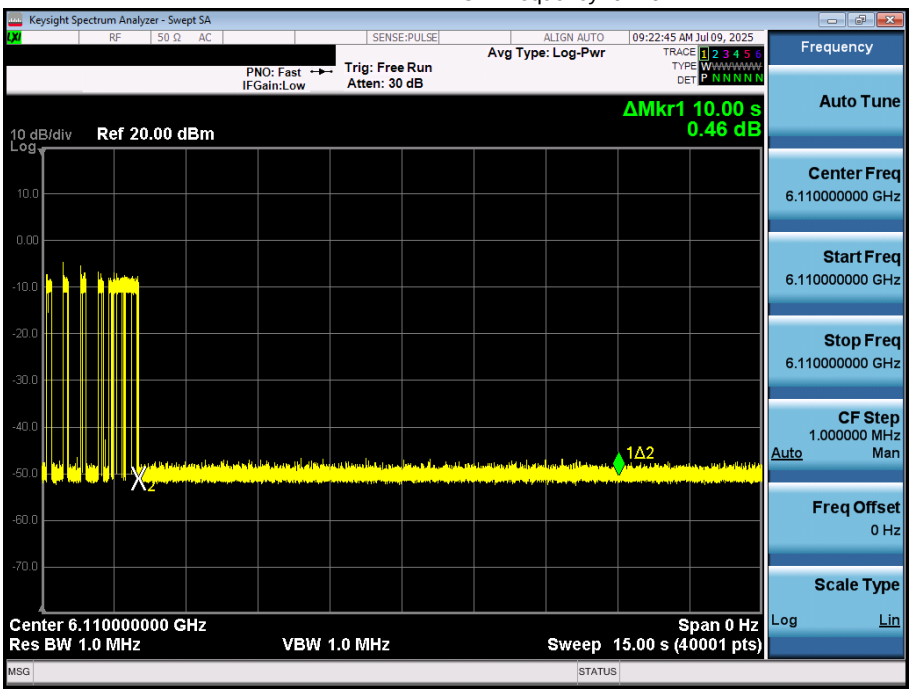
Timing Plot

Test Mode: U-NII 8 & Channel BW: 20 MHz & EUT Frequency: 7015 MHz
AWGN Frequency: 7015 MHz



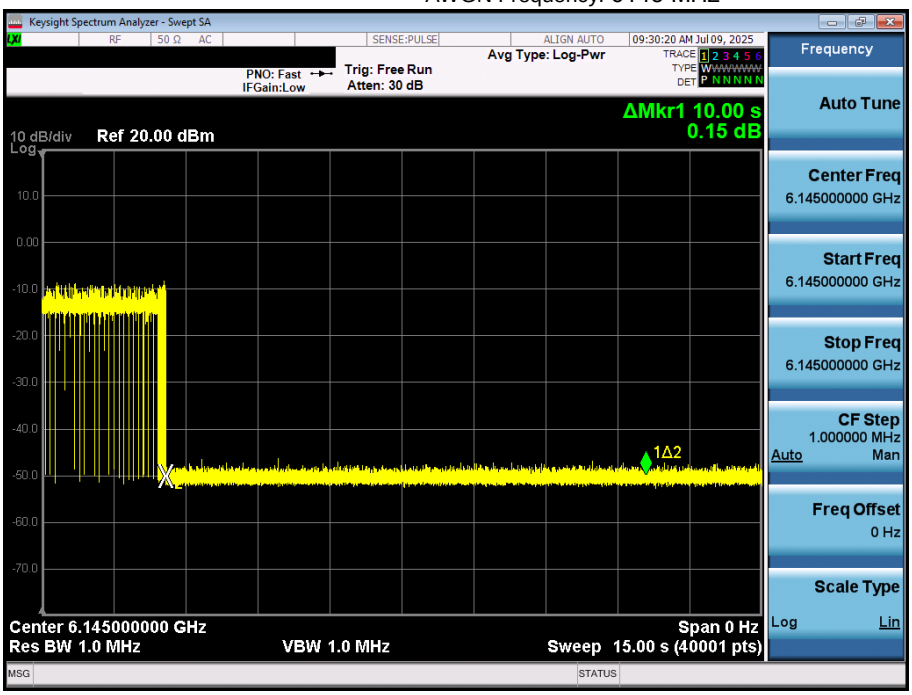
Timing Plot

Test Mode: U-NII 5 & Channel BW: 80 MHz & EUT Frequency: 6 145 MHz
AWGN Frequency: 6110 MHz



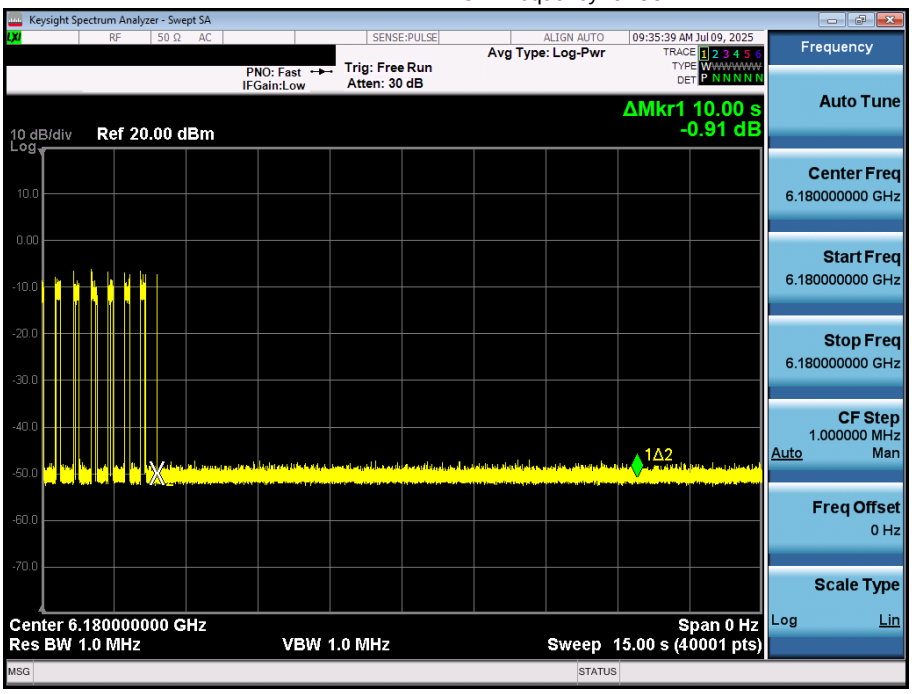
Timing Plot

Test Mode: U-NII 5 & Channel BW: 80 MHz & EUT Frequency: 6145 MHz
AWGN Frequency: 6145 MHz



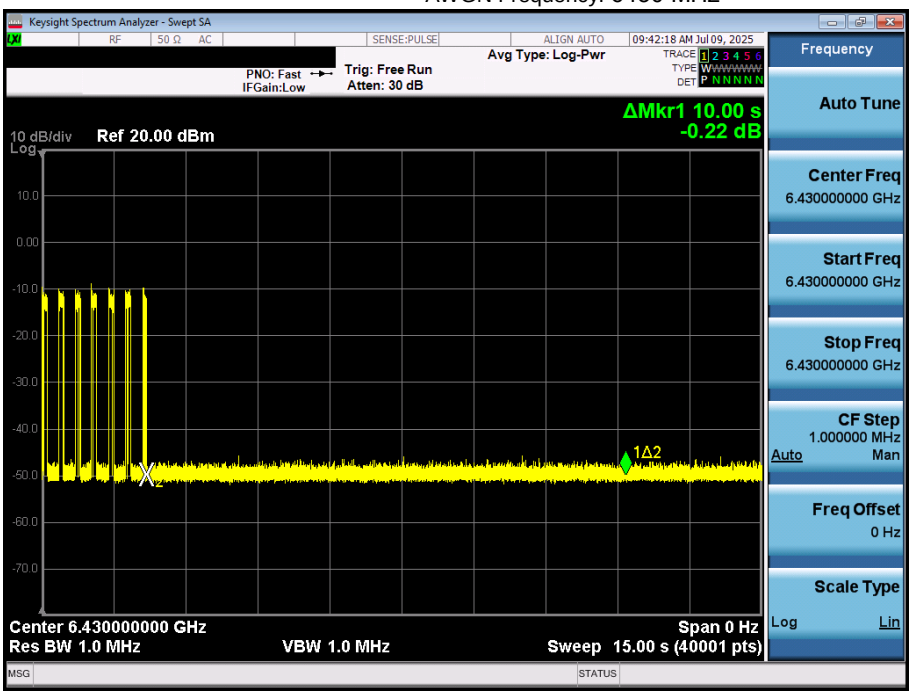
Timing Plot

Test Mode: U-NII 5 & Channel BW: 80 MHz & EUT Frequency: 6145 MHz
AWGN Frequency: 6180 MHz



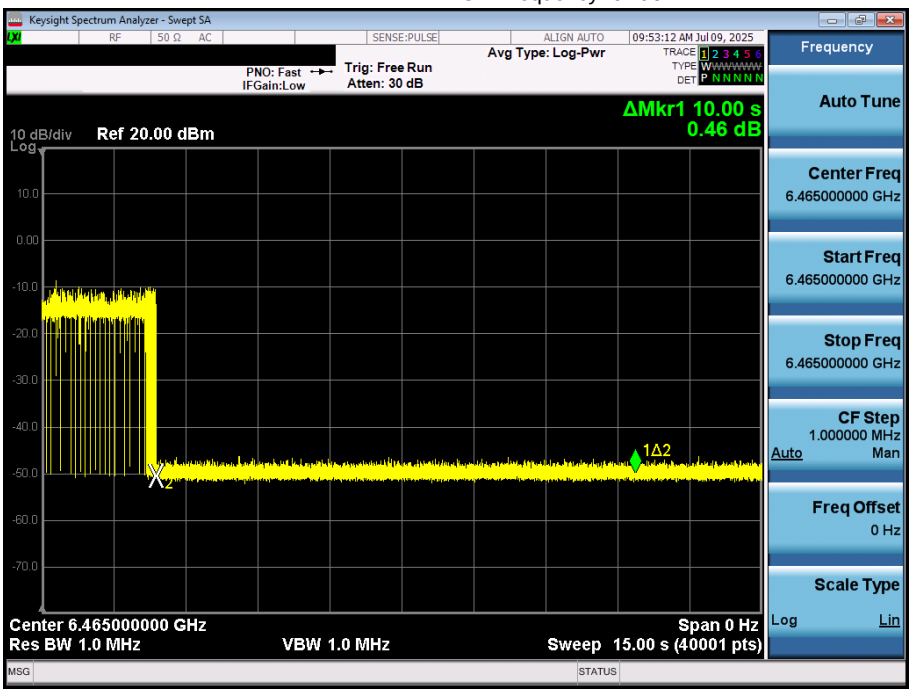
Timing Plot

Test Mode: U-NII 6 & Channel BW: 80 MHz & EUT Frequency: 6465 MHz
AWGN Frequency: 6430 MHz



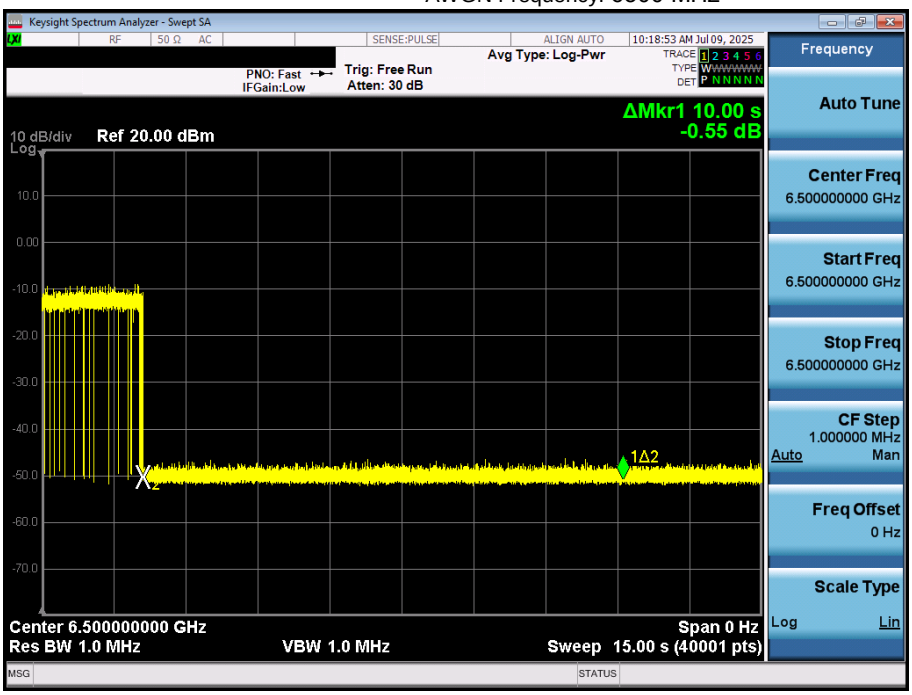
Timing Plot

Test Mode: U-NII 6 & Channel BW: 80 MHz & EUT Frequency: 6465 MHz
AWGN Frequency: 6465 MHz



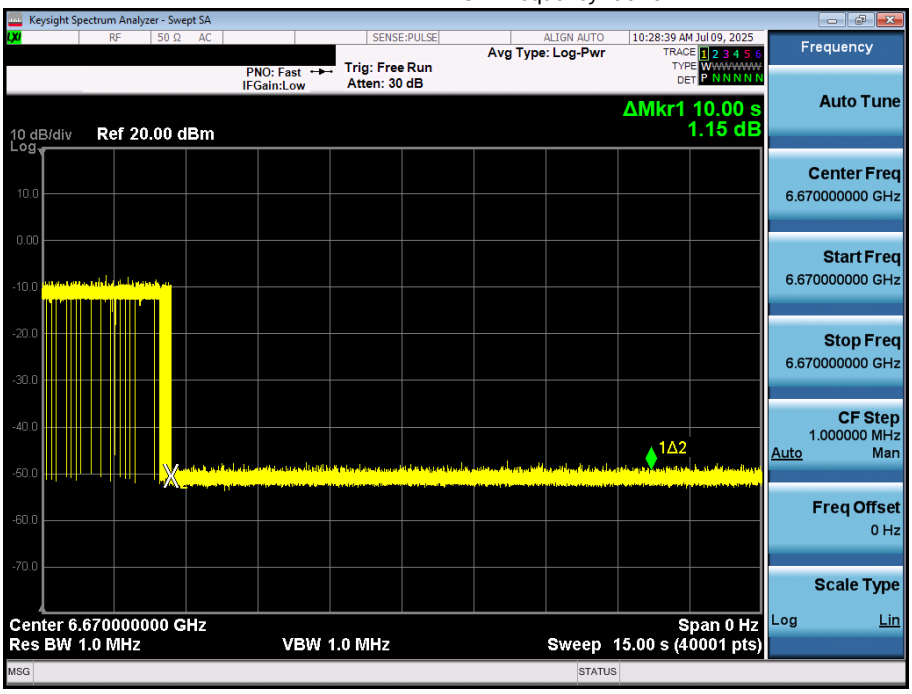
Timing Plot

Test Mode: U-NII 6 & Channel BW: 80MHz & EUT Frequency: 6465 MHz
AWGN Frequency: 6500 MHz



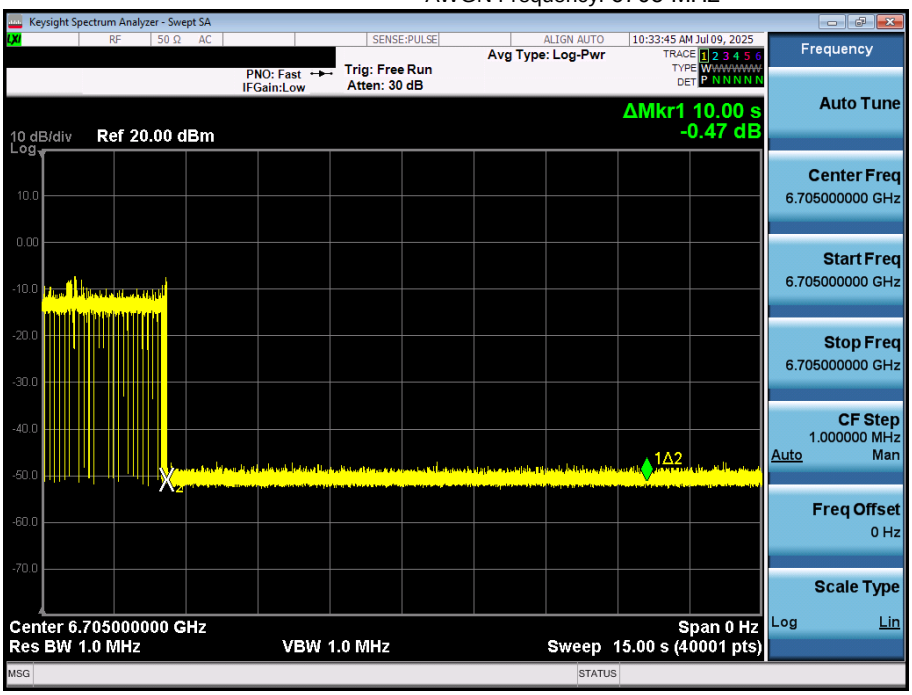
Timing Plot

Test Mode: U-NII 7 & Channel BW: 80 MHz & EUT Frequency: 6705 MHz
AWGN Frequency: 6670 MHz



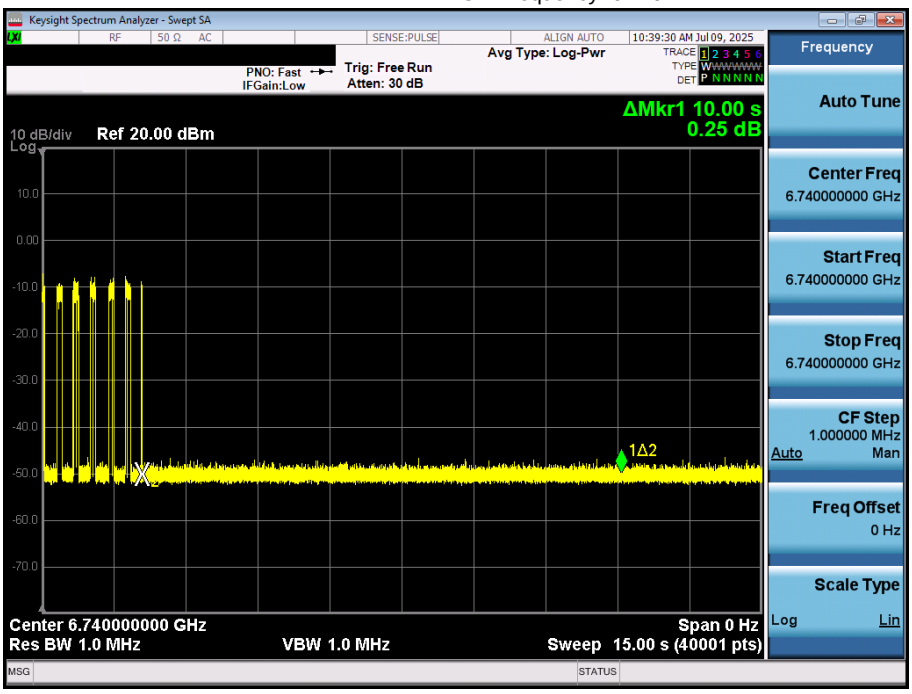
Timing Plot

Test Mode: U-NII 7 & Channel BW: 80 MHz & EUT Frequency: 6705 MHz
AWGN Frequency: 6705 MHz



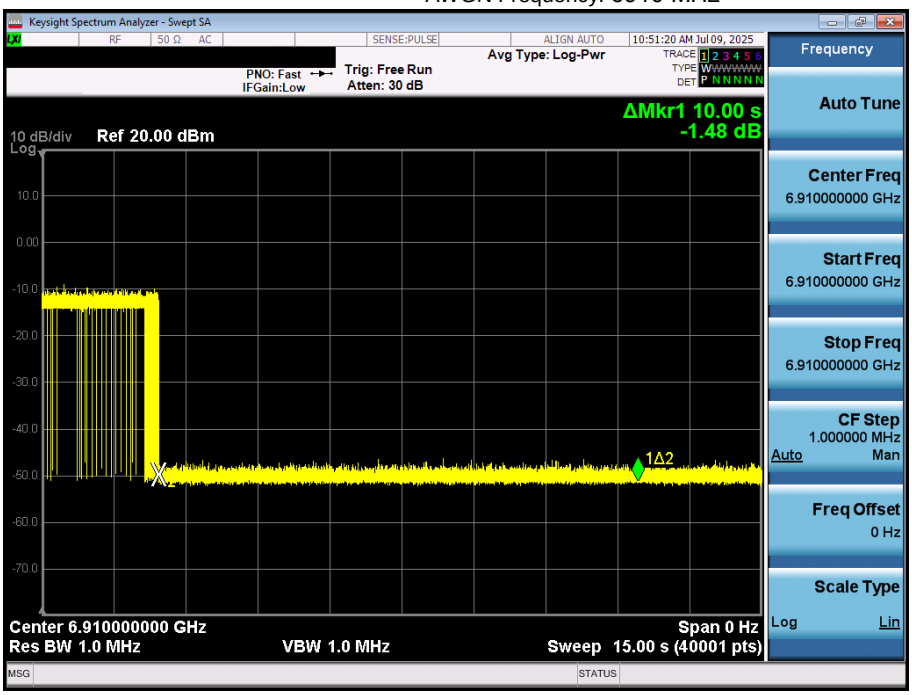
Timing Plot

Test Mode: U-NII 7 & Channel BW: 80 MHz & EUT Frequency: 6705 MHz
AWGN Frequency: 6740 MHz



Timing Plot

Test Mode: U-NII 8 & Channel BW: 80 MHz & EUT Frequency: 6945 MHz
AWGN Frequency: 6910 MHz



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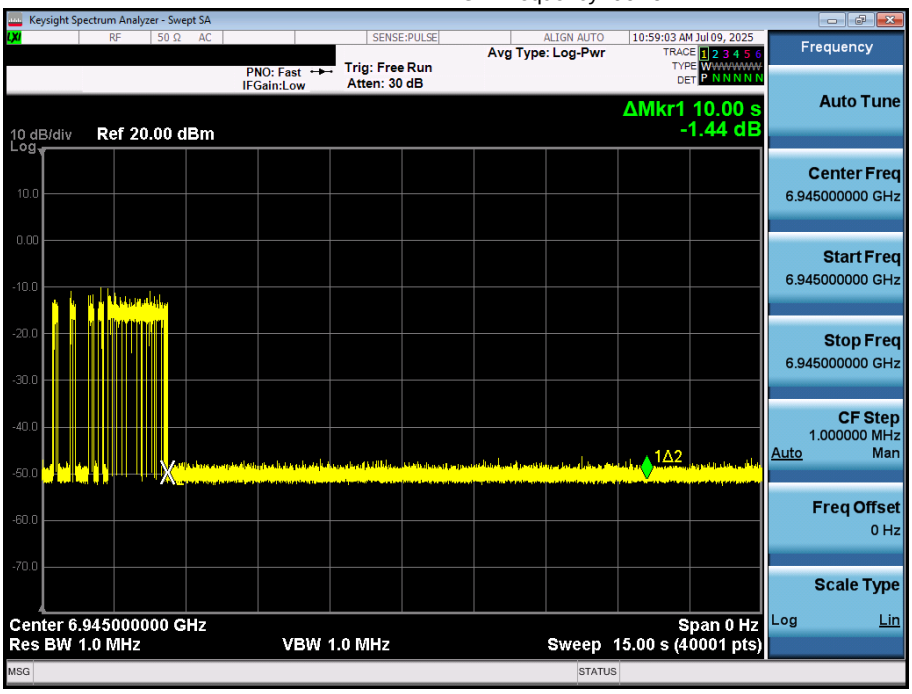
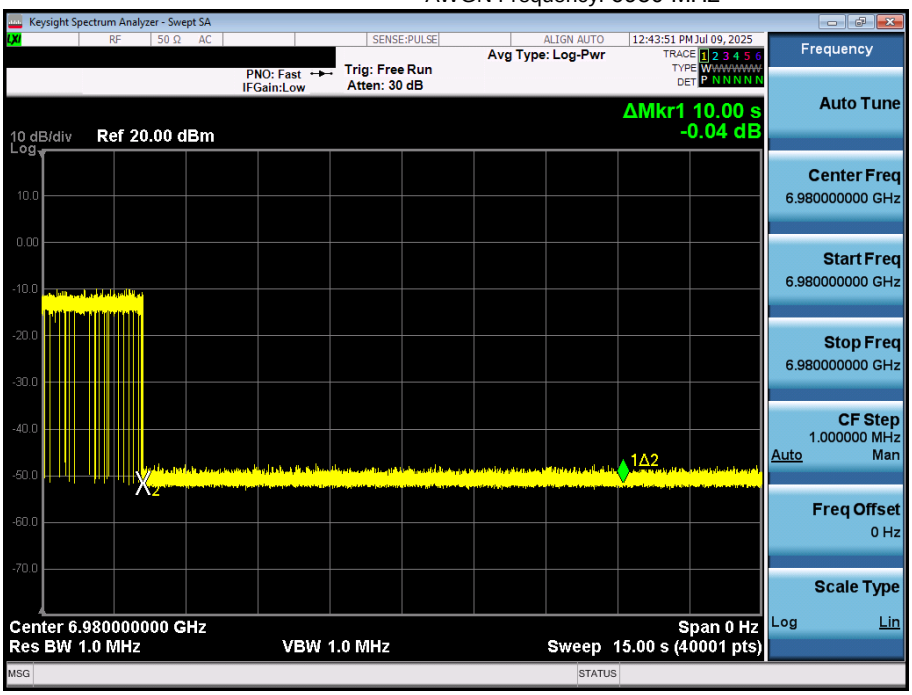
Timing Plot

Test Mode: U-NII 8 & Channel BW: 80 MHz & EUT Frequency: 6945 MHz
AWGN Frequency: 6945 MHz



Timing Plot

Test Mode: U-NII 8 & Channel BW: 80 MHz & EUT Frequency: 6945 MHz
AWGN Frequency: 6980 MHz



5.6. Unwanted Emissions

▣ Test Requirements and limit

Part 15.407(b)(6)

For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of −27 dBm/MHz.

Part 15.407(b)(9)

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209.

Part 15.407(b)(10)

The provisions of § 15.205 apply to intentional radiators operating under this section.

RSS-248[4.6.2]

a. any emissions outside of the 5925-7125 MHz frequency band shall not exceed −27 dBm/MHz e.i.r.p. spectral density

Part 15.209 & RSS-Gen[8.9]: General requirements

Frequency (MHz)	FCC Limit (uV/m)	IC Limit (μA/m)	Measurement Distance (m)
0.009 – 0.490	2 400 / F (kHz)	6.37/F (F in kHz)	300
0.490 – 1.705	24 000 / F (kHz)	63.7/F (F in kHz)	30
1.705 – 30.0	30	0.08	30

Frequency (MHz)	FCC Limit (uV/m)	IC Limit (uV/m)	Measurement Distance (m)
30 ~ 88	100 **	100	3
88 ~ 216	150 **	150	3
216 ~ 960	200 **	200	3
Above 960	500	500	3

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §15.231 and 15.241.

Part 15.205(a): Restricted band of operation

MHz	MHz	MHz	MHz	GHz	GHz
0.009 ~ 0.110	8.414 25 ~ 8.414 75	108 ~ 121.94	1 300 ~ 1 427	4.5 ~ 5.15	14.47 ~ 14.5
0.495 ~ 0.505	12.29 ~ 12.293	123 ~ 138	1 435 ~ 1 626.5	5.35 ~ 5.46	15.35 ~ 16.2
2.173 5 ~ 2.190 5	12.519 75 ~ 12.520 25	149.9 ~ 150.05	1 645.5 ~ 1 646.5	7.25 ~ 7.75	17.7 ~ 21.4
4.125 ~ 4.128	12.576 75 ~ 12.577 25	156.524 75 ~ 156.525 25	1 660 ~ 1 710	8.025 ~ 8.5	22.01 ~ 23.12
4.177 25 ~ 4.177 75	13.36 ~ 13.41	156.7 ~ 156.9	1 718.8 ~ 1 722.2	9.0 ~ 9.2	23.6 ~ 24.0
4.207 25 ~ 4.207 75	16.42 ~ 16.423	162.012 5 ~ 167.17	2 200 ~ 2 300	9.3 ~ 9.5	31.2 ~ 31.8
6.215 ~ 6.218	16.694 75 ~ 16.695 25	167.72 ~ 173.2	2 310 ~ 2 390	10.6 ~ 12.7	36.43 ~ 36.5
6.267 75 ~ 6.268 25	16.804 25 ~ 16.804 75	240 ~ 285	2 483.5 ~ 2 500	13.25 ~ 13.4	Above 38.6
6.311 75 ~ 6.312 25	25.5 ~ 25.67	322 ~ 335.4	2 655 ~ 2 900		
8.291 ~ 8.294	37.5 ~ 38.25	399.90 ~ 410	3 260 ~ 3 267		
8.362 ~ 8.366	73 ~ 74.6	608 ~ 614	3 332 ~ 3 339		
8.376 25 ~ 8.386 75	74.8 ~ 75.2	960 ~ 1 240	3 345.8 ~ 3 358		
			3 600 ~ 4 400		

- RSS-Gen[8.10]: Restricted frequency bands

MHz	MHz	MHz	MHz	MHz	GHz
0.090 ~ 0.110	8.362 ~ 8.366	73 ~ 74.6	608 ~ 614	3 345.8 ~ 3 358	9.0 ~ 9.2
0.495 ~ 0.505	8.376 25 ~ 8.386 75	74.8 ~ 75.2	960 ~ 1 427	3 500 ~ 4 400	9.3 ~ 9.5
2.173 5 ~ 2.190 5	8.414 25 ~ 8.414 75	108 ~ 138	1 435 ~ 1 626.5	4 500 ~ 5 150	10.6 ~ 12.7
3.020 ~ 3.026	12.29 ~ 12.293	149.9 ~ 150.05	1 645.5 ~ 1 646.5	5 350 ~ 5 460	13.25 ~ 13.4
4.125 ~ 4.128	12.519 75 ~ 12.520 25	156.524 75 ~	1 660 ~ 1 710	7 250 ~ 7 750	14.47 ~ 14.5
4.177 25 ~ 4.177 75	12.576 75 ~ 12.577 25	156.525 25	1 718.8 ~ 1 722.2	8 025 ~ 8 500	15.35 ~ 16.2
4.207 25 ~ 4.207 75	13.36 ~ 13.41	156.7 ~ 156.9	2 200 ~ 2 300		17.7 ~ 21.4
5.677 ~ 5.683	16.42 ~ 16.423	162.01 25 ~ 167.17	2 310 ~ 2 390		22.01 ~ 23.12
6.215 ~ 6.218	16.694 75 ~ 16.695 25	167.72 ~ 173.2	2 483.5 ~ 2 500		23.6 ~ 24.0
6.267 75 ~ 6.268 25	16.804 25 ~ 16.804 75	240 ~ 285	2 655 ~ 2 900		31.2 ~ 31.8
6.311 75 ~ 6.312 25	25.5 ~ 25.67	322 ~ 335.4	3 260 ~ 3 267		36.43 ~ 36.5
8.291 ~ 8.294	37.5 ~ 38.25	399.90 ~ 410	3 332 ~ 3 339		Above 38.6

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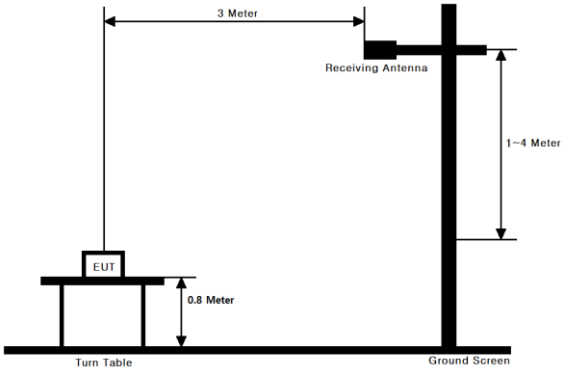
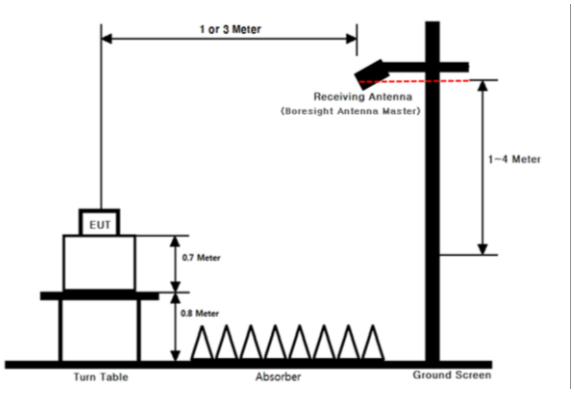
▣ Test Configuration

Below 1 GHz	Above 1 GHz
	

▣ Test Procedure

1) The EUT is placed on a non-conductive table. For emission measurements at or below 1 GHz, the table height is 80 cm. For emission measurements above 1 GHz, the table height is 1.5 m.
2) The turn table shall be rotated for 360 degrees to determine the position of maximum emission level.
3) EUT is set 1 m or 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
4) Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5) And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6) Repeat above procedures until the measurements for all frequencies are complete.

Radiated spurious emission measured using following Measurement Procedure of KDB 789033 D02v02r01

► **General Requirements for Unwanted Emissions Measurements**

The following requirements apply to all unwanted emissions measurements, both in and outside of the restricted bands:

- EUT Duty Cycle

(1) The EUT shall be configured or modified to transmit continuously except as stated in (ii), below. The intent is to test at 100 percent duty cycle; however a small reduction in duty cycle (to no lower than 98 percent) is permitted if required by the EUT for amplitude control purposes. Manufacturers are expected to provide software to the test lab to permit such continuous operation.

(2) If continuous transmission (or at least 98 percent duty cycle) cannot be achieved due to hardware limitations of the EUT (e.g., overheating), the following additions to the measurement and reporting procedures are required:

- The EUT shall be configured to operate at the maximum achievable duty cycle.
- Measure the duty cycle, x, of the transmitter output signal.
- Adjustments to measurement procedures (e.g., increasing test time and number of traces averaged) shall be performed as described in the procedures below.
- The test report shall include the following additional information:
  - The reason for the duty cycle limitation.
  - The duty cycle achieved for testing and the associated transmit duration and interval between transmissions.
  - The sweep time and the amount of time used for trace stabilization during max-hold measurements for peak emission measurements.

(3) Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

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► **Measurements below 1000 MHz**

a) Follow the requirements in section II.G.3, “General Requirements for Unwanted Emissions Measurements”.

b) Compliance shall be demonstrated using CISPR quasi-peak detection; however, peak detection is permitted as an alternative to quasi-peak detection.

► **Measurements above 1000 MHz (Peak)**

a) Follow the requirements in section II.G.3, “General Requirements for Unwanted Emissions Measurements”.

b) Peak emission levels are measured by setting the analyzer as follows:

(i) RBW = 1 MHz.
(ii) VBW ≥ 3 MHz.
(iii) Detector = Peak.
(iv) Sweep time = Auto.
(v) Trace mode = Max hold.
(vi) Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately 1/x, where x is the duty cycle. For example, at 50 percent duty cycle, the measurement time will increase by a factor of two relative to measurement time for continuous transmission.

► **Measurements above 1000 MHz (Method AD)**

(i) RBW = 1 MHz.
(ii) VBW ≥ 3 MHz.
(iii) Detector = RMS, if span / (# of points in sweep) ≤ RBW / 2. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, the detector mode shall be set to peak.
(iv) Averaging type = power (i.e., RMS)
• As an alternative, the detector and averaging type may be set for linear voltage averaging. Some analyzers require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
(v) Sweep time = Auto.
(vi) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, the number of traces shall be increased by a factor of 1/x, where x is the duty cycle. For example, with 50 percent duty cycle, at least 200 traces shall be averaged.
(vii) If tests are performed with the EUT transmitting at a duty cycle less than 98 percent, a correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
• If power averaging (RMS) mode was used in step (iv) above, the correction factor is 10 log(1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50 percent, then 3 dB must be added to the measured emission levels.
• If linear voltage averaging mode was used in step (iv) above, the correction factor is 20 log (1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50 percent, then 6 dB must be added to the measured emission levels.
• If a specific emission is demonstrated to be continuous (100 percent duty cycle) rather than turning on and off with the transmit cycle, no duty cycle correction is required for that emission.

Note: If emissions within a restricted band or within 2 MHz of an authorized band edge exceeded the limit or were close to the limit, the integration method(for average emissions) or marker-delta method(for peak emissions) was used for the measurement.

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▣ Test Results

Test Notes

1. The radiated emissions were investigated 9 kHz to 40 GHz. And no other spurious and harmonic emissions were found below listed frequencies.
2. Information of Distance Correction Factor
   For finding emissions, measurements may be performed at a distance closer than that specified in the regulations.
   In this case, the distance factor is applied to the result.
   - Calculation of distance correction factor
   At frequencies below 30 MHz = 40 log(tested distance / specified distance)
   At frequencies at or above 30 MHz = 20 log(tested distance / specified distance)
   When distance factor is “N/A”, the measurements were performed at the specified distance and distance factor is not applied.
3. Sample Calculation.
   Margin = Limit – Result / Result = Reading + TF+ DCCF + DCF / TF = AF + CL + HL + AL – AG
   Where, TF = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain, HL = High pass filter Loss, AL = Attenuator Loss,
   DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor
   Please refer to the appendix II for duty cycle correction factor.
4. The limit is converted to field strength.
   E(dBuV/m) = EIRP(dBm) + 95.2 dB = -27 dBm + 95.2 = 68.2 dBuV/m (Average)

Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : *6ID & MIMO(CDD) & 802.11ax(HE20)*

Band	Tested Frequency (MHz)	Tone	RU	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	TF (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 5	5955	26T	0	5 901.69	H	X	PK	49.62	4.31	N/A	N/A	53.93	88.20	34.27
		26T	0	5 902.42	H	X	AV	38.22	4.32	0.54	N/A	43.08	68.20	25.12
		242T	61	5 897.01	H	X	PK	49.36	4.24	N/A	N/A	53.60	88.20	34.60
		242T	61	5 897.31	H	X	AV	38.73	4.25	0.79	N/A	43.77	68.20	24.43
		SU	-	5 897.42	H	X	PK	48.83	4.25	N/A	N/A	53.08	88.20	35.12
		SU	-	5 897.36	H	X	AV	38.70	4.25	2.25	N/A	45.20	68.20	23.00
		26T	4	11 909.81	H	X	PK	45.25	9.76	N/A	N/A	55.01	74.00	18.99
		26T	4	11 909.62	H	X	AV	34.98	9.76	0.54	N/A	45.28	54.00	8.72
		242T	61	11 909.27	H	X	PK	44.86	9.76	N/A	N/A	54.62	74.00	19.38
		242T	61	11 909.29	H	X	AV	34.82	9.76	0.79	N/A	45.37	54.00	8.63
	6175	26T	4	12 350.13	H	X	PK	44.78	10.08	N/A	N/A	54.86	74.00	19.14
		26T	4	12 350.02	H	X	AV	34.77	10.08	0.54	N/A	45.39	54.00	8.61
		242T	61	12 349.20	H	X	PK	45.27	10.08	N/A	N/A	55.35	74.00	18.65
		242T	61	12 349.24	H	X	AV	34.97	10.08	0.79	N/A	45.84	54.00	8.16
	6415	26T	4	12 829.86	H	X	PK	44.91	9.97	N/A	N/A	54.88	88.20	33.32
		26T	4	12 829.93	H	X	AV	34.62	9.97	0.54	N/A	45.13	68.20	23.07
		242T	61	12 829.70	H	X	PK	44.69	9.97	N/A	N/A	54.66	88.20	33.54
		242T	61	12 829.61	H	X	AV	34.82	9.97	0.79	N/A	45.58	68.20	22.62
U-NII 6	6435	26T	4	12 870.15	H	X	PK	45.97	9.96	N/A	N/A	55.93	88.20	32.27
		26T	4	12 870.37	H	X	AV	35.04	9.96	0.54	N/A	45.54	68.20	22.66
		242T	61	12 870.30	H	X	PK	45.88	9.96	N/A	N/A	55.84	88.20	32.36
		242T	61	12 870.72	H	X	AV	35.05	9.96	0.79	N/A	45.80	68.20	22.40
	6475	26T	4	12 950.30	H	X	PK	44.96	9.83	N/A	N/A	54.79	88.20	33.41
		26T	4	12 950.63	H	X	AV	34.79	9.83	0.54	N/A	45.16	68.20	23.04
		242T	61	12 950.24	H	X	PK	44.86	9.83	N/A	N/A	54.69	88.20	33.51
		242T	61	12 950.25	H	X	AV	34.91	9.83	0.79	N/A	45.53	68.20	22.67
	6515	26T	4	13 029.75	H	X	PK	46.98	9.75	N/A	N/A	56.73	88.20	31.47
		26T	4	13 029.69	H	X	AV	35.12	9.75	0.54	N/A	45.41	68.20	22.79
		242T	61	13 030.67	H	X	PK	46.06	9.75	N/A	N/A	55.81	88.20	32.39
		242T	61	13 030.07	H	X	AV	35.31	9.75	0.79	N/A	45.85	68.20	22.35

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Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : *6ID & MIMO(CDD) & 802.11ax(HE20)*

Band	Tested Frequency (MHz)	Tone	RU	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	TF (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 7	6535	26T	4	13 070.04	H	X	PK	45.59	9.72	N/A	N/A	55.31	88.20	32.89
		26T	4	13 070.98	H	X	AV	35.29	9.72	0.54	N/A	45.55	68.20	22.65
		242T	61	13 070.41	H	X	PK	46.10	9.72	N/A	N/A	55.82	88.20	32.38
		242T	61	13 070.73	H	X	AV	35.35	9.72	0.79	N/A	45.86	68.20	22.34
	6695	26T	4	13 389.76	H	X	PK	44.97	10.03	N/A	N/A	55.00	74.00	19.00
		26T	4	13 389.70	H	X	AV	35.06	10.03	0.54	N/A	45.63	54.00	8.37
		242T	61	13 389.40	H	X	PK	45.57	10.03	N/A	N/A	55.60	74.00	18.40
		242T	61	13 389.75	H	X	AV	34.91	10.03	0.79	N/A	45.73	54.00	8.27
	6855	26T	4	13 710.05	H	X	PK	45.32	9.81	N/A	N/A	55.13	88.20	33.07
		26T	4	13 710.29	H	X	AV	35.38	9.81	0.54	N/A	45.73	68.20	22.47
		242T	61	13 709.09	H	X	PK	45.97	9.81	N/A	N/A	55.78	88.20	32.42
		242T	61	13 709.15	H	X	AV	35.24	9.81	0.79	N/A	45.84	68.20	22.36

Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : *6ID & MIMO(CDD) & 802.11ax(HE20)*

Band	Tested Frequency (MHz)	Tone	RU	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	TF (dB/m)	DCCF (dB)	DCF (dB)	Delta (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 8	6875	26T	4	13 750.80	H	X	PK	45.90	9.88	N/A	N/A	N/A	55.78	88.20	32.42
		26T	4	13 750.94	H	X	AV	35.49	9.88	0.54	N/A	N/A	45.91	68.20	22.29
		242T	61	13 750.27	H	X	PK	45.91	9.88	N/A	N/A	N/A	55.79	88.20	32.41
		242T	61	13 750.30	H	X	AV	35.35	9.88	0.79	N/A	N/A	46.02	68.20	22.18
	6995	26T	4	13 989.42	H	X	PK	46.14	10.22	N/A	N/A	N/A	56.36	88.20	31.84
		26T	4	13 989.21	H	X	AV	35.12	10.22	0.54	N/A	N/A	45.88	68.20	22.32
		242T	61	13 990.85	H	X	PK	45.75	10.22	N/A	N/A	N/A	55.97	88.20	32.23
		242T	61	13 990.68	H	X	AV	35.15	10.22	0.79	N/A	N/A	46.16	68.20	22.04
	7115	*26T	8	7 125.03	H	X	PK	(7123.90MHz) 97.10	6.97	N/A	N/A	20.68	83.39	88.20	4.81
		26T	8	7 125.50	H	X	AV	56.84	6.98	0.54	N/A	N/A	64.36	68.20	3.84
		*242T	61	7 125.10	H	X	PK	(7121.26MHz) 94.19	6.94	N/A	N/A	21.98	79.15	88.20	9.05
		242T	61	7 125.50	H	X	AV	55.40	6.98	0.79	N/A	N/A	63.17	68.20	5.03
		*SU	-	7125.43	H	X	PK	(7121.80MHz) 93.15	6.95	N/A	N/A	18.17	81.93	88.20	6.27
		SU	-	7 125.50	H	X	AV	53.89	6.98	2.25	N/A	N/A	63.12	68.20	5.08
		26T	4	14 230.13	H	X	PK	46.22	10.67	N/A	N/A	N/A	56.89	88.20	31.31
		26T	4	14 230.61	H	X	AV	34.97	10.67	0.54	N/A	N/A	46.18	68.20	22.02
		242T	61	14 229.55	H	X	PK	45.09	10.66	N/A	N/A	N/A	55.75	88.20	32.45
		242T	61	14 229.23	H	X	AV	35.04	10.66	0.79	N/A	N/A	46.49	68.20	21.71

Note 1. * was measured using the marker-delta method.

Note 2. Sample Calculation.

Margin = Limit – Result / Result = Reading + TF+ DCCF + DCF - Delta / TF = AF + CL + HL + AL – AG

Where, TF = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain, HL = High pass filter Loss, AL = Attenuator Loss, DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor

Delta = Field strength of fundamental measured with a 100 kHz RBW – Band edge field strength with a 100 kHz RBW

Please refer to the appendix II for duty cycle correction factor.

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Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : *6ID & MIMO(CDD) & 802.11ax(HE40)*

Band	Tested Frequency (MHz)	Tone	RU	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	TF (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 5	5965	26T	0	5 899.04	H	X	PK	48.50	4.27	N/A	N/A	52.77	88.20	35.43
		26T	0	5 898.48	H	X	AV	38.49	4.27	0.51	N/A	43.27	68.20	24.93
		484T	65	5 923.95	H	X	PK	50.03	4.56	N/A	N/A	54.59	88.20	33.61
		484T	65	5 924.75	H	X	AV	39.69	4.57	0.88	N/A	45.14	68.20	23.06
		SU	-	5 900.86	H	X	PK	50.08	4.30	N/A	N/A	54.38	88.20	33.82
		SU	-	5 901.13	H	X	AV	39.10	4.30	2.33	N/A	45.73	68.20	22.47
		26T	8	11 929.50	H	X	PK	44.89	9.80	N/A	N/A	54.69	74.00	19.31
		26T	8	11 929.66	H	X	AV	34.47	9.80	0.51	N/A	44.78	54.00	9.22
		484T	65	11 929.67	H	X	PK	44.52	9.80	N/A	N/A	54.32	74.00	19.68
		484T	65	11 929.97	H	X	AV	34.52	9.80	0.88	N/A	45.20	54.00	8.80
	6165	26T	8	12 328.93	H	X	PK	44.79	10.07	N/A	N/A	54.86	74.00	19.14
		26T	8	12 329.18	H	X	AV	34.54	10.07	0.51	N/A	45.12	54.00	8.88
		484T	65	12 329.12	H	X	PK	44.99	10.07	N/A	N/A	55.06	74.00	18.94
		484T	65	12 329.54	H	X	AV	34.82	10.07	0.88	N/A	45.77	54.00	8.23
	6405	26T	8	12 810.59	H	X	PK	44.47	9.99	N/A	N/A	54.46	88.20	33.74
		26T	8	12 810.47	H	X	AV	33.93	9.99	0.51	N/A	44.43	68.20	23.77
		484T	65	12 810.42	H	X	PK	44.35	9.99	N/A	N/A	54.34	88.20	33.86
		484T	65	12 810.10	H	X	AV	34.17	9.99	0.88	N/A	45.04	68.20	23.16
U-NII 6	6445	26T	8	12 890.99	H	X	PK	45.80	9.98	N/A	N/A	55.78	88.20	32.42
		26T	8	12 890.31	H	X	AV	34.77	9.98	0.51	N/A	45.26	68.20	22.94
		484T	65	12 890.13	H	X	PK	44.93	9.98	N/A	N/A	54.91	88.20	33.29
		484T	65	12 980.15	H	X	AV	34.93	9.80	0.88	N/A	45.61	68.20	22.59
	6485	26T	8	12 969.95	H	X	PK	45.44	9.81	N/A	N/A	55.25	88.20	32.95
		26T	8	12 969.23	H	X	AV	35.28	9.81	0.51	N/A	45.60	68.20	22.60
		484T	65	12 970.65	H	X	PK	45.35	9.81	N/A	N/A	55.16	88.20	33.04
		484T	65	12 970.20	H	X	AV	35.12	9.81	0.88	N/A	45.81	68.20	22.39
	6525	26T	8	13 050.40	H	X	PK	45.70	9.73	N/A	N/A	55.43	88.20	32.77
		26T	8	13 050.78	H	X	AV	35.22	9.73	0.51	N/A	45.46	68.20	22.74
		484T	65	13 049.42	H	X	PK	45.52	9.74	N/A	N/A	55.26	88.20	32.94
		484T	65	13 049.54	H	X	AV	34.93	9.74	0.88	N/A	45.55	68.20	22.65

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Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : *6ID & MIMO(CDD) & 802.11ax(HE40)*

Band	Tested Frequency (MHz)	Tone	RU	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	TF (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 7	6565	26T	8	13 129.73	H	X	PK	45.32	9.72	N/A	N/A	55.04	88.20	33.16
		26T	8	13 129.40	H	X	AV	35.20	9.72	0.51	N/A	45.43	68.20	22.77
		484T	65	13 130.67	H	X	PK	45.91	9.72	N/A	N/A	55.63	88.20	32.57
		484T	65	13 130.85	H	X	AV	35.06	9.72	0.88	N/A	45.66	68.20	22.54
	6685	26T	8	13 370.62	H	X	PK	44.78	10.05	N/A	N/A	54.83	74.00	19.17
		26T	8	13 370.02	H	X	AV	34.04	10.05	0.51	N/A	44.60	54.00	9.40
		484T	65	13 369.86	H	X	PK	44.66	10.05	N/A	N/A	54.71	74.00	19.29
		484T	65	13 369.56	H	X	AV	34.07	10.05	0.88	N/A	45.00	54.00	9.00
	6845	26T	8	13 689.78	H	X	PK	45.20	9.80	N/A	N/A	55.00	88.20	33.20
		26T	8	13 689.90	H	X	AV	35.18	9.80	0.51	N/A	45.49	68.20	22.71
		484T	65	13 690.83	H	X	PK	46.29	9.80	N/A	N/A	56.09	88.20	32.11
		484T	65	13 690.12	H	X	AV	35.26	9.80	0.88	N/A	45.94	68.20	22.26
U-NII 8	6885	26T	8	13 769.20	H	X	PK	46.45	9.88	N/A	N/A	56.33	88.20	31.87
		26T	8	13 769.34	H	X	AV	35.21	9.88	0.51	N/A	45.60	68.20	22.60
		484T	65	13 769.77	H	X	PK	46.22	9.88	N/A	N/A	56.10	88.20	32.10
		484T	65	13 769.33	H	X	AV	35.34	9.88	0.88	N/A	46.10	68.20	22.10
	7005	26T	8	14 009.84	H	X	PK	45.67	10.25	N/A	N/A	55.92	88.20	32.28
		26T	8	14 009.45	H	X	AV	35.27	10.25	0.51	N/A	46.03	68.20	22.17
		484T	65	14 010.11	H	X	PK	46.10	10.25	N/A	N/A	56.35	88.20	31.85
		484T	65	14 010.27	H	X	AV	35.27	10.25	0.88	N/A	46.40	68.20	21.80
	7085	26T	17	7 131.16	H	X	PK	48.38	7.02	N/A	N/A	55.40	88.20	32.80
		26T	17	7 131.31	H	X	AV	37.40	7.02	0.51	N/A	44.93	68.20	23.27
		26T	17	7 277.26	H	X	PK	46.68	7.59	N/A	N/A	54.27	74.00	19.73
		26T	17	7 277.50	H	X	AV	36.59	7.59	0.51	N/A	44.69	54.00	9.31
		484T	65	7 129.84	H	X	PK	50.17	7.01	N/A	N/A	57.18	88.20	31.02
		484T	65	7 129.26	H	X	AV	38.69	7.01	0.88	N/A	46.58	68.20	21.62
		484T	65	7 251.83	H	X	PK	46.88	7.65	N/A	N/A	54.53	74.00	19.47
		484T	65	7 251.76	H	X	AV	36.68	7.65	0.88	N/A	45.21	54.00	8.79
		SU	-	7 134.23	H	X	PK	48.97	7.05	N/A	N/A	56.02	88.20	32.18
		SU	-	7 133.74	H	X	AV	38.82	7.04	2.33	N/A	48.19	68.20	20.01
		SU	-	7 254.68	H	X	PK	46.61	7.67	N/A	N/A	54.28	74.00	19.72
		SU	-	7 255.47	H	X	AV	36.30	7.67	2.33	N/A	46.30	54.00	7.70
		26T	8	14 170.41	H	X	PK	45.87	10.55	N/A	N/A	56.42	88.20	31.78
		26T	8	14 170.05	H	X	AV	35.20	10.55	0.51	N/A	46.26	68.20	21.94
		484T	65	14 169.69	H	X	PK	45.31	10.55	N/A	N/A	55.86	88.20	32.34
		484T	65	14 169.43	H	X	AV	35.12	10.54	0.88	N/A	46.54	68.20	21.66

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Radiated Spurious Emissions data(9 kHz ~ 40 GHz) : *6ID & & MIMO(CDD) & 802.11ax(HE80)*

Band	Tested Frequency (MHz)	Tone	RU	Freq. (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	TF (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
U-NII 5	5985	26T	0	5 900.16	H	X	PK	48.79	4.29	N/A	N/A	53.08	88.20	35.12
		26T	0	5 899.86	H	X	AV	38.40	4.29	0.51	N/A	43.20	68.20	25.00
		996T	67	5 924.61	H	X	PK	51.96	4.57	N/A	N/A	56.53	88.20	31.67
		996T	67	5 924.83	H	X	AV	40.91	4.57	1.12	N/A	46.60	68.20	21.60
		SU	-	5 924.52	H	X	PK	51.95	4.57	N/A	N/A	56.52	88.20	31.68
		SU	-	5 924.85	H	X	AV	41.21	4.57	2.47	N/A	48.25	68.20	19.95
		26T	18	11 969.92	H	X	PK	44.95	9.81	N/A	N/A	54.76	74.00	19.24
		26T	18	11 969.64	H	X	AV	34.59	9.81	0.51	N/A	44.91	54.00	9.09
		996T	67	11 970.31	H	X	PK	45.18	9.81	N/A	N/A	54.99	74.00	19.01
		996T	67	11 970.60	H	X	AV	34.55	9.81	1.12	N/A	45.48	54.00	8.52
	6145	26T	18	12 289.98	H	X	PK	45.19	10.06	N/A	N/A	55.25	74.00	18.75
		26T	18	12 289.36	H	X	AV	34.56	10.06	0.51	N/A	45.13	54.00	8.87
		996T	65	12 289.61	H	X	PK	45.64	10.06	N/A	N/A	55.70	74.00	18.30
		996T	65	12 289.35	H	X	AV	34.35	10.06	1.12	N/A	45.53	54.00	8.47
	6385	26T	0	12 694.45	H	X	PK	45.58	10.12	N/A	N/A	55.70	74.00	18.30
		26T	0	12 694.24	H	X	AV	34.82	10.12	0.51	N/A	45.45	54.00	8.55
		996T	65	12 770.33	H	X	PK	44.57	10.03	N/A	N/A	54.60	88.20	33.60
		996T	65	12 770.90	H	X	AV	34.43	10.03	1.12	N/A	45.58	68.20	22.62
U-NII 6	6465	26T	18	12 929.98	H	X	PK	45.46	9.90	N/A	N/A	55.36	88.20	32.84
		26T	18	12 929.40	H	X	AV	34.92	9.90	0.51	N/A	45.33	68.20	22.87
		996T	67	12 929.26	H	X	PK	45.84	9.90	N/A	N/A	55.74	88.20	32.46
		996T	67	12 929.86	H	X	AV	34.97	9.90	1.12	N/A	45.99	68.20	22.21
U-NII 7	6545	26T	18	13 090.77	H	X	PK	45.30	9.70	N/A	N/A	55.00	88.20	33.20
		26T	18	13 090.36	H	X	AV	35.52	9.70	0.51	N/A	45.73	68.20	22.47
		996T	67	13 090.38	H	X	PK	45.18	9.70	N/A	N/A	54.88	88.20	33.32
		996T	67	13 090.13	H	X	AV	35.24	9.70	1.12	N/A	46.06	68.20	22.14
	6705	26T	0	13 334.74	H	X	PK	46.38	10.05	N/A	N/A	56.43	74.00	17.57
		26T	0	13 334.11	H	X	AV	35.09	10.05	0.51	N/A	45.65	54.00	8.35
		996T	65	13 409.81	H	X	PK	45.69	10.01	N/A	N/A	55.70	88.20	32.50
		996T	65	13 409.13	H	X	AV	35.56	10.01	1.12	N/A	46.69	68.20	21.51
	6865	26T	18	13 730.59	H	X	PK	46.61	9.85	N/A	N/A	56.46	88.20	31.74
		26T	18	13 730.31	H	X	AV	35.37	9.85	0.51	N/A	45.73	68.20	22.47
		996T	65	13 729.02	H	X	PK	45.55	9.85	N/A	N/A	55.40	88.20	32.80
		996T	65	13 728.99	H	X	AV	35.47	9.85	1.12	N/A	46.44	68.20	21.76
U-NII 8	6945	26T	18	13 890.08	H	X	PK	46.29	10.04	N/A	N/A	56.33	88.20	31.87
		26T	18	13 890.14	H	X	AV	35.47	10.04	0.51	N/A	46.02	68.20	22.18
		996T	67	13 888.93	H	X	PK	45.70	10.04	N/A	N/A	55.74	88.20	32.46
		996T	67	13 889.29	H	X	AV	35.48	10.04	1.12	N/A	46.64	68.20	21.56
	7025	26T	36	7 135.23	H	X	PK	48.04	7.05	N/A	N/A	55.09	88.20	33.11
		26T	36	7 135.05	H	X	AV	38.03	7.05	0.51	N/A	45.59	68.20	22.61
		26T	36	7 276.66	H	X	PK	47.08	7.60	N/A	N/A	54.68	74.00	19.32
		26T	36	7 277.08	H	X	AV	36.70	7.59	0.51	N/A	44.80	54.00	9.20
		996T	67	7 130.97	H	X	PK	48.75	7.02	N/A	N/A	55.77	88.20	32.43
		996T	67	7 130.79	H	X	AV	38.39	7.02	1.12	N/A	46.53	68.20	21.67
		996T	67	7 252.73	H	X	PK	46.81	7.66	N/A	N/A	54.47	74.00	19.53
		996T	67	7 252.74	H	X	AV	36.43	7.66	1.12	N/A	45.21	54.00	8.79
		SU	-	7 133.01	H	X	PK	48.01	7.04	N/A	N/A	55.05	88.20	33.15
		SU	-	7 133.55	H	X	AV	37.95	7.04	2.47	N/A	47.46	68.20	20.74
		SU	-	7 251.46	H	X	PK	47.03	7.65	N/A	N/A	54.68	74.00	19.32
		SU	-	7 251.46	H	X	AV	36.42	7.65	2.47	N/A	46.54	54.00	7.46
		26T	18	14 049.62	H	X	PK	45.86	10.29	N/A	N/A	56.15	88.20	32.05
		26T	18	14 049.99	H	X	AV	35.37	10.29	0.51	N/A	46.17	68.20	22.03
		996T	65	14 049.31	H	X	PK	45.69	10.29	N/A	N/A	55.98	88.20	32.22
		996T	65	14 049.01	H	X	AV	35.43	10.29	1.12	N/A	46.84	68.20	21.36

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5.7. AC Power-Line Conducted Emissions

▣ Test Requirements, §15.207 & RSS-Gen[8.8]

An intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 uH/50 ohm line impedance stabilization network (LISN).

Compliance with the provision of this paragraph shall on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower applies at the boundary between the frequency ranges.

Frequency Range (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15 ~ 0.5	66 to 56 *	56 to 46 *
0.5 ~ 5.0	56	46
5 ~ 30	60	50

* Decreases with the logarithm of the frequency

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

▣ Test Configuration

See test photographs for the actual connections between EUT and support equipment.

▣ Test Procedure

Conducted emissions from the EUT were measured according to the ANSI C63.10-2020.

1. The test procedure is performed in a 6.5 m × 3.5 m × 3.5 m (L × W × H) shielded room. The EUT along with its peripherals were placed on a 1.0 m (W) × 1.5 m (L) and 0.8 m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane.
2. The EUT was connected to power mains through a line impedance stabilization network (LISN) which provides 50 ohm coupling impedance for measuring instrument and the chassis ground was bounded to the horizontal ground plane of shielded room.
3. All peripherals were connected to the second LISN and the chassis ground also bounded to the horizontal ground plane of shielded room.
4. The excess power cable between the EUT and the LISN was bundled. The power cables of peripherals were unbundled. All connecting cables of EUT and peripherals were moved to find the maximum emission.

▣ Test Results: Comply

See next pages for actual measured spectrum plots and data for worst case result.

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AC Power-Line Conducted Emissions (Graph)

Test Mode: 6ID & U-NII 5 & 802.11ax(HE20) & MIMO(CDD) & 5955 MHz

Results of Conducted Emission

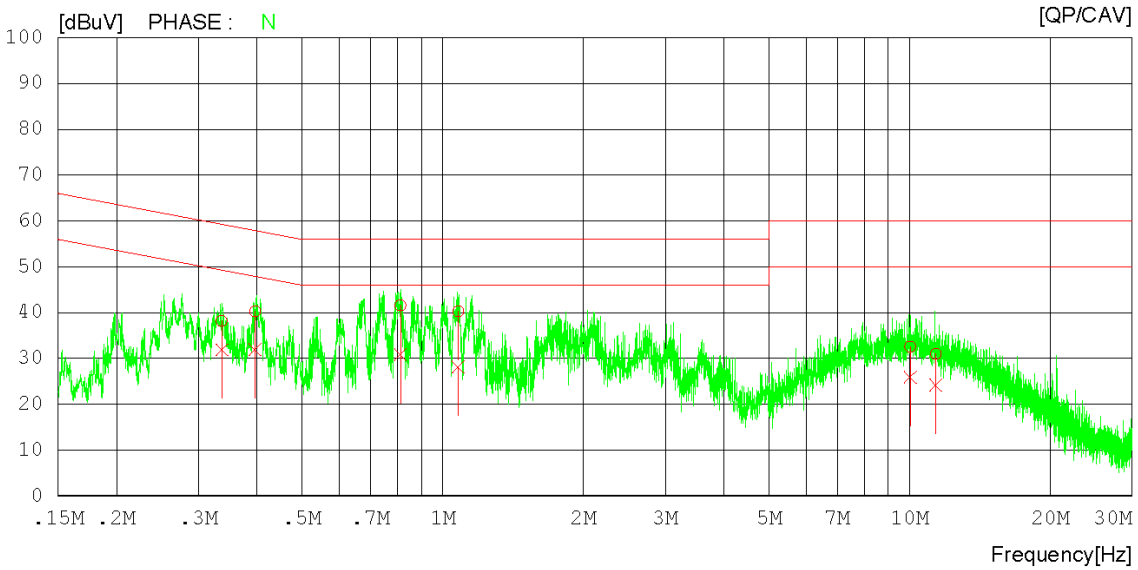
Date 2025-06-16

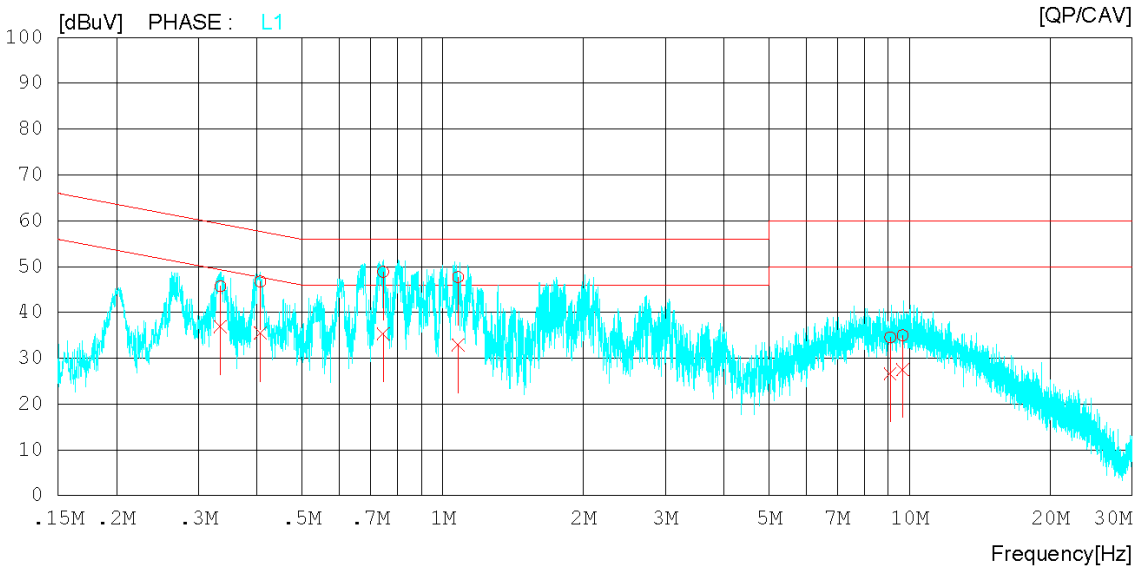
Order No.		Referrence No.	
Model No.	WC1NH25	Power Supply	120 V, 60 Hz
Serial No.		Temp/Humi.	23 'C / 41 %
Test Condition	UNII_5	Operator	S.M.GIL

Memo 802.11ax(HE20)_5955

LIMIT : FCC P15.207 AV
FCC P15.207 QP

Lisn Factor
1. NSLK 8128 RC-387_N_24.10.21
2. NSLK 8128 RC-387_L1_24.10.21
Cable Loss
1. C1_LISN TO RECEIVER_2024-12-11
Pulse Lmitter
1. PULSE LIMITER_ESH3-Z2_101333_2024.08.21





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AC Power-Line Conducted Emissions (Data List)

Test Mode: 6ID & U-NII 5 & 802.11ax(HE20) & MIMO(CDD) & 5955 MHz

Results of Conducted Emission

Date 2025-06-16

Order No.		Referrence No.	
Model No.	WC1NH25	Power Supply	120 V, 60 Hz
Serial No.		Temp/Humi.	23 'C / 41 %
Test Condition	UNII_5	Operator	S.M.GIL

Memo 802.11ax(HE20)_5955

LIMIT : FCC P15.207 AV
FCC P15.207 QP

Lisn Factor
1. NSLK 8128 RC-387_N_24.10.21
2. NSLK 8128 RC-387_L1_24.10.21
Cable Loss
1. C1_LISN TO RECEIVER_2024-12-11
Pulse Lmitter
1. PULSE LIMITER_ESH3-Z2_101333_2024.08.21

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.33625	28.14	21.84	10.02	38.16	31.86	59.30	49.30	21.14	17.44	N
2	0.39673	30.22	21.89	10.03	40.25	31.92	57.92	47.92	17.67	16.00	N
3	0.81165	31.50	20.77	10.05	41.55	30.82	56.00	46.00	14.45	15.18	N
4	1.07980	30.20	18.11	10.06	40.26	28.17	56.00	46.00	15.74	17.83	N
5	10.03800	22.17	15.51	10.35	32.52	25.86	60.00	50.00	27.48	24.14	N
6	11.38760	20.50	13.68	10.44	30.94	24.12	60.00	50.00	29.06	25.88	N
7	0.33424	35.66	26.88	10.02	45.68	36.90	59.35	49.35	13.67	12.45	L1
8	0.40706	36.74	25.48	10.03	46.77	35.51	57.71	47.71	10.94	12.20	L1
9	0.74548	38.82	25.34	10.05	48.87	35.39	56.00	46.00	7.13	10.61	L1
10	1.07900	37.63	22.90	10.06	47.69	32.96	56.00	46.00	8.31	13.04	L1
11	9.08700	24.15	16.24	10.40	34.55	26.64	60.00	50.00	25.45	23.36	L1
12	9.67060	24.56	17.15	10.44	35.00	27.59	60.00	50.00	25.01	22.41	L1

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AC Power-Line Conducted Emissions (Graph)

Test Mode: 6ID & U-NII 6 & 802.11ax(HE20) & MIMO(CDD) & 6435 MHz

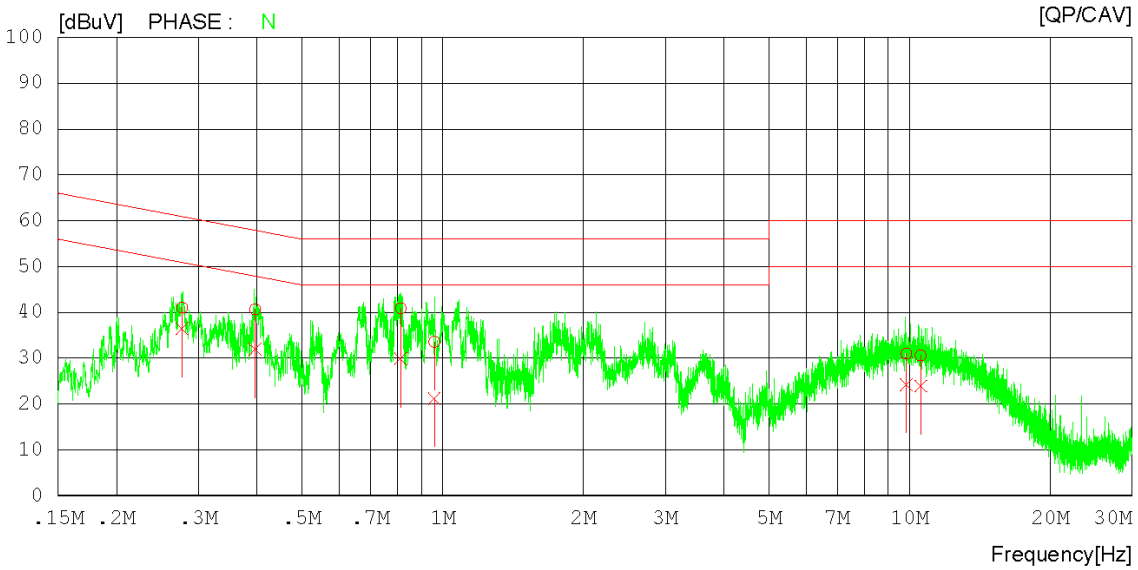
Results of Conducted Emission

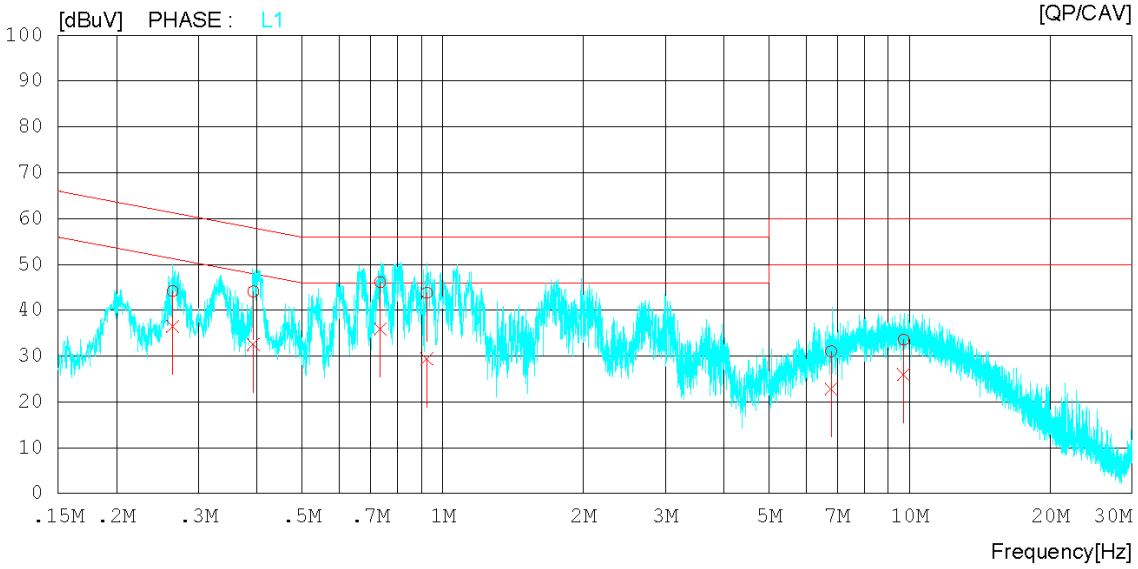
Date 2025-06-16

Order No.		Referrence No.	
Model No.	WC1NH25	Power Supply	120 V, 60 Hz
Serial No.		Temp/Humi.	23 'C / 41 %
Test Condition	UNII_6	Operator	S.M.GIL
Memo	802.11ax(HE20)_6435		

LIMIT : FCC P15.207 AV
FCC P15.207 QP

Lisn Factor
1. NSLK 8128 RC-387_N_24.10.21
2. NSLK 8128 RC-387_L1_24.10.21
Cable Loss
1. C1_LISN TO RECEIVER_2024-12-11
Pulse Lmitter
1. PULSE LIMITER_ESH3-Z2_101333_2024.08.21





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AC Power-Line Conducted Emissions (Data List)

Test Mode: 6ID & U-NII 6 & 802.11ax(HE20) & MIMO(CDD) & 6435 MHz

Results of Conducted Emission

Date 2025-06-16

Order No.		Referrence No.	
Model No.	WC1NH25	Power Supply	120 V, 60 Hz
Serial No.		Temp/Humi.	23 'C / 41 %
Test Condition	UNII_6	Operator	S.M.GIL

Memo 802.11ax(HE20)_6435

LIMIT : FCC P15.207 AV
FCC P15.207 QP

Lisn Factor
1. NSLK 8128 RC-387_N_24.10.21
2. NSLK 8128 RC-387_L1_24.10.21
Cable Loss
1. C1_LISN TO RECEIVER_2024-12-11
Pulse Lmitter
1. PULSE LIMITER_ESH3-Z2_101333_2024.08.21

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.27671	31.00	26.47	10.01	41.01	36.48	60.91	50.91	19.90	14.43	N
2	0.39645	30.60	21.91	10.03	40.63	31.94	57.93	47.93	17.30	15.99	N
3	0.81297	30.86	19.85	10.05	40.91	29.90	56.00	46.00	15.09	16.10	N
4	0.95903	23.48	11.17	10.06	33.54	21.23	56.00	46.00	22.46	24.77	N
5	9.84680	20.64	13.92	10.35	30.99	24.27	60.00	50.00	29.01	25.73	N
6	10.56520	20.17	13.54	10.38	30.55	23.92	60.00	50.00	29.45	26.08	N
7	0.26399	34.18	26.50	10.01	44.19	36.51	61.30	51.30	17.11	14.79	L1
8	0.39292	34.05	22.51	10.03	44.08	32.54	58.00	48.00	13.92	15.46	L1
9	0.73543	36.06	25.87	10.05	46.11	35.92	56.00	46.00	9.89	10.08	L1
10	0.92451	33.74	19.37	10.06	43.80	29.43	56.00	46.00	12.20	16.57	L1
11	6.79260	20.76	12.56	10.29	31.05	22.85	60.00	50.00	28.95	27.15	L1
12	9.72080	23.10	15.55	10.44	33.54	25.99	60.00	50.00	26.46	24.01	L1

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AC Power-Line Conducted Emissions (Graph)

Test Mode: 6ID & U-NII 7 & 802.11ax(HE20) & MIMO(CDD) & 6535 MHz

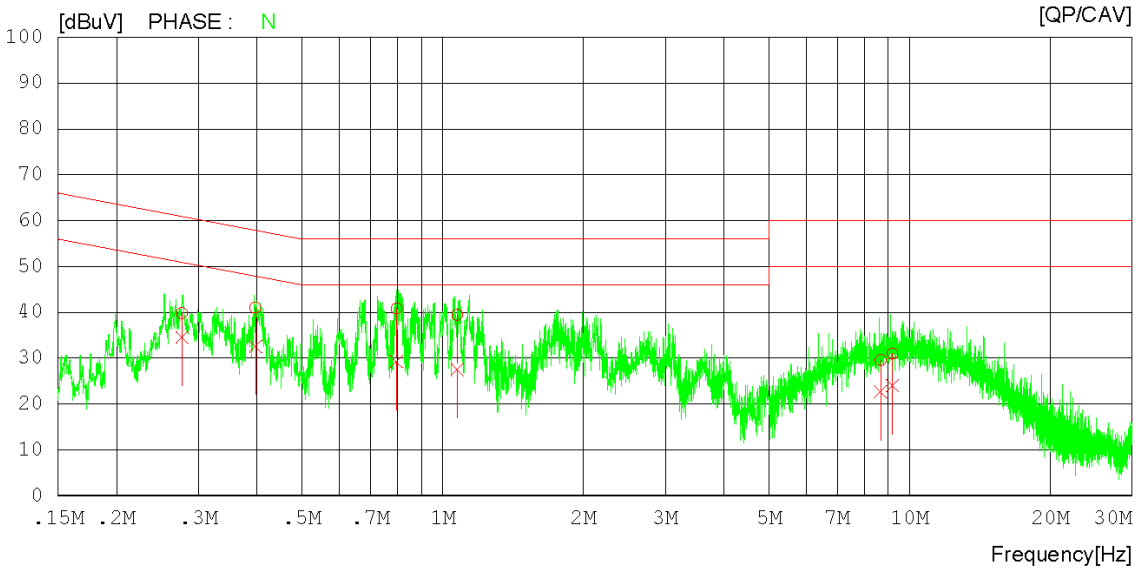
Results of Conducted Emission

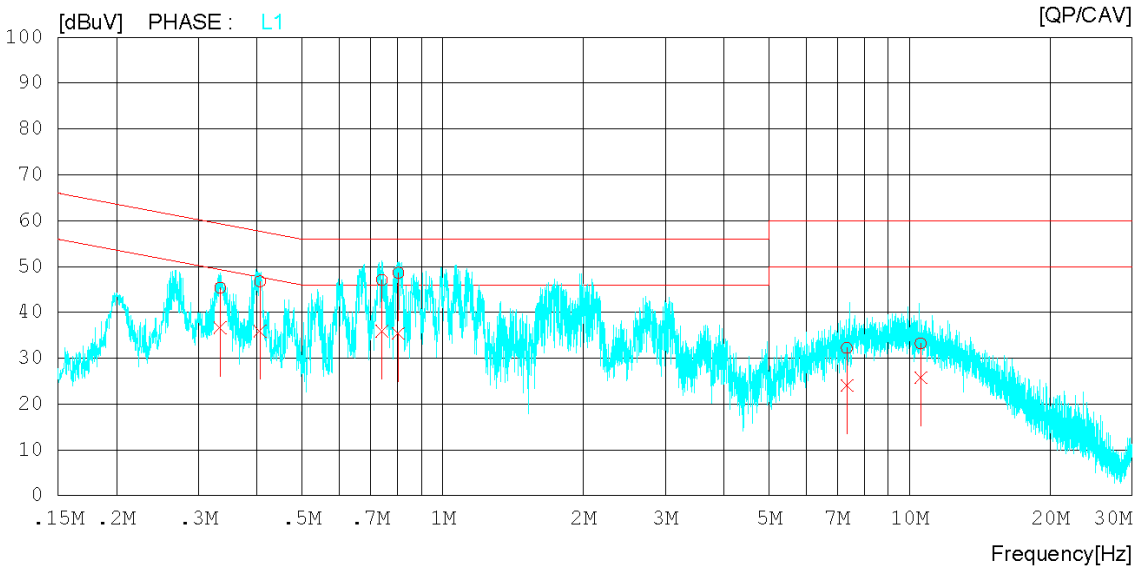
Date 2025-06-16

Order No.		Referrence No.	
Model No.	WC1NH25	Power Supply	120 V, 60 Hz
Serial No.		Temp/Humi.	23 'C / 41 %
Test Condition	UNII_7	Operator	S.M.GIL
Memo	802.11ax(HE20)_6535		

LIMIT : FCC P15.207 AV
FCC P15.207 QP

Lisn Factor
1. NSLK 8128 RC-387_N_24.10.21
2. NSLK 8128 RC-387_L1_24.10.21
Cable Loss
1. C1_LISN TO RECEIVER_2024-12-11
Pulse Lmitter
1. PULSE LIMITER_ESH3-Z2_101333_2024.08.21





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AC Power-Line Conducted Emissions (Data List)

Test Mode: 6ID & U-NII 7 & 802.11ax(HE20) & MIMO(CDD) & 6535 MHz

Results of Conducted Emission

Date 2025-06-16

Order No.		Referrence No.	
Model No.	WC1NH25	Power Supply	120 V, 60 Hz
Serial No.		Temp/Humi.	23 'C / 41 %
Test Condition	UNII_7	Operator	S.M.GIL

Memo 802.11ax(HE20)_6535

LIMIT : FCC P15.207 AV
FCC P15.207 QP

Lisn Factor
1. NSLK 8128 RC-387_N_24.10.21
2. NSLK 8128 RC-387_L1_24.10.21
Cable Loss
1. C1_LISN TO RECEIVER_2024-12-11
Pulse Lmitter
1. PULSE LIMITER_ESH3-Z2_101333_2024.08.21

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.27609	29.80	24.52	10.01	39.81	34.53	60.93	50.93	21.12	16.40	N
2	0.39721	31.00	22.51	10.03	41.03	32.54	57.91	47.91	16.88	15.37	N
3	0.79659	30.79	19.23	10.05	40.84	29.28	56.00	46.00	15.16	16.72	N
4	1.07400	29.36	17.42	10.06	39.42	27.48	56.00	46.00	16.58	18.52	N
5	8.66920	19.22	12.36	10.32	29.54	22.68	60.00	50.00	30.46	27.32	N
6	9.19720	20.64	13.66	10.33	30.97	23.99	60.00	50.00	29.03	26.01	N
7	0.33371	35.32	26.64	10.02	45.34	36.66	59.36	49.36	14.02	12.70	L1
8	0.40595	36.75	25.88	10.03	46.78	35.91	57.73	47.73	10.95	11.82	L1
9	0.74099	37.02	25.86	10.05	47.07	35.91	56.00	46.00	8.93	10.09	L1
10	0.80385	38.57	25.36	10.05	48.62	35.41	56.00	46.00	7.38	10.59	L1
11	7.34580	21.96	13.75	10.30	32.26	24.05	60.00	50.00	27.74	25.95	L1
12	10.57320	22.80	15.30	10.47	33.27	25.77	60.00	50.00	26.73	24.23	L1

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AC Power-Line Conducted Emissions (Graph)

Test Mode: 6ID & U-NII 8 & 802.11ax(HE20) & MIMO(CDD) & 6875 MHz

Results of Conducted Emission

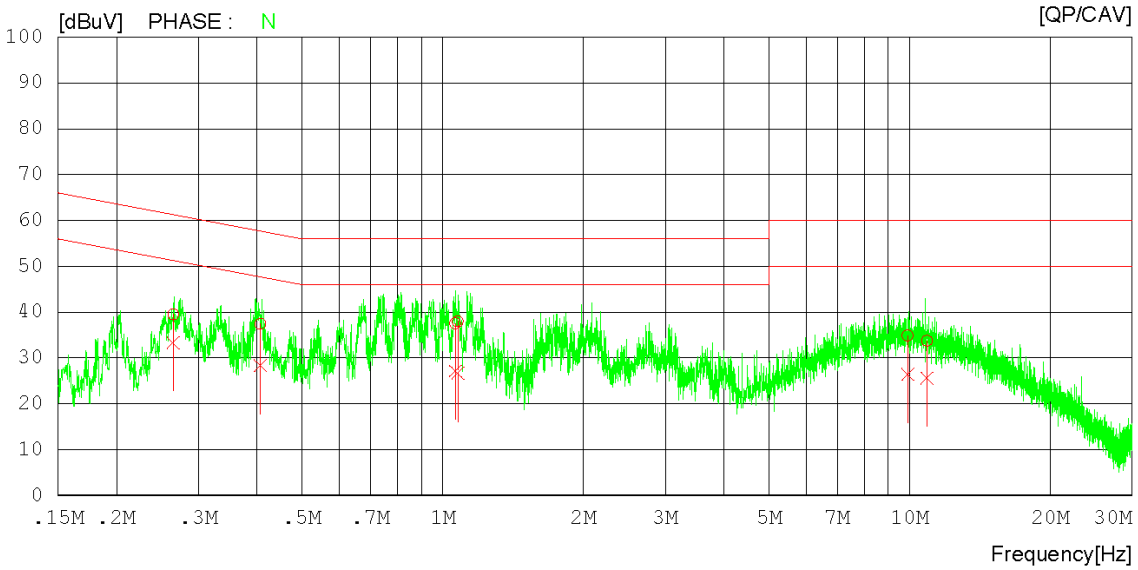
Date 2025-06-16

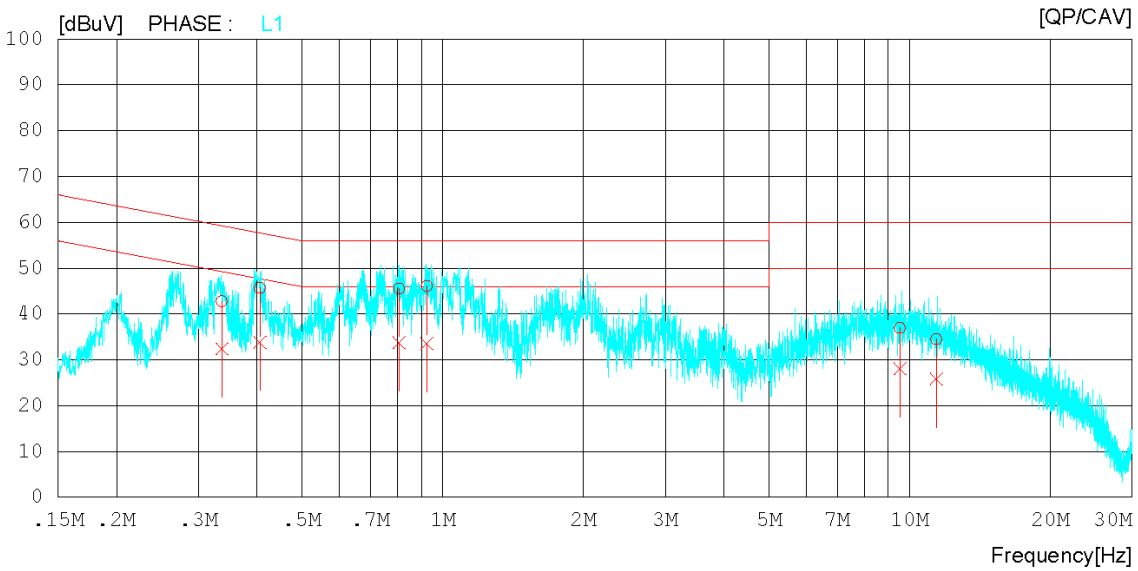
Order No.		Referrence No.	
Model No.	WC1NH25	Power Supply	120 V, 60 Hz
Serial No.		Temp/Humi.	23 'C / 41 %
Test Condition	UNII_8	Operator	S.M.GIL

Memo 802.11ax(HE20)_6875

LIMIT : FCC P15.207 AV
FCC P15.207 QP

Lisn Factor
1. NSLK 8128 RC-387_N_24.10.21
2. NSLK 8128 RC-387_L1_24.10.21
Cable Loss
1. C1_LISN TO RECEIVER_2024-12-11
Pulse Lmitter
1. PULSE LIMITER_ESH3-Z2_101333_2024.08.21





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AC Power-Line Conducted Emissions (Data List)

Test Mode: 6ID & U-NII 8 & 802.11ax(HE20) & MIMO(CDD) & 6875 MHz

Results of Conducted Emission

Date 2025-06-16

Order No.		Referrence No.	
Model No.	WC1NH25	Power Supply	120 V, 60 Hz
Serial No.		Temp/Humi.	23 'C / 41 %
Test Condition	UNII_8	Operator	S.M.GIL

Memo 802.11ax(HE20)_6875

LIMIT : FCC P15.207 AV
FCC P15.207 QP

Lisn Factor
1. NSLK 8128 RC-387_N_24.10.21
2. NSLK 8128 RC-387_L1_24.10.21
Cable Loss
1. C1_LISN TO RECEIVER_2024-12-11
Pulse Lmitter
1. PULSE LIMITER_ESH3-Z2_101333_2024.08.21

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.26472	29.48	23.30	10.01	39.49	33.31	61.28	51.28	21.79	17.97	N
2	0.40668	27.36	18.30	10.03	37.39	28.33	57.72	47.72	20.33	19.39	N
3	1.07740	27.92	16.57	10.06	37.98	26.63	56.00	46.00	18.02	19.37	N
4	1.06300	27.44	17.07	10.06	37.50	27.13	56.00	46.00	18.50	18.87	N
5	9.91160	24.51	16.10	10.35	34.86	26.45	60.00	50.00	25.14	23.55	N
6	10.89840	23.32	15.19	10.40	33.72	25.59	60.00	50.00	26.28	24.41	N
7	0.33635	32.76	22.37	10.02	42.78	32.39	59.29	49.29	16.51	16.90	L1
8	0.40584	35.64	23.80	10.03	45.67	33.83	57.73	47.73	12.06	13.90	L1
9	0.80578	35.52	23.69	10.05	45.57	33.74	56.00	46.00	10.43	12.26	L1
10	0.92439	36.05	23.50	10.06	46.11	33.56	56.00	46.00	9.89	12.44	L1
11	9.53340	26.58	17.65	10.42	37.00	28.07	60.00	50.00	23.00	21.93	L1
12	11.41200	24.01	15.30	10.51	34.52	25.81	60.00	50.00	25.48	24.19	L1

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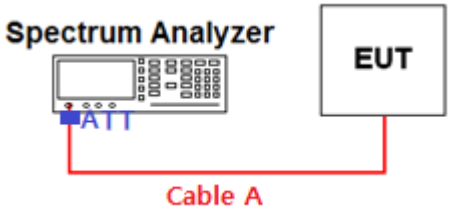
APPENDIX I

Conducted Test set up Diagram

▪ Conducted Measurement



APPENDIX II

Duty Cycle Information

▣ Test Procedure

Duty Cycle [X = On Time / (On + Off time)] is measured using Measurement Procedure **of KDB789033 D02v02r01**

1. Set the center frequency of the spectrum analyzer to the center frequency of the transmission.
2. Set RBW ≥ EBW if possible; otherwise, set RBW to the largest available value.
3. Set VBW ≥ RBW. Set detector = peak.
4. Note : The zero-span measurement method shall not be used unless both **RBW and VBW are > 50 / *T***, where *T* is defined in section II.B.1.a), and **the number of sweep points across duration *T* exceeds 100**. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if *T* ≤ 16.7 microseconds.)

T : The minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
(***T* = On time** of the above table since the EUT operates with above fixed Duty Cycle and it is the minimum On time)

Duty Cycle Correction factor

Test Mode	Tone	Date rate	Frequency (MHz)	T_{on}(ms)	T_{on+off} (ms)	x = T_{on} / (T_{on+off})	DCCF = 10 log(1/x) (dB)	1/T (kHz)
802.11ax(HE20)	26T	MCS 0	5 955	1.60	1.81	0.884	0.54	0.63
802.11ax(HE20)	52T	MCS 0	5 955	1.52	1.73	0.879	0.56	0.66
802.11ax(HE20)	106T	MCS 0	5 955	1.40	1.62	0.864	0.63	0.71
802.11ax(HE20)	242T	MCS 0	5 955	1.21	1.45	0.834	0.79	0.83
802.11ax(HE20)	SU	MCS 0	5 955	0.31	0.52	0.596	2.25	3.23
802.11ax(HE40)	26T	MCS 0	5 965	1.61	1.81	0.890	0.51	0.62
802.11ax(HE40)	52T	MCS 0	5 965	1.52	1.73	0.879	0.56	0.66
802.11ax(HE40)	106T	MCS 0	5 965	1.40	1.62	0.864	0.63	0.71
802.11ax(HE40)	242T	MCS 0	5 965	1.21	1.45	0.834	0.79	0.83
802.11ax(HE40)	484T	MCS 0	5 965	1.20	1.47	0.816	0.88	0.83
802.11ax(HE40)	SU	MCS 0	5 965	0.31	0.53	0.585	2.33	3.23
802.11ax(HE80)	26T	MCS 0	5 985	1.61	1.81	0.890	0.51	0.62
802.11ax(HE80)	52T	MCS 0	5 985	1.52	1.73	0.879	0.56	0.66
802.11ax(HE80)	106T	MCS 0	5 985	1.40	1.62	0.864	0.63	0.71
802.11ax(HE80)	242T	MCS 0	5 985	1.21	1.45	0.834	0.79	0.83
802.11ax(HE80)	484T	MCS 0	5 985	1.20	1.47	0.816	0.88	0.83
802.11ax(HE80)	996T	MCS 0	5 985	1.15	1.49	0.772	1.12	0.87
802.11ax(HE80)	SU	MCS 0	5 985	0.30	0.53	0.566	2.47	3.33

Note1: Where, T = Transmission duration / x = Duty cycle

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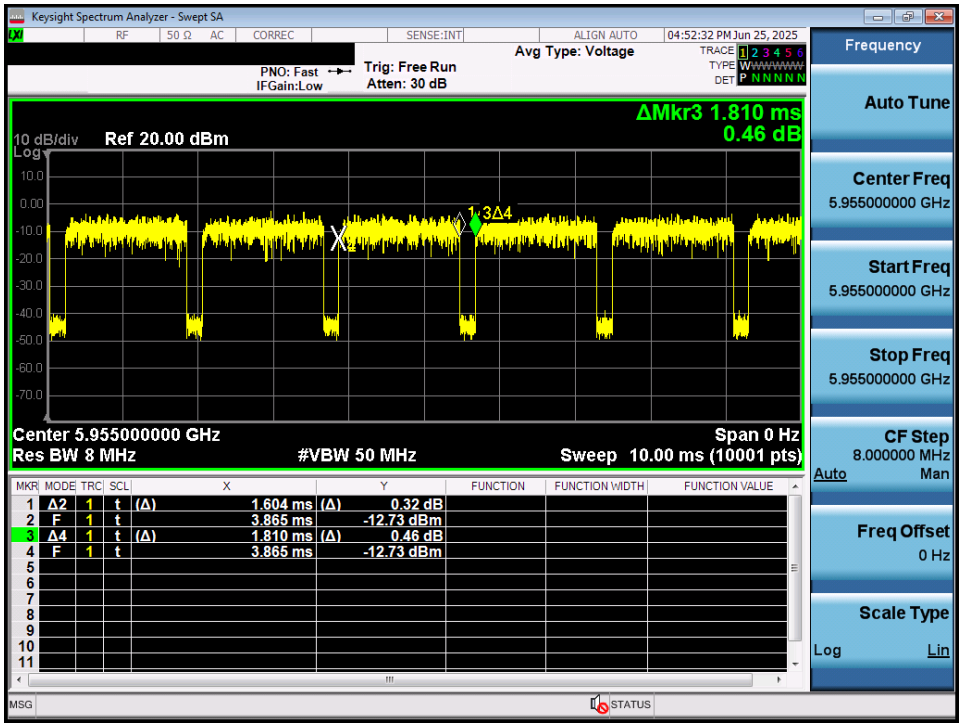
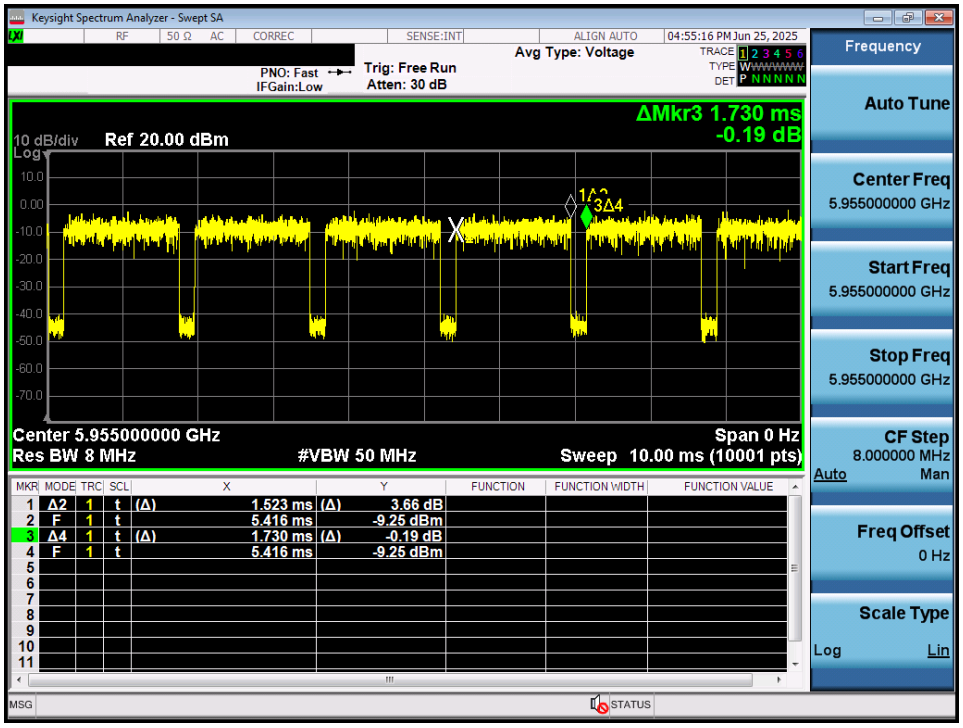
Duty Cycle Test Mode: 802.11ax(HE20) & 5955 MHz & 26T



Duty Cycle Test Mode: 802.11ax(HE20) & 5955 MHz & 52T



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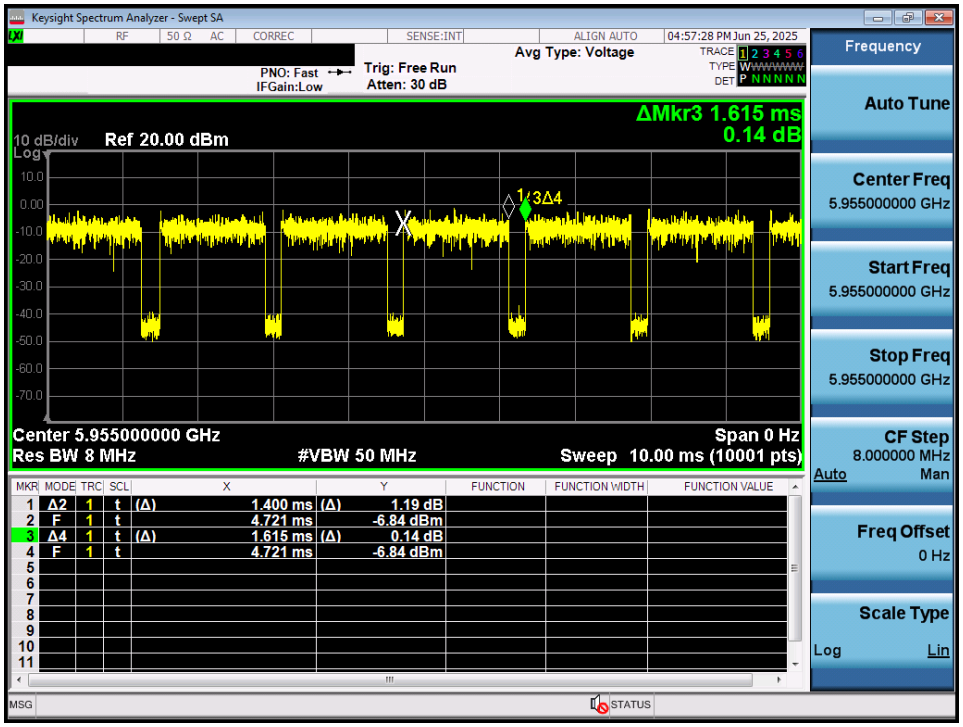
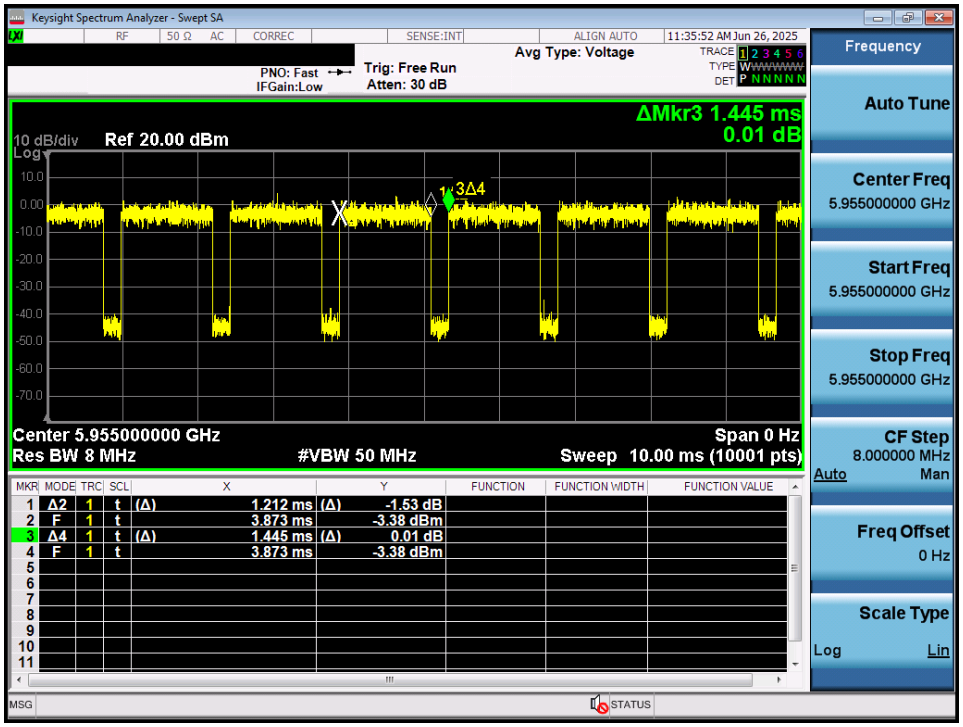
Duty Cycle Test Mode: 802.11ax(HE20) & 5955 MHz & 106T



Duty Cycle Test Mode: 802.11ax(HE20) & 5955 MHz & 242T



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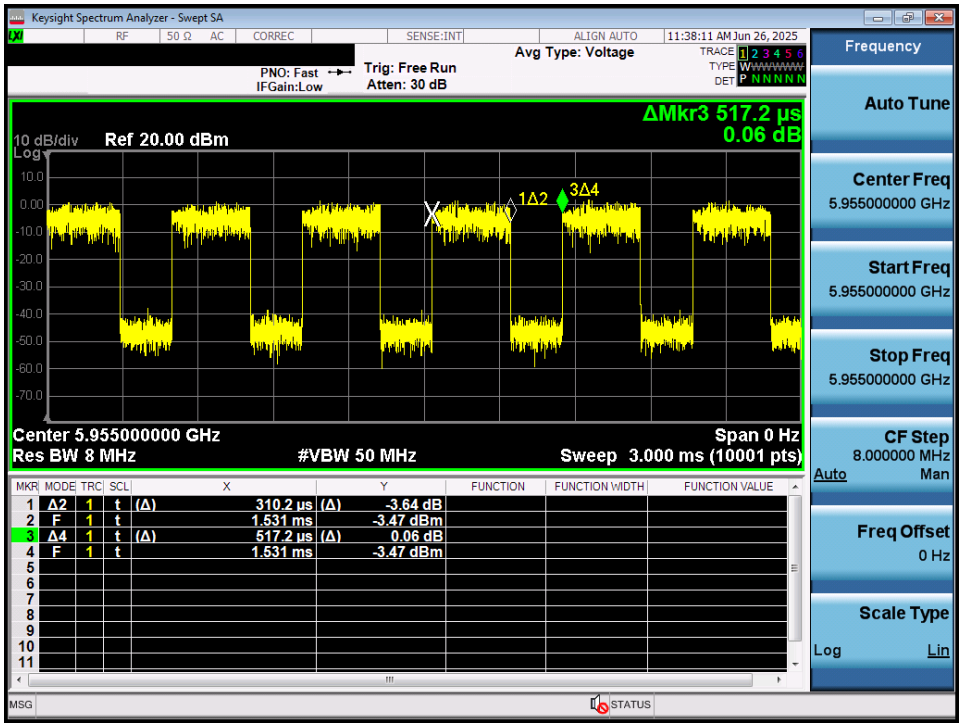
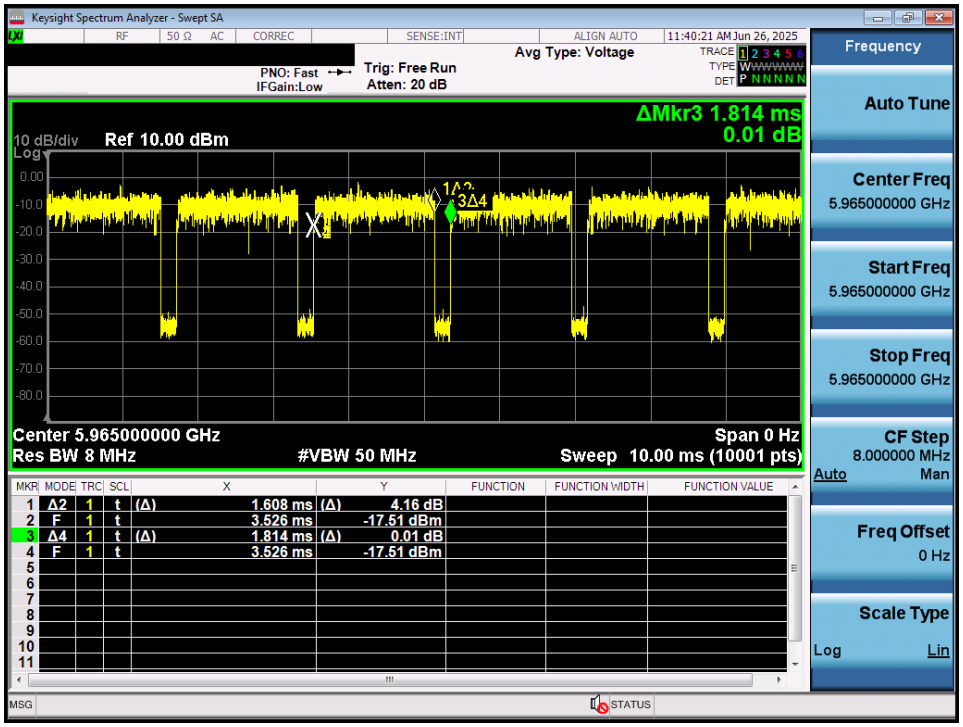
Duty Cycle Test Mode: 802.11ax(HE20) & 5955 MHz & SU



Duty Cycle Test Mode: 802.11ax(HE40) & 5965 MHz & 26T



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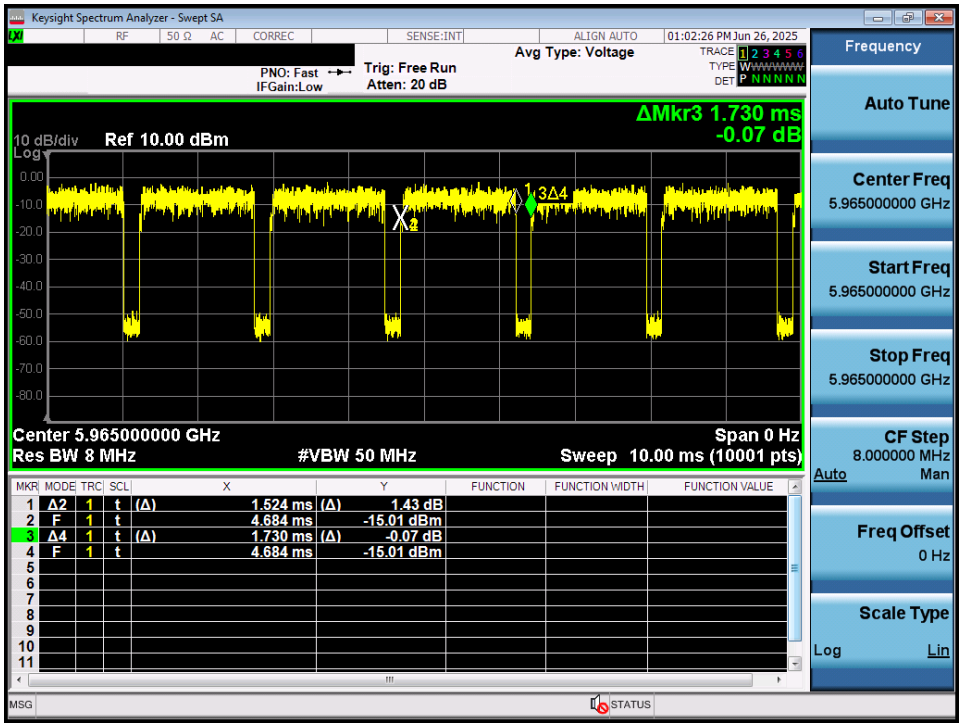
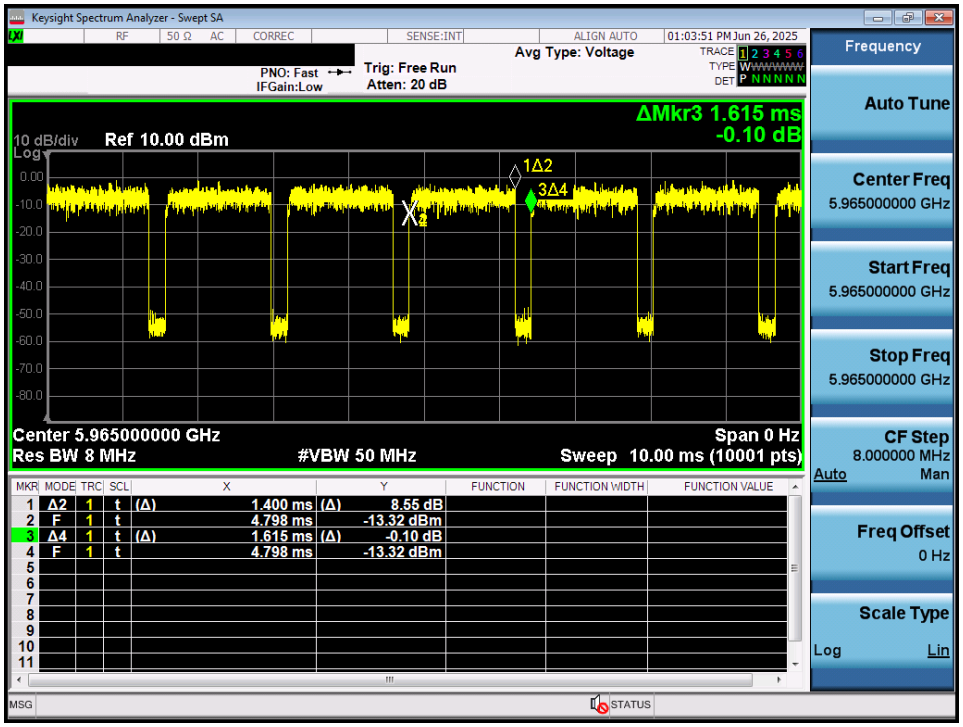
Duty Cycle Test Mode: 802.11ax(HE40) & 5965 MHz & 52T



Duty Cycle Test Mode: 802.11ax(HE40) & 5965 MHz & 106T



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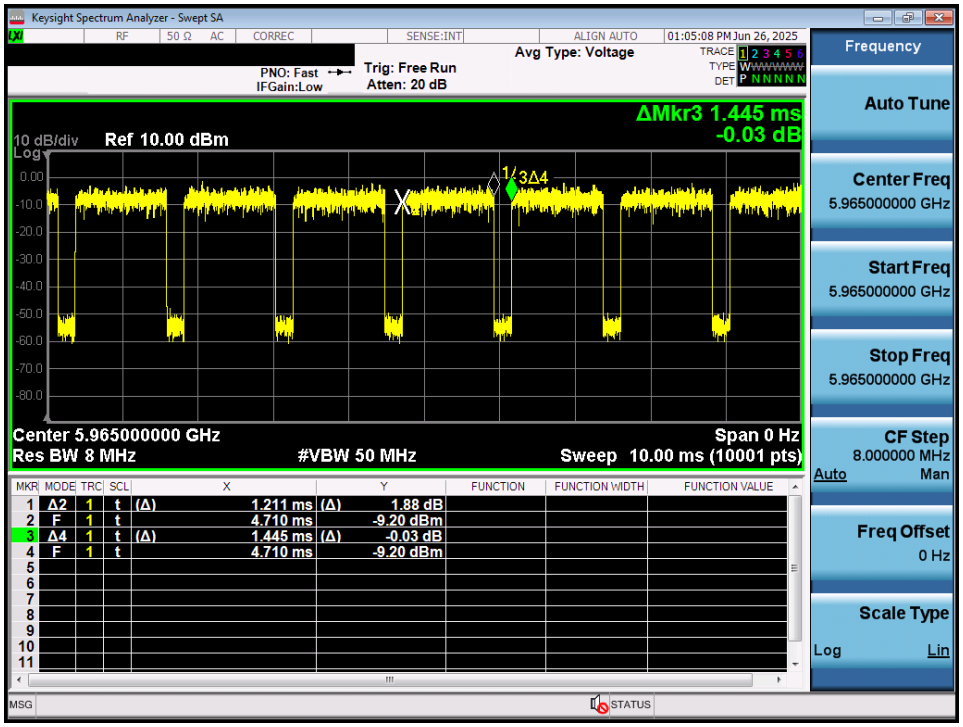
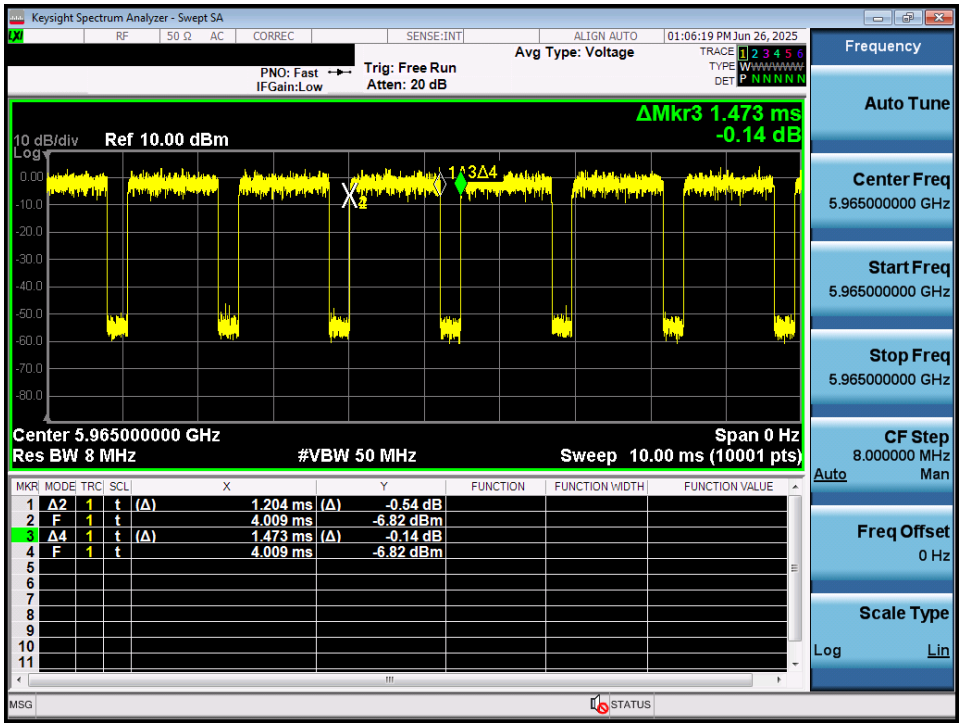
Duty Cycle Test Mode: 802.11ax(HE40) & 5965 MHz & 242T



Duty Cycle Test Mode: 802.11ax(HE40) & 5965 MHz & 484T



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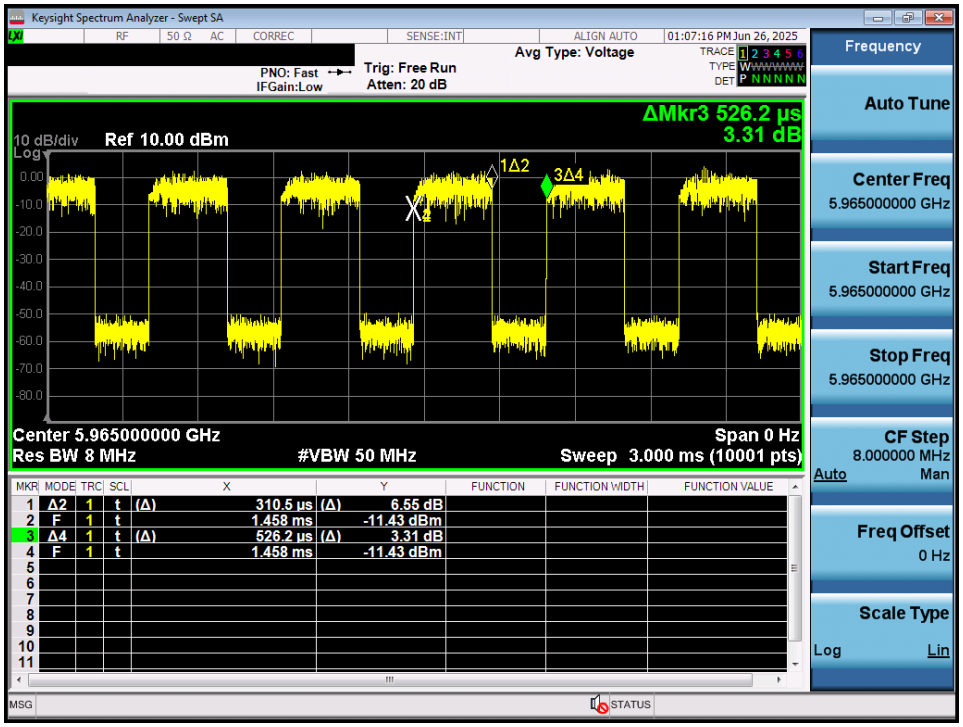
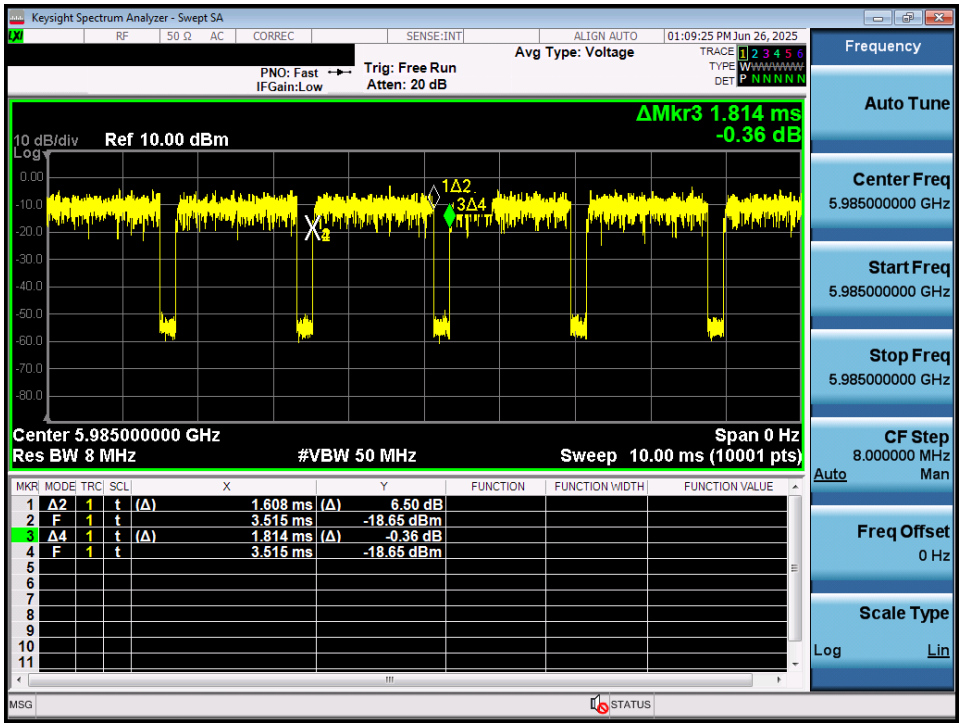
Duty Cycle Test Mode: 802.11ax(HE40) & 5965 MHz & SU



Duty Cycle Test Mode: 802.11ax(HE80) & 5985 MHz & 26T



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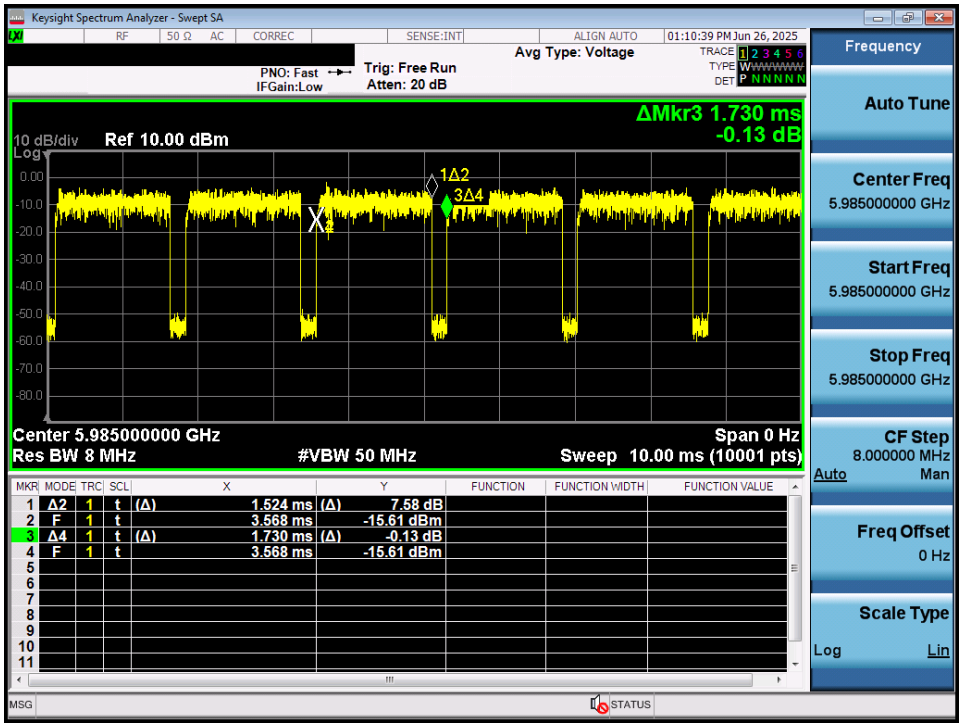
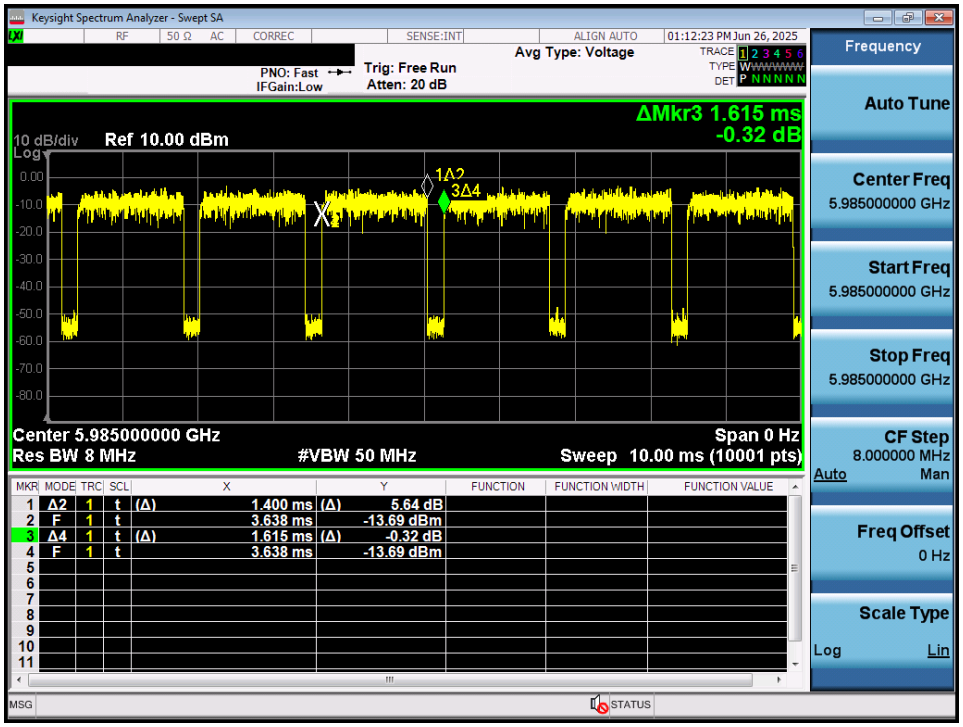
Duty Cycle Test Mode: 802.11ax(HE80) & 5985 MHz & 52T



Duty Cycle Test Mode: 802.11ax(HE80) & 5985 MHz & 106T



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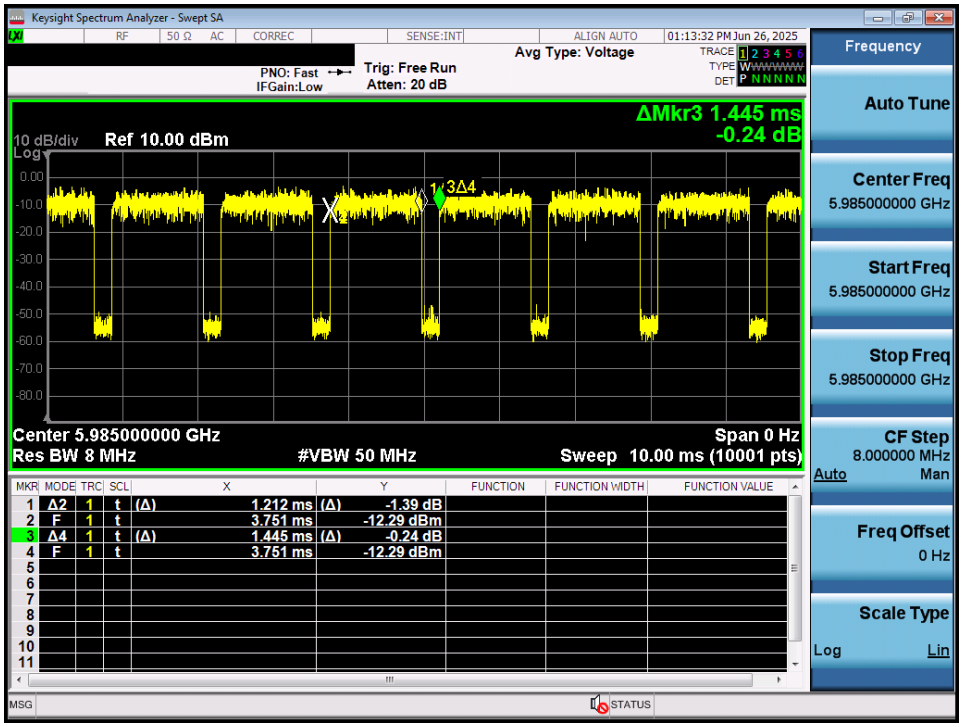
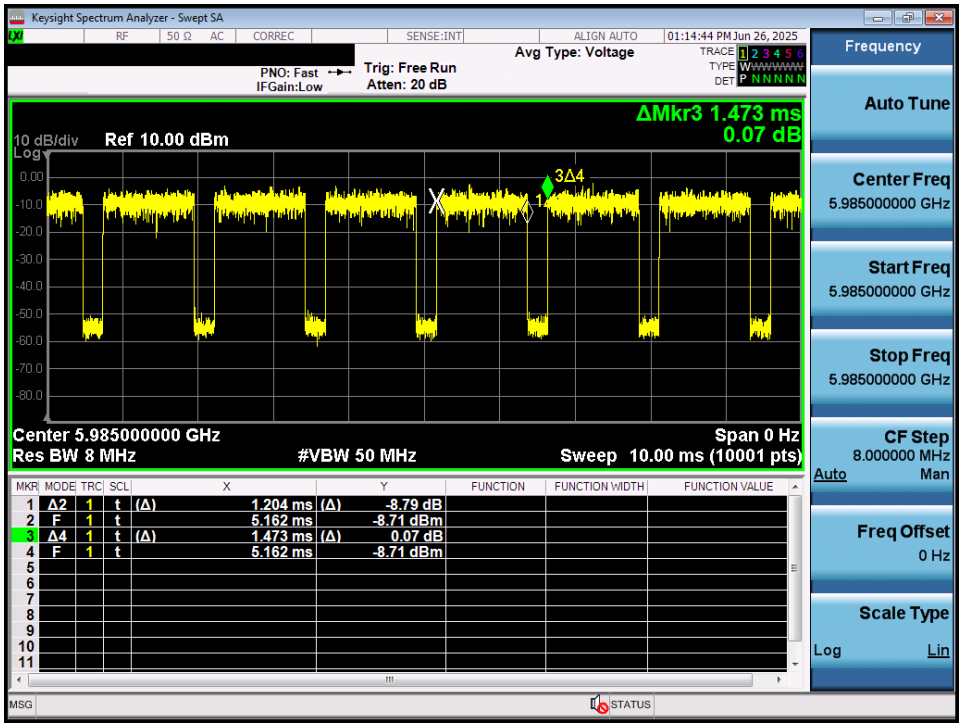
Duty Cycle Test Mode: 802.11ax(HE80) & 5985 MHz & 242T



Duty Cycle Test Mode: 802.11ax(HE80) & 5985 MHz & 484T



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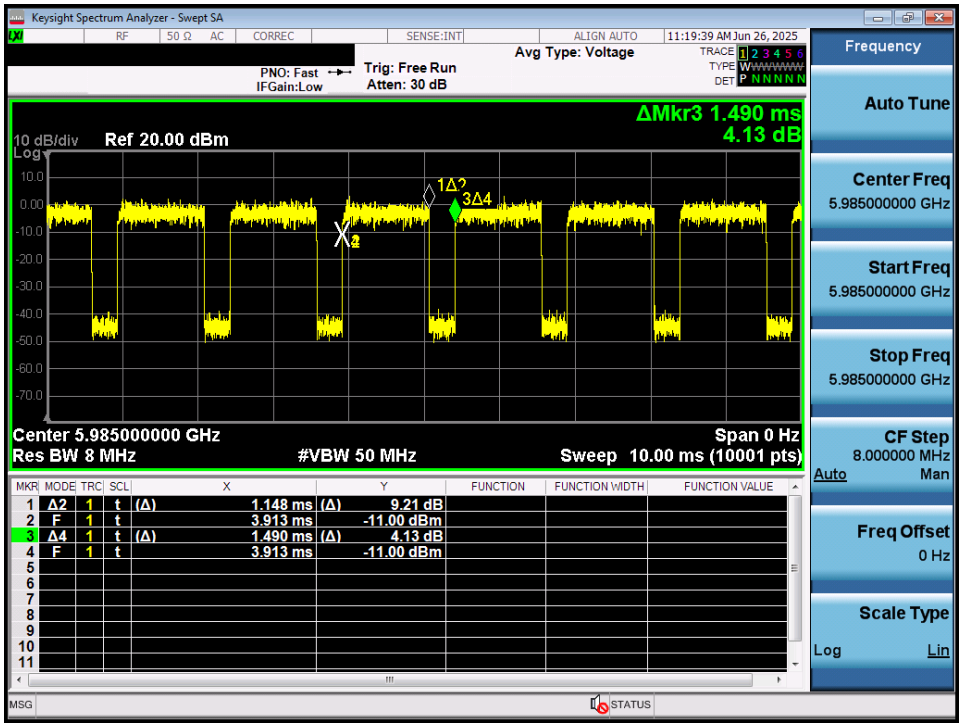
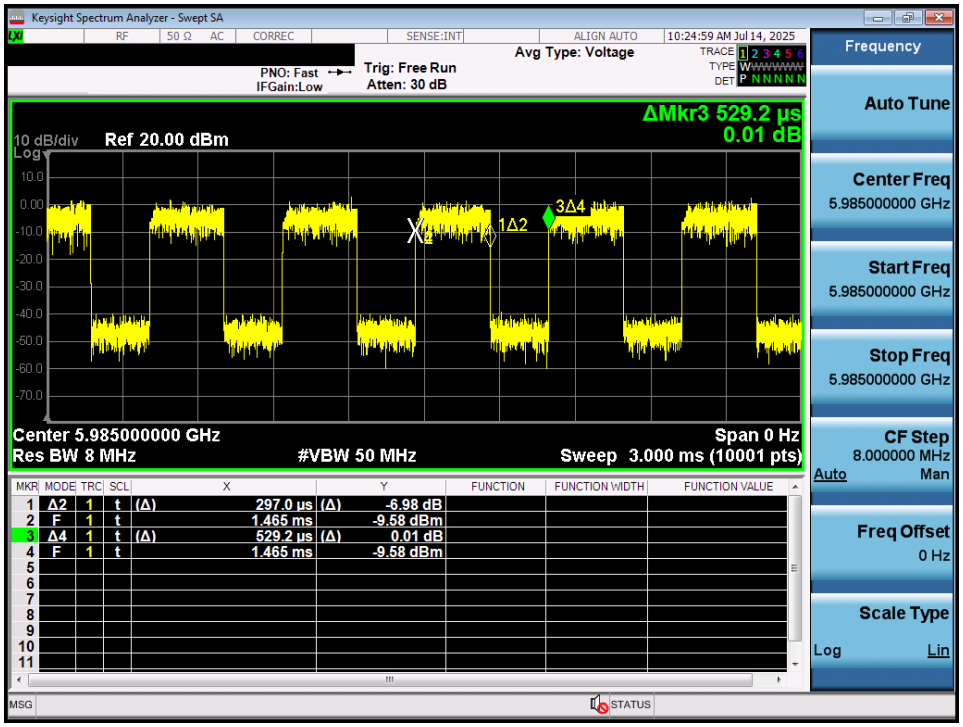
Duty Cycle Test Mode: 802.11ax(HE80) & 5985 MHz & 996T



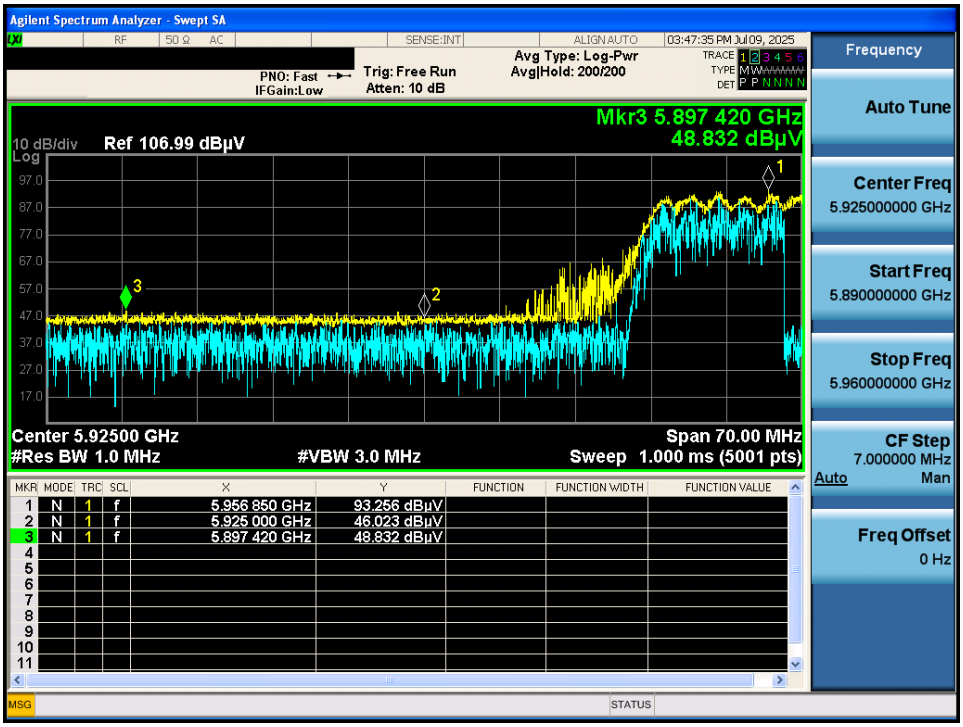
Duty Cycle Test Mode: 802.11ax(HE80) & 5985 MHz & SU



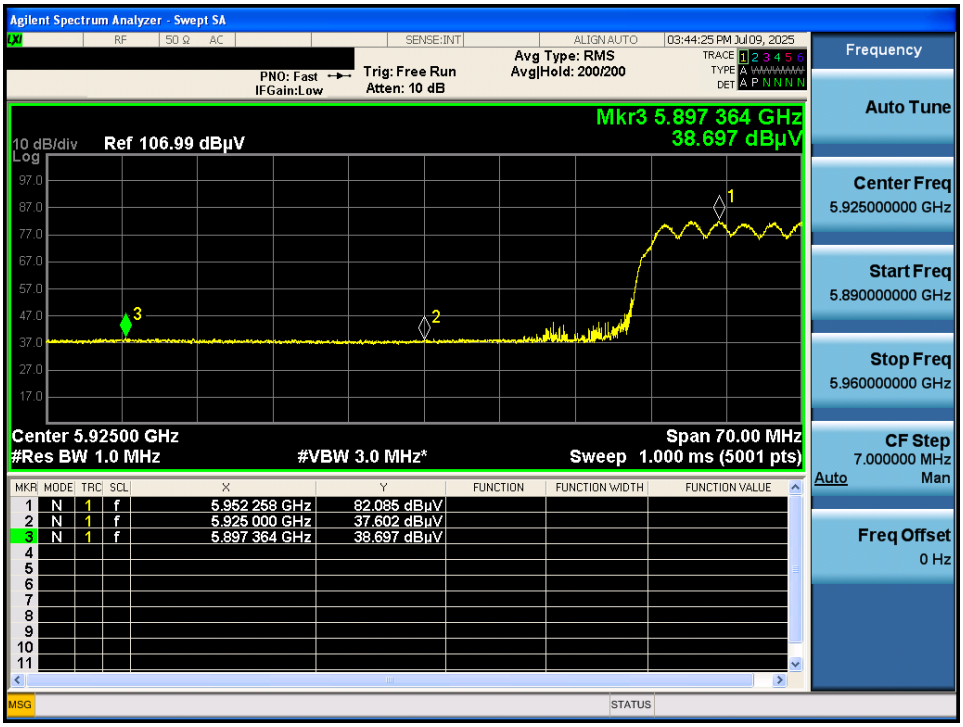
APPENDIX III

Unwanted Emissions (Radiated) Test Plot:

U-NII 5 & 6ID & MIMO(CDD) & 802.11ax(HE20) & 5955 MHz & SU & X axis & Hor **Detector Mode : PK**



U-NII 5 & 6ID & MIMO(CDD) & 802.11ax(HE20) & 5955 MHz & SU & X axis & Hor **Detector Mode : AV**



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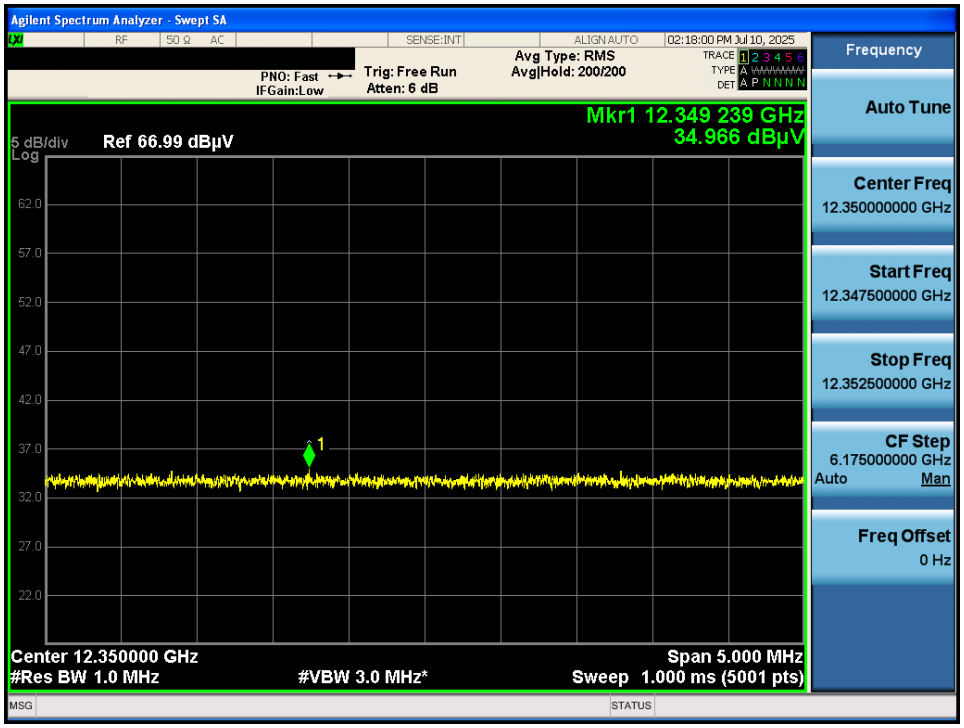
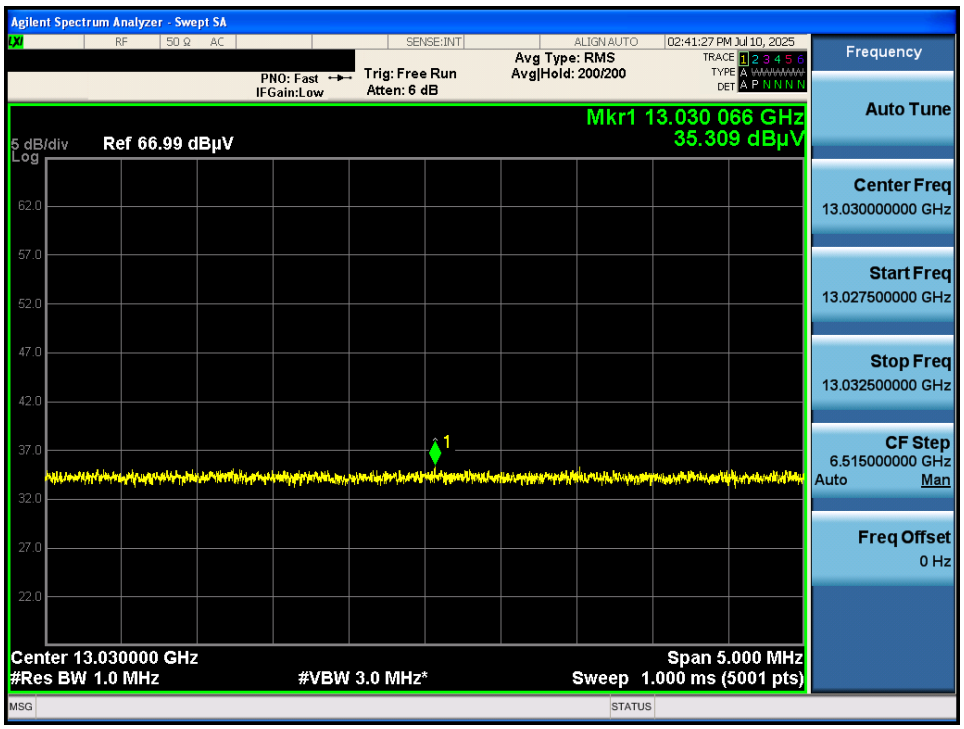
U-NII 5 & 6ID & MIMO(CDD) & 802.11ax(HE20) & 6175 MHz & 242T(61) & X axis & Hor **Detector Mode : AV**



U-NII 6 & 6ID & MIMO(CDD) & 802.11ax(HE20) & 6515 MHz & 242T(61) & X axis & Hor **Detector Mode : AV**



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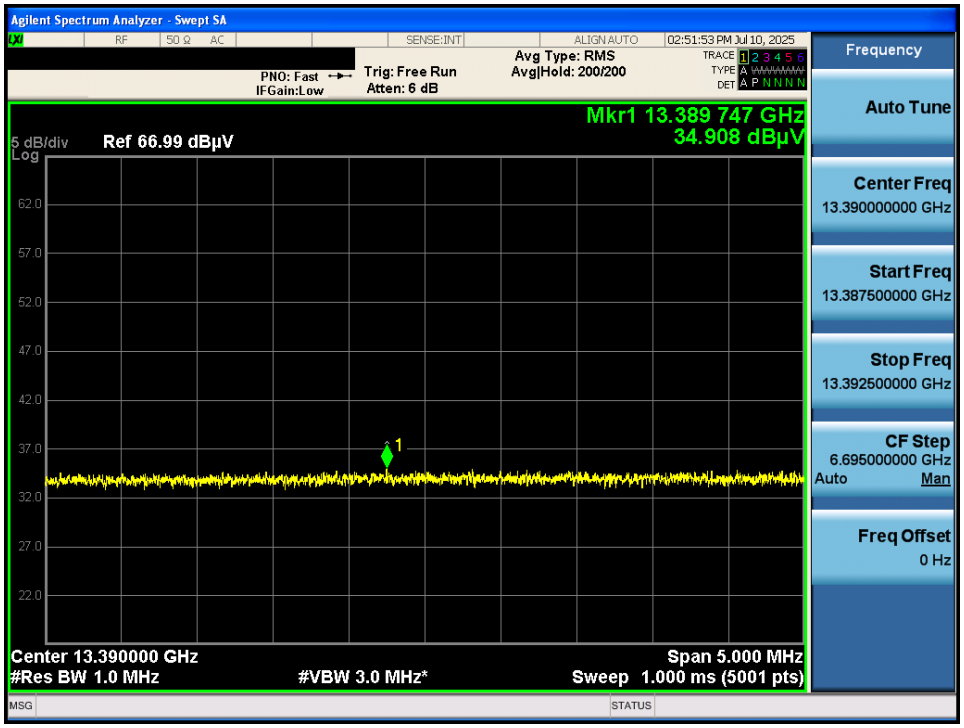
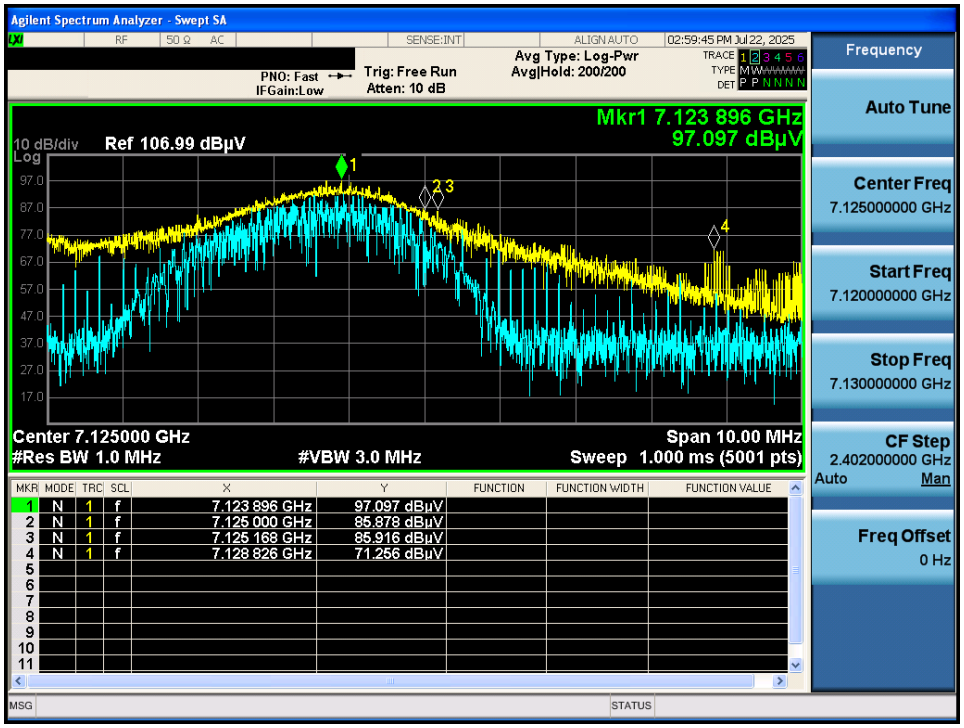
U-NII 7 & 6ID & MIMO(CDD) & 802.11ax(HE20) & 6695 MHz & 242T(61) & X axis & Hor **Detector Mode : AV**



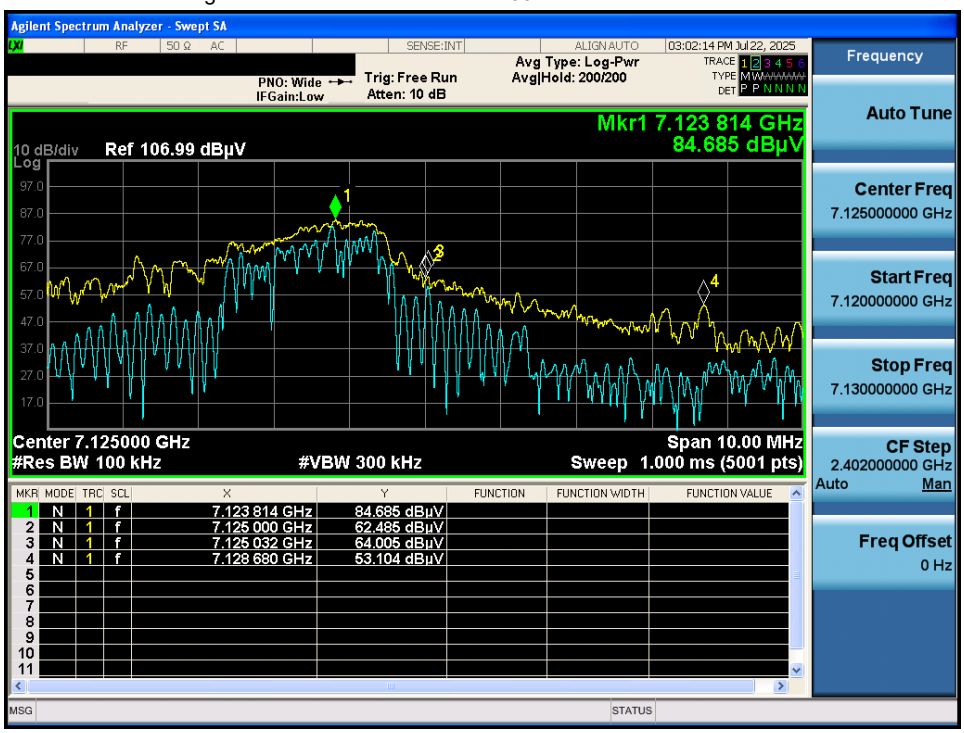
U-NII 8 & 6ID & MIMO(CDD) & 802.11ax(HE20) & 7115 MHz & 26T(8) & X axis & Hor
Field strength of fundamental measured with a 1 MHz RBW

Detector Mode : PK

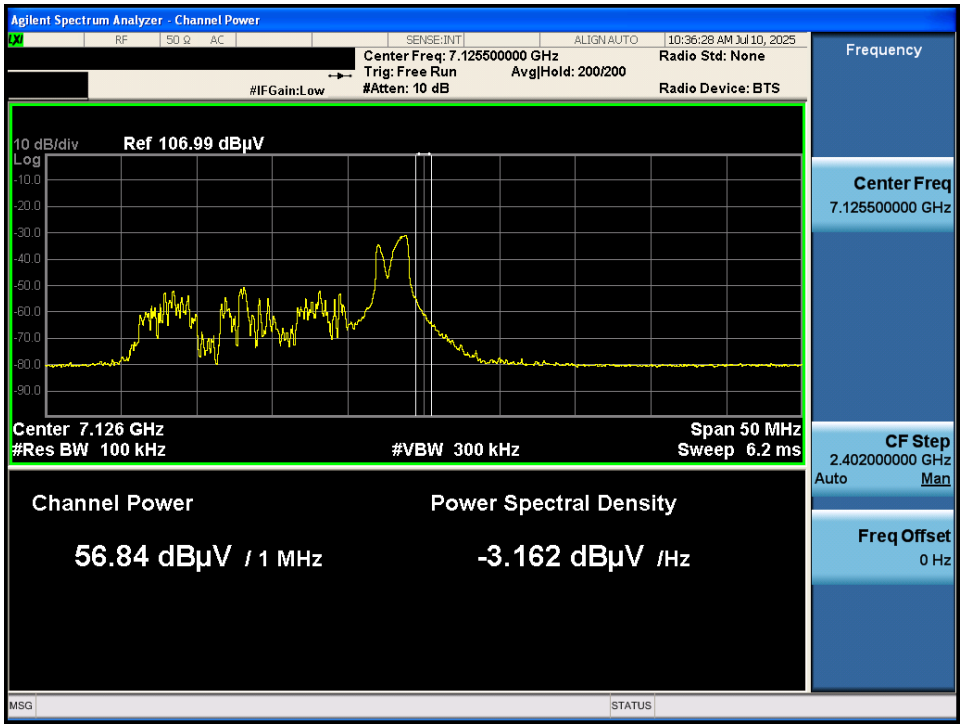


U-NII 8 & 6ID & MIMO(CDD) & 802.11ax(HE20) & 7115 MHz & 26T(8) & X axis & Hor
Field strength of fundamental and Band edge emissions measured with a 100 kHz RBW

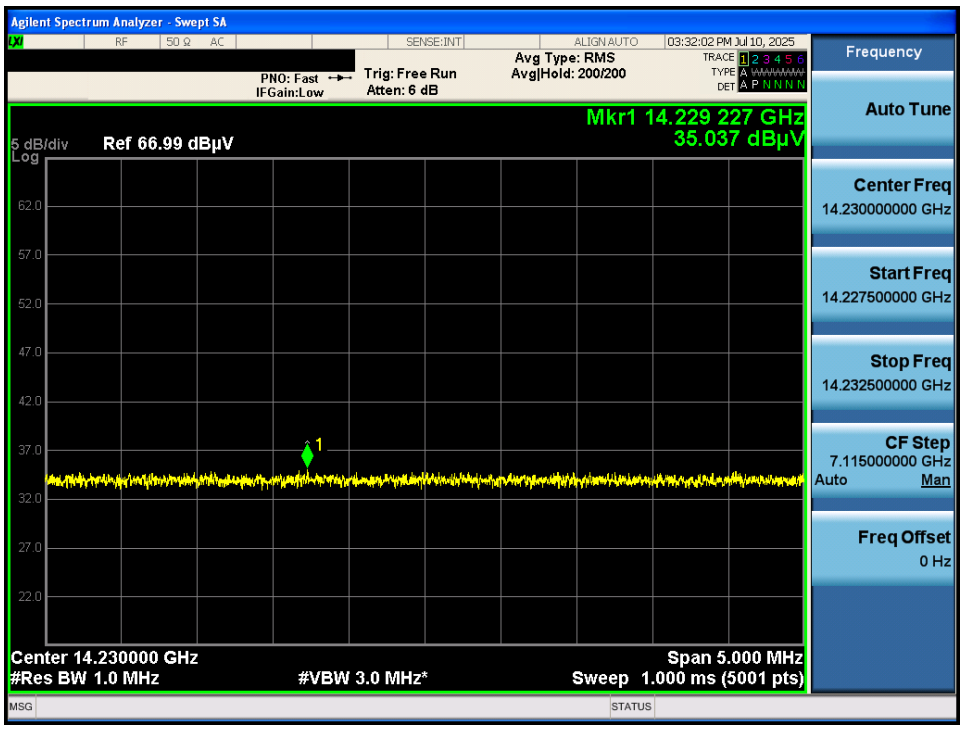
Detector Mode : PK



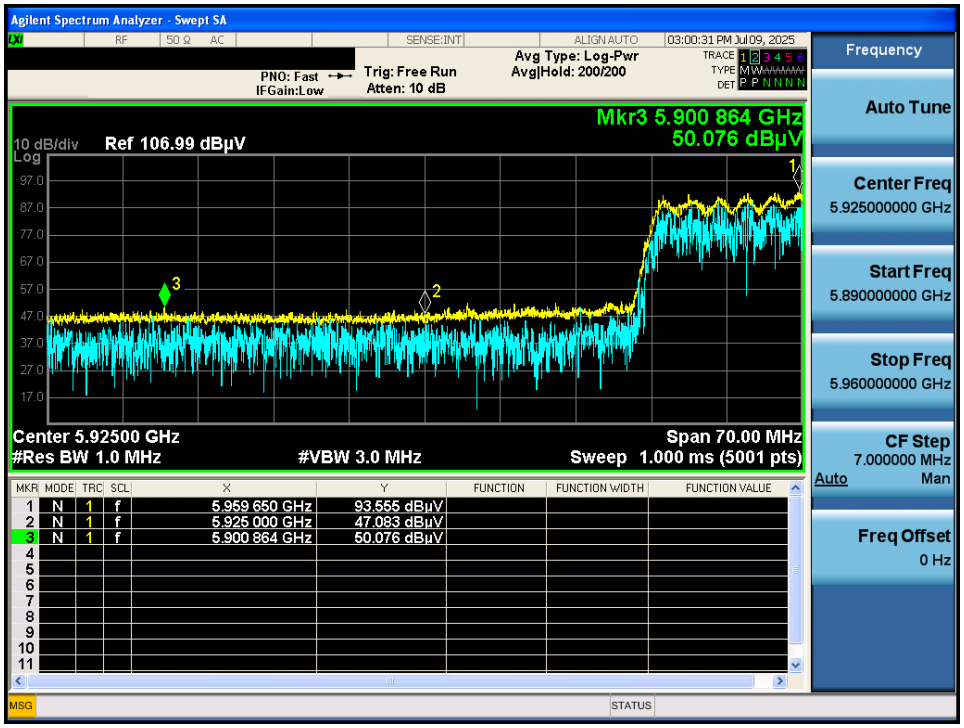
U-NII 8 & 6ID & MIMO(CDD) & 802.11ax(HE20) & 7115 MHz & 26T(8) & X axis & Hor **Detector Mode : AV**



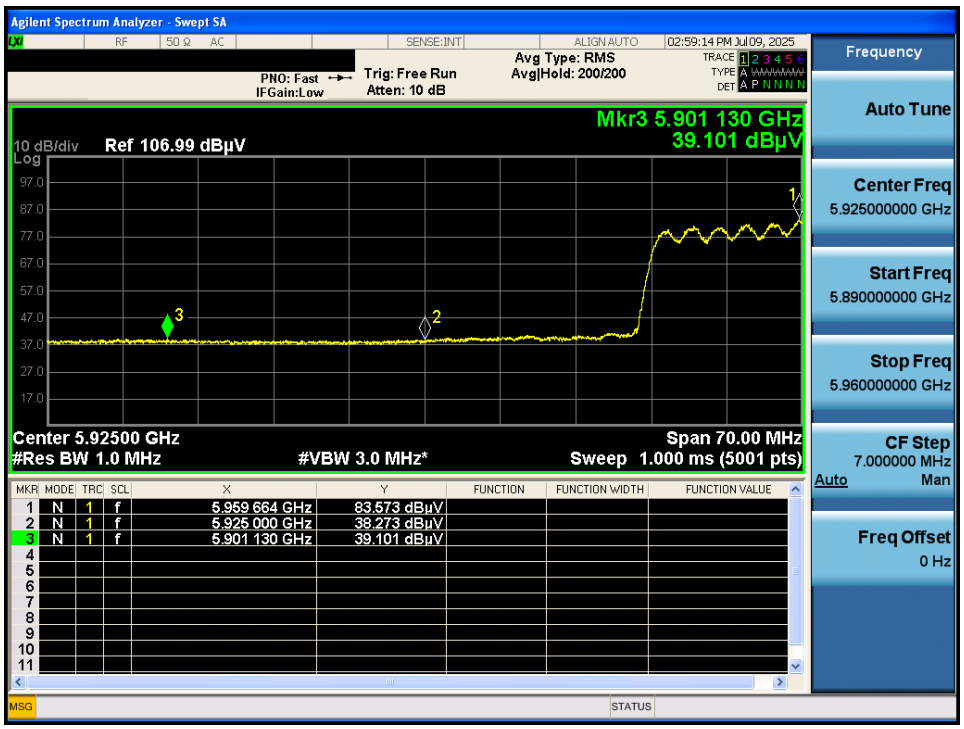
U-NII 8 & 6ID & MIMO(CDD) & 802.11ax(HE20) & 7115 MHz & 242T(61) & X axis & Hor **Detector Mode : AV**



U-NII 5 & 6ID & MIMO(CDD) & 802.11ax(HE40) & 5965 MHz & SU & X axis & Hor **Detector Mode : PK**



U-NII 5 & 6ID & MIMO(CDD) & 802.11ax(HE40) & 5965 MHz & SU & X axis & Hor **Detector Mode : AV**



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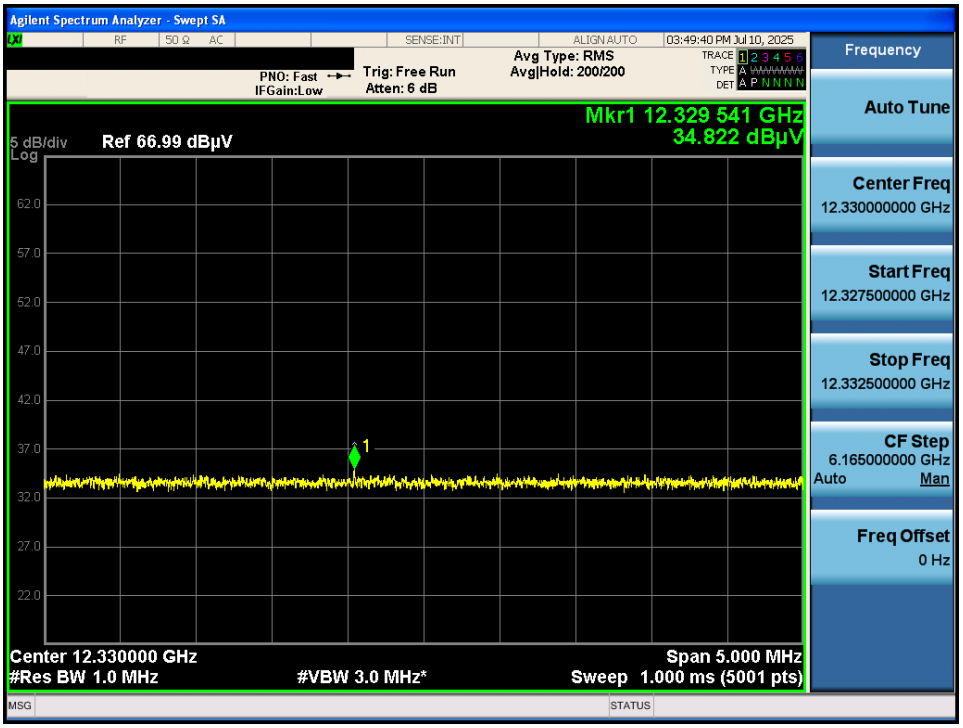
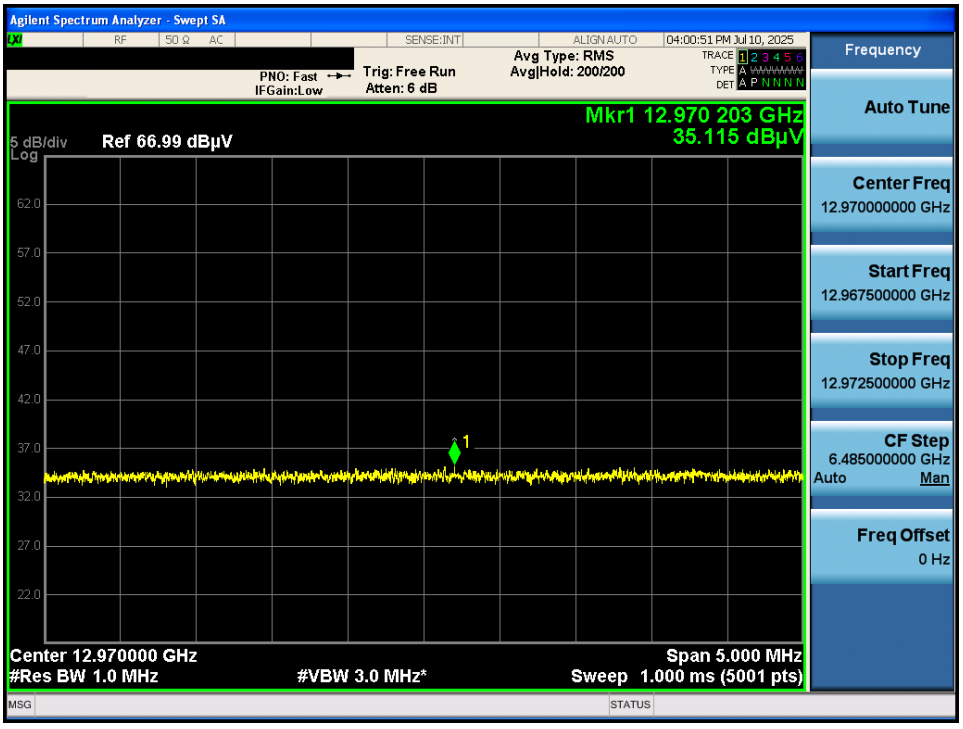
U-NII 5 & 6ID & MIMO(CDD) & 802.11ax(HE40) & 6165 MHz & 484T(65) & X axis & Hor **Detector Mode : AV**



U-NII 6 & 6ID & MIMO(CDD) & 802.11ax(HE40) & 6485 MHz & 484T(65) & X axis & Hor **Detector Mode : AV**



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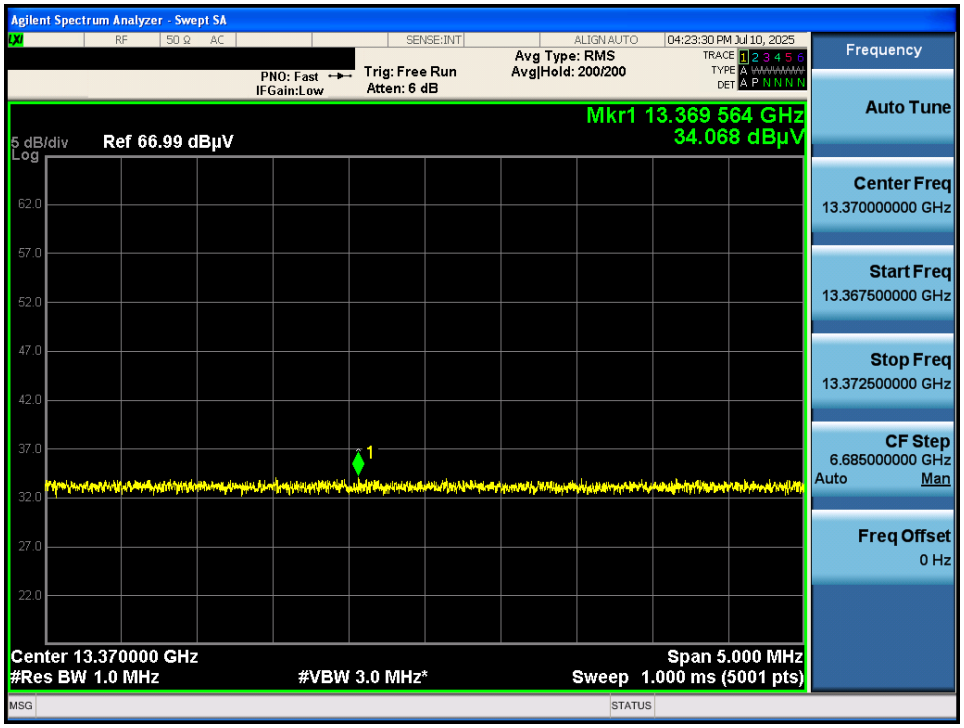
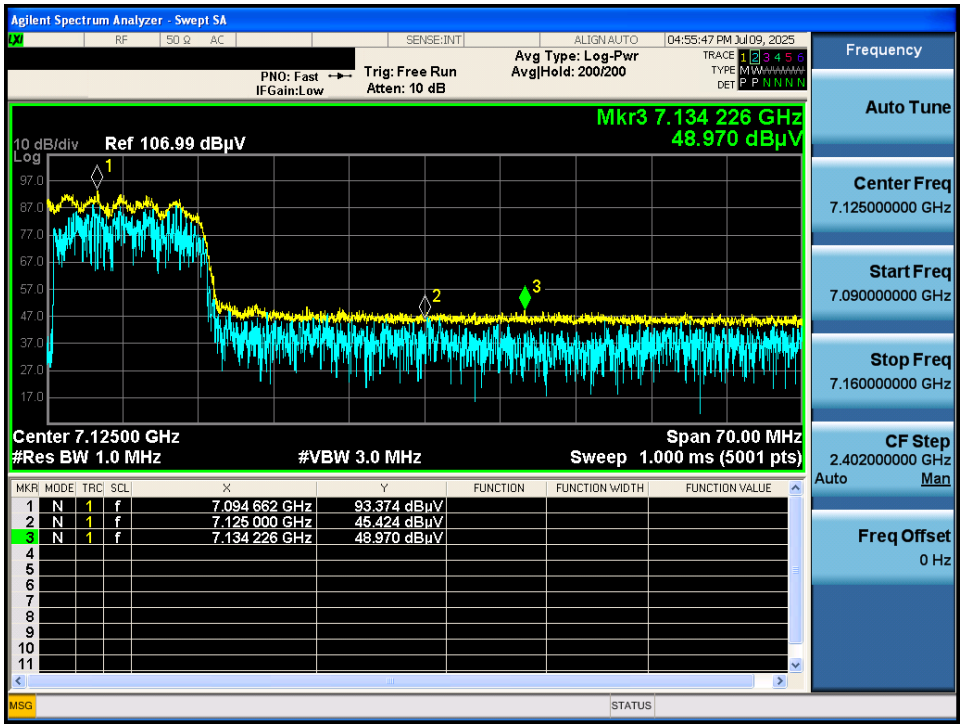
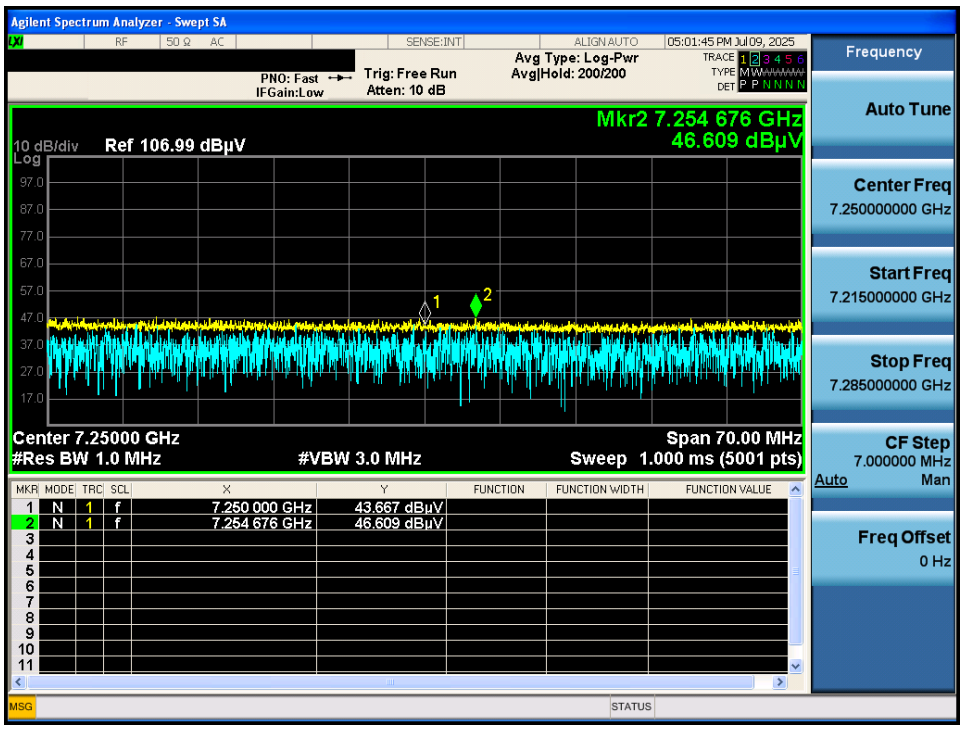
U-NII 7 & 6ID & MIMO(CDD) & 802.11ax(HE40) & 6685 MHz & 484T(65) & X axis & Hor **Detector Mode : AV**



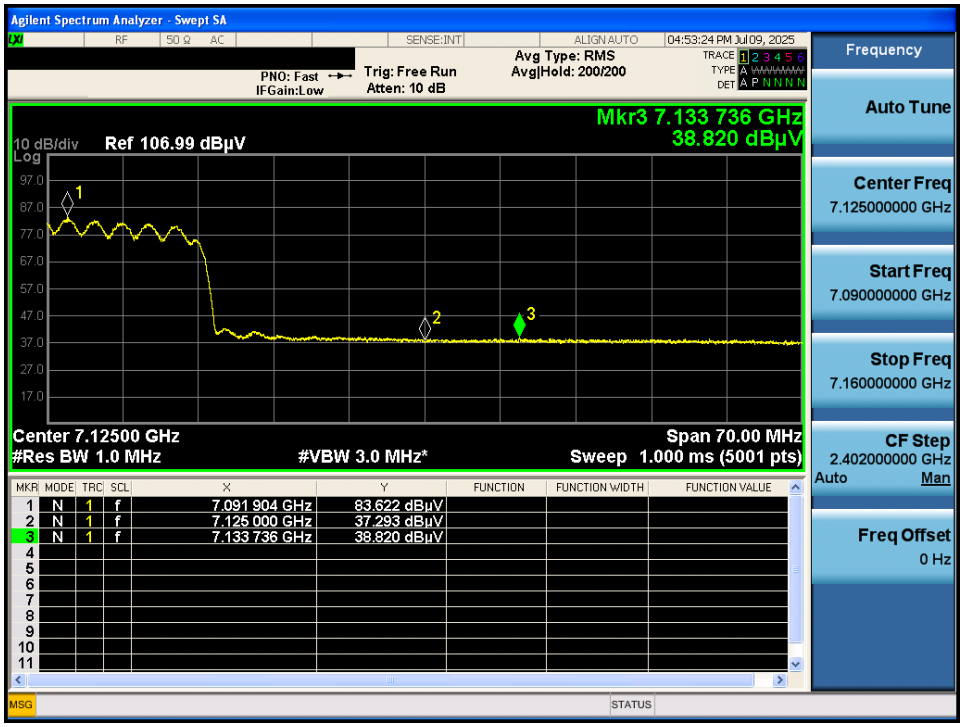
U-NII 8 & 6ID & MIMO(CDD) & 802.11ax(HE40) & 7085 MHz & SU & X axis & Hor **Detector Mode : PK**



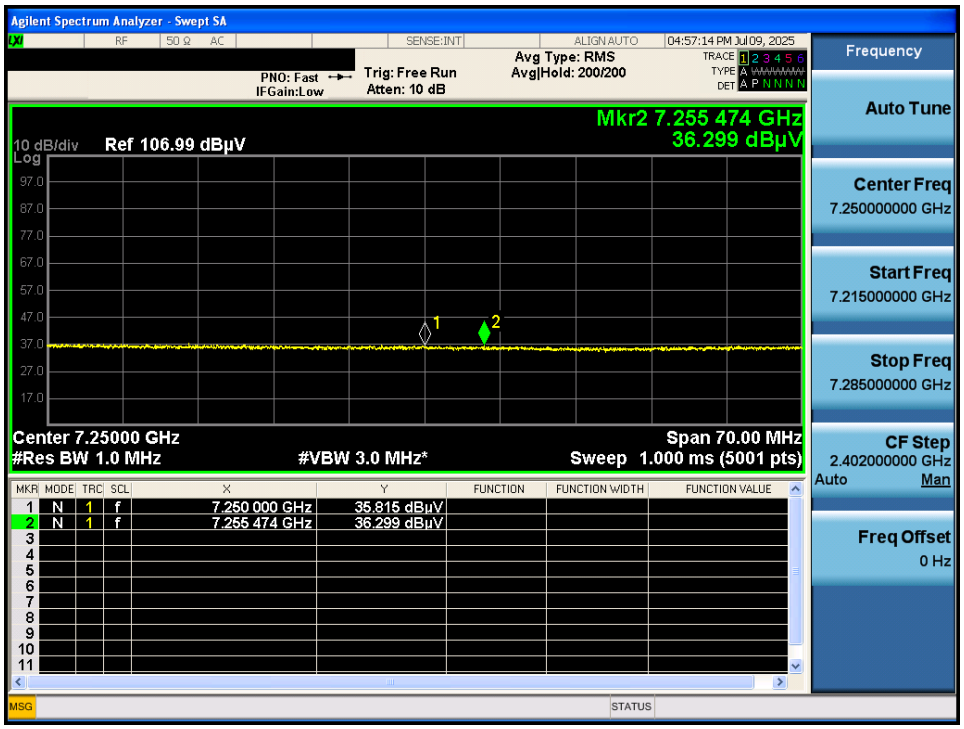
U-NII 8 & 6ID & MIMO(CDD) & 802.11ax(HE40) & 7085 MHz & SU & X axis & Hor **Detector Mode : PK**



U-NII 8 & 6ID & MIMO(CDD) & 802.11ax(HE40) & 7085 MHz & SU & X axis & Hor **Detector Mode : AV**



U-NII 8 & 6ID & MIMO(CDD) & 802.11ax(HE40) & 7085 MHz & SU & X axis & Hor **Detector Mode : AV**



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U-NII 8 & 6ID & MIMO(CDD) & 802.11ax(HE40) & 7085 MHz & 484T(65) & X axis & Hor **Detector Mode : AV**