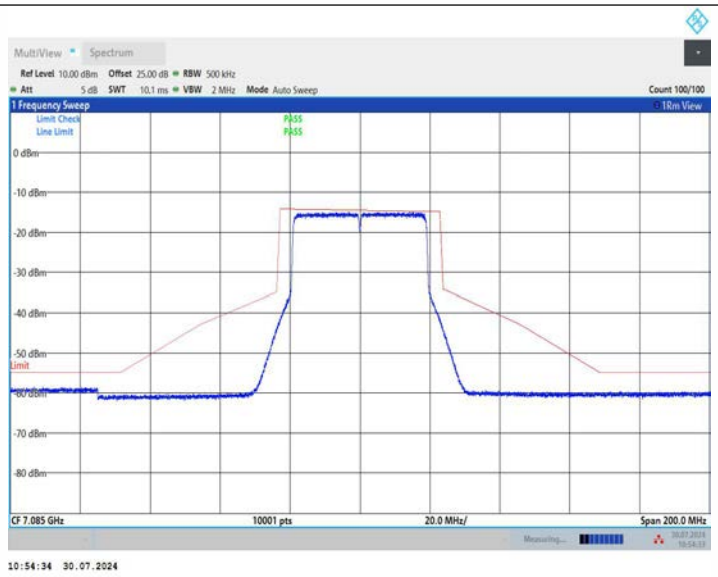

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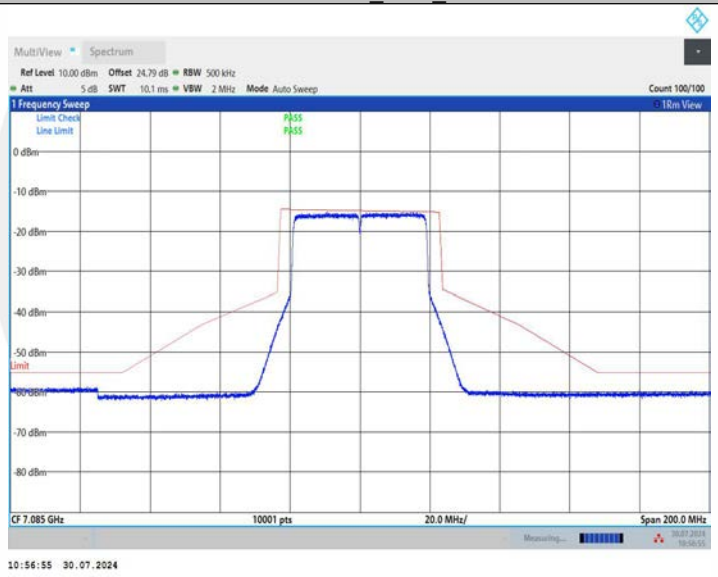

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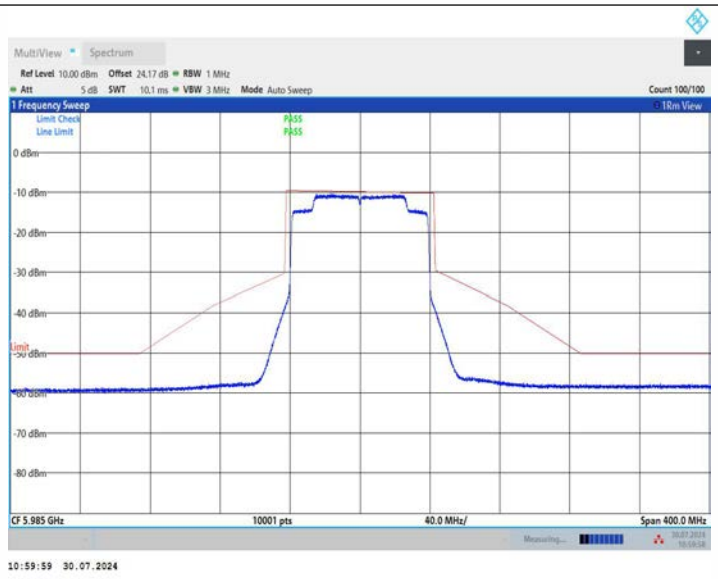

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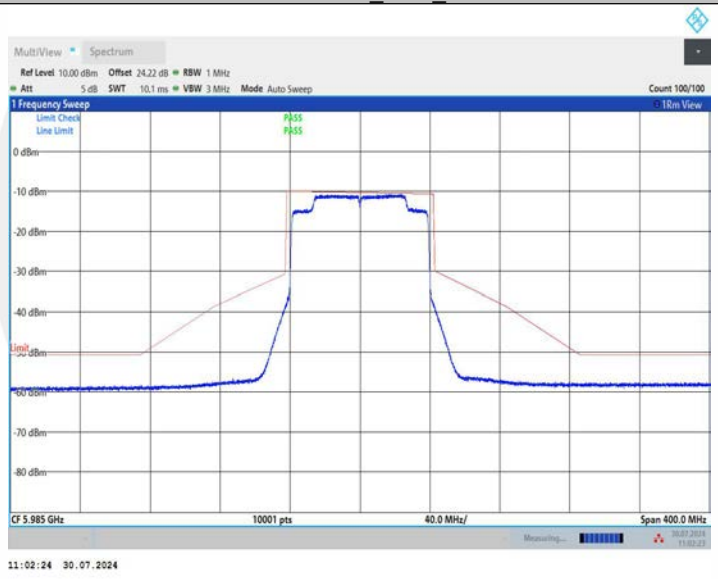

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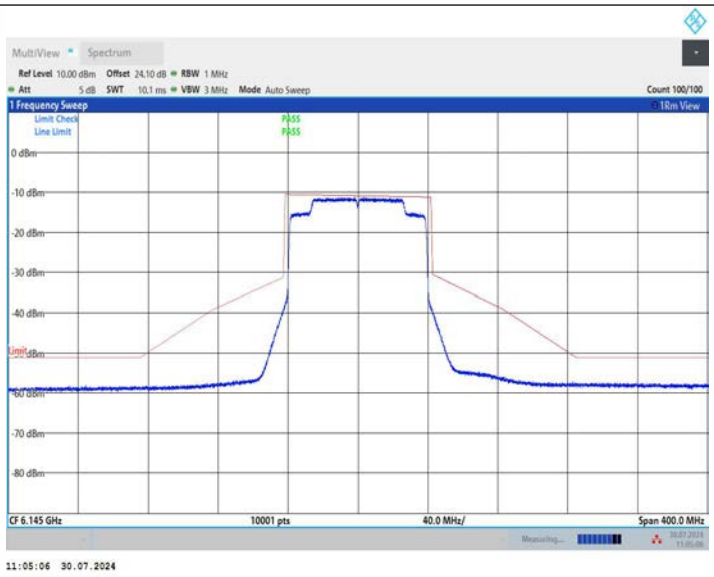

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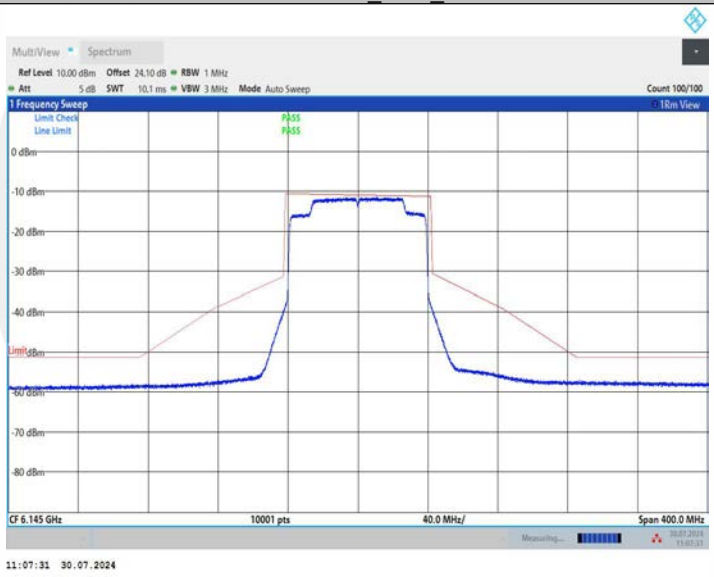

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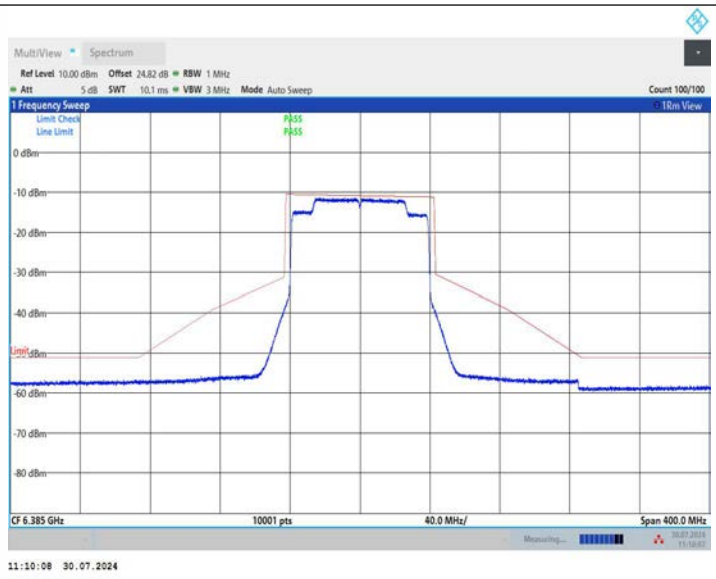

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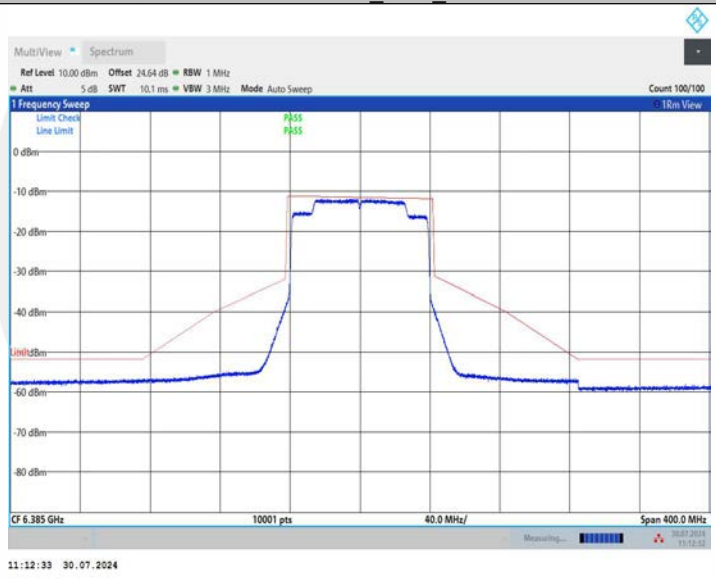

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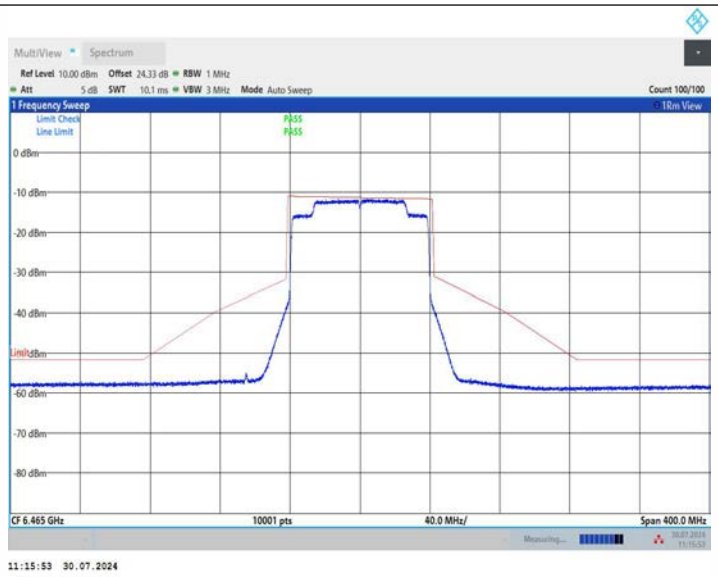

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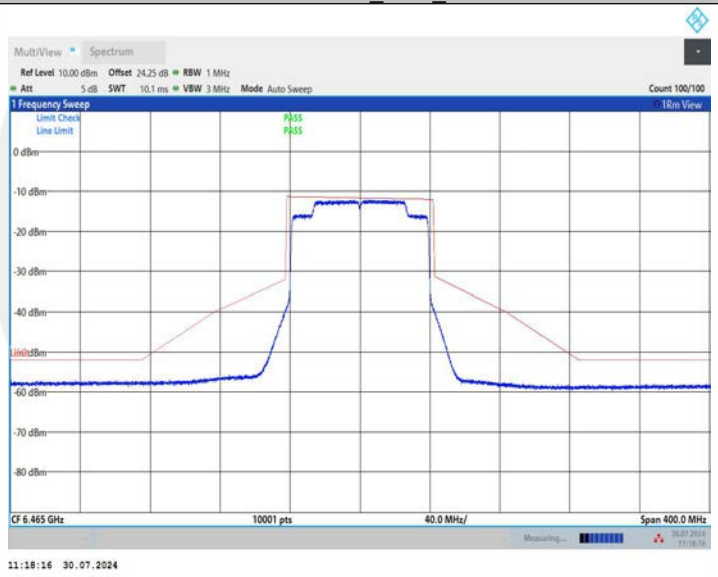

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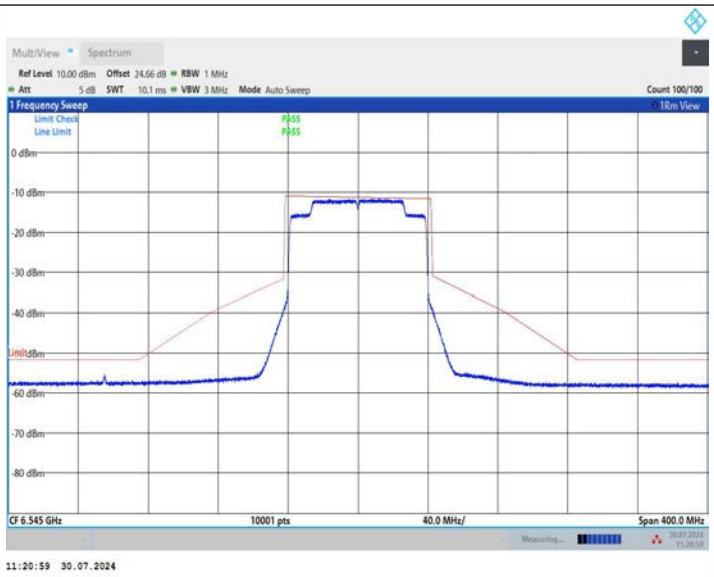

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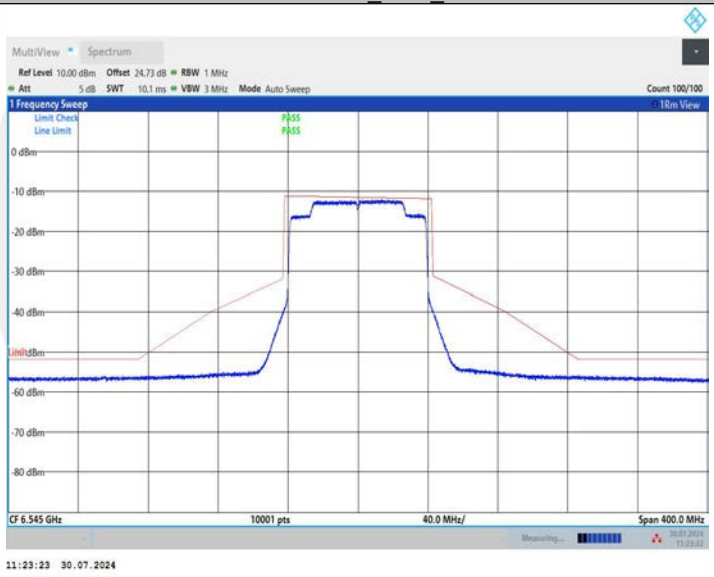

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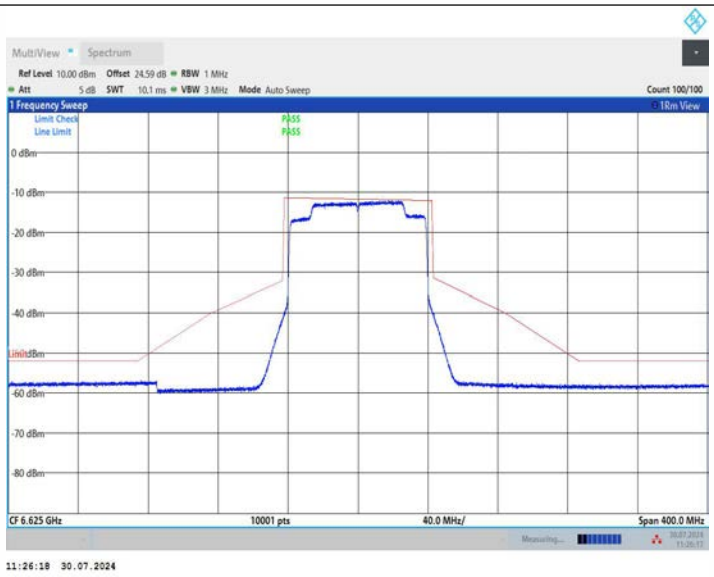

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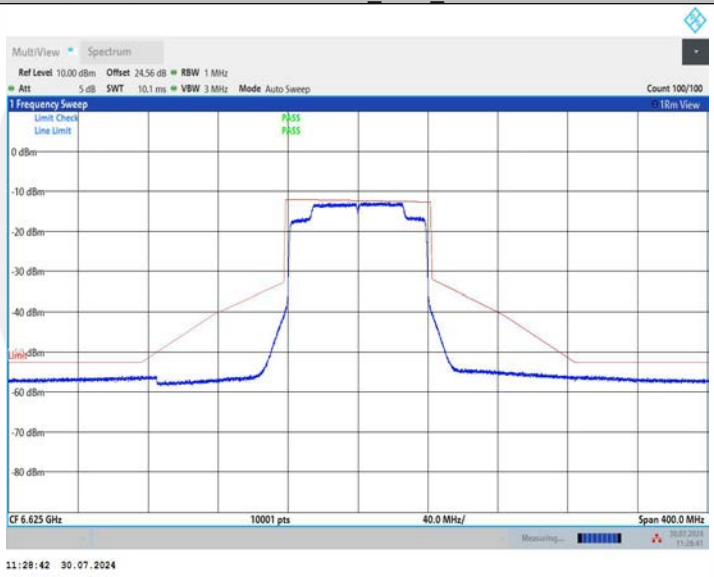

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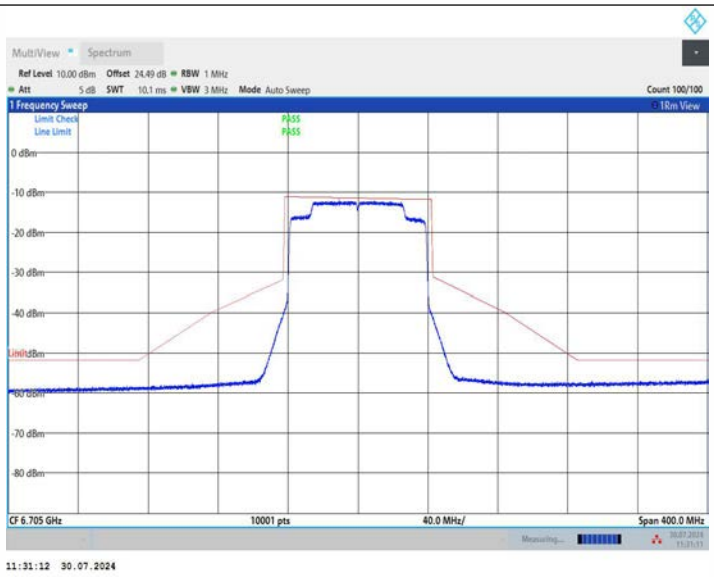

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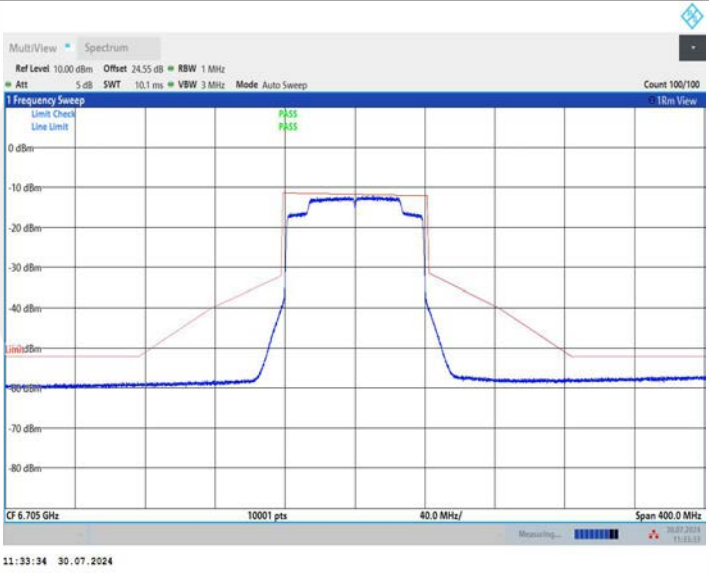

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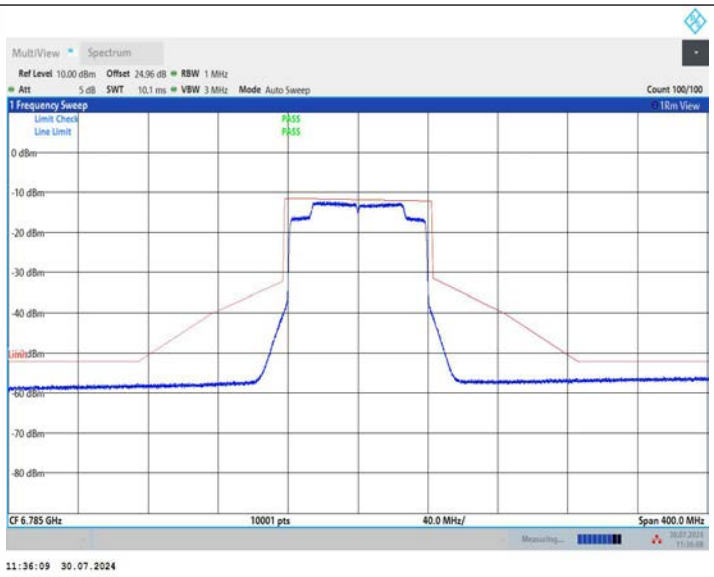

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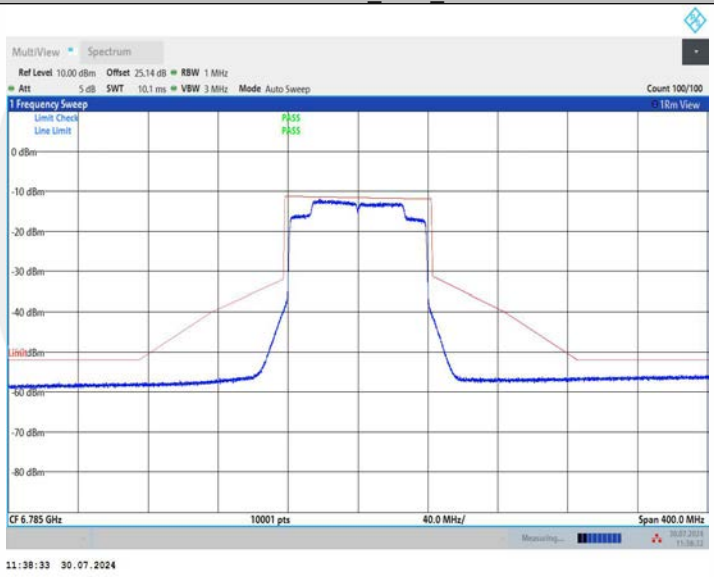

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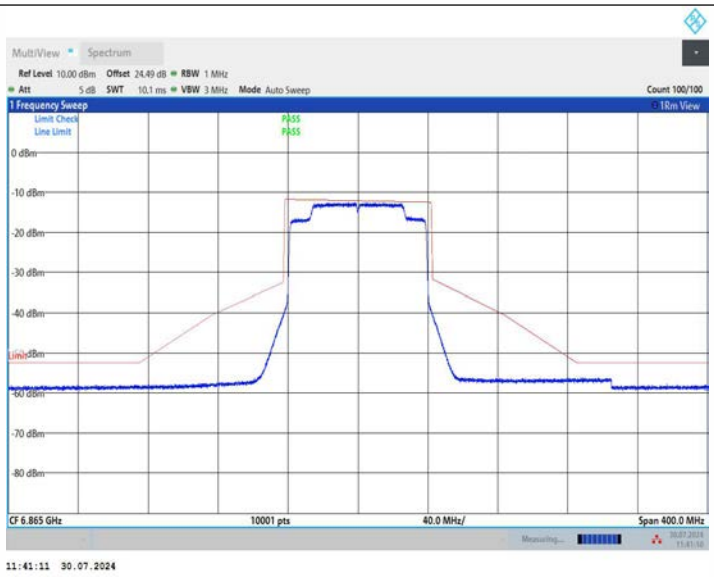

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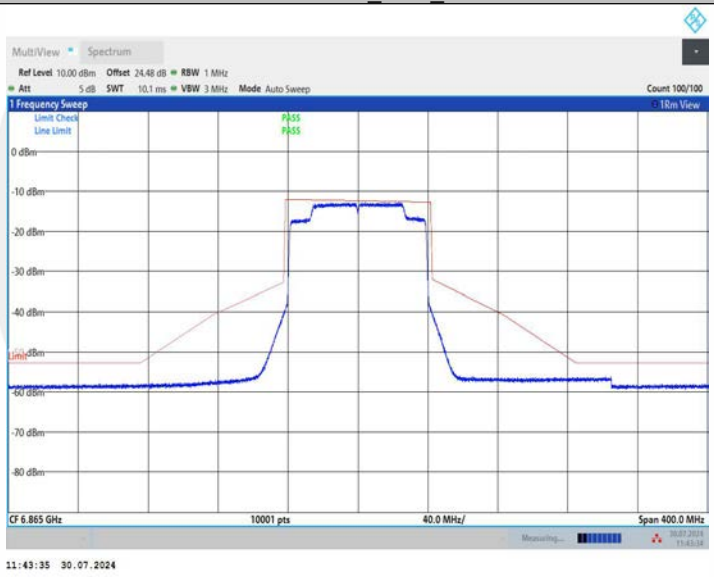

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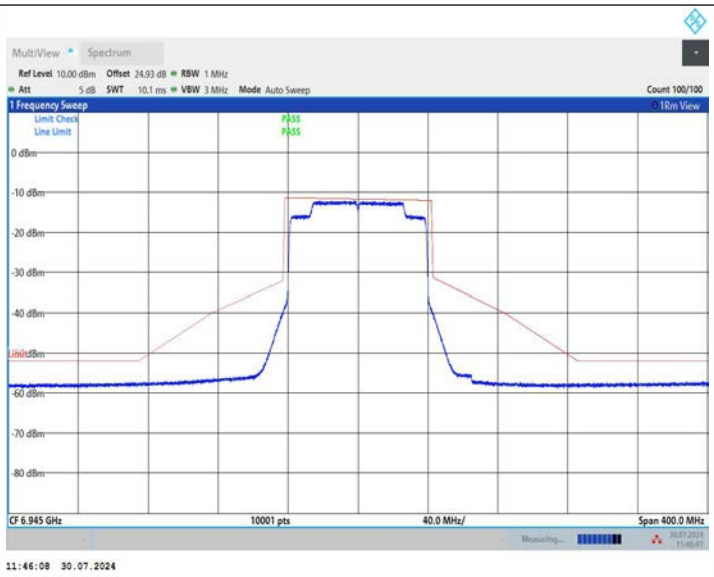

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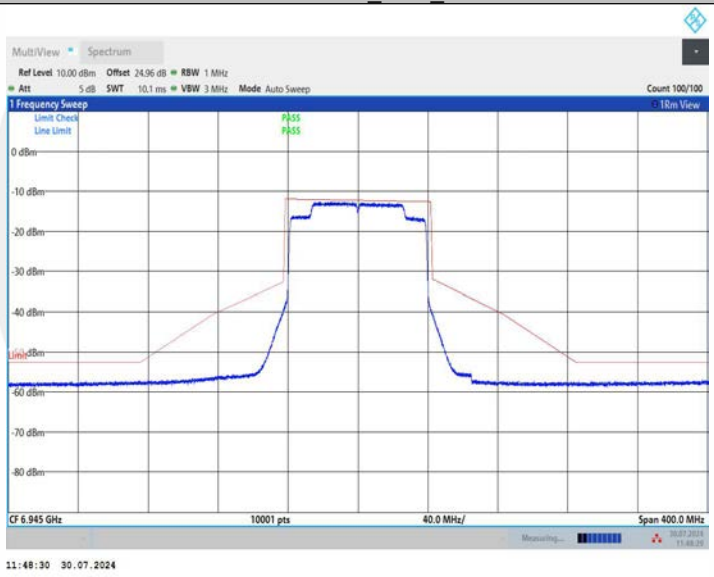

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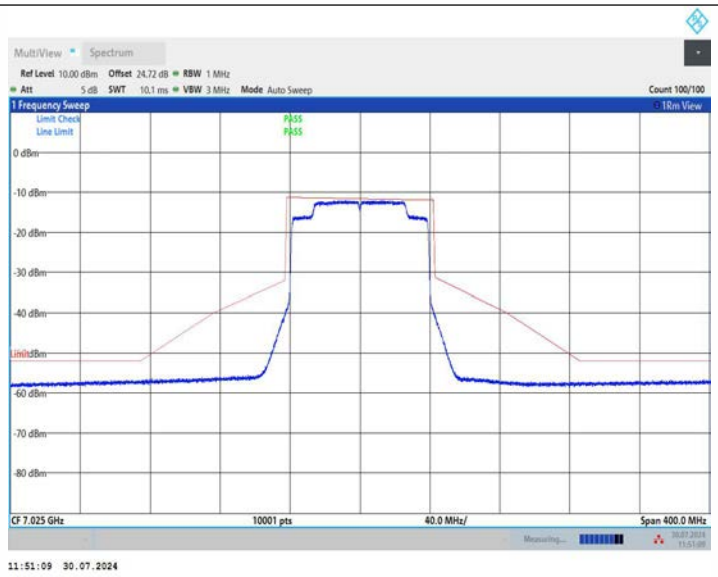

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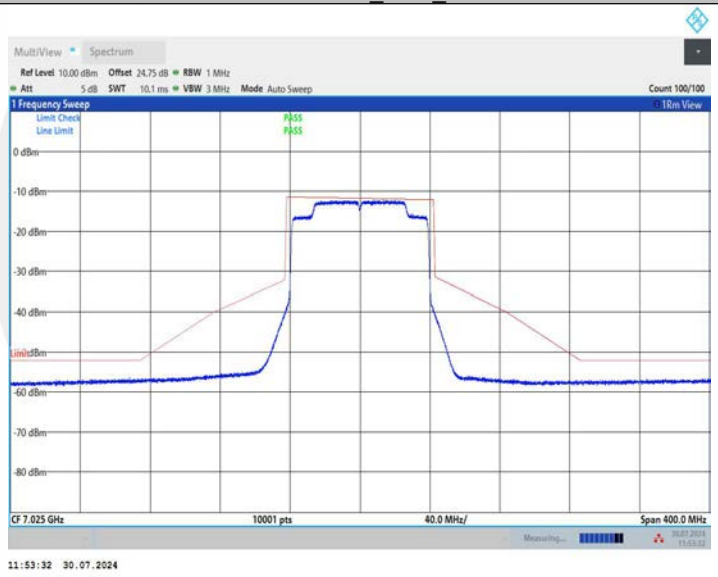

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11AX160MIMO_Ant2_6025

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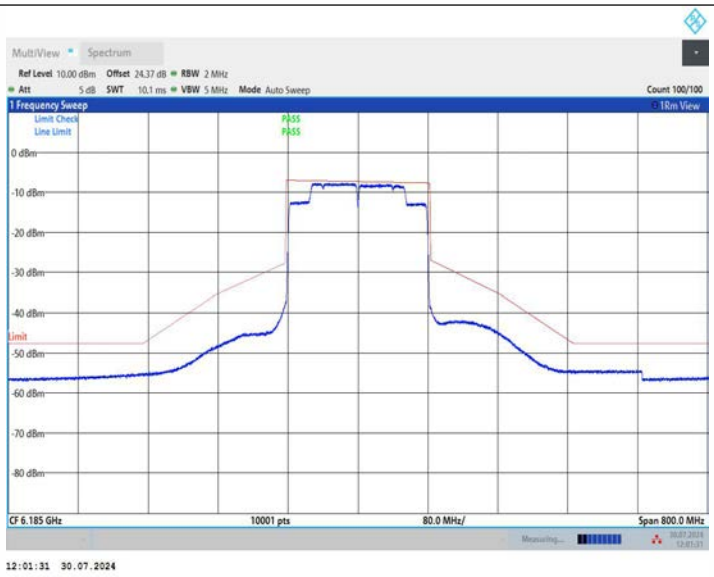

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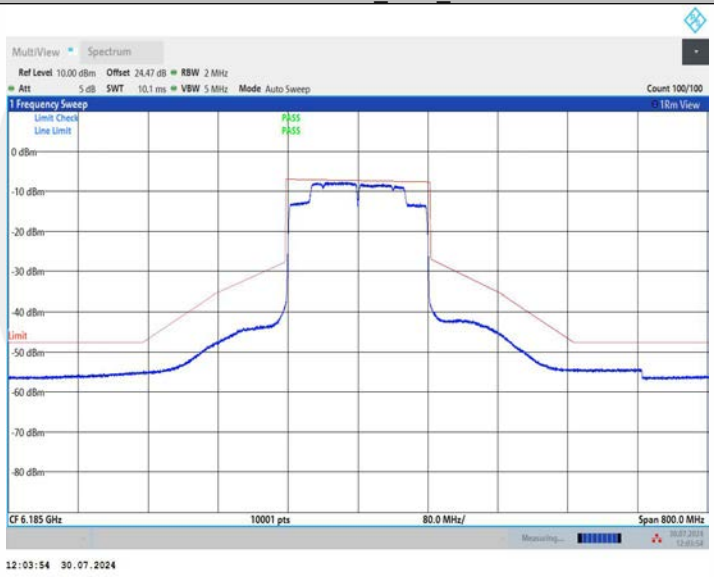

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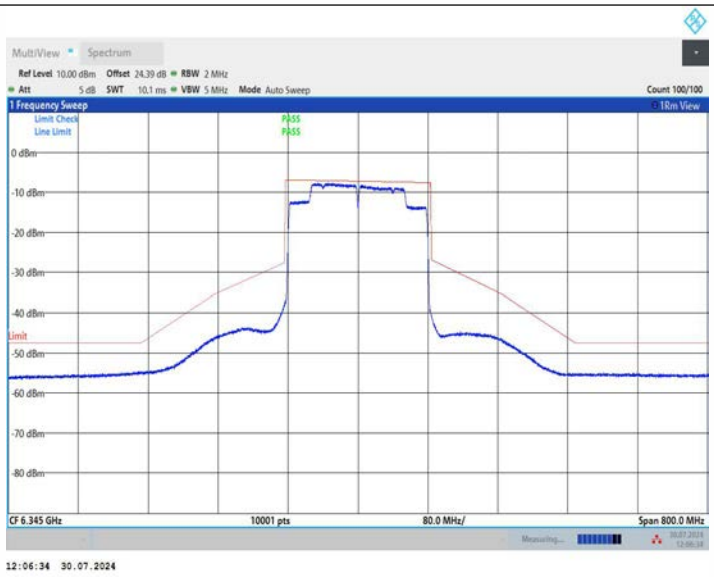

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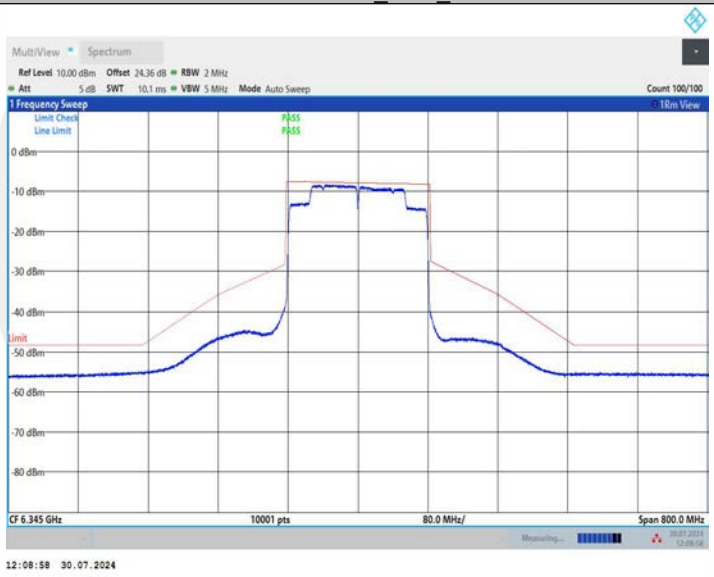

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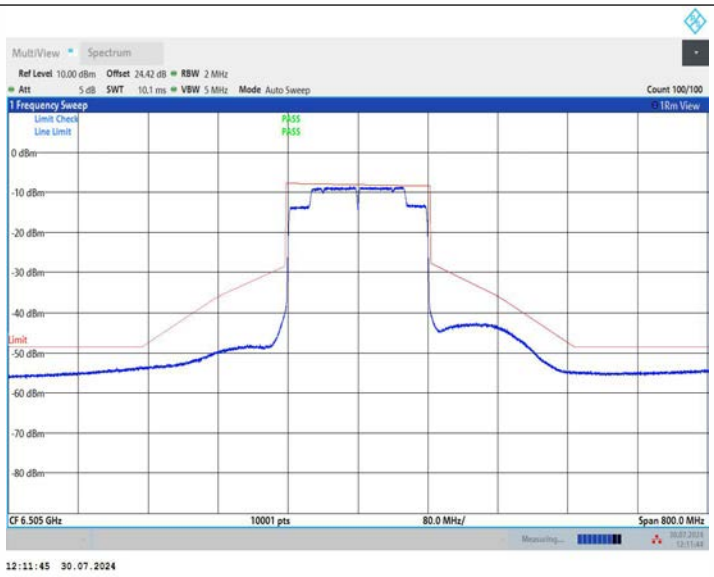

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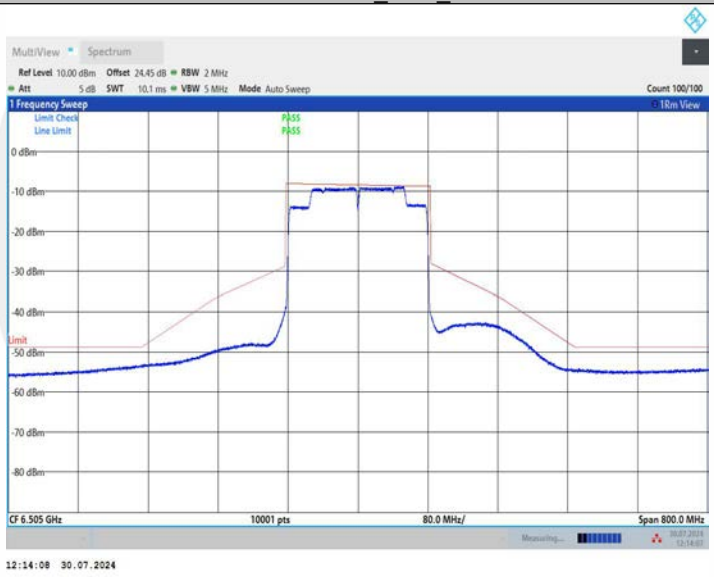

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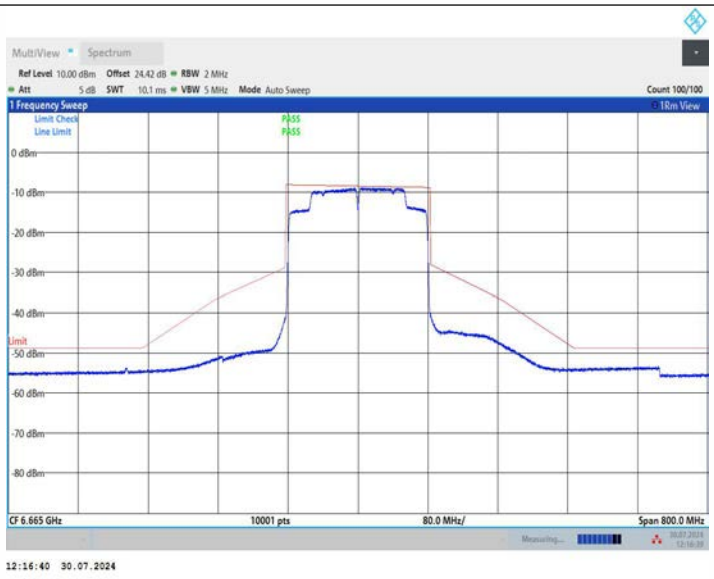

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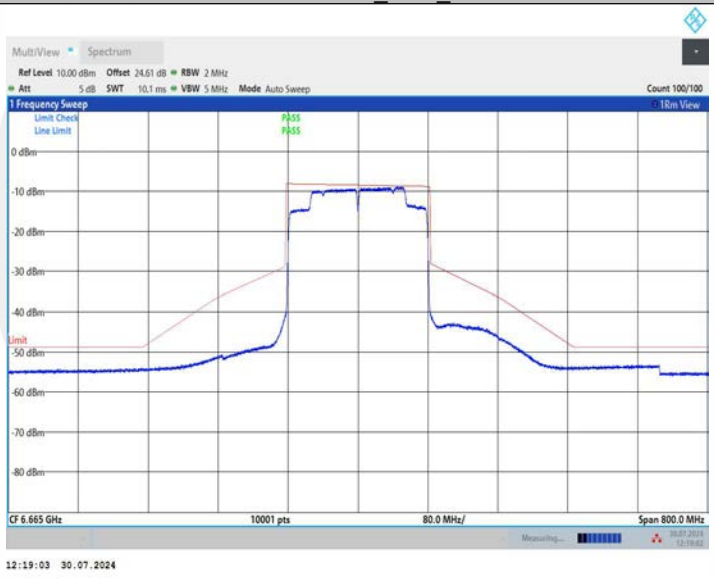

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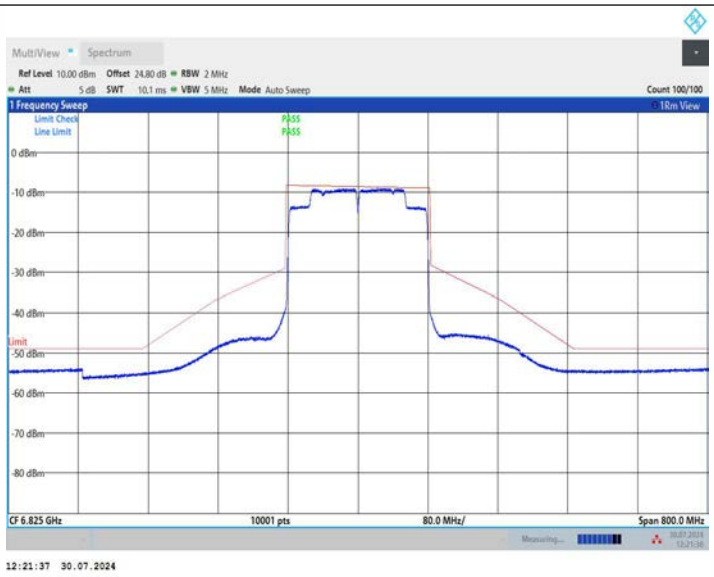

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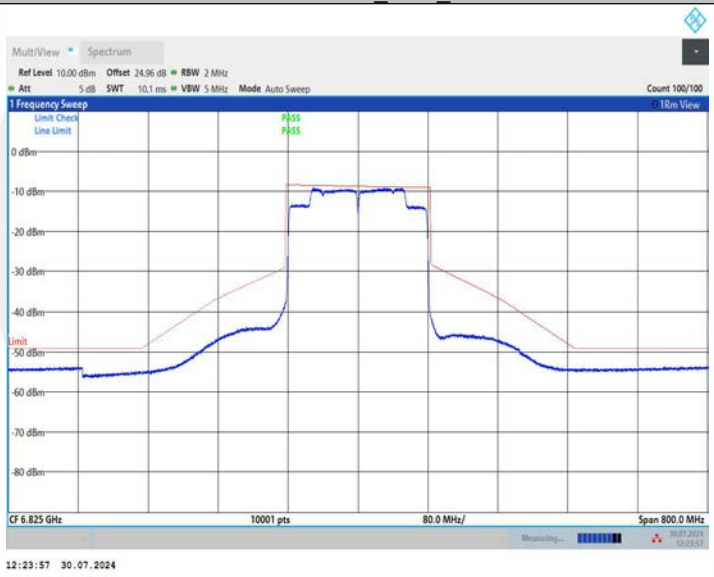

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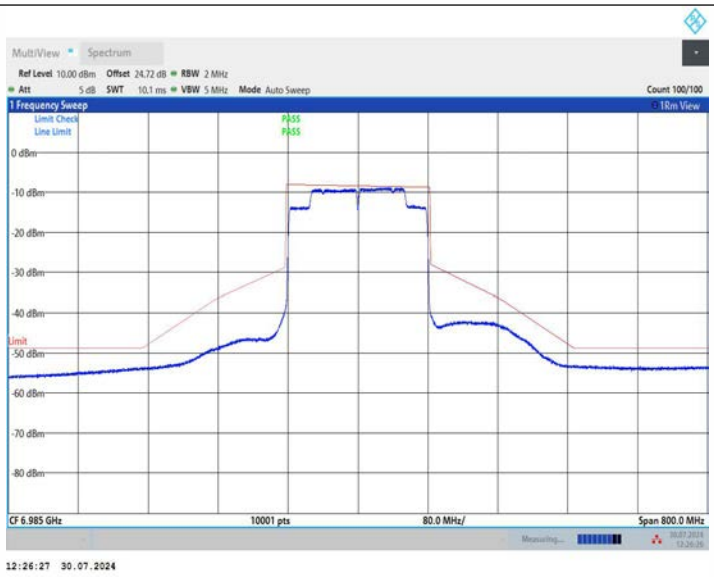

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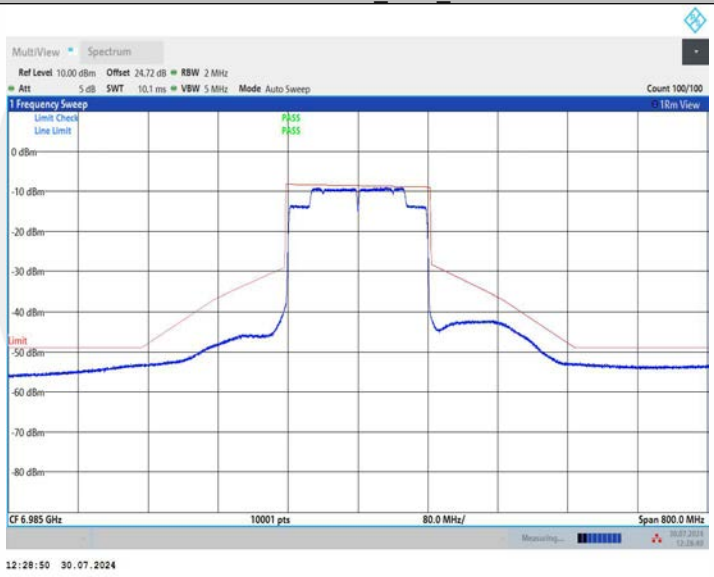


8.5 CONTENTION BASED PROTOCOL

8.5.1 Applicable Standard

According to FCC Part 15.407(d)
According to 987594 D02 Section II.I
According to RSS-248 4.8

8.5.2 Conformance Limit

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.
Unlicensed low-power indoor 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 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, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

8.5.3 Test Configuration

a) Simulating Incumbent Signal
The incumbent signal is assumed to be noise-like. One example of such transmission could be Digital Video Broadcasting (DVB) systems that use Orthogonal Frequency Division Multiplexing (OFDM). Incumbent systems may also use different bandwidths for their transmissions. A 10 MHz-wide additive white Gaussian noise (AWGN) signal is selected to simulate and represent incumbent transmission.
b) Required number of tests
Incumbent and EUT (access point, subordinate or client) signals may occupy different portions of the channel. Depending on the EUT transmission bandwidth and incumbent signal center frequency

(simulated by a 10 MHz-wide AWGN signal), the center frequency of the EUT signal $fc1$ may fall within

the incumbent's occupied bandwidth, or outside of it.

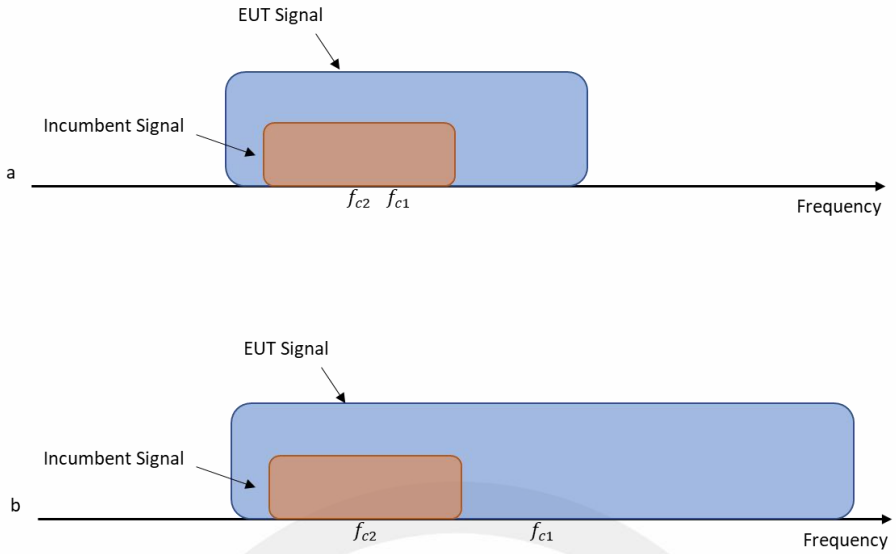


Figure. Two possible scenarios where a) center frequency of EUT transmission falls within incumbent's bandwidth, or b) outside of it

To ensure EUT reliably detects an incumbent signal in both scenarios shown in Figure, the detection threshold test may be repeated more than once with the incumbent signal (having center frequency $fc2$) tuned to different center frequencies within the UT transmission bandwidth. The criteria specified in Table determines how many times the detection threshold test must be performed;

Table. 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 ($fc1 = fc2$)
$BW_{Inc} \leq BW_{EUT} \leq 2BW_{Inc}$	Once	Incumbent transmission is contained within BW_{EUT}
$2BW_{Inc} \leq BW_{EUT} \leq 4BW_{Inc}$	Twice. Incumbent transmission is contained within BW_{EUT}	Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel
$BW_{EUT} > 4BW_{Inc}$	Three times	Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of 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)

$fc1$: Center frequency of EUT transmission

$fc2$: Center frequency of simulated incumbent signal

8.5.4 Test Procedure

To ensure the EUT is capable of detecting co-channel energy, the first step is to configure the EUT to transmit with a constant duty cycle. To simulate an incumbent signal, a signal generator (or similar source) that is capable of generating band-limited additive white Gaussian noise (AWGN) is required. Depending on the EUT antenna configuration, the AWGN signal can be provided to the EUT receiver via a conducted method (Figure). Figure shows the conducted test setup where a band-limited AWGN signal is generated at a very low power level and injected into the EUT's antenna port. The AWGN signal power level is then incrementally increased while the EUT transmission is monitored on a signal analyzer 2 to verify if the EUT can sense the AWGN signal and can subsequently cease its transmission. A triggered measurement, as shown in Figure, is optional, and assists with determining the time it takes the EUT to cease transmission (or vacate the channel) upon detecting RF energy. If the EUT has only one antenna port, then an AWGN signal source can be connected to the same antenna port.

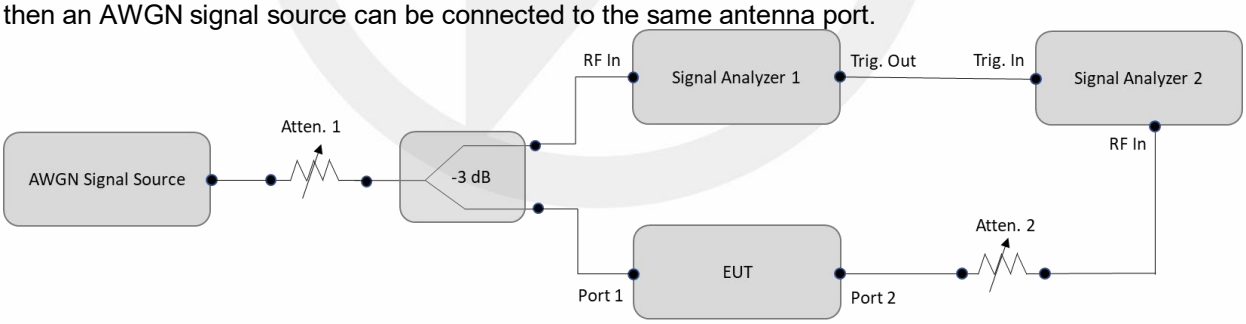


Figure. Contention-based protocol test setup, conducted method Step-by-Step Procedure, Conducted Setup

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 EUT 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 Figure. 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 Figure.
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 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.

8.5.5 Test Results

PASS

Temperature :	25℃	ATM Pressure:	1011 mbar
Humidity :	45 %	Test Engineer:	XXH

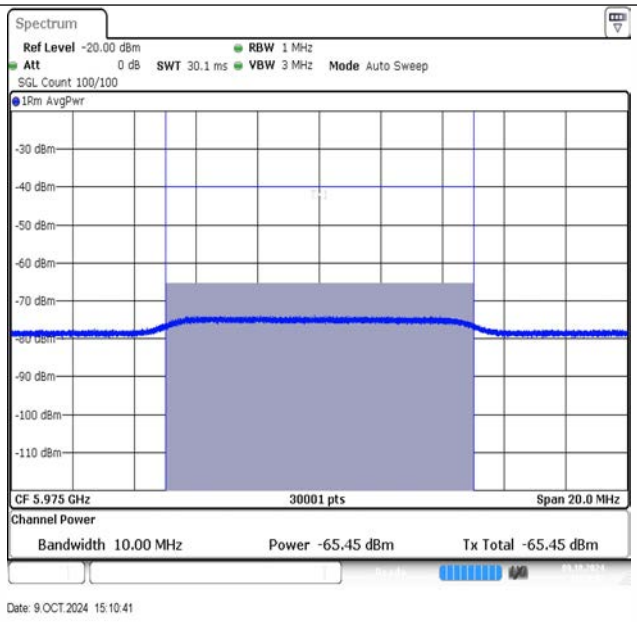
All antennas and modulation modes are tested, the data of the worst mode is described in the table.

Test Mode	Antenna Gain [dBi]	Channel	Interference Frequency [MHz]		EUT Tx Status	Injected (AWGN) Power [dBm]	Path Loss [dB]	Adjusted Power [dBm]	Detection Limit [dBm]	Margin[dBm]	Detection Rate		Verdict
											Result [%]	Limit [%]	
11AX20	2.22	5975	Center	5975	OFF	-65.45	0	-67.67	-62	5.67	100	90	PASS
11AX20	2.22	5975	Center	5975	Minimal	-66.44	0	-68.66	-62	---	0	---	---
11AX20	2.22	5975	Center	5975	ON	-70	0	-72.22	-62	---	---	---	---
11AX20	2.22	6455	Center	6455	OFF	-67.18	0	-69.40	-62	7.40	100	90	PASS
11AX20	2.22	6455	Center	6455	Minimal	-67.74	0	-69.96	-62	---	0	---	---
11AX20	2.22	6455	Center	6455	ON	-73	0	-75.22	-62	---	---	---	---
11AX20	2.22	6535	Center	6535	OFF	-68.82	0	-71.04	-62	9.04	100	90	PASS
11AX20	2.22	6535	Center	6535	Minimal	-69.12	0	-71.34	-62	---	0	---	---
11AX20	2.22	6535	Center	6535	ON	-74	0	-76.22	-62	---	---	---	---
11AX20	2.22	6935	Center	6935	OFF	-62.93	0	-65.15	-62	3.15	100	90	PASS
11AX20	2.22	6935	Center	6935	Minimal	-63.46	0	-65.68	-62	---	0	---	---
11AX20	2.22	6935	Center	6935	ON	-73	0	-75.22	-62	---	---	---	---
11AX160	2.22	6025	Center	6100	OFF	-65.88	0	-68.10	-62	6.10	100	90	PASS
11AX160	2.22	6025	Center	6025	OFF	-64.41	0	-66.63	-62	4.63	100	90	PASS
11AX160	2.22	6025	Center	5950	OFF	-65.07	0	-67.29	-62	5.29	100	90	PASS
11AX160	2.22	6025	Center	6100	Minimal	-66.28	0	-68.50	-62	---	0	---	---
11AX160	2.22	6025	Center	6025	Minimal	-64.99	0	-67.21	-62	---	0	---	---
11AX160	2.22	6025	Center	5950	Minimal	-65.65	0	-67.87	-62	---	0	---	---
11AX160	2.22	6025	Center	6100	ON	-70	0	-72.22	-62	---	---	---	---
11AX160	2.22	6025	Center	6025	ON	-66	0	-68.22	-62	---	---	---	---
11AX160	2.22	6025	Center	5950	ON	-70	0	-72.22	-62	---	---	---	---
11AX160	2.22	6505	Center	6580	OFF	-67.66	0	-69.88	-62	7.88	100	90	PASS
11AX160	2.22	6505	Center	6505	OFF	-68.22	0	-70.44	-62	8.44	100	90	PASS
11AX160	2.22	6505	Center	6430	OFF	-63.88	0	-66.10	-62	4.10	100	90	PASS
11AX160	2.22	6505	Center	6580	Minimal	-68.11	0	-70.33	-62	---	0	---	---
11AX160	2.22	6505	Center	6505	Minimal	-68.62	0	-70.84	-62	---	0	---	---
11AX160	2.22	6505	Center	6430	Minimal	-64.69	0	-66.91	-62	---	0	---	---
11AX160	2.22	6505	Center	6580	ON	-70	0	-72.22	-62	---	---	---	---
11AX160	2.22	6505	Center	6505	ON	-66	0	-68.22	-62	---	---	---	---
11AX160	2.22	6505	Center	6430	ON	-66	0	-68.22	-62	---	---	---	---
11AX160	2.22	6665	Center	6740	OFF	-66.45	0	-68.67	-62	6.67	100	90	PASS
11AX160	2.22	6665	Center	6665	OFF	-65.98	0	-68.20	-62	6.20	100	90	PASS
11AX160	2.22	6665	Center	6590	OFF	-63.05	0	-65.27	-62	3.27	100	90	PASS
11AX160	2.22	6665	Center	6740	Minimal	-66.97	0	-69.19	-62	---	0	---	---
11AX160	2.22	6665	Center	6665	Minimal	-66.58	0	-68.80	-62	---	0	---	---
11AX160	2.22	6665	Center	6590	Minimal	-63.87	0	-66.09	-62	---	0	---	---
11AX160	2.22	6665	Center	6740	ON	-68	0	-70.22	-62	---	---	---	---
11AX160	2.22	6665	Center	6665	ON	-68	0	-70.22	-62	---	---	---	---
11AX160	2.22	6665	Center	6590	ON	-65	0	-67.22	-62	---	---	---	---
11AX160	2.22	6985	Center	7060	OFF	-62.13	0	-64.35	-62	2.35	100	90	PASS
11AX160	2.22	6985	Center	6985	OFF	-59.8	0	-62.02	-62	0.02	100	90	PASS
11AX160	2.22	6985	Center	6910	OFF	-65.31	0	-67.53	-62	5.53	100	90	PASS
11AX160	2.22	6985	Center	7060	Minimal	-63.03	0	-65.25	-62	---	0	---	---
11AX160	2.22	6985	Center	6985	Minimal	-60.55	0	-62.77	-62	---	0	---	---
11AX160	2.22	6985	Center	6910	Minimal	-65.52	0	-67.74	-62	---	0	---	---
11AX160	2.22	6985	Center	7060	ON	-65	0	-67.22	-62	---	---	---	---
11AX160	2.22	6985	Center	6985	ON	-61	0	-63.22	-62	---	---	---	---
11AX160	2.22	6985	Center	6910	ON	-68	0	-70.22	-62	---	---	---	---

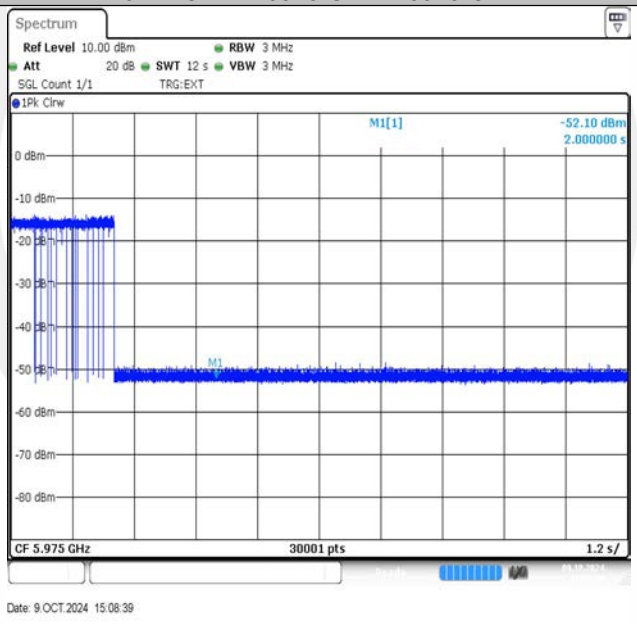
Note 1: Margin = Detection Limit - Adjusted Power
Note 2: Adjusted Power= Injected AWGN Power - Antenna Gain + Path Loss
Note 3: The device does not use channel puncturing and bandwidth reduction for the purpose of incumbent avoidance.

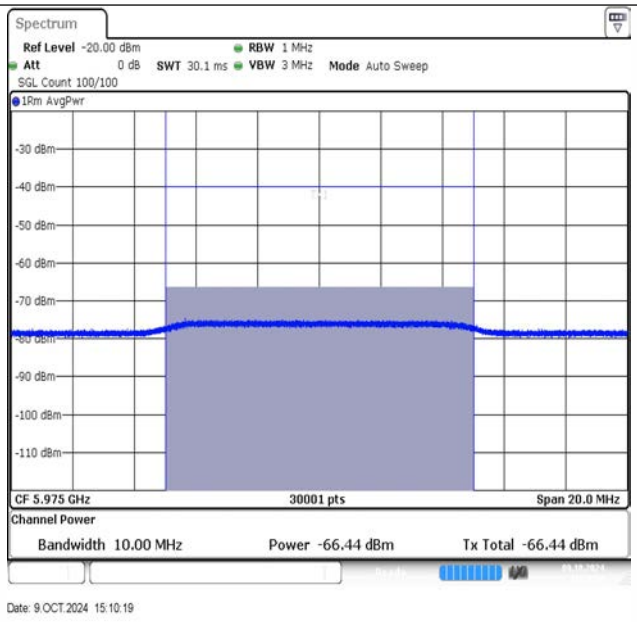
Test Mode	Antenna Gain [dBi]	Channel	Interference Frequency [MHz]		Injected (AWGN) Power [dBm]	EUT Tx Status	T 1	T 2	T 3	T 4	T 5	T 6	T 7	T 8	T 9	T1 0	Rate [%]	Limit [%]	Verdict
11AX20	2.22	5975	Center	5975	-67.67	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX20	2.22	5975	Center	5975	-68.66	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX20	2.22	5975	Center	5975	-72.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX20	2.22	6455	Center	6455	-69.40	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX20	2.22	6455	Center	6455	-69.96	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX20	2.22	6455	Center	6455	-75.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX20	2.22	6535	Center	6535	-71.04	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX20	2.22	6535	Center	6535	-71.34	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX20	2.22	6535	Center	6535	-76.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX20	2.22	6935	Center	6935	-65.15	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX20	2.22	6935	Center	6935	-65.68	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX20	2.22	6935	Center	6935	-75.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX160	2.22	6025	Center	6100	-68.10	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX160	2.22	6025	Center	6025	-66.63	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX160	2.22	6025	Center	5950	-67.29	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX160	2.22	6025	Center	6100	-68.50	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	2.22	6025	Center	6025	-67.21	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	2.22	6025	Center	5950	-67.87	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	2.22	6025	Center	6100	-72.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX160	2.22	6025	Center	6025	-68.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX160	2.22	6025	Center	5950	-72.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX160	2.22	6505	Center	6580	-69.88	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX160	2.22	6505	Center	6505	-70.44	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX160	2.22	6505	Center	6430	-66.10	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX160	2.22	6505	Center	6580	-70.33	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	2.22	6505	Center	6505	-70.84	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	2.22	6505	Center	6430	-66.91	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	2.22	6505	Center	6580	-72.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX160	2.22	6505	Center	6505	-68.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX160	2.22	6505	Center	6430	-68.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX160	2.22	6665	Center	6740	-68.67	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX160	2.22	6665	Center	6665	-68.20	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX160	2.22	6665	Center	6590	-65.27	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX160	2.22	6665	Center	6740	-69.19	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	2.22	6665	Center	6665	-68.80	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	2.22	6665	Center	6590	-66.09	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	2.22	6665	Center	6740	-70.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX160	2.22	6665	Center	6665	-70.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX160	2.22	6665	Center	6590	-67.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX160	2.22	6985	Center	7060	-64.35	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX160	2.22	6985	Center	6985	-62.02	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX160	2.22	6985	Center	6910	-67.53	OFF	1	1	1	1	1	1	1	1	1	1	100	90	PASS
11AX160	2.22	6985	Center	7060	-65.25	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	2.22	6985	Center	6985	-62.77	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	2.22	6985	Center	6910	-67.74	Minimal	-	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	2.22	6985	Center	7060	-67.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX160	2.22	6985	Center	6985	-63.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-
11AX160	2.22	6985	Center	6910	-70.22	ON	-	-	-	-	-	-	-	-	-	-	-	-	-

Note 1: CBP Detection Trials (1=Detection, 0=No Detection).
Note 2: The device does not use channel puncturing and bandwidth reduction for the purpose of incumbent avoidance.

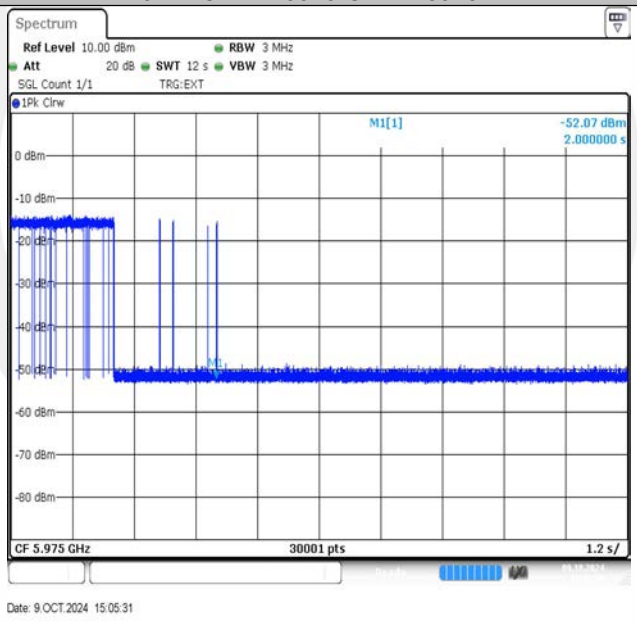


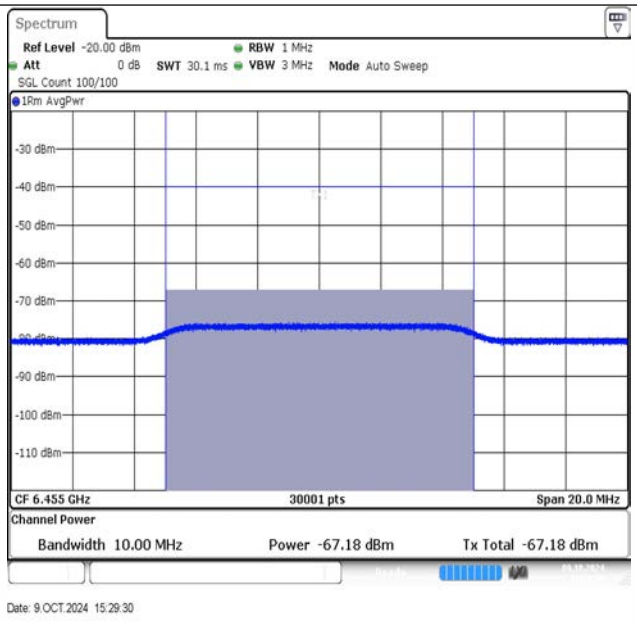
11AX20MIMO-Ant1-5975-Center-5975-OFF-PASS



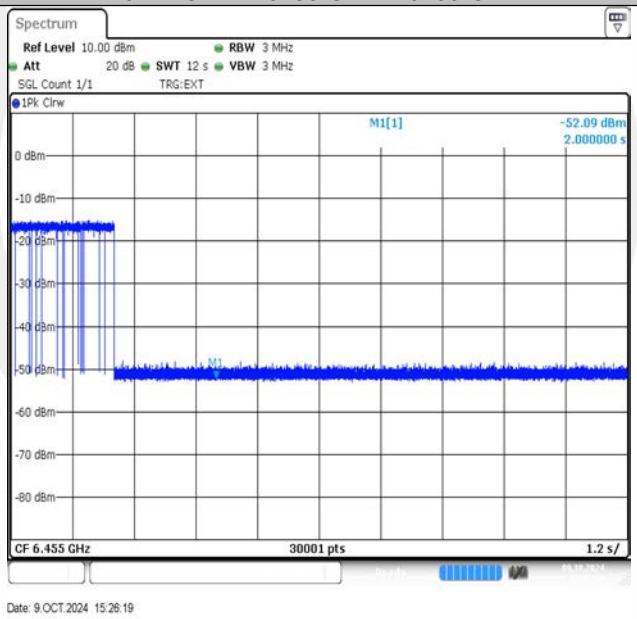


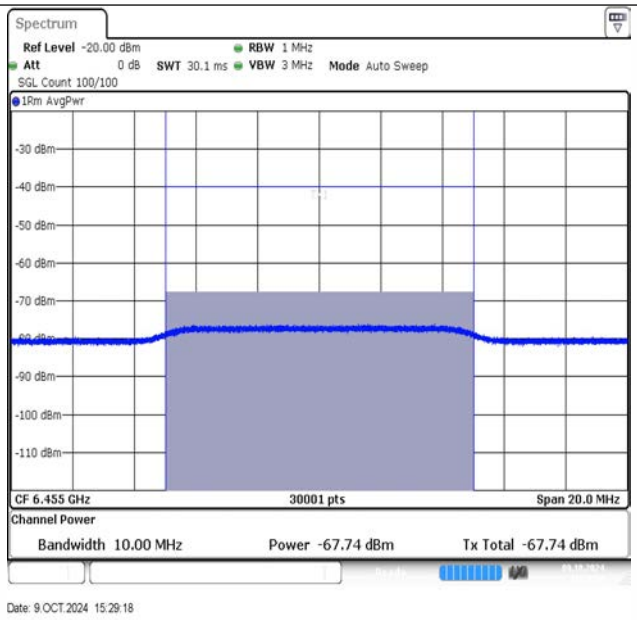
11AX20MIMO-Ant1-5975-Center-5975-Minimal



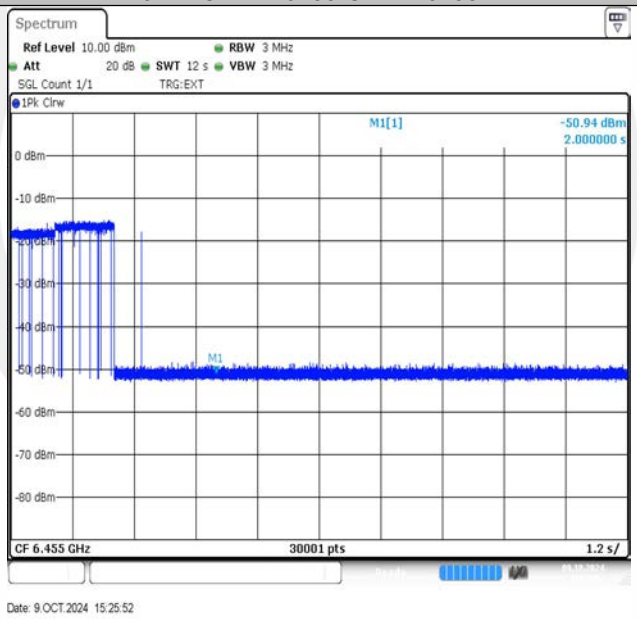


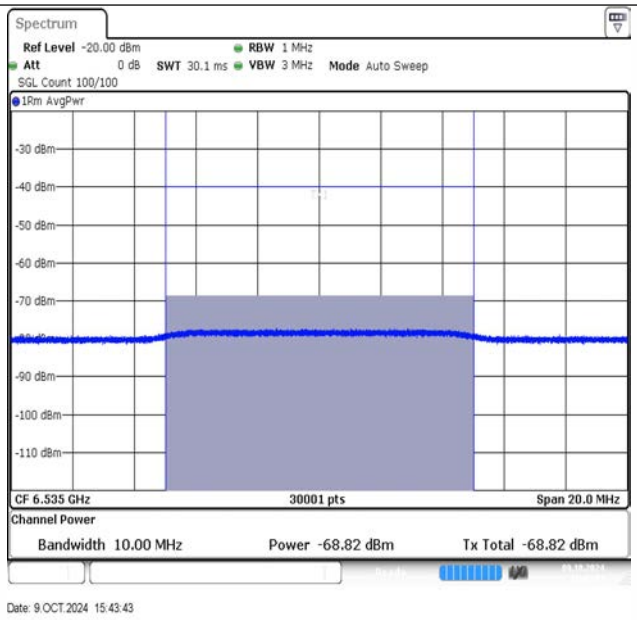
11AX20MIMO-Ant1-6455-Center-6455-OFF-PASS



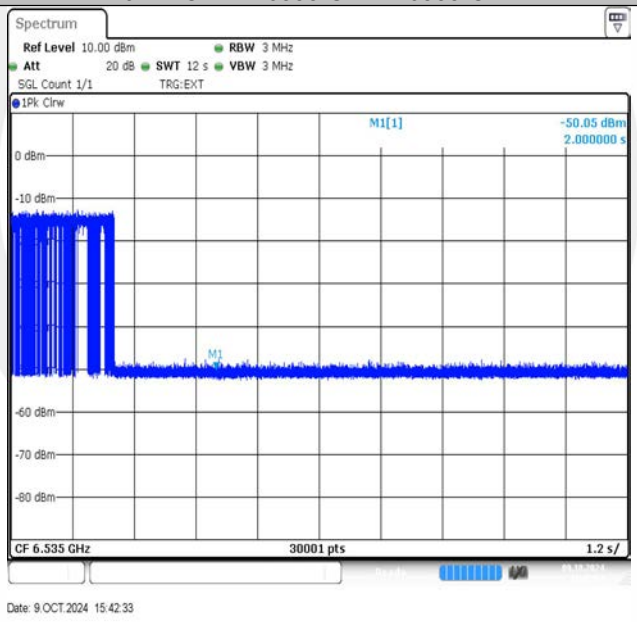


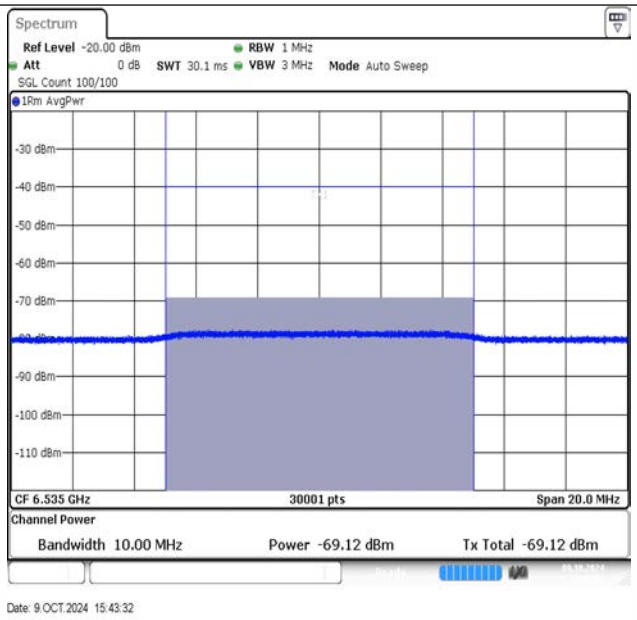
11AX20MIMO-Ant1-6455-Center-6455-Minimal



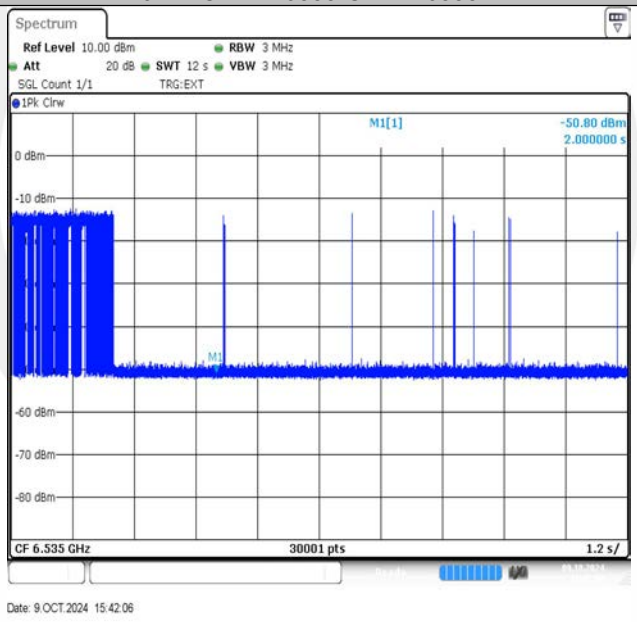


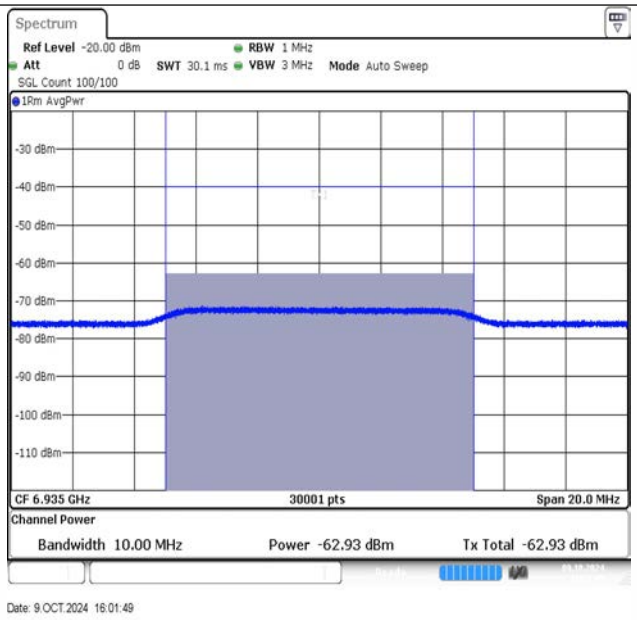
11AX20MIMO-Ant1-6535-Center-6535-OFF-PASS



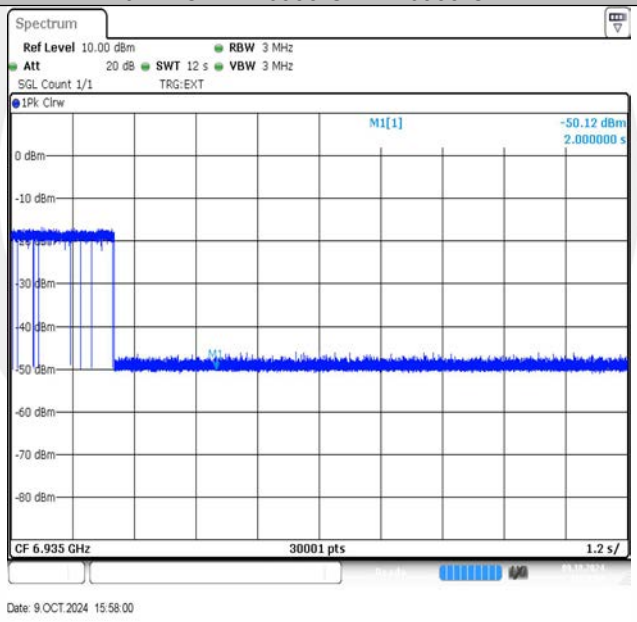


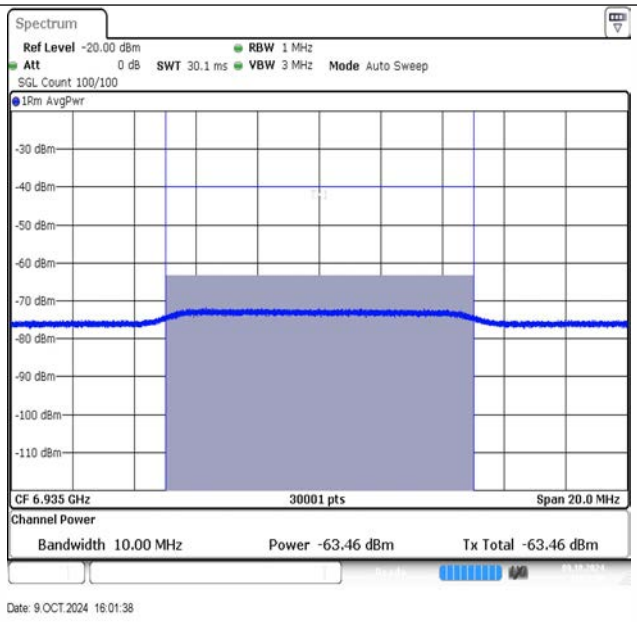
11AX20MIMO-Ant1-6535-Center-6535-Minimal



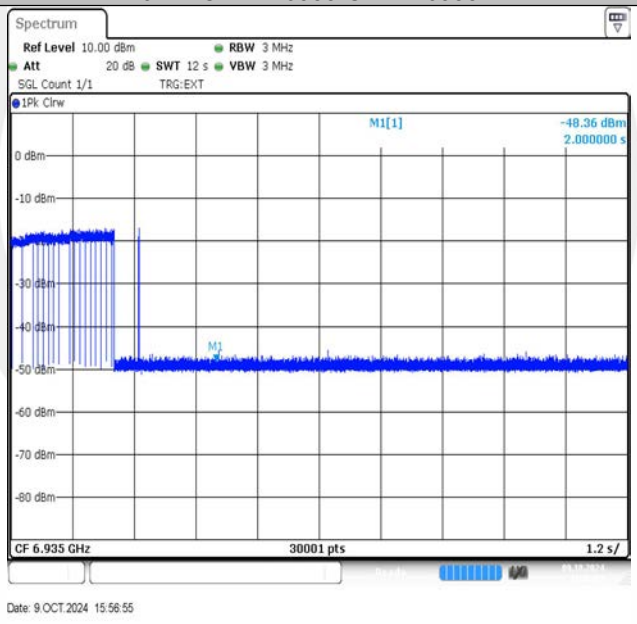


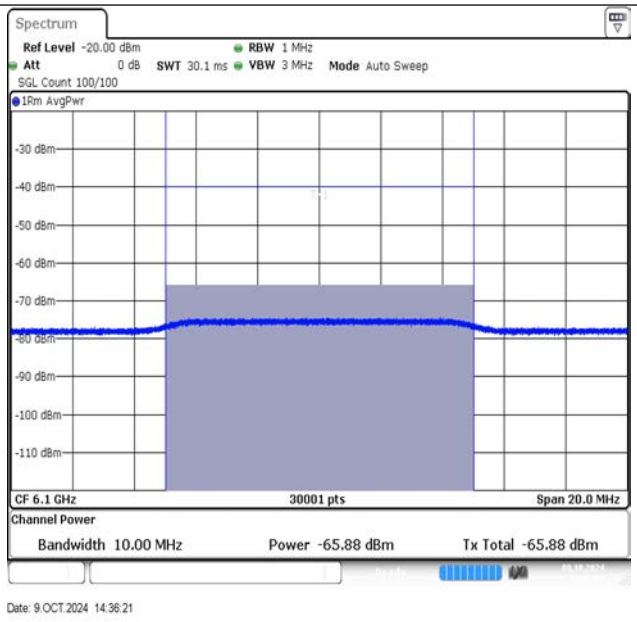
11AX20MIMO-Ant1-6935-Center-6935-OFF-PASS



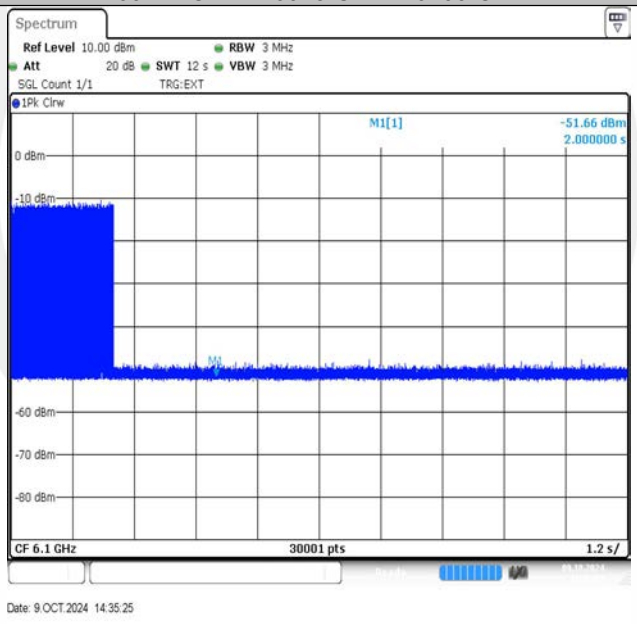


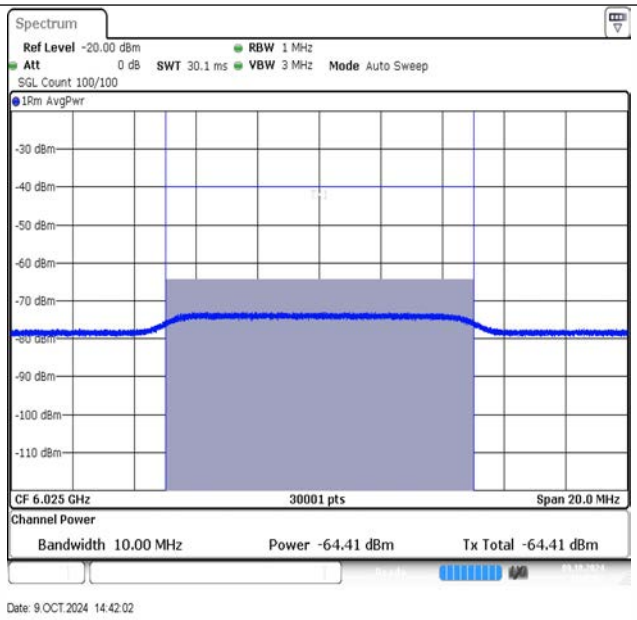
11AX20MIMO-Ant1-6935-Center-6935-Minimal



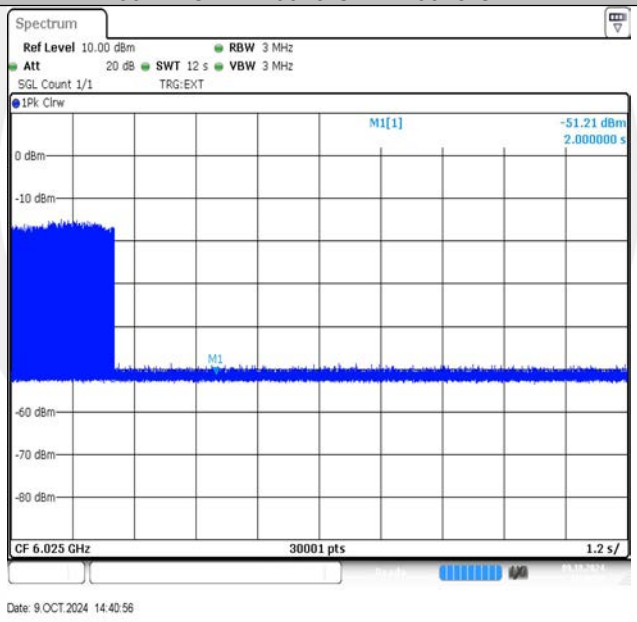


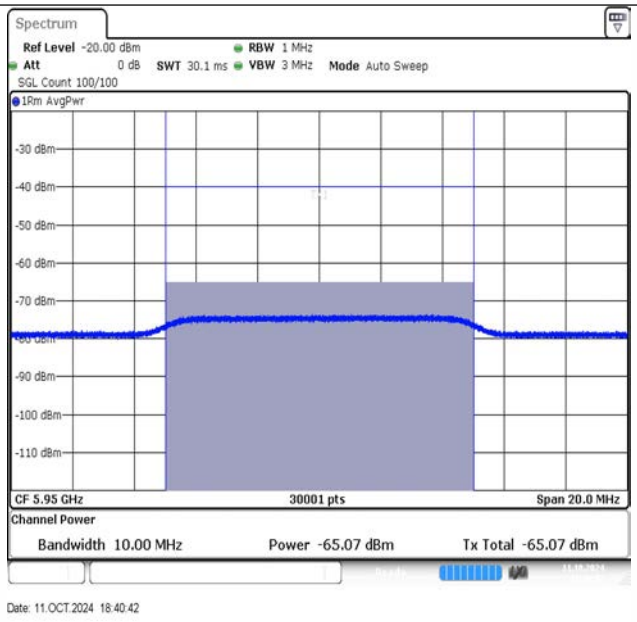
11AX160MIMO-Ant1-6025-Center-6100-OFF-PASS



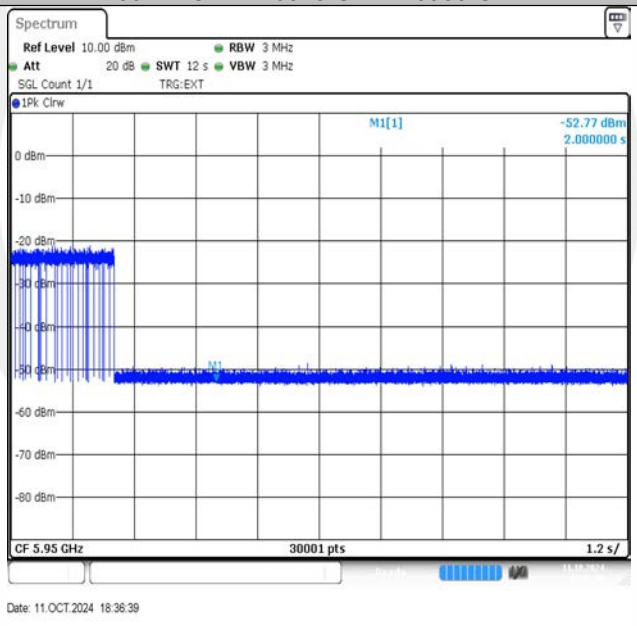


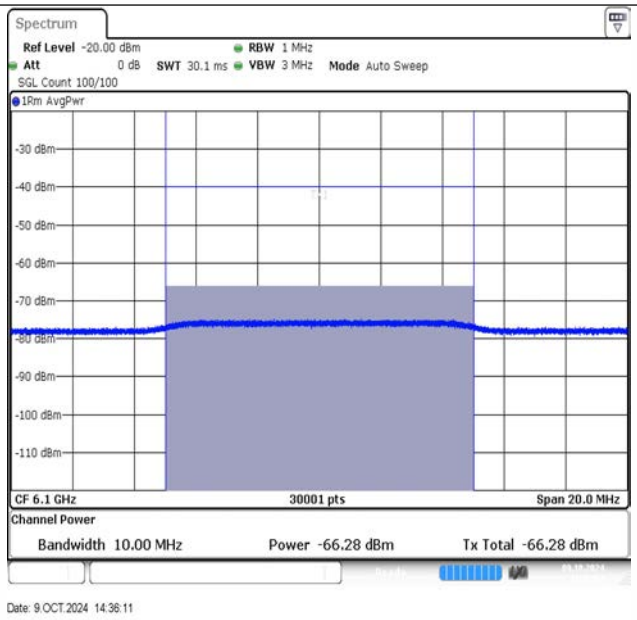
11AX160MIMO-Ant1-6025-Center-6025-OFF-PASS



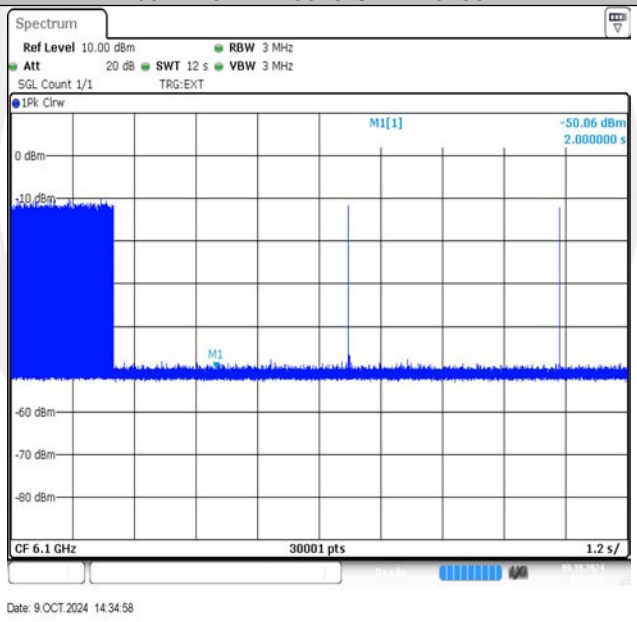


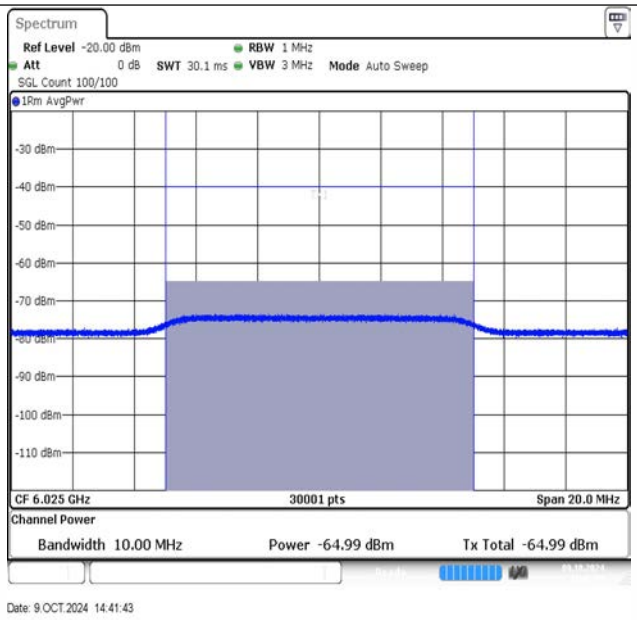
11AX160MIMO-Ant1-6025-Center-5950-OFF-PASS



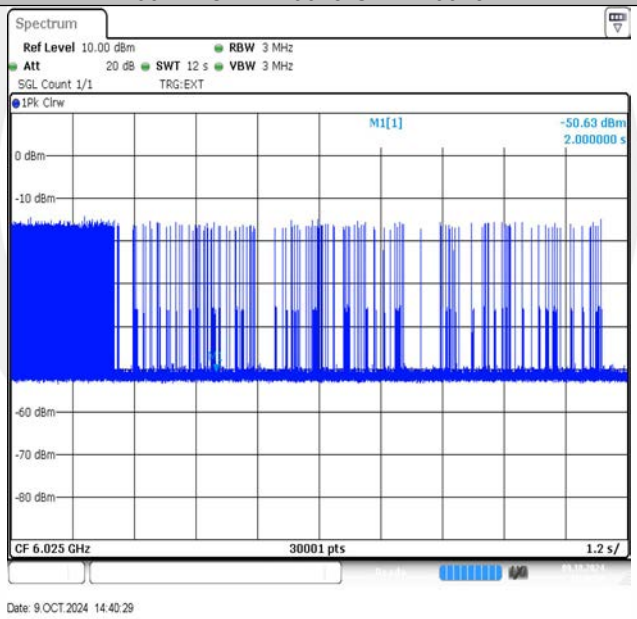


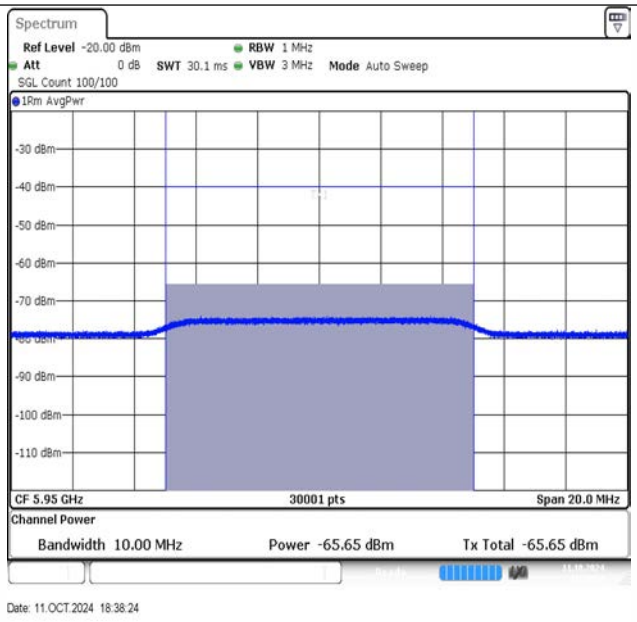
11AX160MIMO-Ant1-6025-Center-6100-Minimal



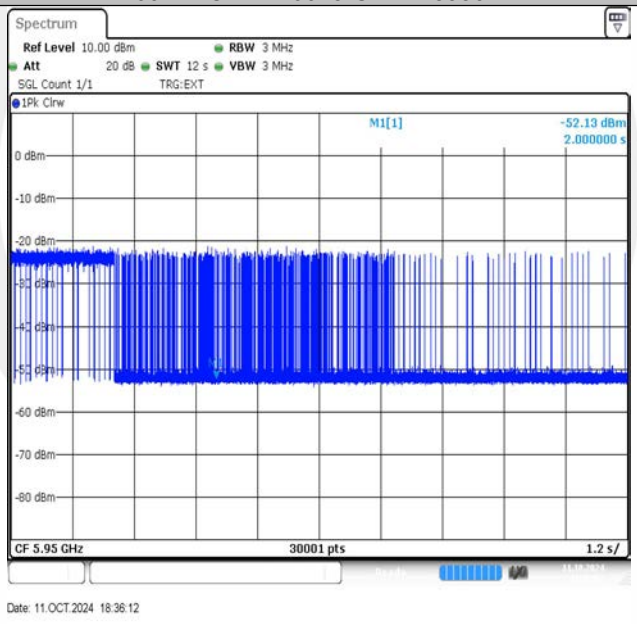


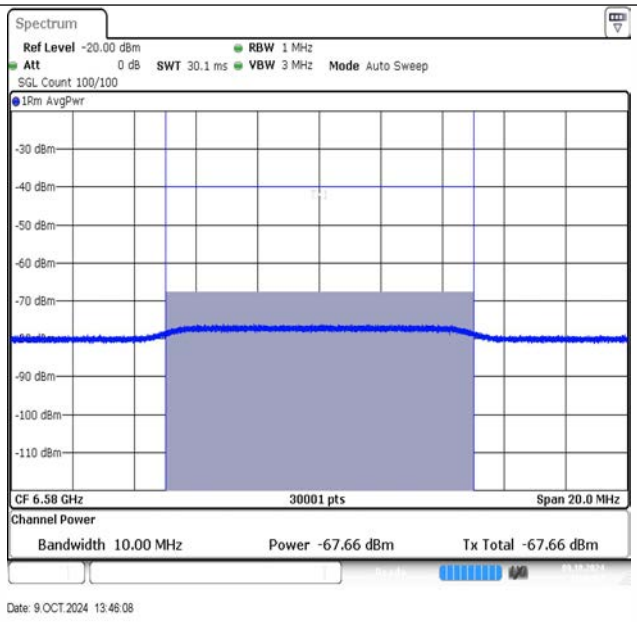
11AX160MIMO-Ant1-6025-Center-6025-Minimal



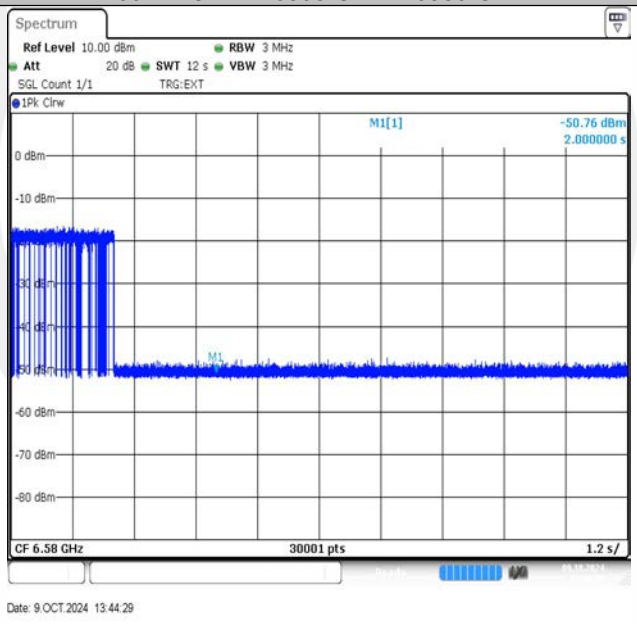


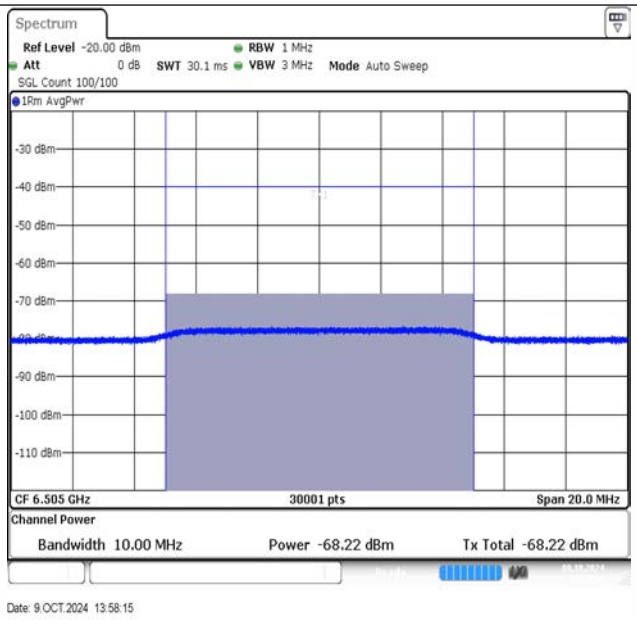
11AX160MIMO-Ant1-6025-Center-5950-Minimal





11AX160MIMO-Ant1-6505-Center-6580-OFF-PASS





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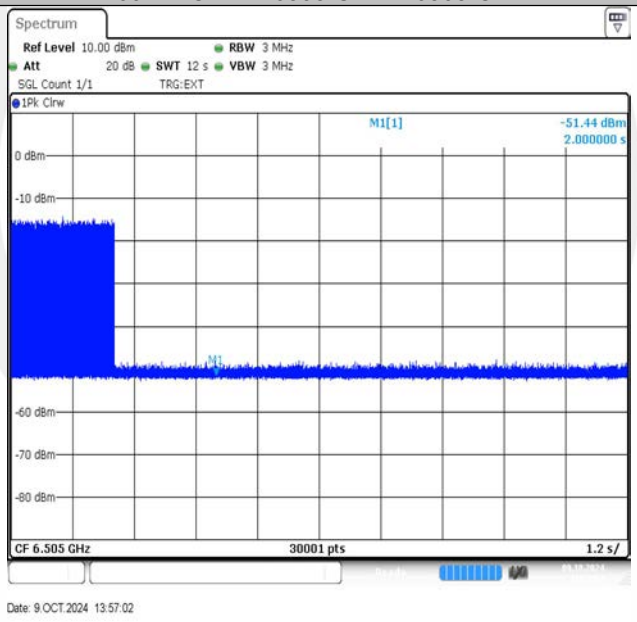

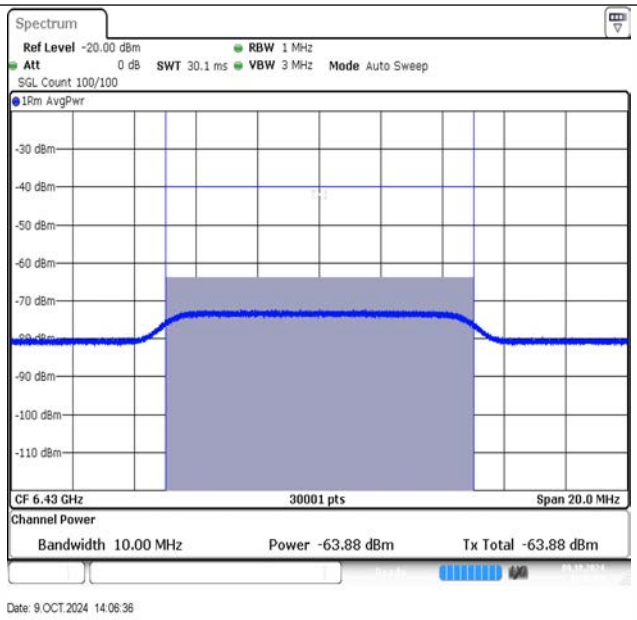

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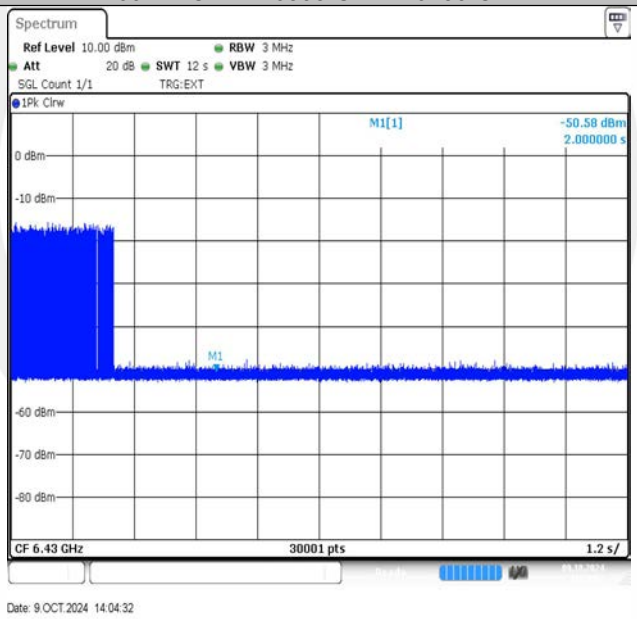
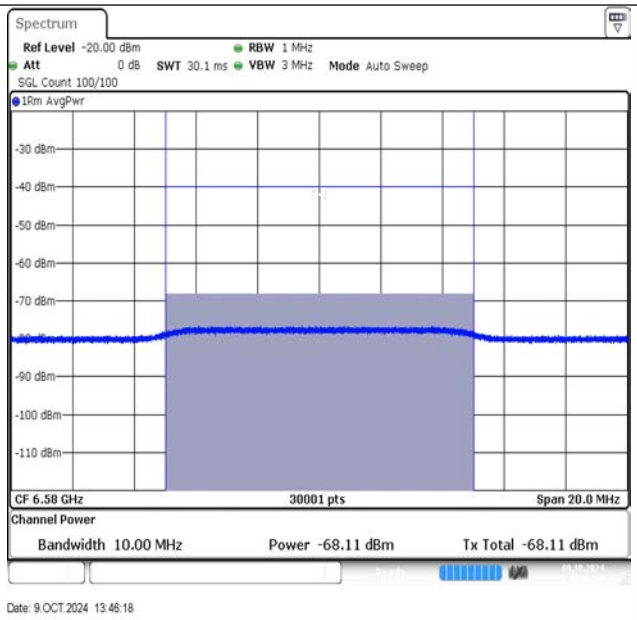
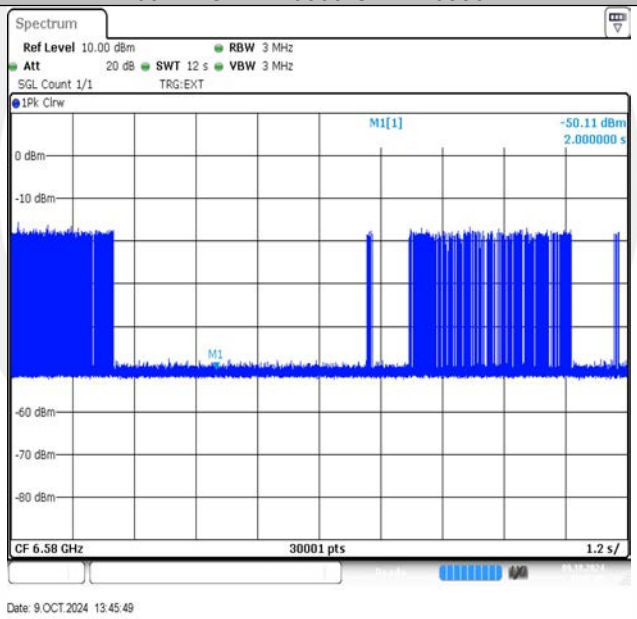
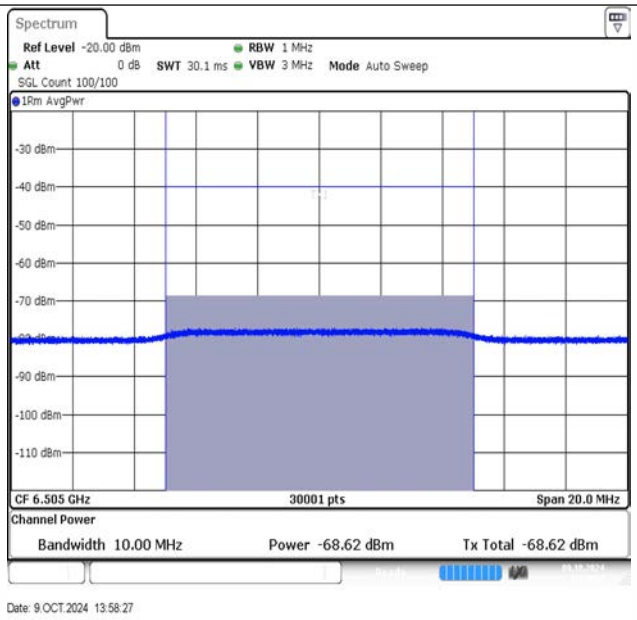




11AX160MIMO-Ant1-6505-Center-6580-Minimal





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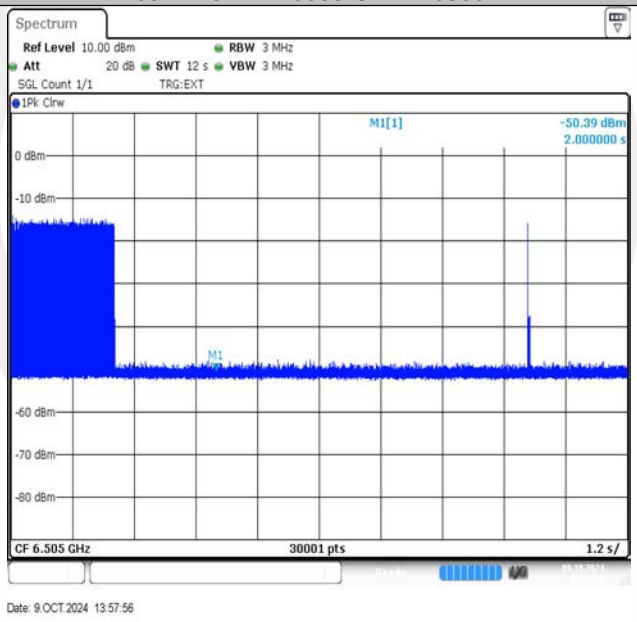

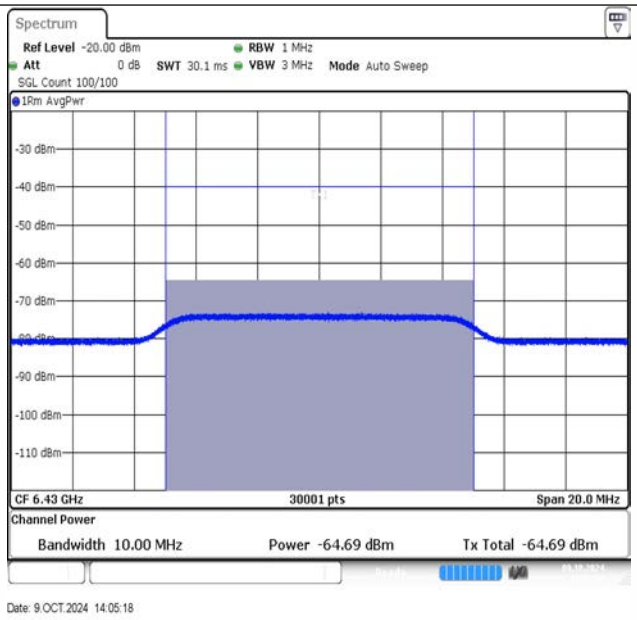

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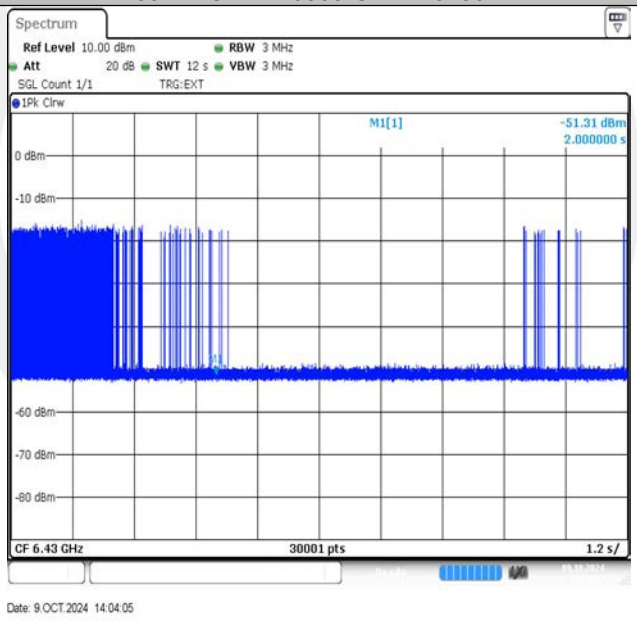
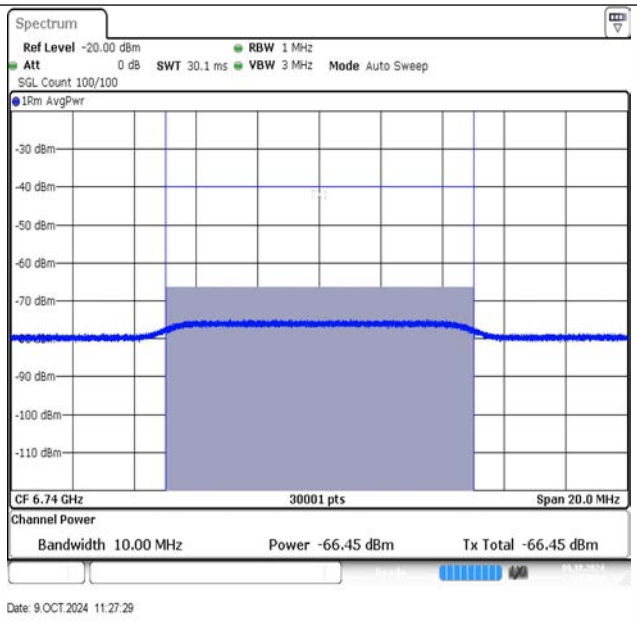
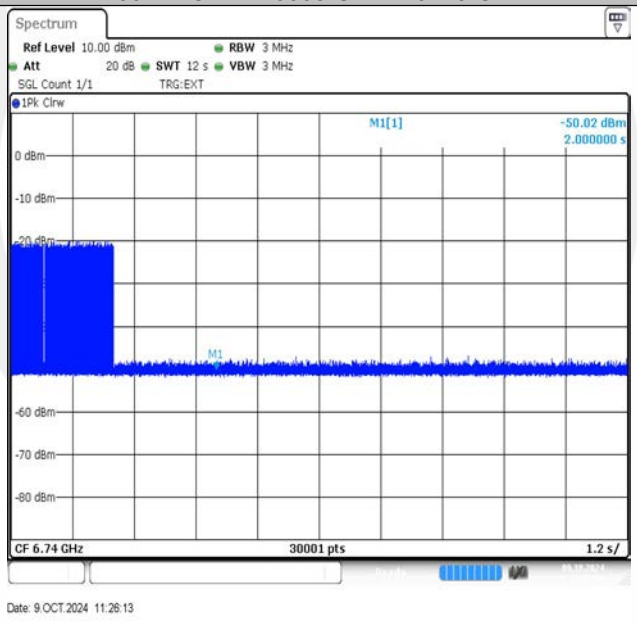
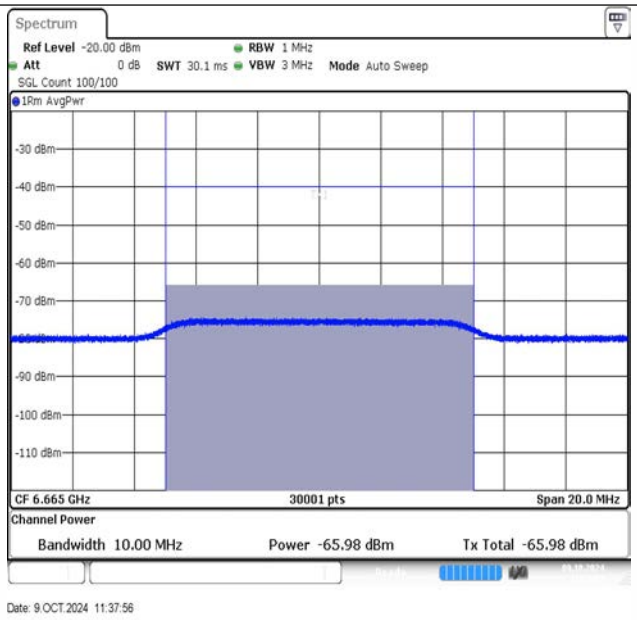




11AX160MIMO-Ant1-6665-Center-6740-OFF-PASS





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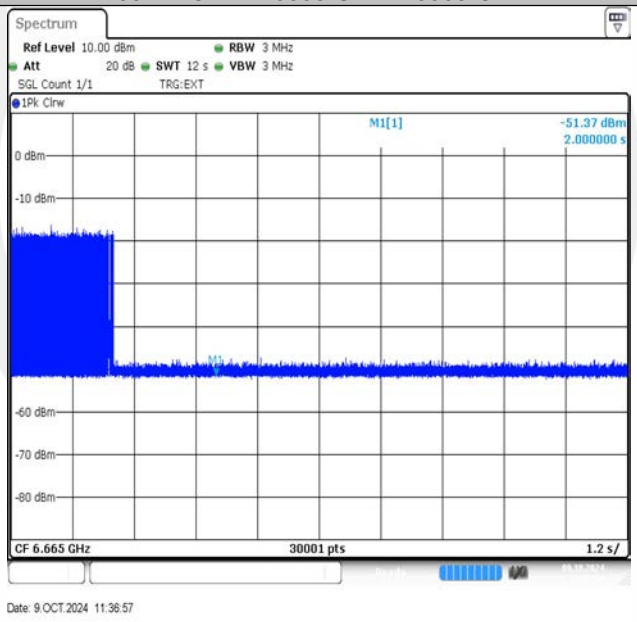
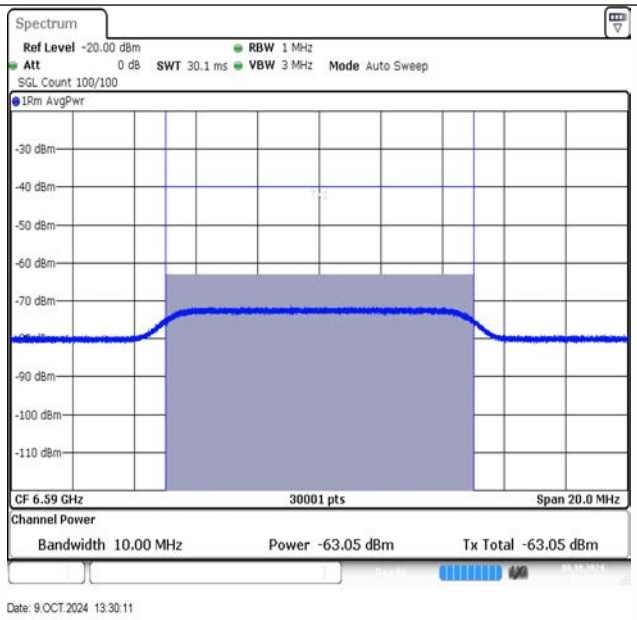
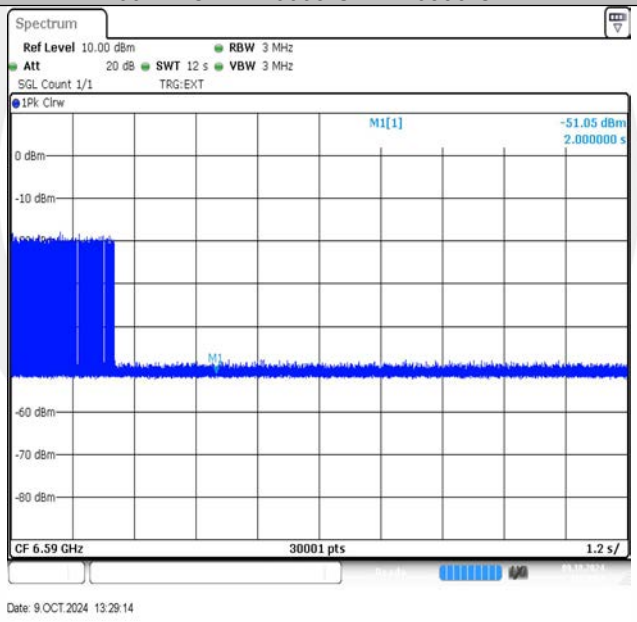
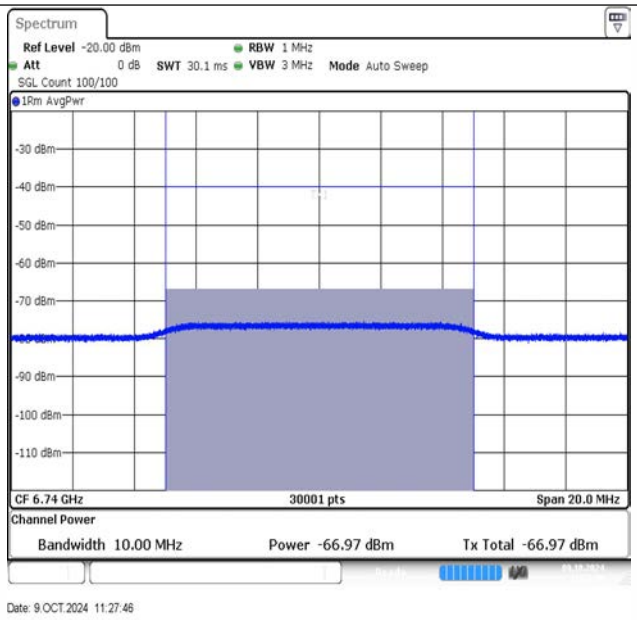


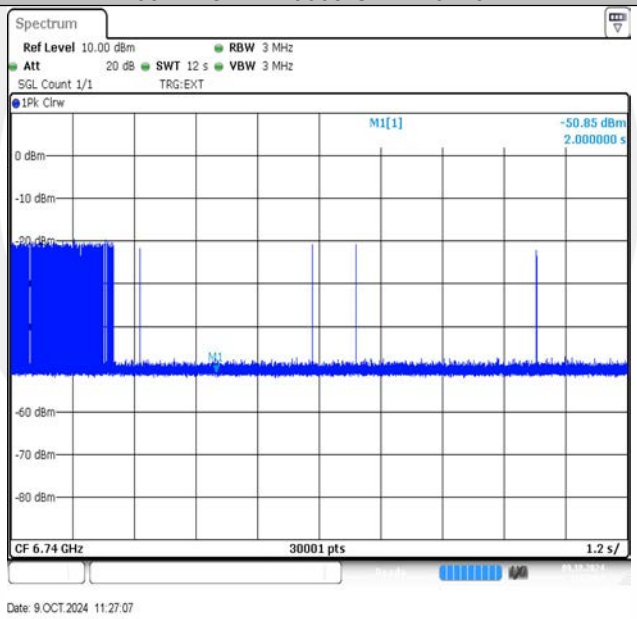


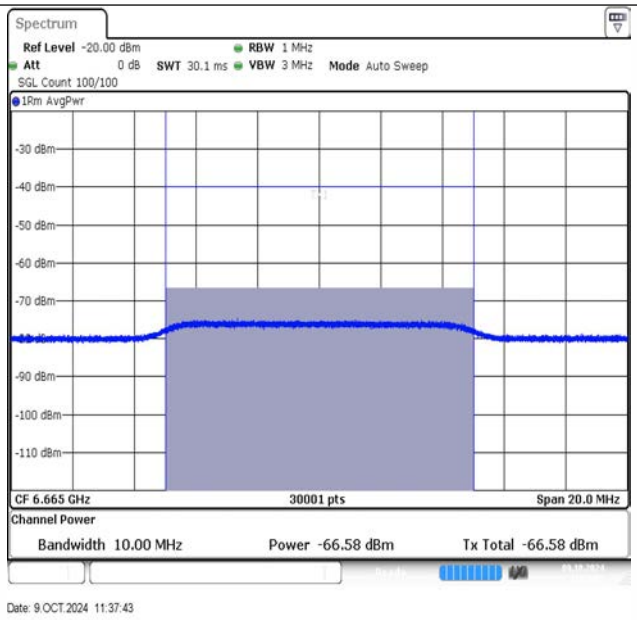
11AX160MIMO-Ant1-6665-Center-6590-OFF-PASS



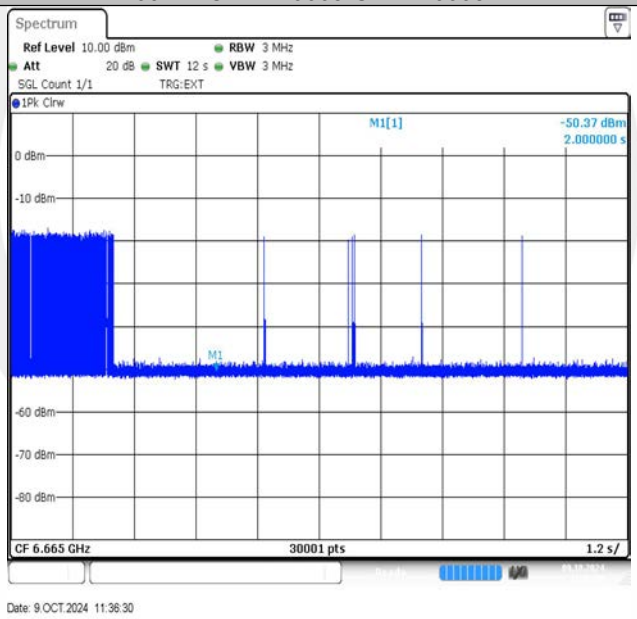


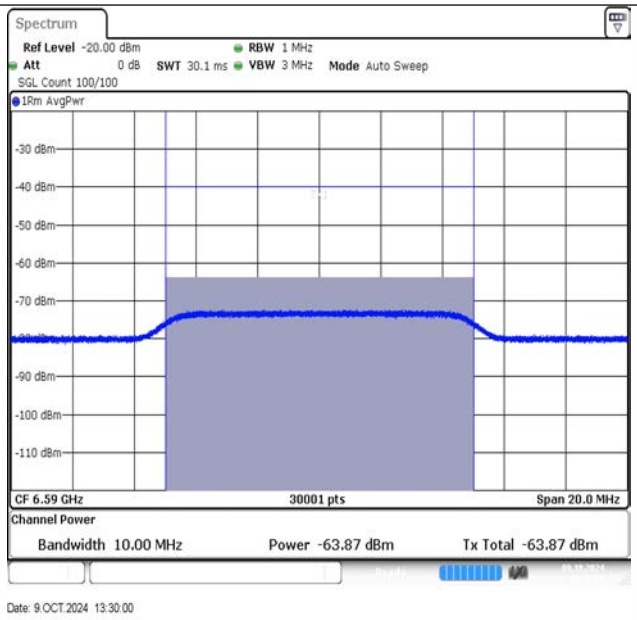
11AX160MIMO-Ant1-6665-Center-6740-Minimal



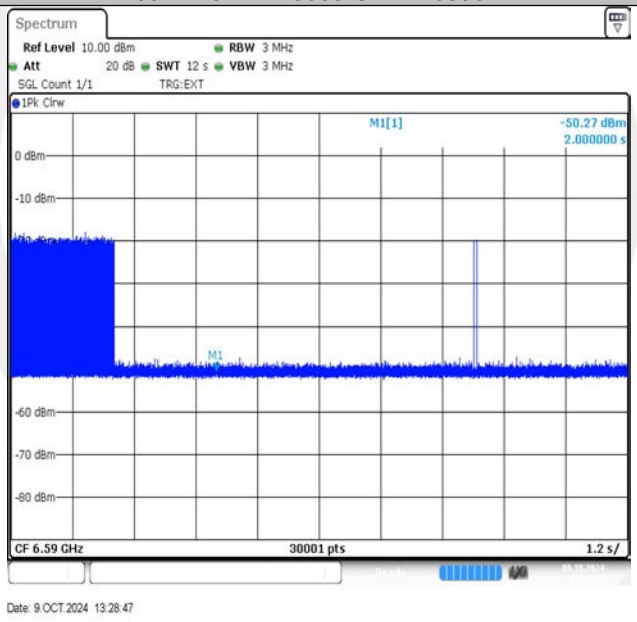


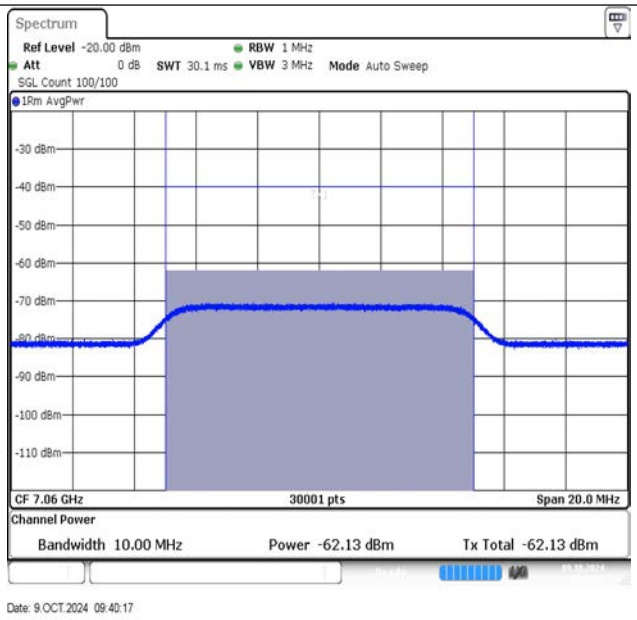
11AX160MIMO-Ant1-6665-Center-6665-Minimal



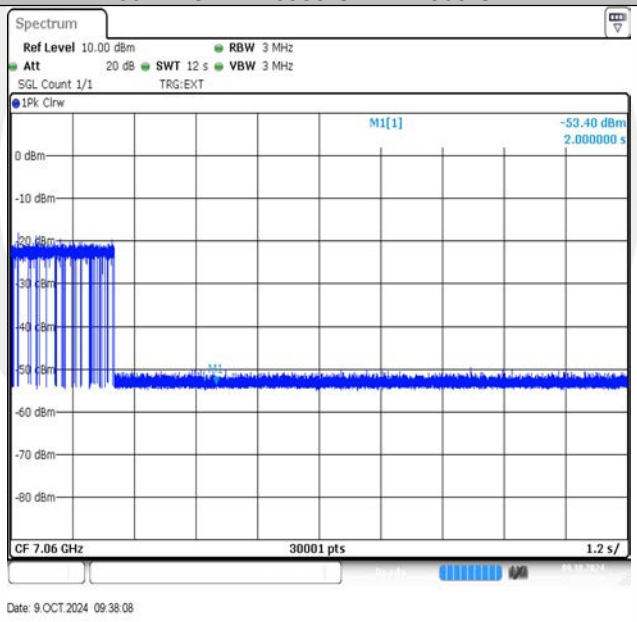


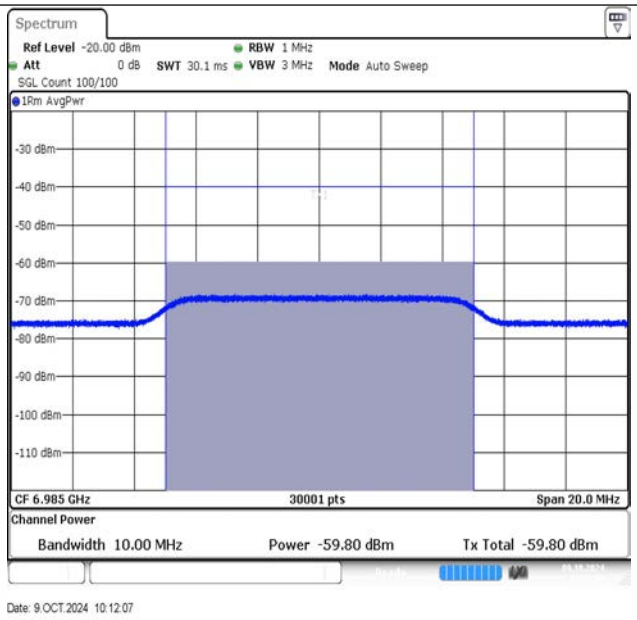
11AX160MIMO-Ant1-6665-Center-6590-Minimal



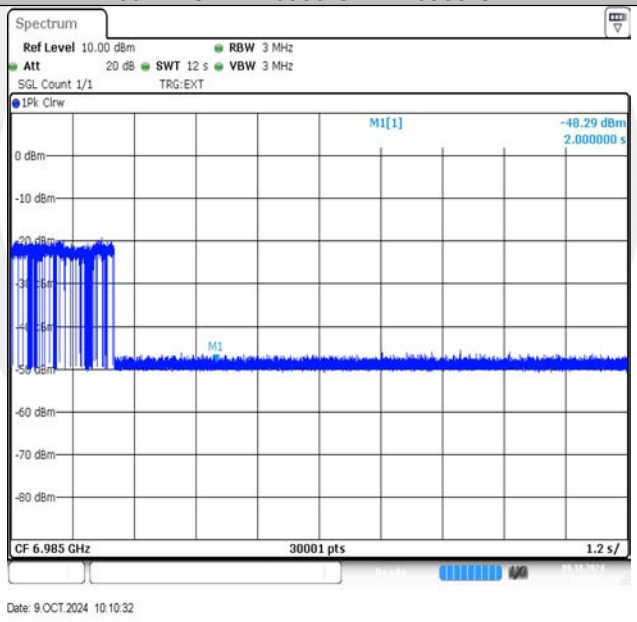


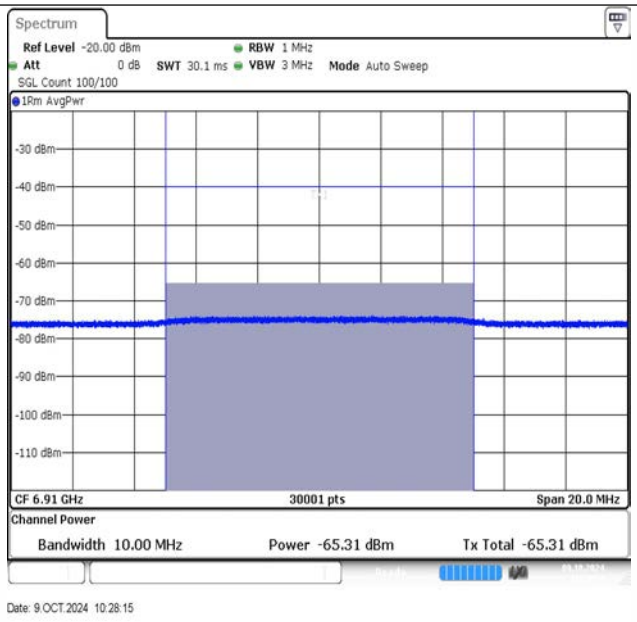
11AX160MIMO-Ant1-6985-Center-7060-OFF-PASS



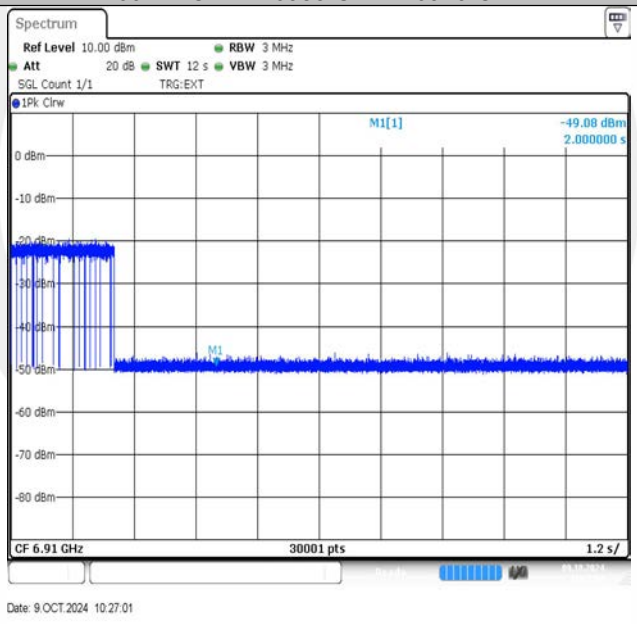


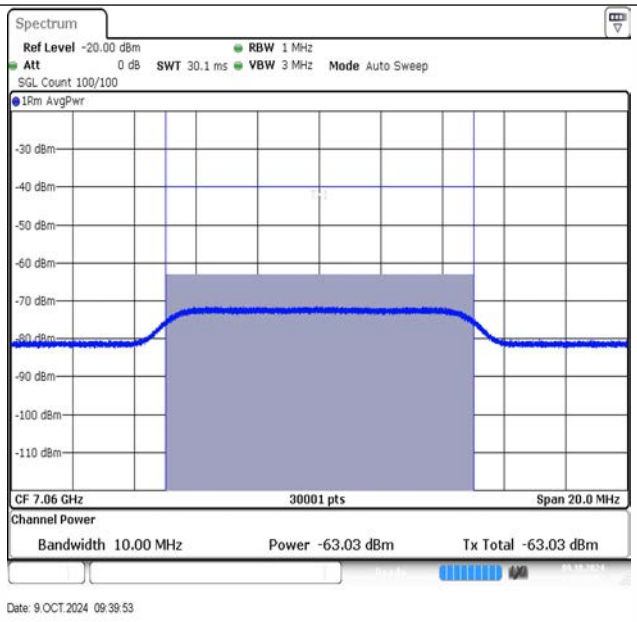
11AX160MIMO-Ant1-6985-Center-6985-OFF-PASS





11AX160MIMO-Ant1-6985-Center-6910-OFF-PASS





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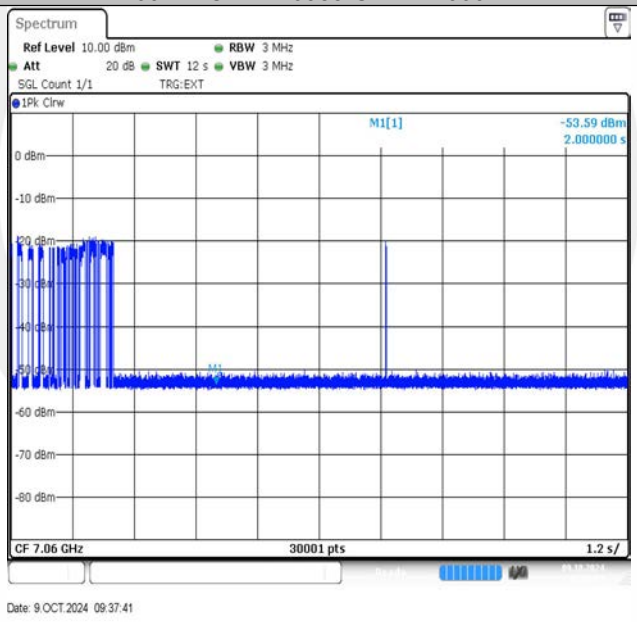

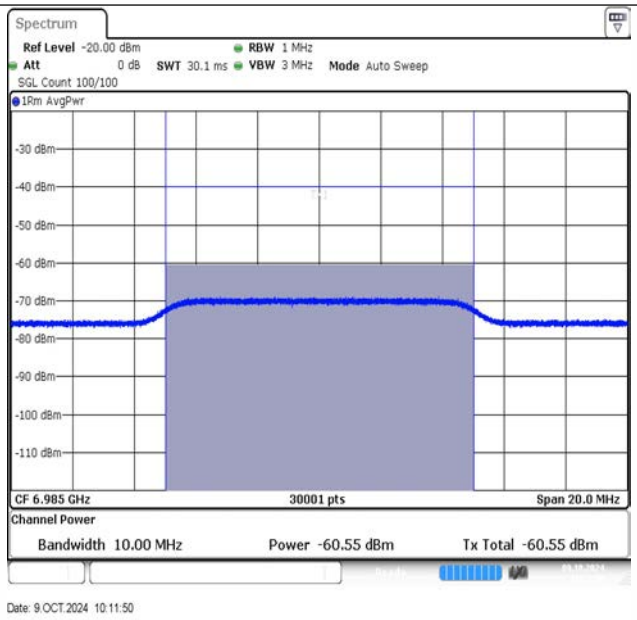

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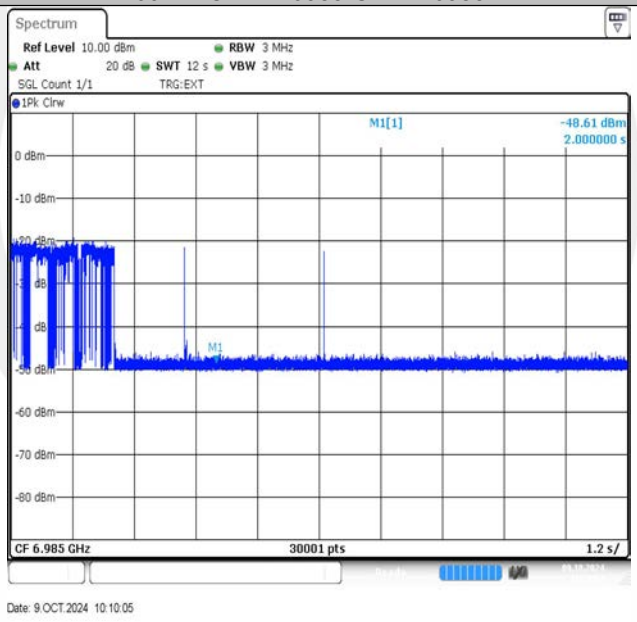

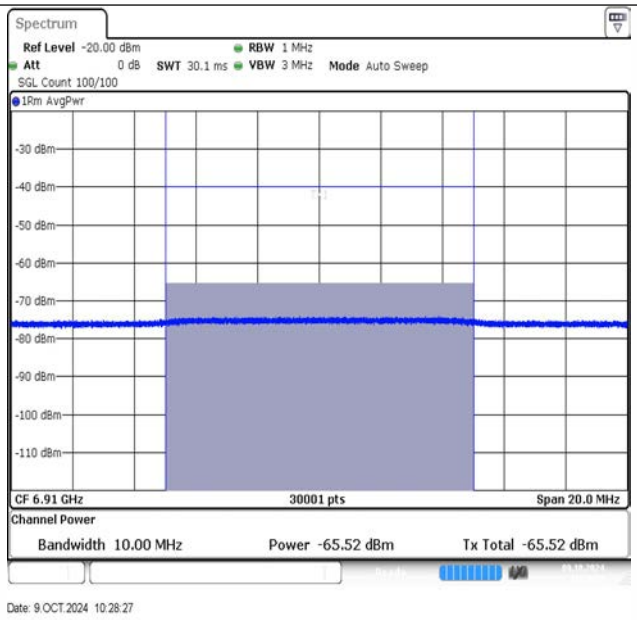

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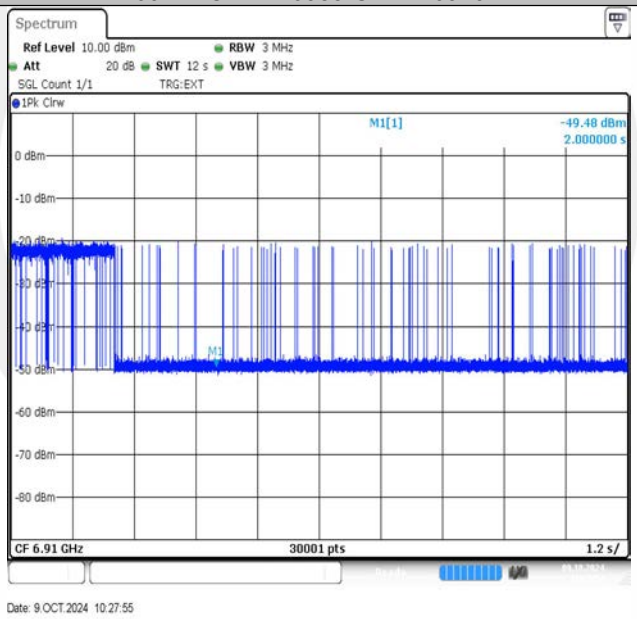

8.6 RADIATED SPURIOUS EMISSION

8.6.1 Applicable Standard

According to FCC Part 15.407 (b), 15.209, 15.205
According to 789033 D02 Section II.G
According to 987594 D02 Section II.G
According to RSS-GEN 8.9, 8.10 and 6.13
According to RSS-248 4.7

8.6.2 Conformance Limit

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.
Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209
The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table 15.209(a):

Restricted Frequency(MHz)	Field Strength (μV/m)	Field Strength (dBμV/m)	Measurement Distance
0.009-0.490	2400/F(KHz)	20 log (uV/m)	300
0.490-1.705	24000/F(KHz)	20 log (uV/m)	30
1.705-30	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

The provisions of §15.205 apply to intentional radiators operating under this section,15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41			

8.6.3 Test Configuration

Test according to clause 7.2 radio frequency test setup

8.6.4 Test Procedure

■ Unwanted Emissions Measurements below 1000 MHz
Compliance shall be demonstrated using CISPR quasi-peak detection; however, peak detection is permitted as an alternative to quasi-peak detection.
The EUT was placed on a turn table which is 0.8m above ground plane.
And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

Repeat above procedures until all frequency measured was complete.
We use software control the EUT, Let EUT hopping on and transmit with highest power, All the modes have been tested and the worst result was reported.
Use the following spectrum analyzer settings:
Set RBW=120kHz for f < 1 GHz(30MHz to 1GHz), 200Hz for f<150KHz(9KHz to 150KHz), 9KHz for <30MHz(150KHz to 30MHz).
Set the VBW > RBW.
Detector = Peak.
Trace mode = max hold.
Follow the guidelines in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit specified in Section 15.35(b). Submit this data.
Repeat above procedures until all frequency measured was complete.

- Unwanted Maximum peak Emissions Measurements above 1000 MHz

Maximum emission levels are measured by setting the analyzer as follows:
RBW = 1 MHz.
VBW ≥ 3 MHz.
Detector = Peak.
Sweep time = auto.
Trace mode = max hold.
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.

- Unwanted Average Emissions Measurements above 1000 MHz

Method AD (Average Detection): Primary method
RBW = 1 MHz.
VBW ≥ 3 MHz.
Detector = power averaging (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.
Averaging type = power averaging (rms)
Sweep time = auto.
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% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—rather than turning on and off with the transmit cycle, at least 100 traces shall be averaged.)
If tests are performed with the EUT transmitting at a duty cycle less than 98%, 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% duty cycle. The correction factor is 10 log (1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB must be added to the measured emission levels.

8.6.5 Test Results

PASS

Temperature :	25℃	ATM Pressure:	1011 mbar
Humidity :	45 %	Test Engineer:	HZB

■ Spurious Emission below 30MHz(9KHz to 30MHz)

For Spurious Emission below 30MHz (9KHz to 30MHz), was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

■ **Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)**

All antennas and modulation modes are tested, the data of the worst mode is described as below.

U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11AX(20) Frequency(MHz): 5955

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9002.50	64.97	8.80	74.00	9.03	PK	Vertical	100
2	11137.0	67.27	11.41	74.00	6.73	PK	Vertical	120
3	17379.1	65.81	15.23	74.00	8.19	PK	Vertical	180

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9002.501	47.08	54.00	6.92	AV	Vertical	105
2	11137.06	46.57	54.00	7.43	AV	Vertical	129
3	17379.18	45.27	54.00	8.73	AV	Vertical	170

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detecto r	Polarity	Antenna Height (cm)
1	8713.35	65.39	7.53	74.00	8.61	PK	Horizontal	105
2	11383.6	67.14	10.64	74.00	6.86	PK	Horizontal	129
3	17829.9	66.34	17.06	74.00	7.66	PK	Horizontal	178

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8713.356	47.20	54.00	6.80	AV	Horizontal	105
2	11383.69	46.45	54.00	7.55	AV	Horizontal	150
3	17829.91	47.80	54.00	6.20	AV	Horizontal	170

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

Note:	(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak; (2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS; (3) Corrected Reading = Reading Level + Correct Factor; (4) Correct Factor = Ant_F + Cab_L - Preamp; (5) Margin = Limit - Corrected Reading; (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit. (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11AX(20) **Frequency(MHz):** 6174

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8670.83	65.50	6.86	74.00	8.50	PK	Vertical	109
2	11196.5	67.50	11.70	74.00	6.50	PK	Vertical	129
3	17081.5	65.83	15.22	74.00	8.17	PK	Vertical	170

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8670.835	46.31	54.00	7.69	AV	Vertical	105
2	11196.59	46.78	54.00	7.22	AV	Vertical	159
3	17081.54	45.40	54.00	8.60	AV	Vertical	178

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8696.34	65.17	7.69	74.00	8.83	PK	Horizontal	120
2	10966.9	67.21	11.82	74.00	6.79	PK	Horizontal	155
3	16741.3	66.44	14.00	74.00	7.56	PK	Horizontal	178

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8696.348	47.61	54.00	6.39	AV	Horizontal	119
2	10966.98	46.98	54.00	7.02	AV	Horizontal	129
3	16741.37	47.81	54.00	6.19	AV	Horizontal	172

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

Note:	(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak; (2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS; (3) Corrected Reading = Reading Level + Correct Factor; (4) Correct Factor = Ant_F + Cab_L - Preamp; (5) Margin = Limit - Corrected Reading; (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit. (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6415

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9019.50	64.41	8.37	74.00	9.59	PK	Vertical	110
2	11222.1	67.89	11.64	74.00	6.11	PK	Vertical	129
3	15899.4	67.63	13.22	74.00	6.37	PK	Vertical	170

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9019.509	47.71	54.00	6.29	AV	Vertical	117
2	11222.111	47.47	54.00	6.53	AV	Vertical	129
3	15899.44	46.34	54.00	7.66	AV	Vertical	180

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8704.85	64.65	7.71	74.00	9.35	PK	Horizontal	119
2	11324.1	67.42	11.13	74.00	6.58	PK	Horizontal	129
3	17217.6	67.64	15.88	74.00	6.36	PK	Horizontal	170

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8704.852	46.95	54.00	7.05	AV	Horizontal	112
2	11324.16	46.31	54.00	7.69	AV	Horizontal	130
3	17217.60	45.94	54.00	8.06	AV	Horizontal	172

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

Note:	(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak; (2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS; (3) Corrected Reading = Reading Level + Correct Factor; (4) Correct Factor = Ant_F + Cab_L - Preamp; (5) Margin = Limit - Corrected Reading; (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit. (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6435

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	7981.99	62.77	4.07	74.00	11.23	PK	Vertical	135
2	9929.46	67.48	9.56	74.00	6.52	PK	Vertical	201
3	16256.6	67.35	13.40	74.00	6.65	PK	Vertical	110

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	7981.991	43.59	54.00	10.41	AV	Vertical	138
2	9929.464	44.72	54.00	9.28	AV	Vertical	205
3	16256.62	47.13	54.00	6.87	AV	Vertical	115

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9708.35	65.37	8.12	74.00	8.63	PK	Horizontal	130
2	11247.6	67.48	11.53	74.00	6.52	PK	Horizontal	190
3	16775.3	67.89	14.19	74.00	6.11	PK	Horizontal	109

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9708.354	47.95	54.00	6.05	AV	Horizontal	141
2	11247.62	46.57	54.00	7.43	AV	Horizontal	199
3	16775.38	47.35	54.00	6.65	AV	Horizontal	120

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

Note:	(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak; (2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS; (3) Corrected Reading = Reading Level + Correct Factor; (4) Correct Factor = Ant_F + Cab_L - Preamp; (5) Margin = Limit - Corrected Reading; (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit. (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6475

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9011.00	64.29	8.58	74.00	9.71	PK	Vertical	145
2	11256.1	66.97	11.50	74.00	7.03	PK	Vertical	180
3	17285.6	66.97	14.97	74.00	7.03	PK	Vertical	125

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9011.005	47.41	54.00	6.59	AV	Vertical	150
2	11256.12	46.54	54.00	7.46	AV	Vertical	185
3	17285.64	45.71	54.00	8.29	AV	Vertical	130

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9011.00	64.77	8.58	74.00	9.23	PK	Horizontal	148
2	11188.0	67.42	11.66	74.00	6.58	PK	Horizontal	191
3	17421.7	66.35	15.31	74.00	7.65	PK	Horizontal	130

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9011.005	47.41	54.00	6.59	AV	Horizontal	151
2	11188.09	46.90	54.00	7.10	AV	Horizontal	185
3	17421.71	46.02	54.00	7.98	AV	Horizontal	125

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

Note:	(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak; (2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS; (3) Corrected Reading = Reading Level + Correct Factor; (4) Correct Factor = Ant_F + Cab_L - Preamp; (5) Margin = Limit - Corrected Reading; (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit. (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6515

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8696.34	65.12	7.69	74.00	8.88	PK	Vertical	130
2	11213.6	67.48	11.67	74.00	6.52	PK	Vertical	178
3	17940.4	66.32	18.10	74.00	7.68	PK	Vertical	119

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8696.348	47.52	54.00	6.48	AV	Vertical	139
2	11213.60	46.73	54.00	7.27	AV	Vertical	180
3	17940.47	47.22	54.00	6.78	AV	Vertical	110

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	7998.99	63.47	4.27	74.00	10.53	PK	Horizontal	139
2	9895.44	67.25	9.45	74.00	6.75	PK	Horizontal	180
3	17804.4	67.75	17.22	74.00	6.25	PK	Horizontal	110

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	7998.999	44.10	54.00	9.90	AV	Horizontal	136
2	9895.447	44.62	54.00	9.38	AV	Horizontal	183
3	17804.40	47.28	54.00	6.72	AV	Horizontal	121

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

Note:	(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak; (2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS; (3) Corrected Reading = Reading Level + Correct Factor; (4) Correct Factor = Ant_F + Cab_L - Preamp; (5) Margin = Limit - Corrected Reading; (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit. (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6535

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8475.23	63.52	4.78	74.00	10.48	PK	Vertical	139
2	9920.96	66.90	9.55	74.00	7.10	PK	Vertical	110
3	17430.2	66.78	15.30	74.00	7.22	PK	Vertical	150

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8475.237	44.61	54.00	9.39	AV	Vertical	128
2	9920.960	44.71	54.00	9.29	AV	Vertical	118
3	17430.21	46.13	54.00	7.87	AV	Vertical	159

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9011.00	64.62	8.58	74.00	9.38	PK	Horizontal	130
2	11196.5	67.25	11.70	74.00	6.75	PK	Horizontal	110
3	16630.8	67.04	12.88	74.00	6.96	PK	Horizontal	168

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9011.005	47.44	54.00	6.56	AV	Horizontal	141
2	11196.59	46.83	54.00	7.17	AV	Horizontal	128
3	16630.81	46.35	54.00	7.65	AV	Horizontal	160

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

Note:	(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak; (2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS; (3) Corrected Reading = Reading Level + Correct Factor; (4) Correct Factor = Ant_F + Cab_L - Preamp; (5) Margin = Limit - Corrected Reading; (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit. (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11AX(20) **Frequency(MHz):** 6695

Suspected Data List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor[dB/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9002.50	64.68	8.80	74.00	9.32	PK	Vertical	140
2	11213.6	67.34	11.67	74.00	6.66	PK	Vertical	119
3	17608.8	67.73	17.07	74.00	6.27	PK	Vertical	141

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9002.501	47.63	54.00	6.37	AV	Vertical	145
2	11213.60	46.73	54.00	7.27	AV	Vertical	116
3	17608.80	47.21	54.00	6.79	AV	Vertical	139

Suspected Data List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor[dB/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9036.51	64.75	7.93	74.00	9.25	PK	Horizontal	133
2	11290.1	66.99	11.37	74.00	7.01	PK	Horizontal	110
3	17897.9	67.83	16.65	74.00	6.17	PK	Horizontal	131

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9036.518	47.75	54.00	6.25	AV	Horizontal	140
2	11290.14	46.53	54.00	7.47	AV	Horizontal	115
3	17897.94	47.07	54.00	6.93	AV	Horizontal	130

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

Note:	(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak; (2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS; (3) Corrected Reading = Reading Level + Correct Factor; (4) Correct Factor = Ant_F + Cab_L - Preamp; (5) Margin = Limit - Corrected Reading; (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit. (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6855

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9011.00	65.01	8.58	74.00	8.99	PK	Vertical	122
2	11205.1	67.80	11.70	74.00	6.20	PK	Vertical	130
3	17812.9	67.06	17.17	74.00	6.94	PK	Vertical	156

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9011.005	47.92	54.00	6.08	AV	Vertical	120
2	11205.10	47.52	54.00	6.48	AV	Vertical	138
3	17812.90	47.31	54.00	6.69	AV	Vertical	150

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8653.82	65.38	6.31	74.00	8.62	PK	Horizontal	120
2	11298.6	67.11	11.33	74.00	6.89	PK	Horizontal	138
3	17421.7	66.22	15.31	74.00	7.78	PK	Horizontal	150

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8653.826	45.48	54.00	8.52	AV	Horizontal	128
2	11298.64	46.86	54.00	7.14	AV	Horizontal	150
3	17421.71	45.92	54.00	8.08	AV	Horizontal	132

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

Note:	(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak; (2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS; (3) Corrected Reading = Reading Level + Correct Factor; (4) Correct Factor = Ant_F + Cab_L - Preamp; (5) Margin = Limit - Corrected Reading; (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit. (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6895

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8679.33	64.78	7.14	74.00	9.22	PK	Vertical	151
2	11162.5	67.28	11.53	74.00	6.72	PK	Vertical	136
3	17294.1	67.51	14.85	74.00	6.49	PK	Vertical	150

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8679.339	46.95	54.00	7.05	AV	Vertical	160
2	11162.58	46.95	54.00	7.05	AV	Vertical	150
3	17294.14	45.56	54.00	8.44	AV	Vertical	120

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8721.86	64.52	7.35	74.00	9.48	PK	Horizontal	167
2	11264.6	67.17	11.47	74.00	6.83	PK	Horizontal	150
3	17455.7	67.17	15.25	74.00	6.83	PK	Horizontal	120

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8721.860	46.86	54.00	7.14	AV	Horizontal	160
2	11264.63	46.96	54.00	7.04	AV	Horizontal	155
3	17455.72	46.07	54.00	7.93	AV	Horizontal	123

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

Note:	(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak; (2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS; (3) Corrected Reading = Reading Level + Correct Factor; (4) Correct Factor = Ant_F + Cab_L - Preamp; (5) Margin = Limit - Corrected Reading; (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit. (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6995

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9019.50	64.67	8.37	74.00	9.33	PK	Vertical	166
2	11264.6	66.79	11.47	74.00	7.21	PK	Vertical	131
3	17294.1	67.59	14.85	74.00	6.41	PK	Vertical	100

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9019.509	47.71	54.00	6.29	AV	Vertical	155
2	11264.63	47.08	54.00	6.92	AV	Vertical	129
3	17294.14	45.30	54.00	8.70	AV	Vertical	101

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8713.35	64.84	7.53	74.00	9.16	PK	Horizontal	169
2	11213.6	67.46	11.67	74.00	6.54	PK	Horizontal	130
3	16843.4	67.62	14.18	74.00	6.38	PK	Horizontal	105

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8713.356	47.36	54.00	6.64	AV	Horizontal	156
2	11213.60	47.51	54.00	6.49	AV	Horizontal	135
3	16843.42	44.70	54.00	9.30	AV	Horizontal	100

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.
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Note:	(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak; (2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS; (3) Corrected Reading = Reading Level + Correct Factor; (4) Correct Factor = Ant_F + Cab_L - Preamp; (5) Margin = Limit - Corrected Reading; (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit. (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11AX(20) Frequency(MHz): 7115

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8662.33	64.71	6.58	74.00	9.29	PK	Vertical	148
2	10159.0	66.51	9.76	74.00	7.49	PK	Vertical	137
3	17098.5	66.10	15.16	74.00	7.90	PK	Vertical	105

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	8662.331	46.41	54.00	7.59	AV	Vertical	146
2	10159.07	44.93	54.00	9.07	AV	Vertical	130
3	17098.54	45.98	54.00	8.02	AV	Vertical	110

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9019.50	65.32	8.37	74.00	8.68	PK	Horizontal	140
2	11213.6	67.73	11.67	74.00	6.27	PK	Horizontal	120
3	17532.2	66.19	15.77	74.00	7.81	PK	Horizontal	105

AV Final Data List							
NO.	Freq. [MHz]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	9019.509	47.79	54.00	6.21	AV	Horizontal	150
2	11213.60	46.75	54.00	7.25	AV	Horizontal	120
3	17532.26	45.94	54.00	8.06	AV	Horizontal	100

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

Note:	(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak; (2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS; (3) Corrected Reading = Reading Level + Correct Factor; (4) Correct Factor = Ant_F + Cab_L - Preamp; (5) Margin = Limit - Corrected Reading; (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit. (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

■ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

● For U-NII 5

All antennas and modulation modes are tested, the data of the worst mode is described as below.

U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11AX(20) Frequency(MHz): 5955

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5885.705	57.44	42.84	68.20	10.76	PK	Vertical
2	7186.425	63.28	48.93	68.20	4.92	PK	Vertical
1	5921.3825	58.13	42.90	68.20	10.07	PK	Horizontal
2	7171.3375	63.36	48.80	68.20	4.84	PK	Horizontal

Note:
(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;
(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;
(3) Corrected Reading = Reading Level + Correct Factor;
(4) Correct Factor = Ant_F + Cab_L - Preamp;
(5) Margin = Limit - Corrected Reading;
(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.
(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

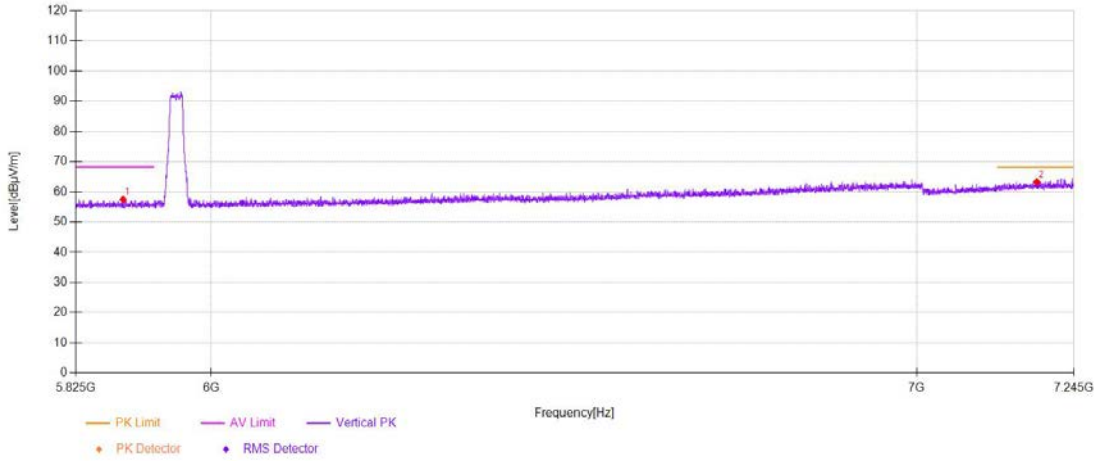
U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6415

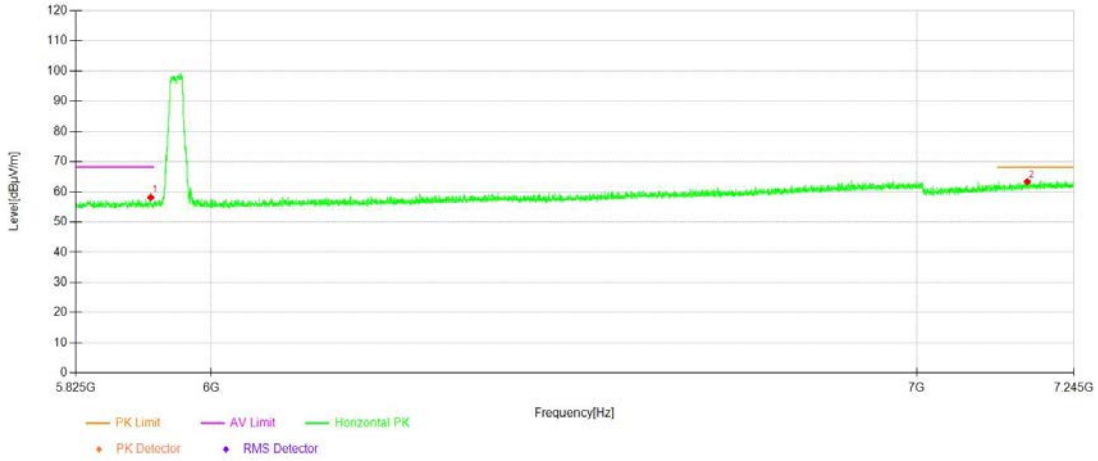
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5889.255	57.61	42.84	68.20	10.59	PK	Vertical
2	7180.39	64.02	48.88	68.20	4.18	PK	Vertical
1	5923.5125	57.75	42.92	68.20	10.45	PK	Horizontal
2	7173.4675	63.82	48.82	68.20	4.38	PK	Horizontal

Note:
(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;
(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;
(3) Corrected Reading = Reading Level + Correct Factor;
(4) Correct Factor = Ant_F + Cab_L - Preamp;
(5) Margin = Limit - Corrected Reading;
(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.
(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

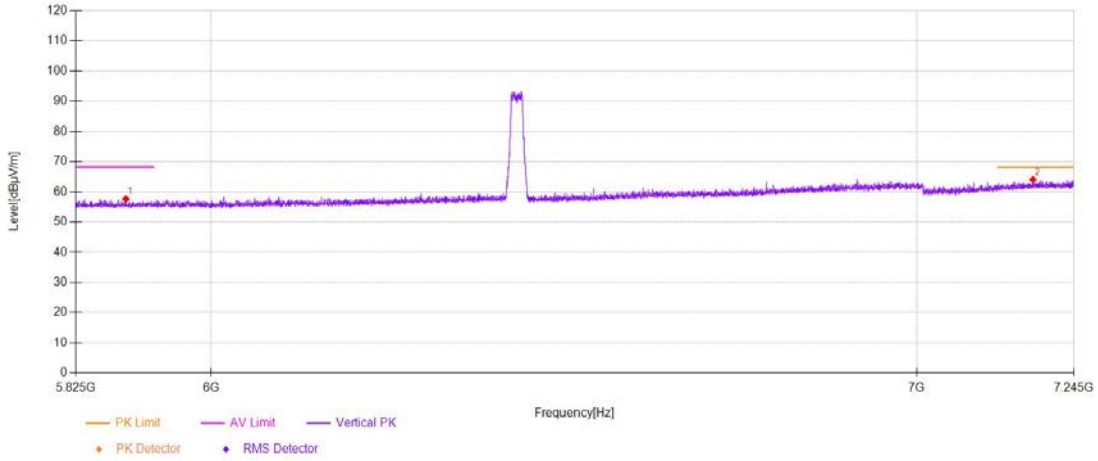
U-NII 5 Band (5925 ~ 6425MHz)					
Test mode:	802.11AX(20)	Frequency(MHz):	5955	Ant.Pol:	V



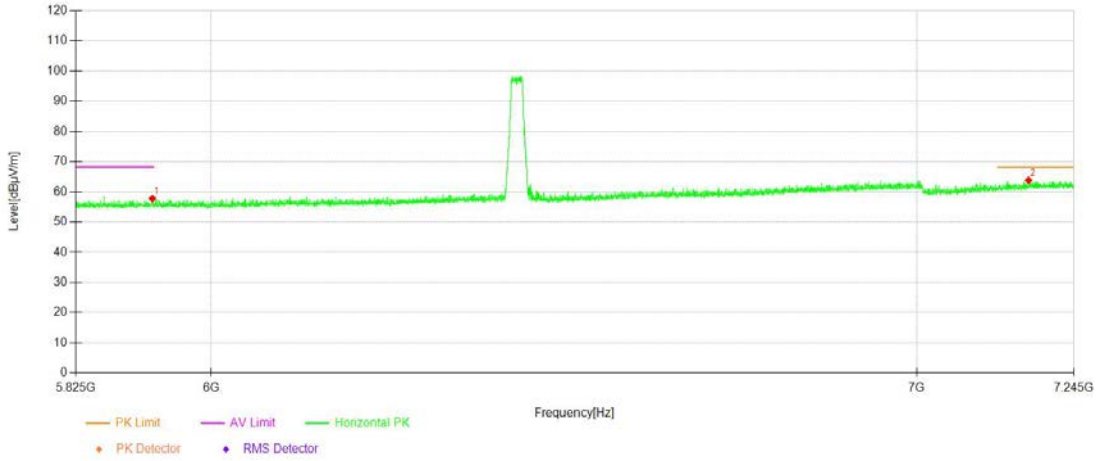
U-NII 5 Band (5925 ~ 6425MHz)					
Test mode:	802.11AX(20)	Frequency(MHz):	5955	Ant.Pol:	H



U-NII 5 Band (5925 ~ 6425MHz)					
Test mode:	802.11AX(20)	Frequency(MHz):	6415	Ant.Pol:	V



U-NII 5 Band (5925 ~ 6425MHz)					
Test mode:	802.11AX(20)	Frequency(MHz):	6415	Ant.Pol:	H



● **For U-NII 6**

All antennas and modulation modes are tested, the data of the worst mode is described as below.

U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6435

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5913.395	57.38	42.88	68.20	10.82	PK	Vertical
2	7176.3075	63.91	48.85	68.20	4.29	PK	Vertical
1	5901.325	58.10	42.83	68.20	10.10	PK	Horizontal
2	7151.99	63.75	48.64	68.20	4.45	PK	Horizontal

Note:
(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;
(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;
(3) Corrected Reading = Reading Level + Correct Factor;
(4) Correct Factor = Ant_F + Cab_L - Preamp;
(5) Margin = Limit - Corrected Reading;
(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.
(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

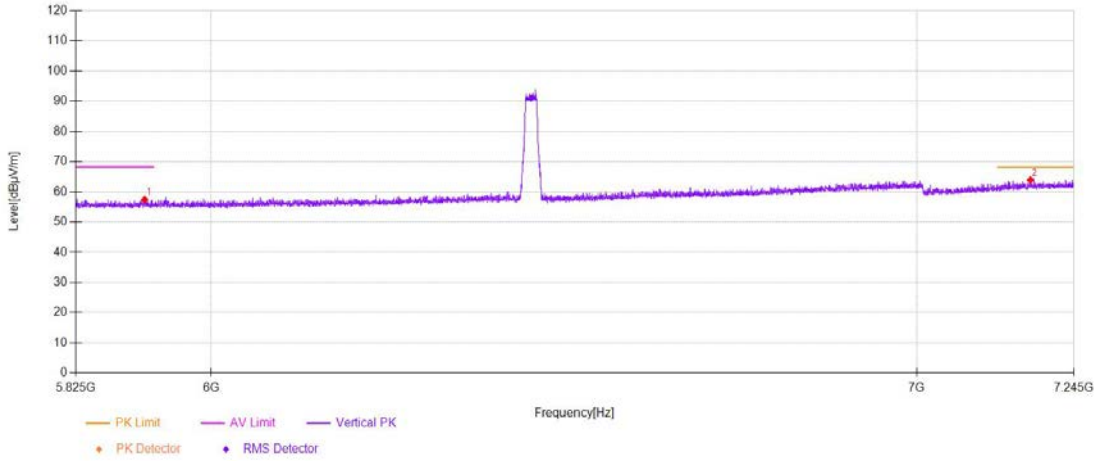
U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6515

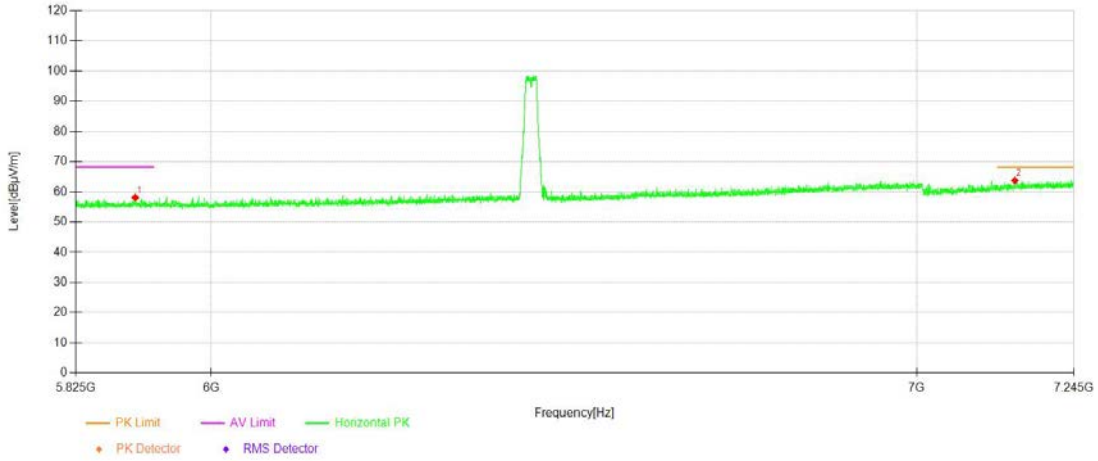
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5912.1525	57.70	42.87	68.20	10.50	PK	Vertical
2	7146.8425	64.04	48.58	68.20	4.16	PK	Vertical
1	5922.625	57.29	42.91	68.20	10.91	PK	Horizontal
2	7143.47	64.01	48.55	68.20	4.19	PK	Horizontal

Note:
(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;
(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;
(3) Corrected Reading = Reading Level + Correct Factor;
(4) Correct Factor = Ant_F + Cab_L - Preamp;
(5) Margin = Limit - Corrected Reading;
(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.
(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

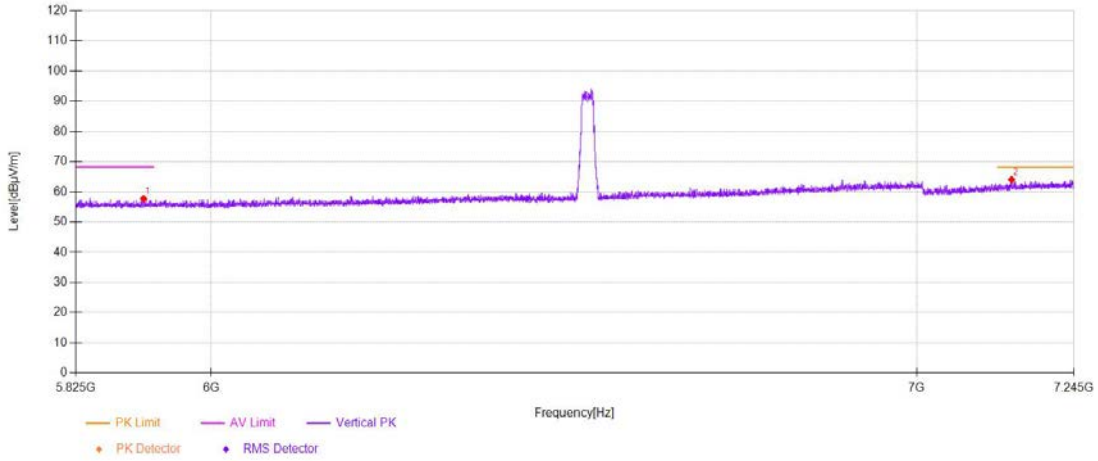
U-NII 6 Band (6425 ~ 6525MHz)					
Test mode:	802.11AX(20)	Frequency(MHz):	6435	Ant.Pol:	V



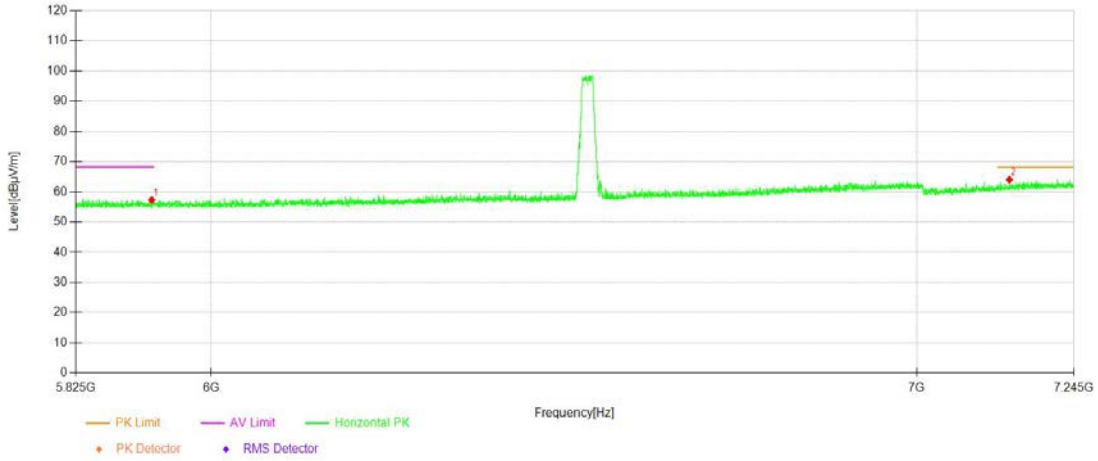
U-NII 6 Band (6425 ~ 6525MHz)					
Test mode:	802.11AX(20)	Frequency(MHz):	6435	Ant.Pol:	H



U-NII 6 Band (6425 ~ 6525MHz)					
Test mode:	802.11AX(20)	Frequency(MHz):	6515	Ant.Pol:	V



U-NII 6 Band (6425 ~ 6525MHz)					
Test mode:	802.11AX(20)	Frequency(MHz):	6515	Ant.Pol:	H



● **For U-NII 7**

All antennas and modulation modes are tested, the data of the worst mode is described as below.

U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6535

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5906.65	57.74	42.85	68.20	10.46	PK	Vertical
2	7174.8875	63.33	48.83	68.20	4.87	PK	Vertical
1	5879.1375	57.38	42.85	68.20	10.82	PK	Horizontal
2	7151.28	63.58	48.63	68.20	4.62	PK	Horizontal

Note:
(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;
(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;
(3) Corrected Reading = Reading Level + Correct Factor;
(4) Correct Factor = Ant_F + Cab_L - Preamp;
(5) Margin = Limit - Corrected Reading;
(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.
(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

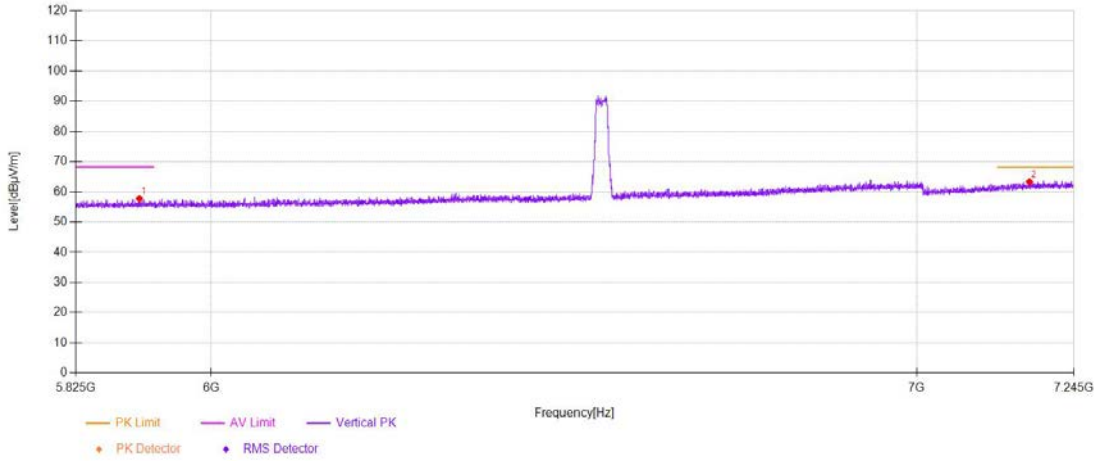
U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6855

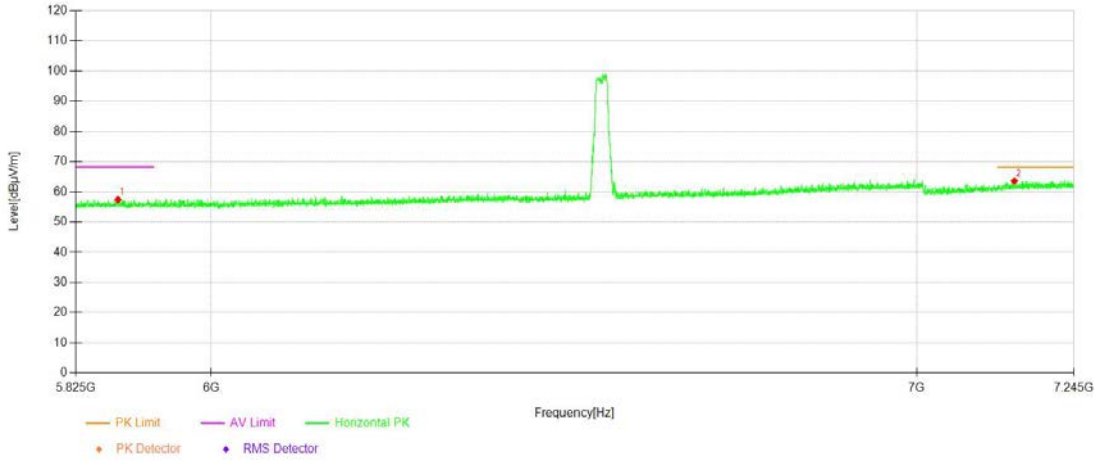
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5914.6375	57.48	42.88	68.20	10.72	PK	Vertical
2	7168.8525	64.07	48.78	68.20	4.13	PK	Vertical
1	5907.005	57.76	42.85	68.20	10.44	PK	Horizontal
2	7161.575	63.68	48.72	68.20	4.52	PK	Horizontal

Note:
(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;
(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;
(3) Corrected Reading = Reading Level + Correct Factor;
(4) Correct Factor = Ant_F + Cab_L - Preamp;
(5) Margin = Limit - Corrected Reading;
(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.
(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

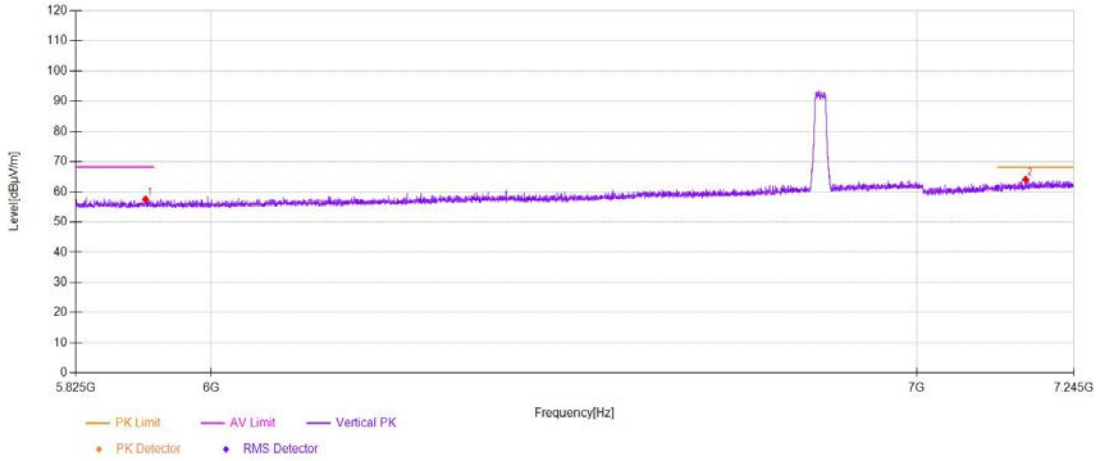
U-NII 7 Band (6525 ~ 6875MHz)					
Test mode:	802.11n(20)	Frequency(MHz):	6535	Ant.Pol:	V



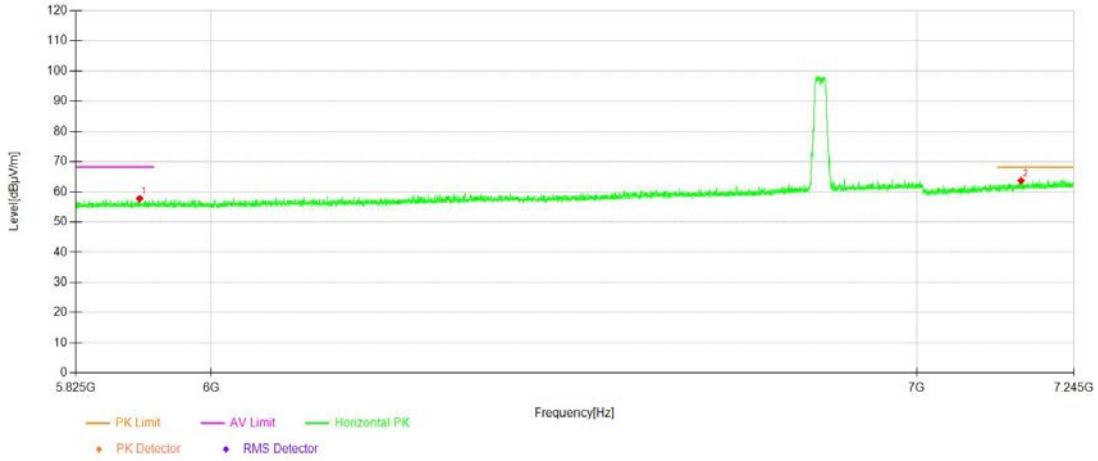
U-NII 7 Band (6525 ~ 6875MHz)					
Test mode:	802.11n(20)	Frequency(MHz):	6535	Ant.Pol:	H



U-NII 7 Band (6525 ~ 6875MHz)					
Test mode:	802.11AX(20)	Frequency(MHz):	6855	Ant.Pol:	V



U-NII 7 Band (6525 ~ 6875MHz)					
Test mode:	802.11AX(20)	Frequency(MHz):	6855	Ant.Pol:	H



● **For U-NII 8**

All antennas and modulation modes are tested, the data of the worst mode is described as below.

U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6895

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5910.2	57.81	42.87	68.20	10.39	PK	Vertical
2	7186.425	63.31	48.93	68.20	4.89	PK	Vertical
1	5874.345	57.40	42.85	68.20	10.80	PK	Horizontal
2	7158.025	63.77	48.69	68.20	4.43	PK	Horizontal

Note:
(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;
(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;
(3) Corrected Reading = Reading Level + Correct Factor;
(4) Correct Factor = Ant_F + Cab_L - Preamp;
(5) Margin = Limit - Corrected Reading;
(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.
(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

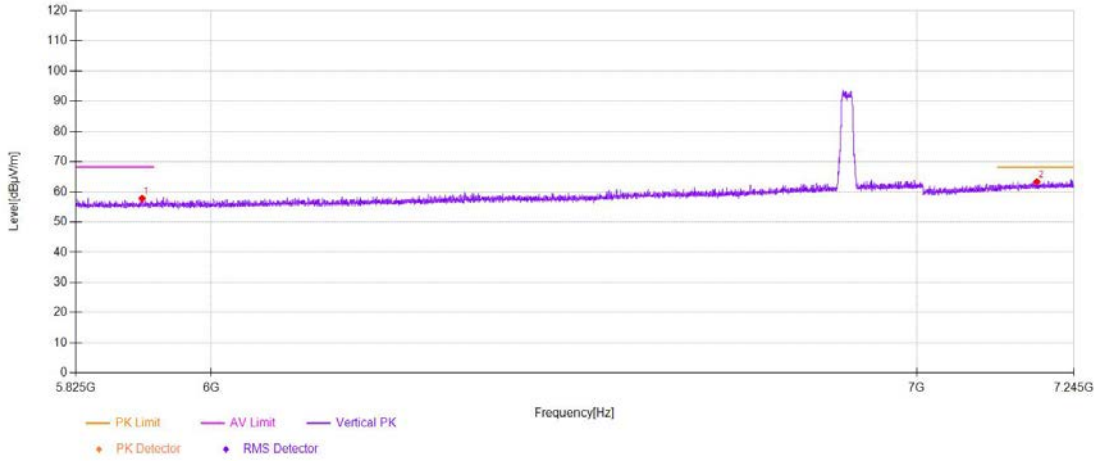
U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11AX(20) Frequency(MHz): 7115

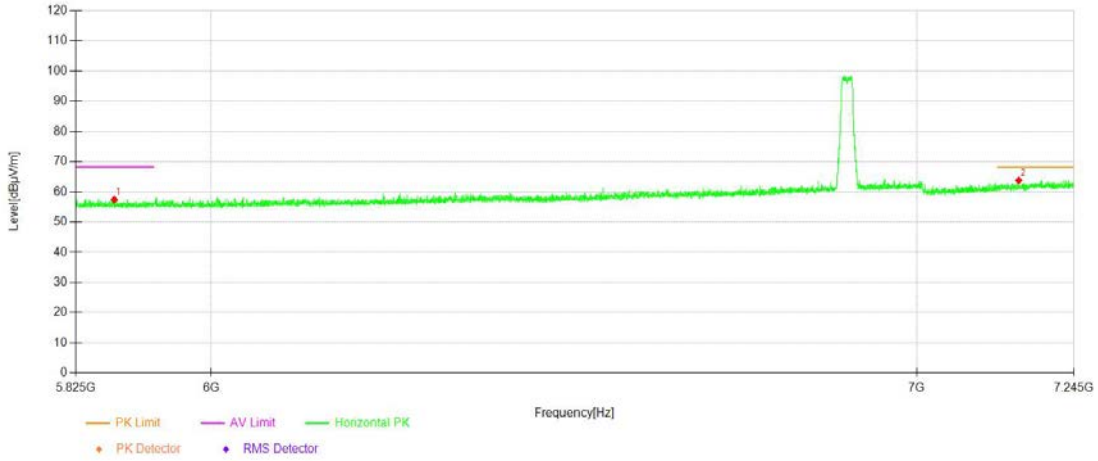
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5888.19	57.60	42.84	68.20	10.60	PK	Vertical
2	7194.945	63.46	49.01	68.20	4.74	PK	Vertical
1	5872.57	57.24	42.85	68.20	10.96	PK	Horizontal
2	7190.5075	64.17	48.97	68.20	4.03	PK	Horizontal

Note:
(1) PeaK RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;
(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;
(3) Corrected Reading = Reading Level + Correct Factor;
(4) Correct Factor = Ant_F + Cab_L - Preamp;
(5) Margin = Limit - Corrected Reading;
(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.
(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

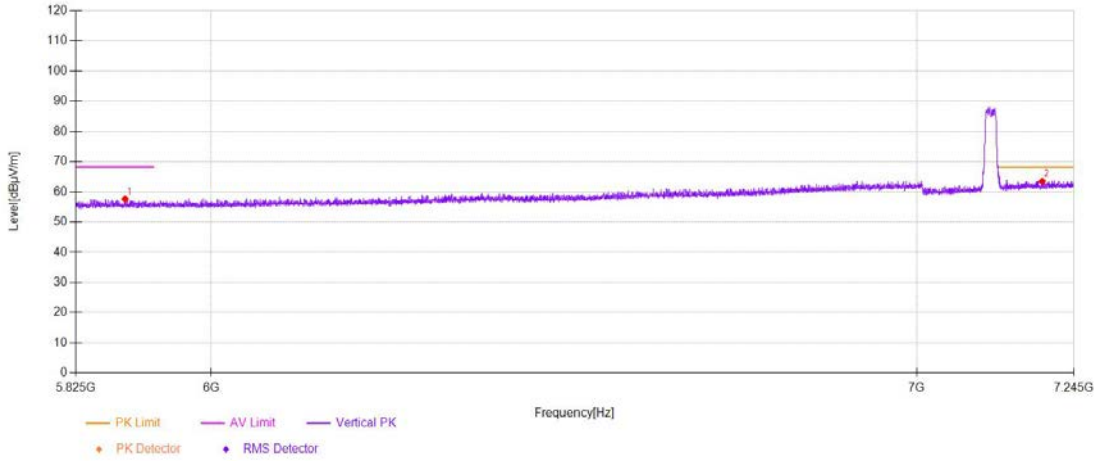
U-NII 8 Band (6875 ~ 7125MHz)					
Test mode:	802.11AX(20)	Frequency(MHz):	6895	Ant.Pol:	V



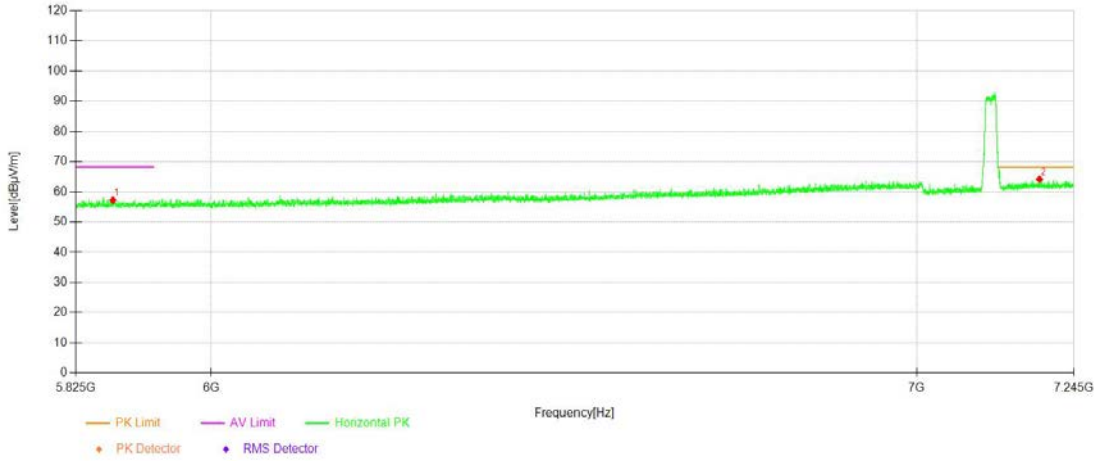
U-NII 8 Band (6875 ~ 7125MHz)					
Test mode:	802.11AX(20)	Frequency(MHz):	6895	Ant.Pol:	H



U-NII 8 Band (6875 ~ 7125MHz)					
Test mode:	802.11AX(20)	Frequency(MHz):	7115	Ant.Pol:	V



U-NII 8 Band (6875 ~ 7125MHz)					
Test mode:	802.11AX(20)	Frequency(MHz):	7115	Ant.Pol:	H

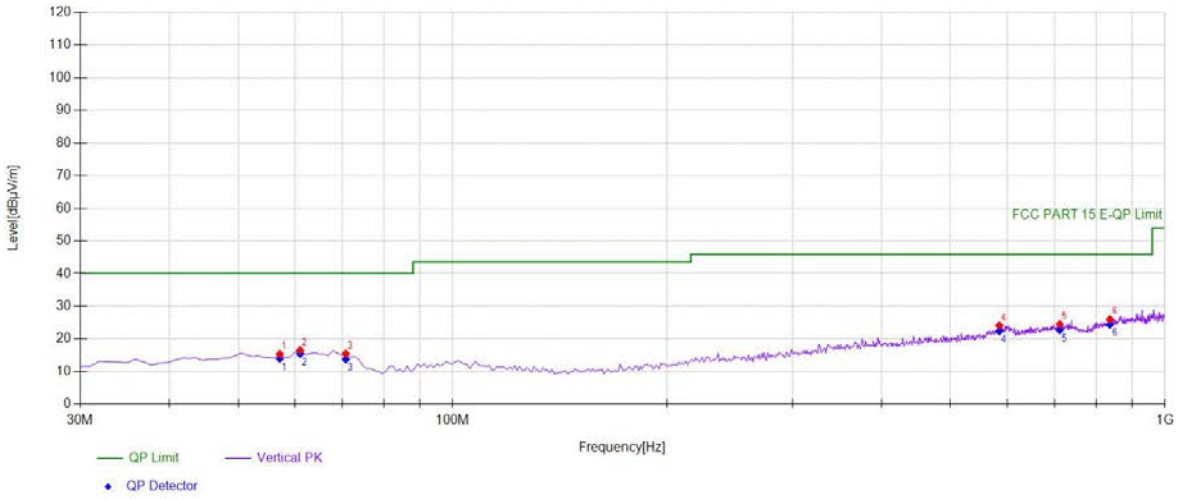


■ **Undesirable radiated Spurious Emission below 1GHz (30MHz to 1GHz)**

All antennas and modulation modes are tested, the data of the worst mode is described as below.

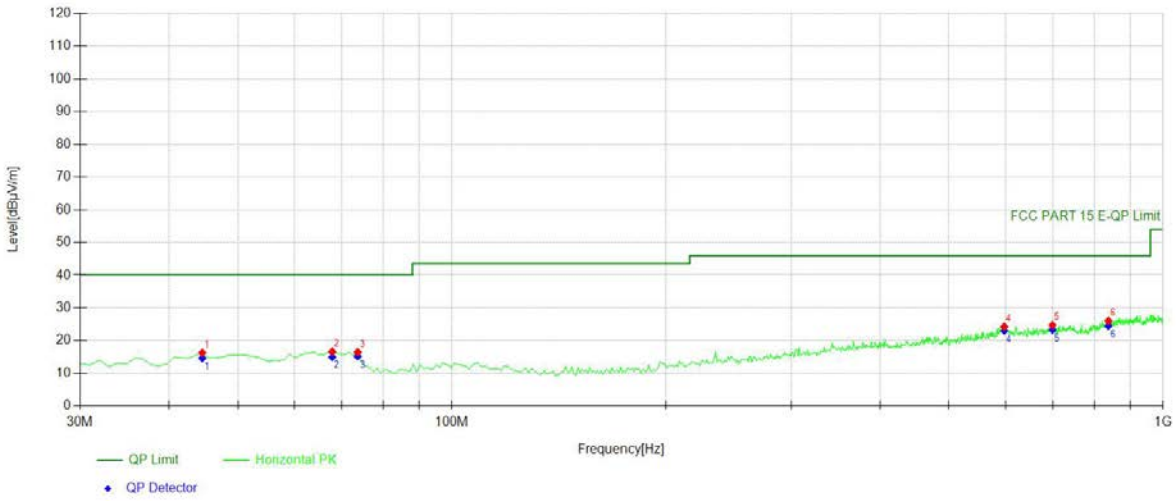
U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11ax(20) Frequency(MHz): 5955



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	57.1872	32.32	-16.94	15.38	PK	40.00	24.62	Vertical
2	61.0711	34.00	-17.46	16.54	PK	40.00	23.46	Vertical
3	70.7808	34.30	-18.81	15.49	PK	40.00	24.51	Vertical
4	585.395	31.29	-7.17	24.12	PK	46.00	21.88	Vertical
5	711.621	30.67	-6.10	24.57	PK	46.00	21.43	Vertical
6	836.876	30.72	-4.74	25.98	PK	46.00	20.02	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	57.1872	-16.94	13.94	40.00	26.06
2	61.0711	-17.46	15.46	40.00	24.54
3	70.7808	-18.81	13.77	40.00	26.23
4	585.3954	-7.17	22.40	46.00	23.60

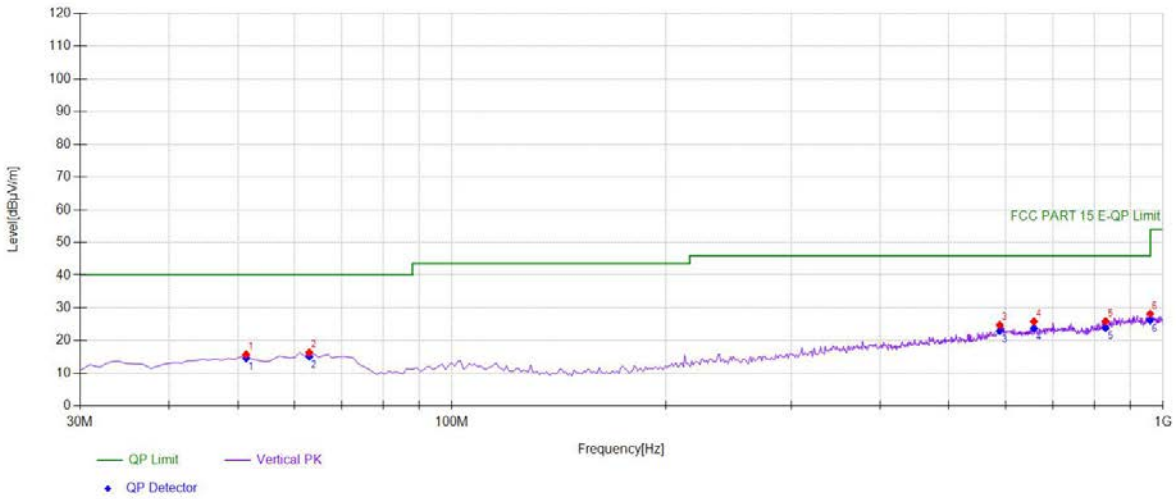


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	44.5646	33.04	-16.77	16.27	PK	40.00	23.73	Horizontal
2	67.8679	35.03	-18.40	16.63	PK	40.00	23.37	Horizontal
3	73.6937	35.75	-19.25	16.50	PK	40.00	23.50	Horizontal
4	598.018	30.83	-6.54	24.29	PK	46.00	21.71	Horizontal
5	698.999	30.90	-6.18	24.72	PK	46.00	21.28	Horizontal
6	837.847	30.73	-4.71	26.02	PK	46.00	19.98	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	44.5646	-16.77	14.62	40.00	25.38
2	67.8679	-18.40	14.98	40.00	25.02
3	73.6937	-19.25	15.21	40.00	24.79
4	598.018	-6.54	23.00	46.00	23.00
5	698.999	-6.18	23.27	46.00	22.73
6	837.8478	-4.71	24.57	46.00	21.43

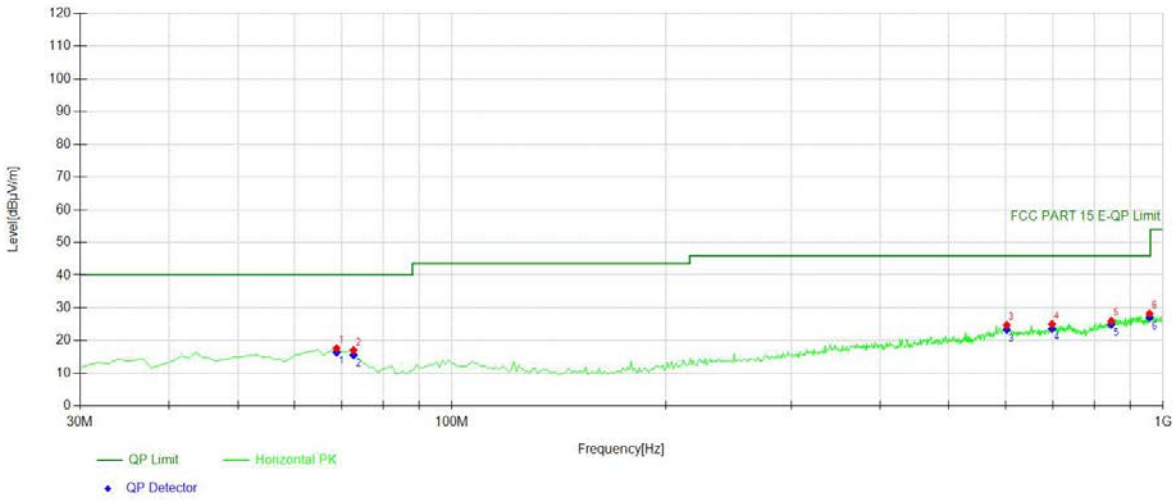
U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11ax(20) Frequency(MHz): 6175



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	51.3614	31.97	-16.19	15.78	PK	40.00	24.22	Vertical
2	63.013	34.06	-17.73	16.33	PK	40.00	23.67	Vertical
3	589.279	31.76	-6.98	24.78	PK	46.00	21.22	Vertical
4	658.218	32.88	-7.08	25.80	PK	46.00	20.20	Vertical
5	830.080	30.80	-4.92	25.88	PK	46.00	20.12	Vertical
6	959.219	30.61	-2.42	28.19	PK	46.00	17.81	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	51.3614	-16.19	14.59	40.00	25.41
2	63.013	-17.73	15.14	40.00	24.86
3	589.2793	-6.98	22.95	46.00	23.05
4	658.2182	-7.08	23.81	46.00	22.19
5	830.0801	-4.92	23.89	46.00	22.11
6	959.2192	-2.42	26.20	46.00	19.80

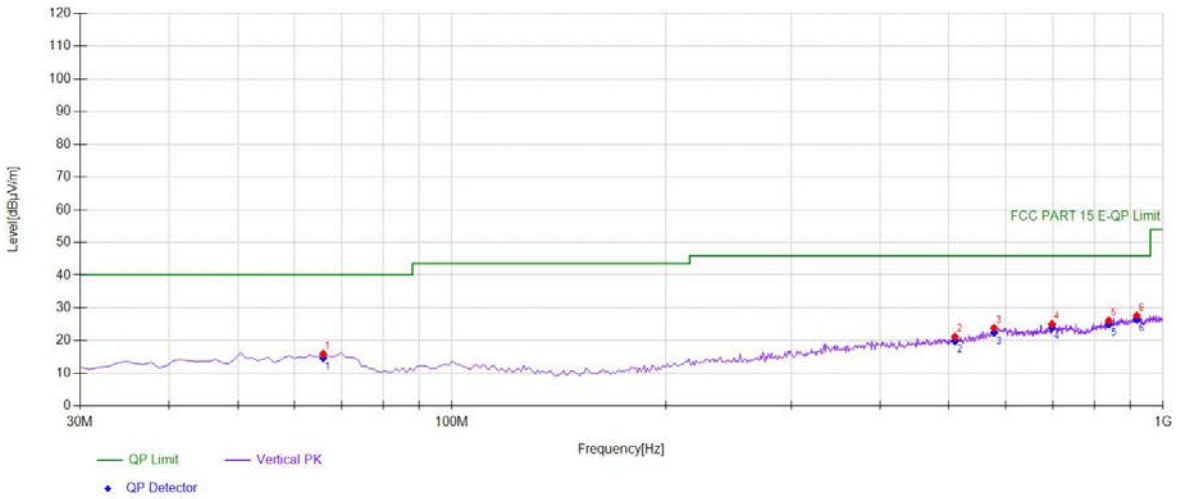


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	68.8388	36.16	-18.53	17.63	PK	40.00	22.37	Horizontal
2	72.7227	36.11	-19.11	17.00	PK	40.00	23.00	Horizontal
3	602.872	31.32	-6.59	24.73	PK	46.00	21.27	Horizontal
4	698.028	31.27	-6.22	25.05	PK	46.00	20.95	Horizontal
5	845.615	30.35	-4.38	25.97	PK	46.00	20.03	Horizontal
6	957.277	30.76	-2.53	28.23	PK	46.00	17.77	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	68.8388	-18.53	16.39	40.00	23.61
2	72.7227	-19.11	15.60	40.00	24.40
3	602.8729	-6.59	23.33	46.00	22.67
4	698.028	-6.22	23.65	46.00	22.35
5	845.6156	-4.38	24.92	46.00	21.08
6	957.2773	-2.53	27.02	46.00	18.98

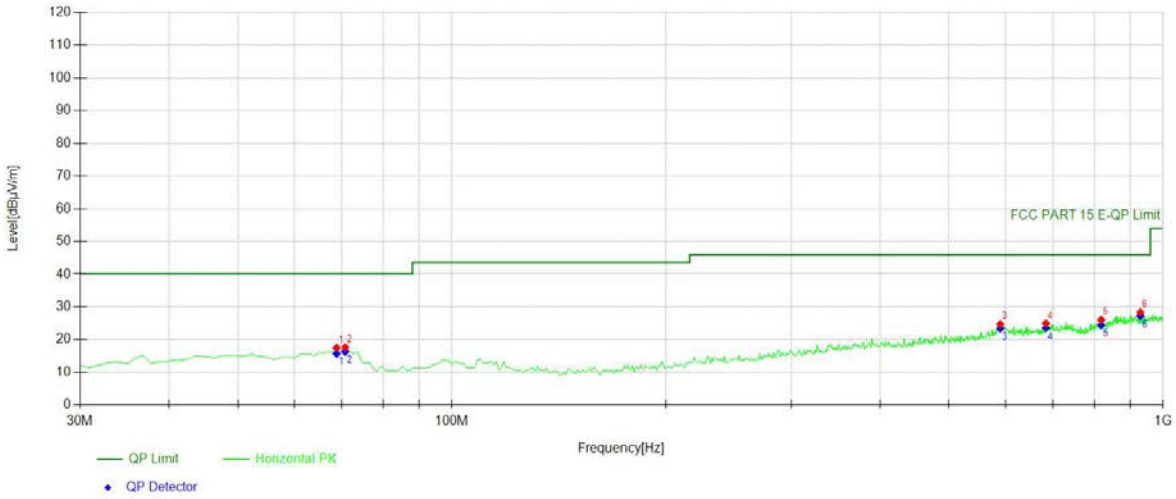
U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11ax(20) **Frequency(MHz):** 6415



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	65.9259	34.09	-18.14	15.95	PK	40.00	24.05	Vertical
2	509.659	31.02	-9.89	21.13	PK	46.00	24.87	Vertical
3	578.598	31.40	-7.52	23.88	PK	46.00	22.12	Vertical
4	698.028	31.29	-6.22	25.07	PK	46.00	20.93	Vertical
5	838.818	30.77	-4.69	26.08	PK	46.00	19.92	Vertical
6	918.438	30.64	-2.98	27.66	PK	46.00	18.34	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	65.9259	-18.14	14.67	40.00	25.33
2	509.6597	-9.89	19.85	46.00	26.15
3	578.5986	-7.52	22.44	46.00	23.56
4	698.028	-6.22	23.99	46.00	22.01
5	838.8188	-4.69	25.00	46.00	21.00
6	918.4384	-2.98	26.41	46.00	19.59

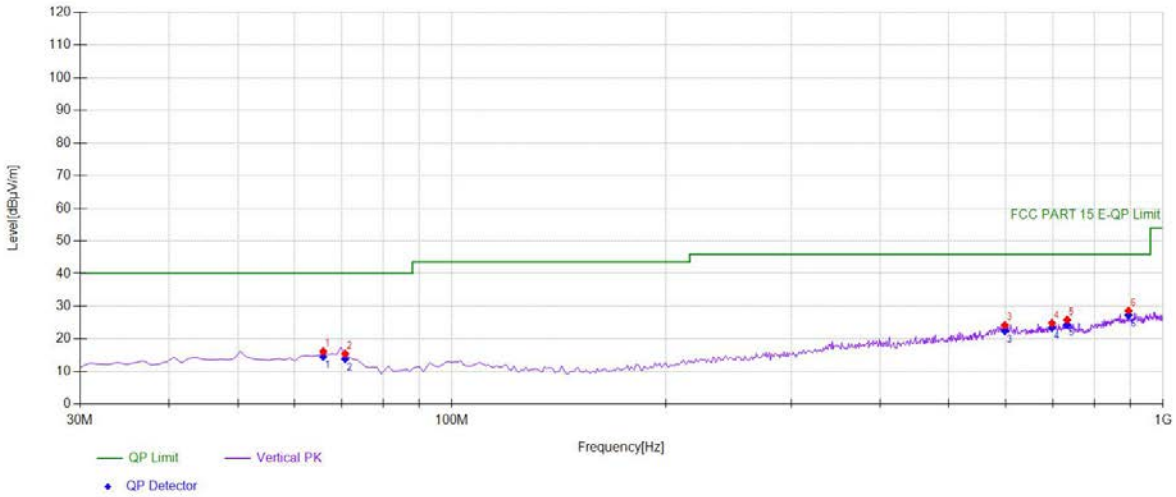


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	68.8388	35.99	-18.53	17.46	PK	40.00	22.54	Horizontal
2	70.7808	36.45	-18.81	17.64	PK	40.00	22.36	Horizontal
3	590.250	31.65	-6.93	24.72	PK	46.00	21.28	Horizontal
4	684.434	31.66	-6.74	24.92	PK	46.00	21.08	Horizontal
5	818.428	31.14	-5.12	26.02	PK	46.00	19.98	Horizontal
6	929.119	31.51	-3.20	28.31	PK	46.00	17.69	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	68.8388	-18.53	15.75	40.00	24.25
2	70.7808	-18.81	16.29	40.00	23.71
3	590.2503	-6.93	23.37	46.00	22.63
4	684.4344	-6.74	23.57	46.00	22.43
5	818.4284	-5.12	24.51	46.00	21.49
6	929.1191	-3.20	27.15	46.00	18.85

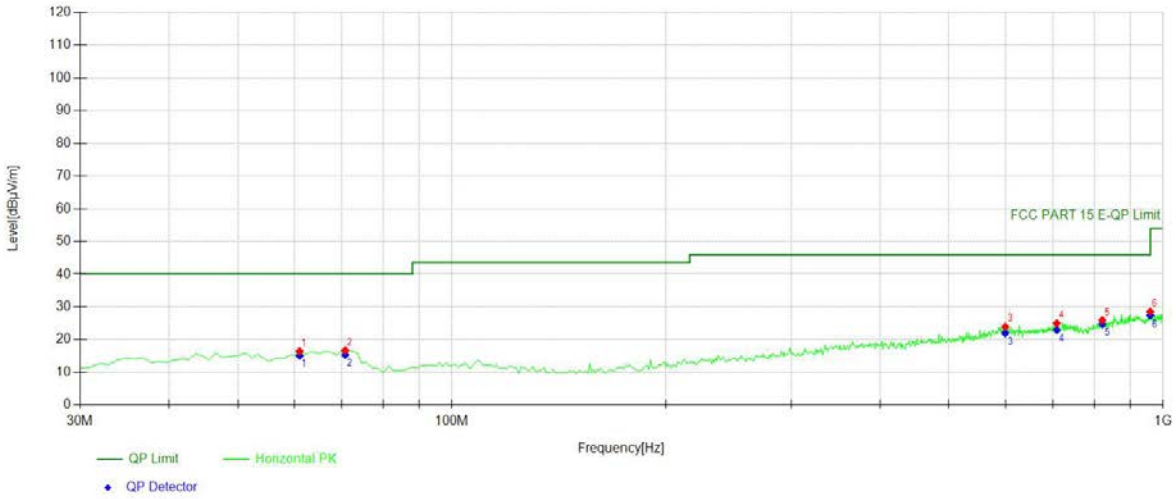
U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11ax(20) Frequency(MHz): 6435



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	65.9259	34.29	-18.14	16.15	PK	40.00	23.85	Vertical
2	70.7808	34.26	-18.81	15.45	PK	40.00	24.55	Vertical
3	598.989	30.70	-6.49	24.21	PK	46.00	21.79	Vertical
4	698.028	31.04	-6.22	24.82	PK	46.00	21.18	Vertical
5	732.983	31.67	-5.84	25.83	PK	46.00	20.17	Vertical
6	894.164	31.97	-3.34	28.63	PK	46.00	17.37	Vertical

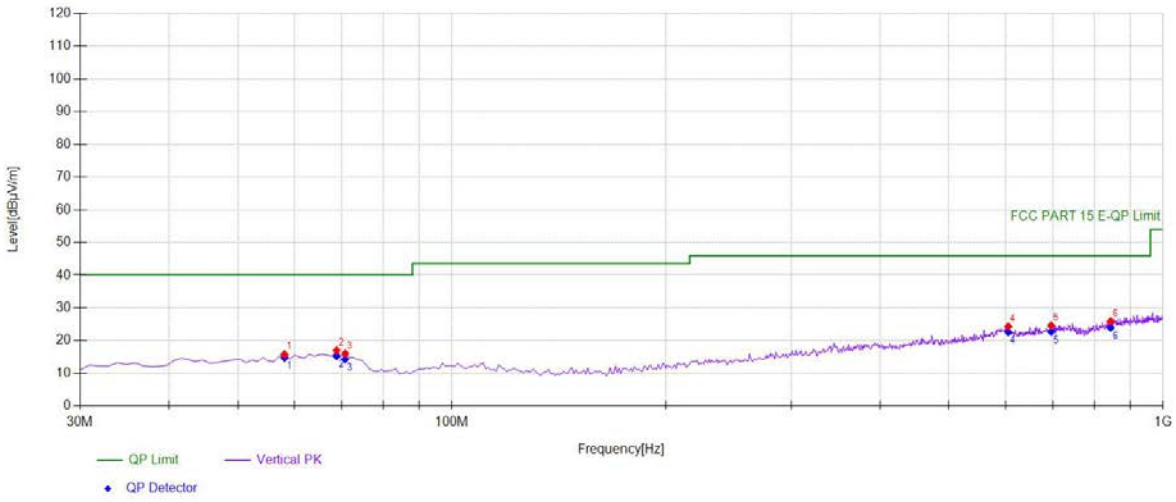
Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	65.9259	-18.14	14.55	40.00	25.45
2	70.7808	-18.81	13.85	40.00	26.15
3	598.989	-6.49	22.45	46.00	23.55
4	698.028	-6.22	23.42	46.00	22.58
5	732.983	-5.84	24.43	46.00	21.57
6	894.1642	-3.34	27.23	46.00	18.77



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	61.0711	33.89	-17.46	16.43	PK	40.00	23.57	Horizontal
2	70.7808	35.50	-18.81	16.69	PK	40.00	23.31	Horizontal
3	599.96	30.38	-6.44	23.94	PK	46.00	22.06	Horizontal
4	708.708	31.03	-6.09	24.94	PK	46.00	21.06	Horizontal
5	821.341	30.98	-5.06	25.92	PK	46.00	20.08	Horizontal
6	959.219	30.96	-2.42	28.54	PK	46.00	17.46	Horizontal

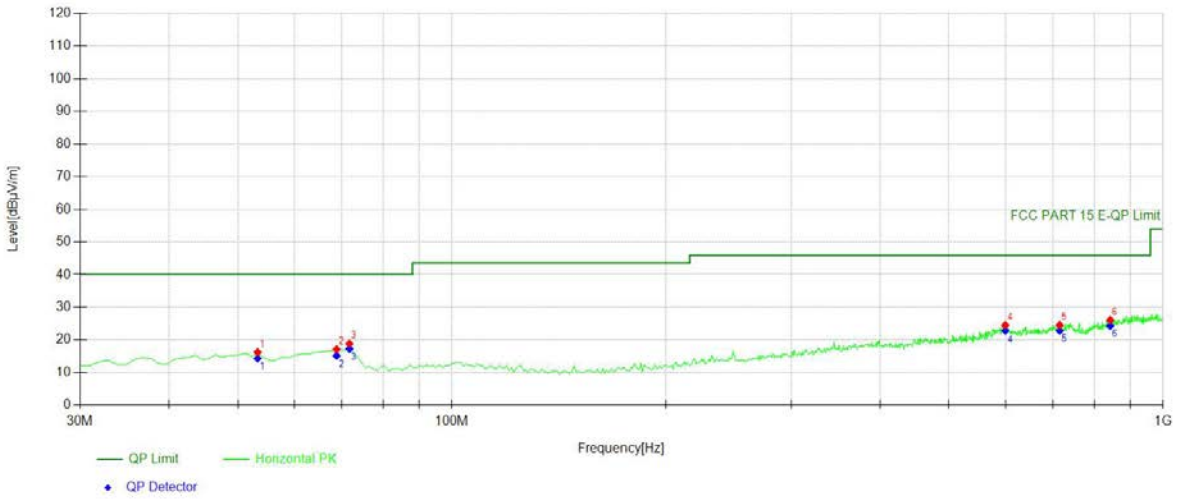
Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	61.0711	-17.46	15.08	40.00	24.92
2	70.7808	-18.81	15.34	40.00	24.66
3	599.96	-6.44	21.95	46.00	24.05
4	708.7087	-6.09	22.95	46.00	23.05
5	821.3413	-5.06	24.76	46.00	21.24
6	959.2192	-2.42	27.38	46.00	18.62

U-NII 6 Band (6425 ~ 6525MHz)			
Test mode:	**802.11ax(20)**	**Frequency(MHz):**	**6475**



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	58.1582	32.90	-17.08	15.82	PK	40.00	24.18	Vertical
2	68.8388	35.50	-18.53	16.97	PK	40.00	23.03	Vertical
3	70.7808	34.85	-18.81	16.04	PK	40.00	23.96	Vertical
4	605.785	31.11	-6.76	24.35	PK	46.00	21.65	Vertical
5	696.086	30.93	-6.30	24.63	PK	46.00	21.37	Vertical
6	843.673	30.34	-4.47	25.87	PK	46.00	20.13	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	58.1582	-17.08	14.74	40.00	25.26
2	68.8388	-18.53	15.25	40.00	24.75
3	70.7808	-18.81	14.32	40.00	25.68
4	605.7858	-6.76	22.63	46.00	23.37
5	696.0861	-6.30	22.74	46.00	23.26
6	843.6737	-4.47	23.98	46.00	22.02

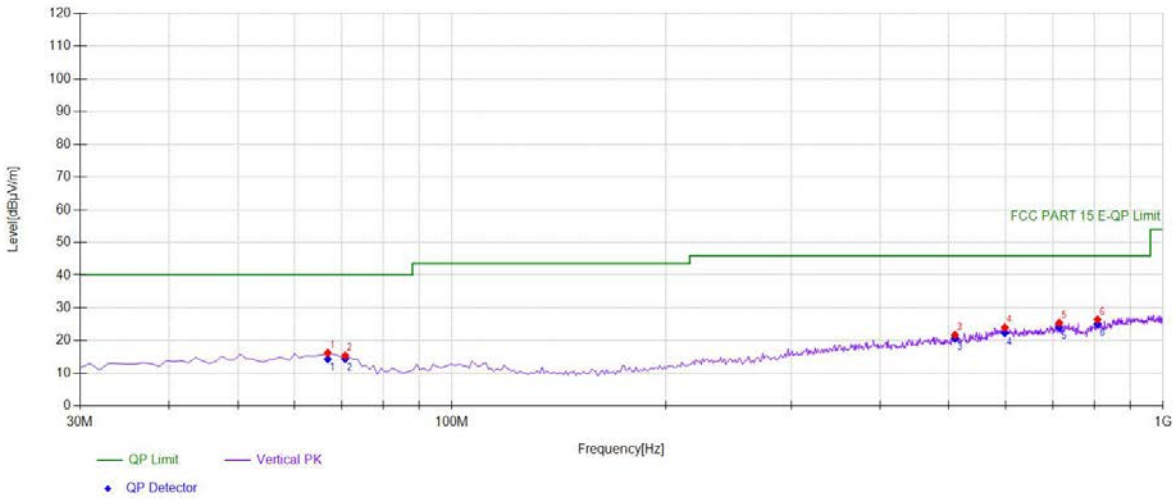


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	53.3033	32.70	-16.44	16.26	PK	40.00	23.74	Horizontal
2	68.8388	35.62	-18.53	17.09	PK	40.00	22.91	Horizontal
3	71.7518	37.82	-18.96	18.86	PK	40.00	21.14	Horizontal
4	599.96	30.99	-6.44	24.55	PK	46.00	21.45	Horizontal
5	715.505	30.67	-6.11	24.56	PK	46.00	21.44	Horizontal
6	842.702	30.60	-4.52	26.08	PK	46.00	19.92	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	53.3033	-16.44	14.34	40.00	25.66
2	68.8388	-18.53	15.17	40.00	24.83
3	71.7518	-18.96	17.29	40.00	22.71
4	599.96	-6.44	22.82	46.00	23.18
5	715.5055	-6.11	22.83	46.00	23.17
6	842.7027	-4.52	24.35	46.00	21.65

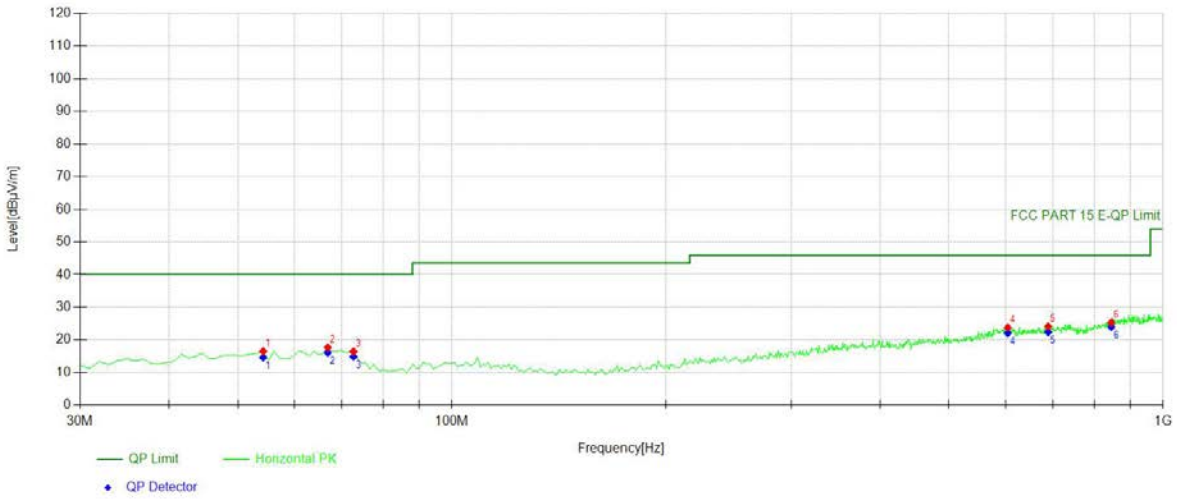
U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11ax(20) **Frequency(MHz):** 6515



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	66.8969	34.48	-18.27	16.21	PK	40.00	23.79	Vertical
2	70.7808	34.22	-18.81	15.41	PK	40.00	24.59	Vertical
3	509.659	31.60	-9.89	21.71	PK	46.00	24.29	Vertical
4	598.989	30.48	-6.49	23.99	PK	46.00	22.01	Vertical
5	714.534	31.48	-6.10	25.38	PK	46.00	20.62	Vertical
6	808.718	31.61	-5.26	26.35	PK	46.00	19.65	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	66.8969	-18.27	14.34	40.00	25.66
2	70.7808	-18.81	14.38	40.00	25.62
3	509.6597	-9.89	20.68	46.00	25.32
4	598.989	-6.49	22.32	46.00	23.68
5	714.5345	-6.10	24.07	46.00	21.93
6	808.7187	-5.26	25.04	46.00	20.96

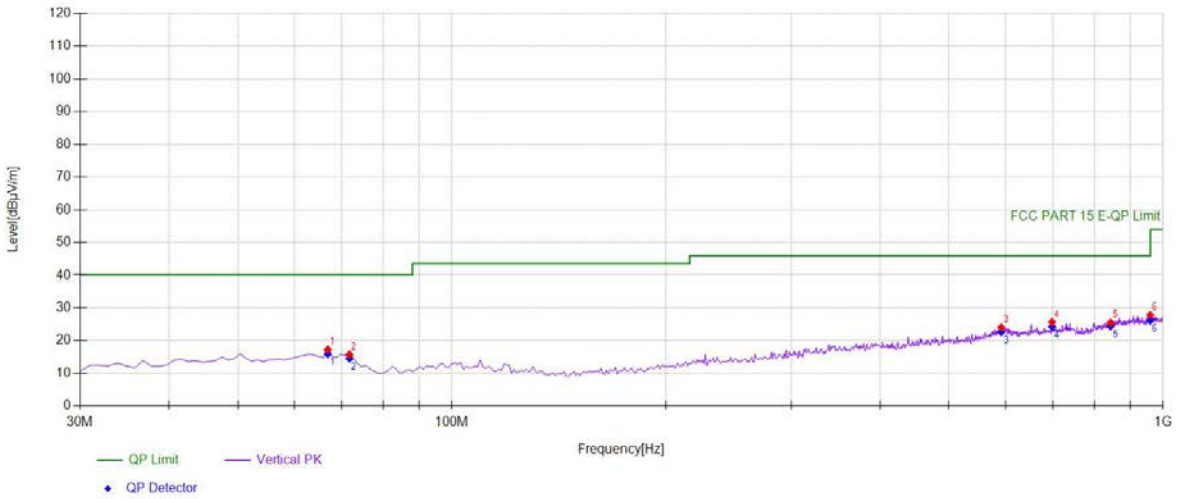


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	54.2743	33.10	-16.56	16.54	PK	40.00	23.46	Horizontal
2	66.8969	35.95	-18.27	17.68	PK	40.00	22.32	Horizontal
3	72.7227	35.55	-19.11	16.44	PK	40.00	23.56	Horizontal
4	604.814	30.49	-6.70	23.79	PK	46.00	22.21	Horizontal
5	689.289	30.66	-6.55	24.11	PK	46.00	21.89	Horizontal
6	845.615	29.71	-4.38	25.33	PK	46.00	20.67	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	54.2743	-16.56	14.63	40.00	25.37
2	66.8969	-18.27	16.13	40.00	23.87
3	72.7227	-19.11	14.89	40.00	25.11
4	604.8148	-6.70	22.08	46.00	23.92
5	689.2893	-6.55	22.40	46.00	23.60
6	845.6156	-4.38	23.98	46.00	22.02

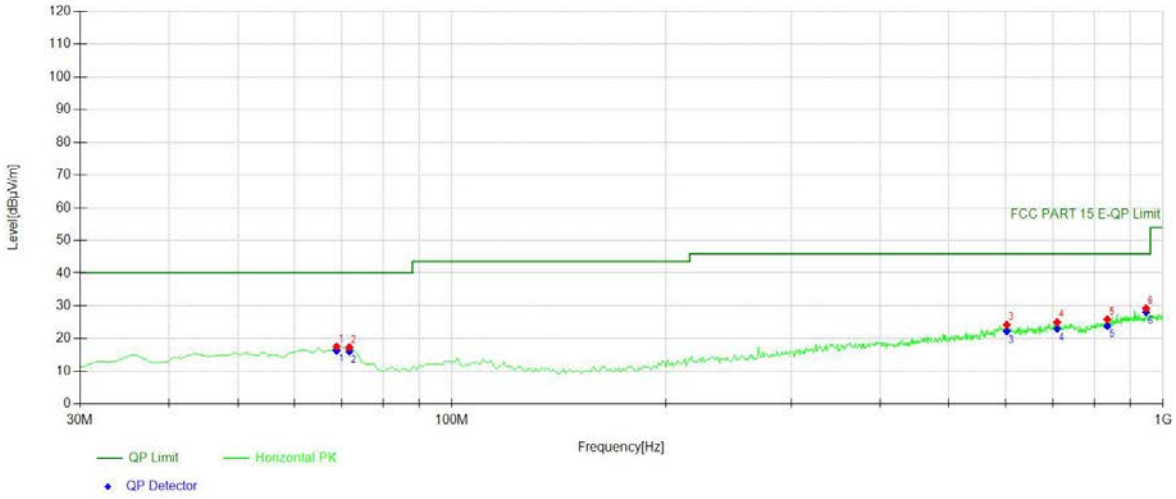
U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11ax(20) **Frequency(MHz):** 6535



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	66.8969	35.49	-18.27	17.22	PK	40.00	22.78	Vertical
2	71.7518	34.71	-18.96	15.75	PK	40.00	24.25	Vertical
3	592.192	30.83	-6.83	24.00	PK	46.00	22.00	Vertical
4	698.028	31.85	-6.22	25.63	PK	46.00	20.37	Vertical
5	843.673	29.92	-4.47	25.45	PK	46.00	20.55	Vertical
6	959.219	30.23	-2.42	27.81	PK	46.00	18.19	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	66.8969	-18.27	16.01	40.00	23.99
2	71.7518	-18.96	14.54	40.00	25.46
3	592.1922	-6.83	22.63	46.00	23.37
4	698.028	-6.22	24.26	46.00	21.74
5	843.6737	-4.47	24.44	46.00	21.56
6	959.2192	-2.42	26.15	46.00	19.85

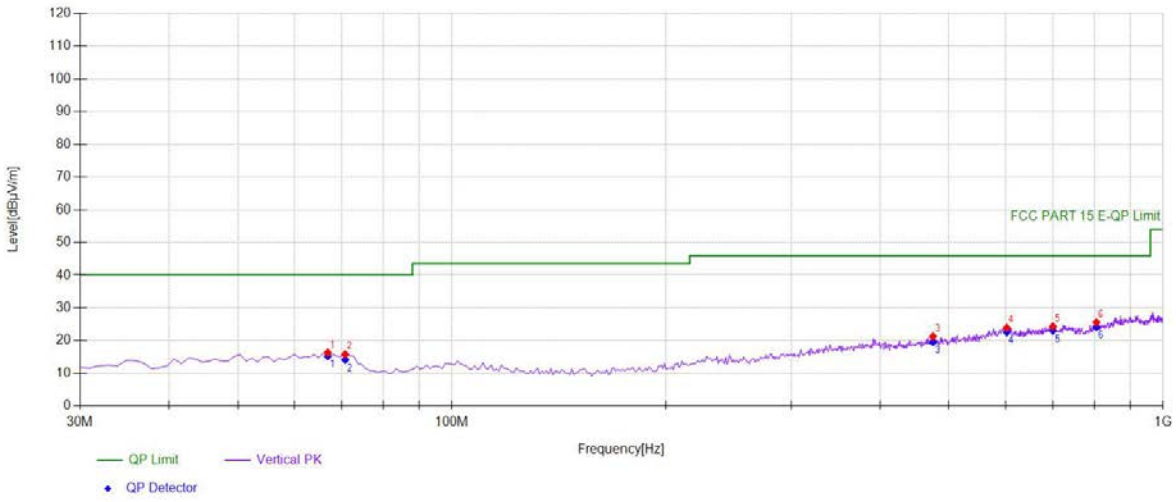


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	68.8388	36.06	-18.53	17.53	PK	40.00	22.47	Horizontal
2	71.7518	36.27	-18.96	17.31	PK	40.00	22.69	Horizontal
3	602.872	30.80	-6.59	24.21	PK	46.00	21.79	Horizontal
4	709.679	31.06	-6.09	24.97	PK	46.00	21.03	Horizontal
5	834.934	30.63	-4.79	25.84	PK	46.00	20.16	Horizontal
6	946.596	32.35	-3.14	29.21	PK	46.00	16.79	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	68.8388	-18.53	16.35	40.00	23.65
2	71.7518	-18.96	16.13	40.00	23.87
3	602.8729	-6.59	22.23	46.00	23.77
4	709.6797	-6.09	22.99	46.00	23.01
5	834.9349	-4.79	23.86	46.00	22.14
6	946.5966	-3.14	28.07	46.00	17.93

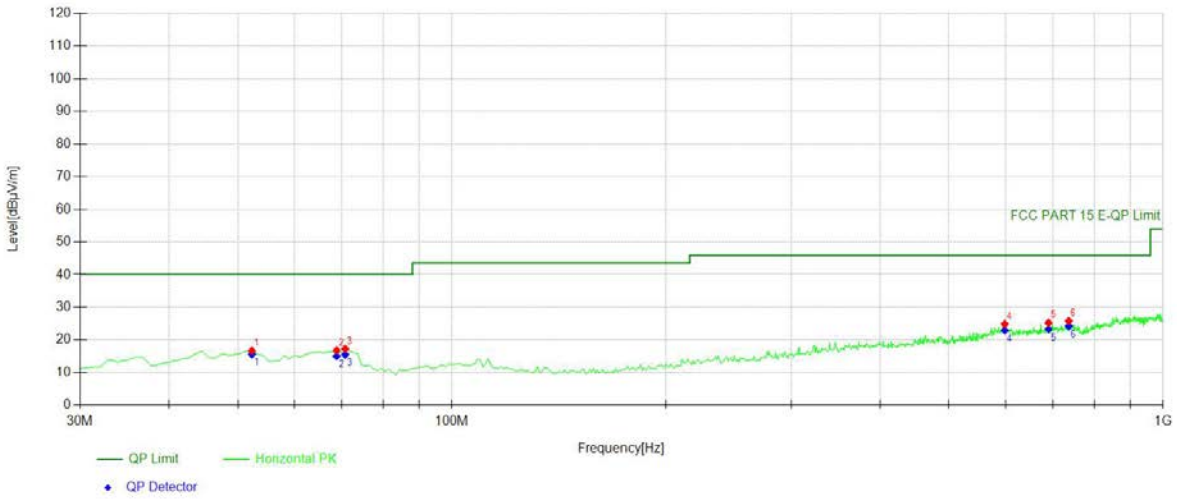
U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11ax(20) Frequency(MHz): 6695



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	66.8969	34.56	-18.27	16.29	PK	40.00	23.71	Vertical
2	70.7808	34.65	-18.81	15.84	PK	40.00	24.16	Vertical
3	474.704	31.40	-10.15	21.25	PK	46.00	24.75	Vertical
4	602.872	30.51	-6.59	23.92	PK	46.00	22.08	Vertical
5	699.97	30.51	-6.14	24.37	PK	46.00	21.63	Vertical
6	805.805	30.85	-5.31	25.54	PK	46.00	20.46	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	66.8969	-18.27	15.24	40.00	24.76
2	70.7808	-18.81	14.15	40.00	25.85
3	474.7047	-10.15	19.56	46.00	26.44
4	602.8729	-6.59	22.59	46.00	23.41
5	699.97	-6.14	23.04	46.00	22.96
6	805.8058	-5.31	24.21	46.00	21.79

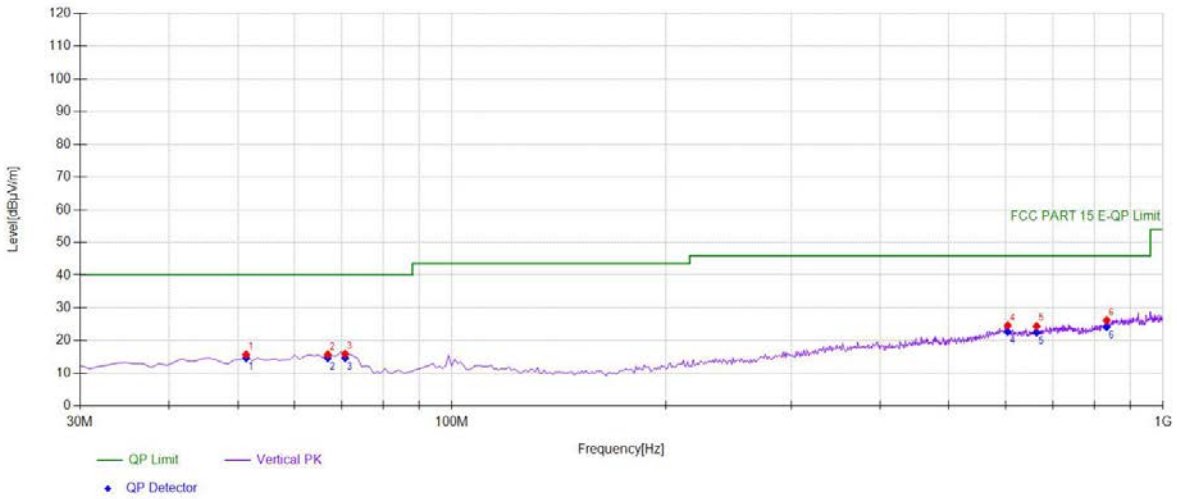


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	52.3323	32.99	-16.31	16.68	PK	40.00	23.32	Horizontal
2	68.8388	35.31	-18.53	16.78	PK	40.00	23.22	Horizontal
3	70.7808	36.06	-18.81	17.25	PK	40.00	22.75	Horizontal
4	598.989	31.35	-6.49	24.86	PK	46.00	21.14	Horizontal
5	690.260	31.75	-6.52	25.23	PK	46.00	20.77	Horizontal
6	736.866	31.52	-5.74	25.78	PK	46.00	20.22	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	52.3323	-16.31	15.58	40.00	24.42
2	68.8388	-18.53	15.04	40.00	24.96
3	70.7808	-18.81	15.51	40.00	24.49
4	598.989	-6.49	22.95	46.00	23.05
5	690.2603	-6.52	23.32	46.00	22.68
6	736.8669	-5.74	24.23	46.00	21.77

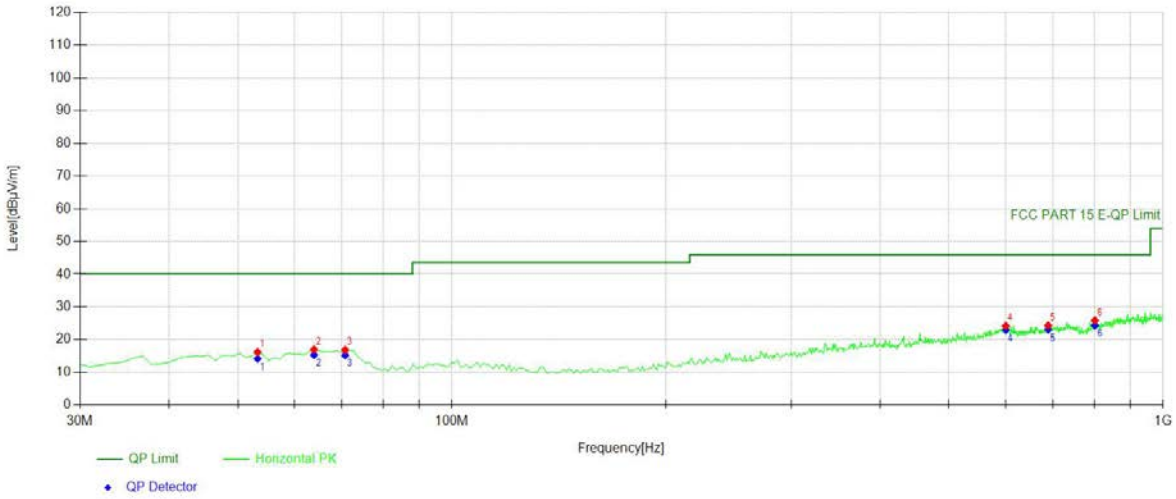
U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11ax(20) Frequency(MHz): 6855



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	51.3614	31.95	-16.19	15.76	PK	40.00	24.24	Vertical
2	66.8969	34.03	-18.27	15.76	PK	40.00	24.24	Vertical
3	70.7808	34.76	-18.81	15.95	PK	40.00	24.05	Vertical
4	604.814	31.35	-6.70	24.65	PK	46.00	21.35	Vertical
5	664.044	31.44	-7.02	24.42	PK	46.00	21.58	Vertical
6	832.993	31.01	-4.84	26.17	PK	46.00	19.83	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	51.3614	-16.19	14.64	40.00	25.36
2	66.8969	-18.27	14.64	40.00	25.36
3	70.7808	-18.81	14.67	40.00	25.33
4	604.8148	-6.70	22.72	46.00	23.28
5	664.044	-7.02	22.49	46.00	23.51
6	832.993	-4.84	24.24	46.00	21.76

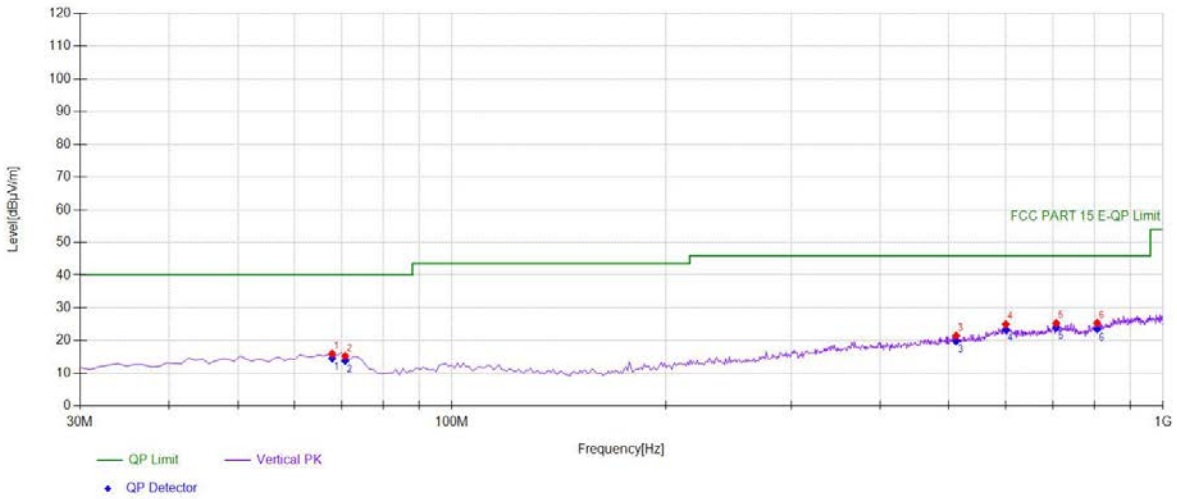


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	53.3033	32.60	-16.44	16.16	PK	40.00	23.84	Horizontal
2	63.984	34.81	-17.87	16.94	PK	40.00	23.06	Horizontal
3	70.7808	35.66	-18.81	16.85	PK	40.00	23.15	Horizontal
4	600.930	30.69	-6.49	24.20	PK	46.00	21.80	Horizontal
5	689.289	30.88	-6.55	24.33	PK	46.00	21.67	Horizontal
6	801.921	31.22	-5.38	25.84	PK	46.00	20.16	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	53.3033	-16.44	14.18	40.00	25.82
2	63.984	-17.87	15.32	40.00	24.68
3	70.7808	-18.81	15.23	40.00	24.77
4	600.9309	-6.49	22.94	46.00	23.06
5	689.2893	-6.55	23.07	46.00	22.93
6	801.9219	-5.38	24.41	46.00	21.59

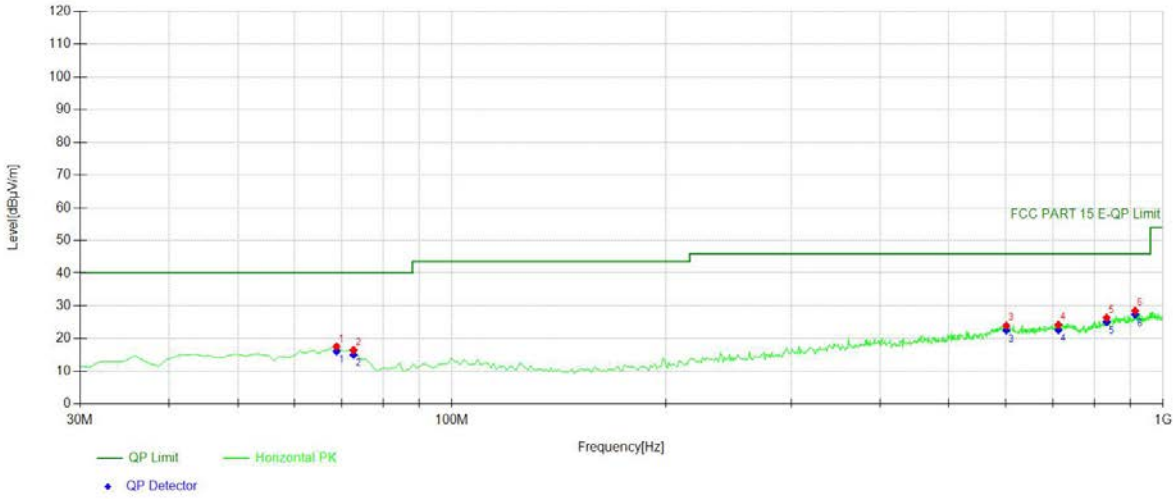
U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11ax(20) **Frequency(MHz):** 6895



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	67.8679	34.40	-18.40	16.00	PK	40.00	24.00	Vertical
2	70.7808	34.09	-18.81	15.28	PK	40.00	24.72	Vertical
3	511.601	31.31	-9.85	21.46	PK	46.00	24.54	Vertical
4	600.930	31.44	-6.49	24.95	PK	46.00	21.05	Vertical
5	707.737	31.41	-6.10	25.31	PK	46.00	20.69	Vertical
6	807.747	30.67	-5.28	25.39	PK	46.00	20.61	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	67.8679	-18.40	14.57	40.00	25.43
2	70.7808	-18.81	13.85	40.00	26.15
3	511.6016	-9.85	19.87	46.00	26.13
4	600.9309	-6.49	23.36	46.00	22.64
5	707.7377	-6.10	24.07	46.00	21.93
6	807.7477	-5.28	23.51	46.00	22.49

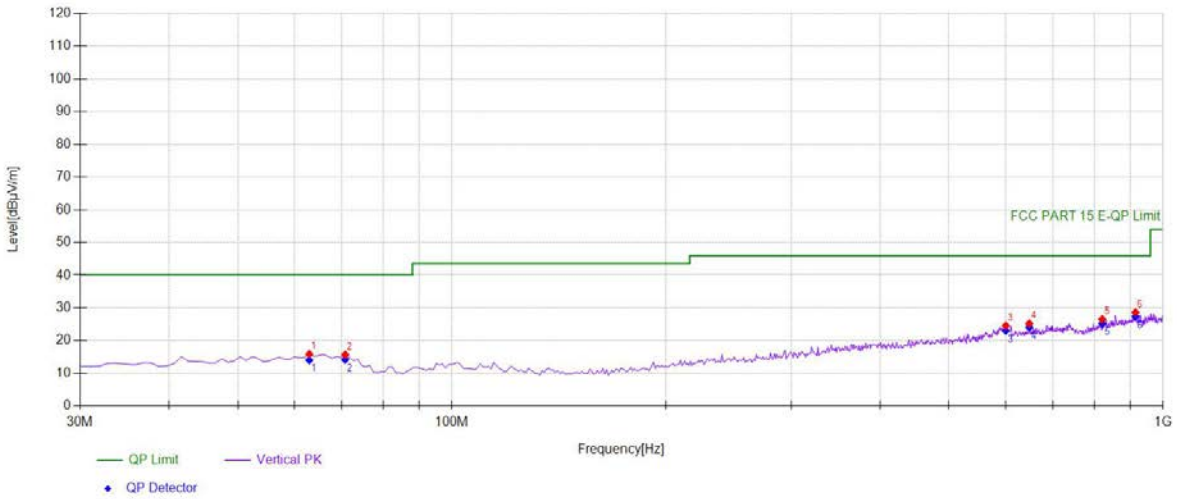


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	68.8388	36.09	-18.53	17.56	PK	40.00	22.44	Horizontal
2	72.7227	35.59	-19.11	16.48	PK	40.00	23.52	Horizontal
3	601.901	30.49	-6.54	23.95	PK	46.00	22.05	Horizontal
4	712.592	30.30	-6.09	24.21	PK	46.00	21.79	Horizontal
5	832.993	31.15	-4.84	26.31	PK	46.00	19.69	Horizontal
6	913.583	31.55	-3.05	28.50	PK	46.00	17.50	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	68.8388	-18.53	16.15	40.00	23.85
2	72.7227	-19.11	15.07	40.00	24.93
3	601.9019	-6.54	22.54	46.00	23.46
4	712.5926	-6.09	22.63	46.00	23.37
5	832.993	-4.84	25.09	46.00	20.91
6	913.5836	-3.05	27.28	46.00	18.72

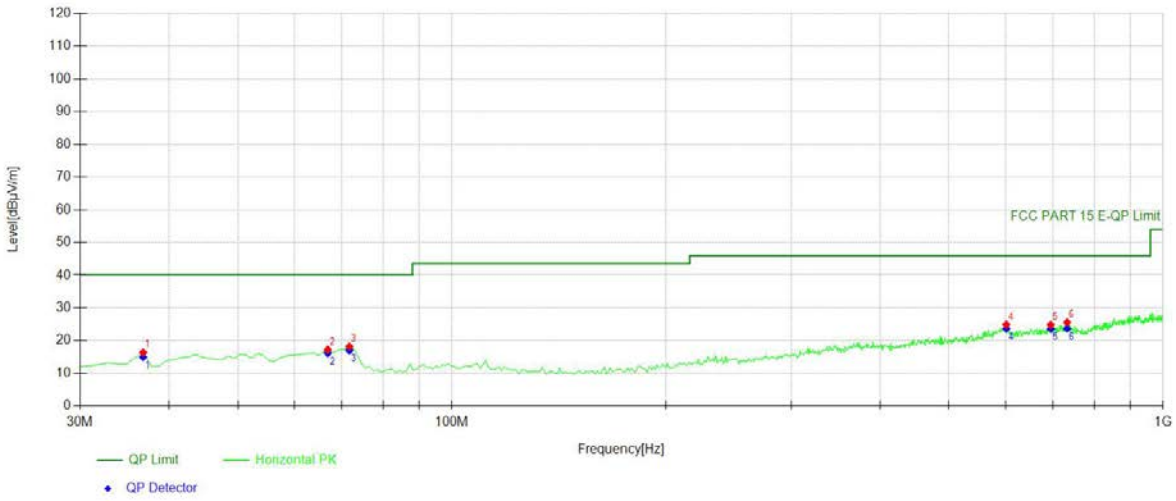
U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11ax(20) **Frequency(MHz):** 6995



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	63.013	33.64	-17.73	15.91	PK	40.00	24.09	Vertical
2	70.7808	34.53	-18.81	15.72	PK	40.00	24.28	Vertical
3	600.930	31.08	-6.49	24.59	PK	46.00	21.41	Vertical
4	648.508	32.51	-7.29	25.22	PK	46.00	20.78	Vertical
5	821.341	31.54	-5.06	26.48	PK	46.00	19.52	Vertical
6	914.554	31.67	-3.03	28.64	PK	46.00	17.36	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	63.013	-17.73	14.02	40.00	25.98
2	70.7808	-18.81	14.19	40.00	25.81
3	600.9309	-6.49	23.06	46.00	22.94
4	648.5085	-7.29	24.05	46.00	21.95
5	821.3413	-5.06	25.31	46.00	20.69
6	914.5546	-3.03	27.31	46.00	18.69

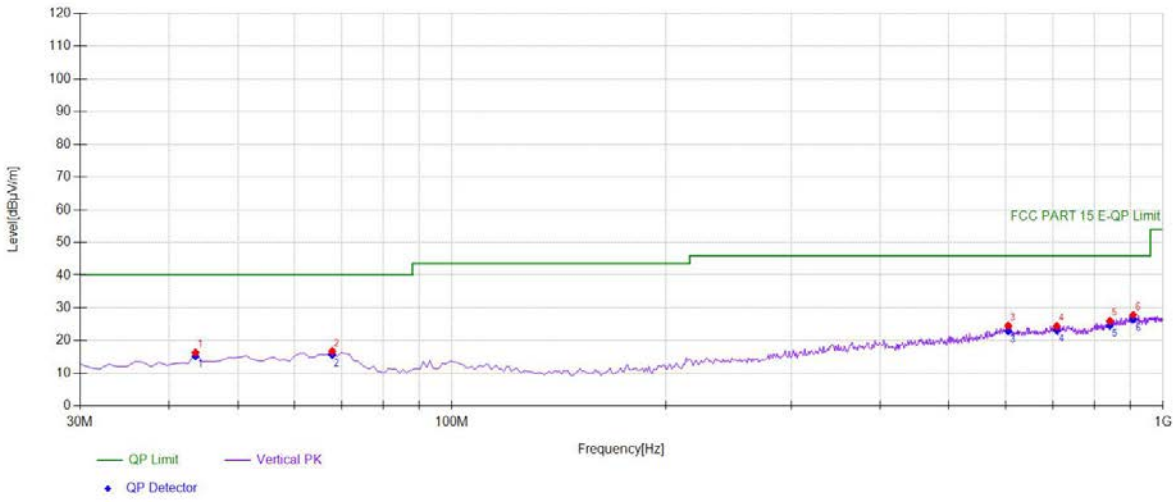


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	36.7968	34.19	-17.83	16.36	PK	40.00	23.64	Horizontal
2	66.8969	35.50	-18.27	17.23	PK	40.00	22.77	Horizontal
3	71.7518	37.16	-18.96	18.20	PK	40.00	21.80	Horizontal
4	601.901	31.41	-6.54	24.87	PK	46.00	21.13	Horizontal
5	695.115	31.12	-6.33	24.79	PK	46.00	21.21	Horizontal
6	732.983	31.38	-5.84	25.54	PK	46.00	20.46	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	36.7968	-17.83	14.97	40.00	25.03
2	66.8969	-18.27	16.20	40.00	23.80
3	71.7518	-18.96	17.01	40.00	22.99
4	601.9019	-6.54	23.68	46.00	22.32
5	695.1151	-6.33	23.60	46.00	22.40
6	732.983	-5.84	23.71	46.00	22.29

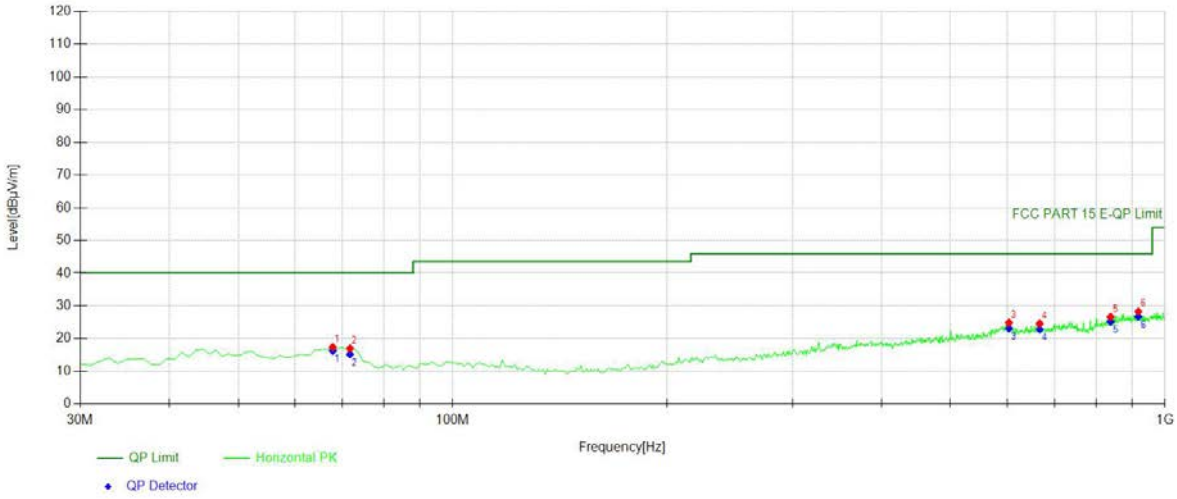
U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11ax(20) **Frequency(MHz):** 7115



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	43.5936	33.25	-16.91	16.34	PK	40.00	23.66	Vertical
2	67.8679	35.15	-18.40	16.75	PK	40.00	23.25	Vertical
3	605.785	31.33	-6.76	24.57	PK	46.00	21.43	Vertical
4	708.708	30.56	-6.09	24.47	PK	46.00	21.53	Vertical
5	841.731	30.56	-4.57	25.99	PK	46.00	20.01	Vertical
6	907.757	30.95	-3.11	27.84	PK	46.00	18.16	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	43.5936	-16.91	15.27	40.00	24.73
2	67.8679	-18.40	15.68	40.00	24.32
3	605.7858	-6.76	22.86	46.00	23.14
4	708.7087	-6.09	23.12	46.00	22.88
5	841.7317	-4.57	24.64	46.00	21.36
6	907.7578	-3.11	26.49	46.00	19.51



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	67.8679	35.78	-18.40	17.38	PK	40.00	22.62	Horizontal
2	71.7518	35.92	-18.96	16.96	PK	40.00	23.04	Horizontal
3	603.843	31.49	-6.65	24.84	PK	46.00	21.16	Horizontal
4	666.957	31.62	-7.01	24.61	PK	46.00	21.39	Horizontal
5	838.818	31.30	-4.69	26.61	PK	46.00	19.39	Horizontal
6	917.467	31.26	-2.99	28.27	PK	46.00	17.73	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	67.8679	-18.40	16.27	40.00	23.73
2	71.7518	-18.96	15.21	40.00	24.79
3	603.8438	-6.65	23.09	46.00	22.91
4	666.957	-7.01	22.86	46.00	23.14
5	838.8188	-4.69	25.22	46.00	20.78
6	917.4675	-2.99	26.72	46.00	19.28

All antennas and modulation modes are tested, the data of the worst mode is described in the table.

8.7 POWER LINE CONDUCTED EMISSIONS

8.7.1 Applicable Standard

According to FCC Part 15.207(a)
According to IC RSS-Gen 8.8

8.7.2 Conformance Limit

	Conducted Emission Limit	
Frequency(MHz)	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note:
1. The lower limit shall apply at the transition frequencies
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

8.7.3 Test Configuration

Test according to clause 7.3 conducted emission test setup.

8.7.4 Test Procedure

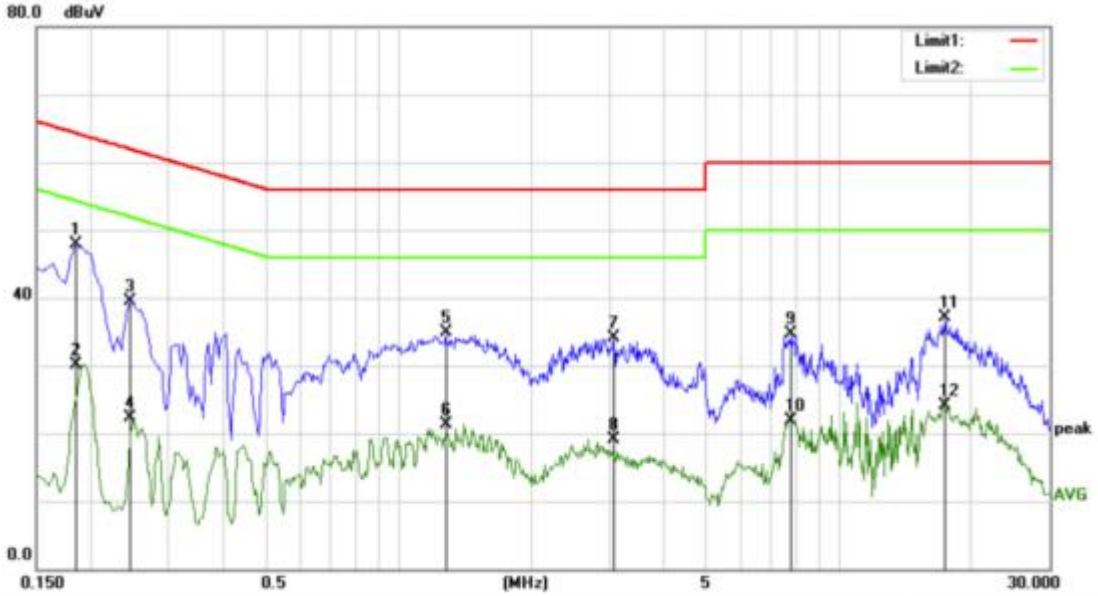
The EUT was placed on a table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Repeat above procedures until all frequency measured were complete.

8.7.5 Test Results

PASS

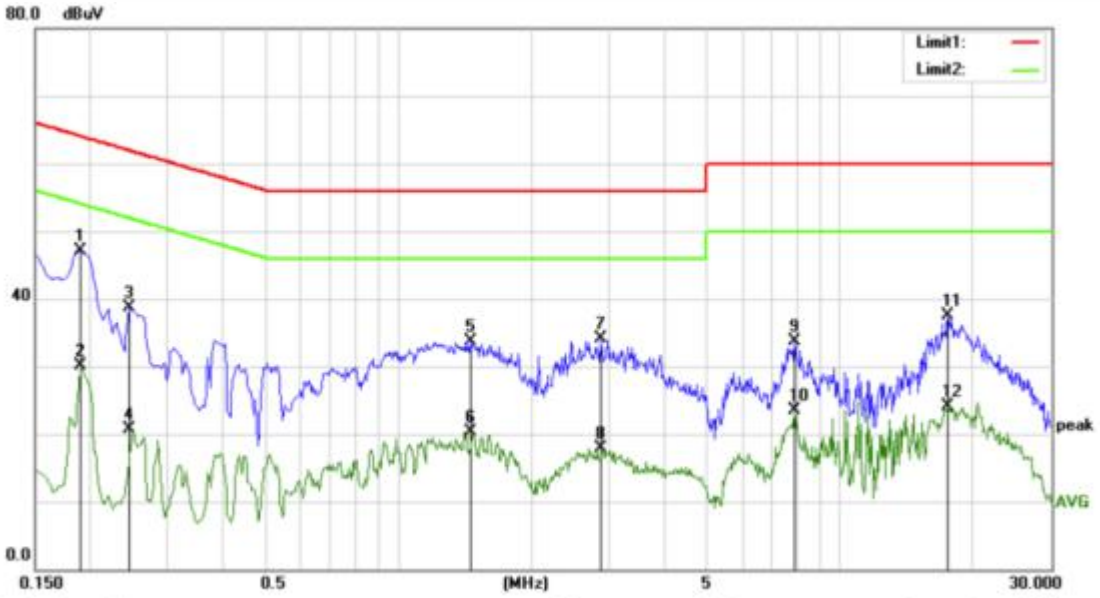
Temperature :	25.1℃	ATM Pressure:	1011 mbar
Humidity :	45%	Test Engineer:	CSL

The AC120V &240V voltage have been tested, and the worst result of AC120V was report as below.



Site Conduction 2# Phase: N Temperature: 25.1

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1850	37.26	10.65	47.91	64.26	-16.35	QP	
2		0.1850	19.46	10.65	30.11	54.26	-24.15	AVG	
3		0.2450	28.92	10.65	39.57	61.92	-22.35	QP	
4		0.2450	11.68	10.65	22.33	51.92	-29.59	AVG	
5		1.2800	24.16	10.67	34.83	56.00	-21.17	QP	
6		1.2800	10.62	10.67	21.29	46.00	-24.71	AVG	
7		3.0800	23.48	10.53	34.01	56.00	-21.99	QP	
8		3.0800	8.66	10.53	19.19	46.00	-26.81	AVG	
9		7.7800	24.13	10.51	34.64	60.00	-25.36	QP	
10		7.7800	11.42	10.51	21.93	50.00	-28.07	AVG	
11		17.4550	26.27	10.91	37.18	60.00	-22.82	QP	
12		17.4550	13.16	10.91	24.07	50.00	-25.93	AVG	



Site Conduction 2# Phase: L1 Temperature: 25.1

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1900	36.51	10.64	47.15	64.04	-16.89	QP	
2		0.1900	19.46	10.64	30.10	54.04	-23.94	AVG	
3		0.2450	28.14	10.65	38.79	61.92	-23.13	QP	
4		0.2450	10.11	10.65	20.76	51.92	-31.16	AVG	
5		1.4550	23.13	10.66	33.79	56.00	-22.21	QP	
6		1.4550	9.57	10.66	20.23	46.00	-25.77	AVG	
7		2.8600	23.54	10.55	34.09	56.00	-21.91	QP	
8		2.8600	7.44	10.55	17.99	46.00	-28.01	AVG	
9		7.8800	23.16	10.52	33.68	60.00	-26.32	QP	
10		7.8800	12.90	10.52	23.42	50.00	-26.58	AVG	
11		17.5050	26.48	10.93	37.41	60.00	-22.59	QP	
12		17.5050	13.18	10.93	24.11	50.00	-25.89	AVG	

8.8 ANTENNA REQUIREMENT

8.8.1 Requirement

Standard	Requirement
FCC CRF Part 15.203	An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.
RSS-Gen Section 6.8	The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

8.8.2 Result

PASS

Temperature :	25℃	ATM Pressure:	1011 mbar
Humidity :	45 %	Test Engineer:	XXH

The EUT is Integrated Antenna, antenna gain is Ant1: 2.22dBi, Ant2: 3.45dBi.

☑ Antenna use a permanently attached antenna which is not replaceable.

☐ Not using a standard antenna jack or electrical connector for antenna replacement

☐ The antenna has to be professionally installed (please provide method of installation)

Please refer to the attached document Internal Photos to show the antenna connector.

Detail of factor for radiated emission

Frequency(MHz)	Ant_F(dB)	Cab_L(dB)	Preamp(dB)	Correct Factor(dB)
0.009	20.6	0.03	\	20.63
0.15	20.7	0.1	\	20.8
1	20.9	0.15	\	21.05
10	20.1	0.28	\	20.38
30	18.8	0.45	\	19.25
30	11.7	0.62	27.9	-15.58
100	12.5	1.02	27.8	-14.28
300	12.9	1.91	27.5	-12.69
600	19.2	2.92	27	-4.88
800	21.1	3.54	26.6	-1.96
1000	22.3	4.17	26.2	0.27
1000	25.6	1.76	41.4	-14.04
3000	28.9	3.27	43.2	-11.03
5000	31.1	4.2	44.6	-9.3
8000	36.2	5.95	44.7	-2.55
10000	38.4	6.3	43.9	0.8
12000	38.5	7.14	42.3	3.34
15000	40.2	8.15	41.4	6.95
18000	45.4	9.02	41.3	13.12
18000	37.9	1.81	47.9	-8.19
21000	37.9	1.95	48.7	-8.85
25000	39.3	2.01	42.8	-1.49
28000	39.6	2.16	46.0	-4.24
31000	41.2	2.24	44.5	-1.06
34000	41.5	2.29	46.6	-2.81
37000	43.8	2.30	46.4	-0.3
40000	43.2	2.50	42.2	3.5

--- End of Report ---

声　明
Statement

1．本报告无授权批准人签字及“检验检测专用章”无效。
1．This report is invalid without the signature of the authorized approver and "special seal for testing".

2．未经许可本报告不得部分复制。
2．This report shall not be copied partly without authorization.

3．本报告的检测结果仅对送测样品有效，委托方对样品的代表性和资料的真实性负责。
3．The test results or observations are applicable only to tested sample. Client shall be responsible for representativeness of the sample and authenticity of the material.

4．本检测报告中检测项目标注有特殊符号则该项目不在资质认定范围内，仅作为客户委托、科研、教学或内部质量控制等目的使用。
4．The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.

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5．The test results or observations are provided in accordance with measured value, without taking risks caused by uncertainty into account. Without explicit stipulation in special agreements, standards or regulations, EMTEK shall not assume any responsibility.

6．对本检验报告若有异议，请于收到报告之日起 20 日内提出。
6．Objections shall be raised within 20 days from the date receiving the report.