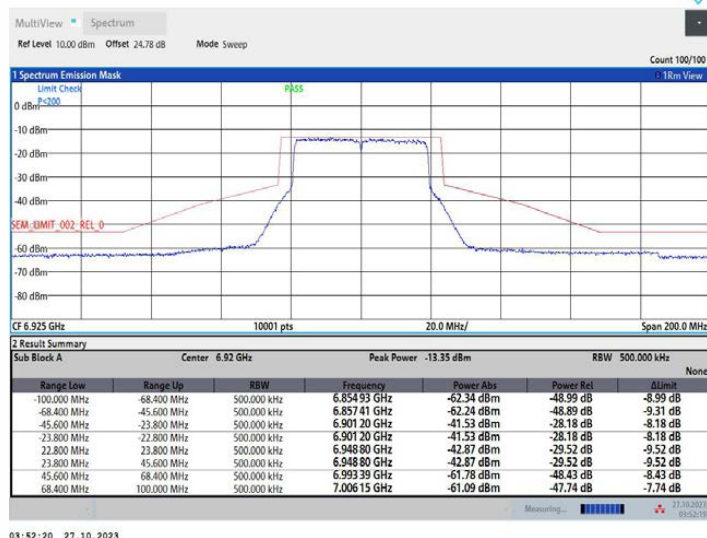
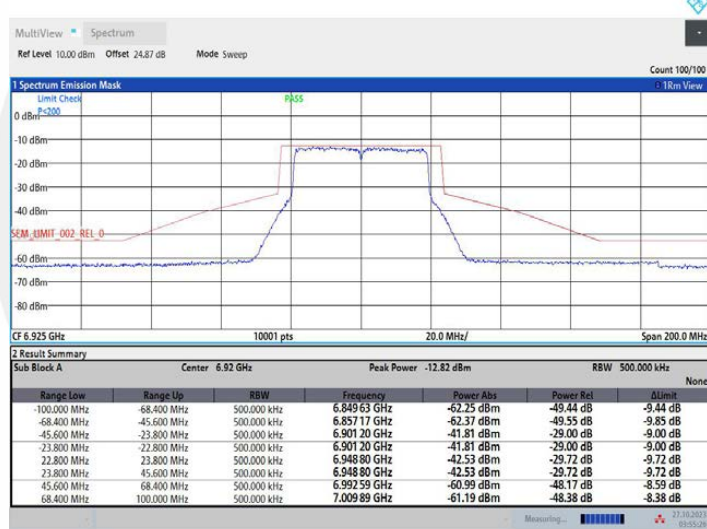
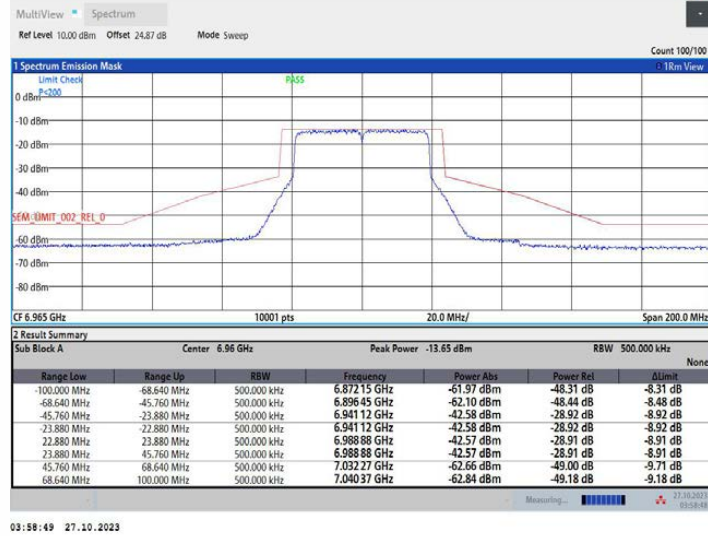




11AX40MIMO_Ant2_6925



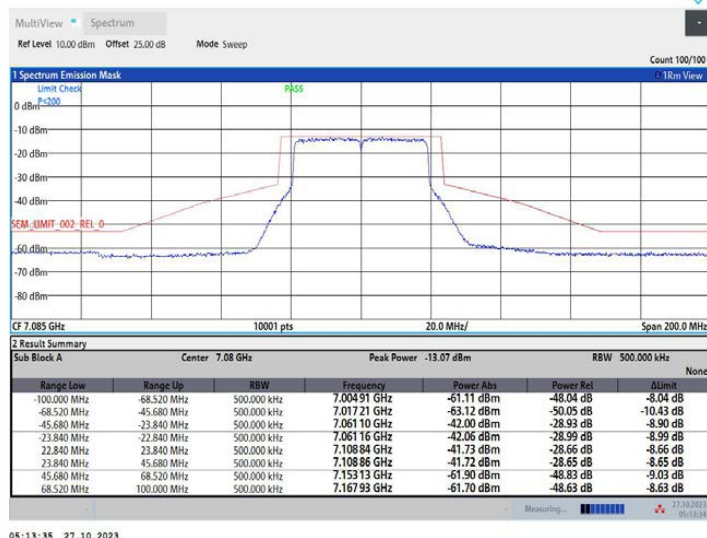
11AX40MIMO_Ant1_6965



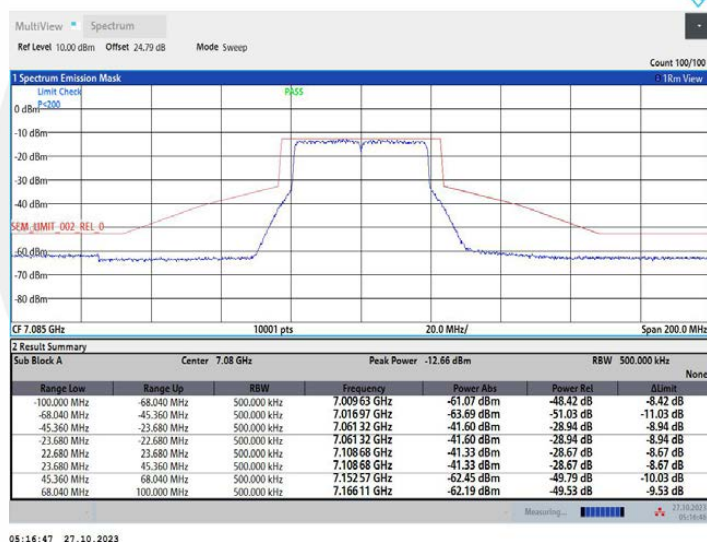
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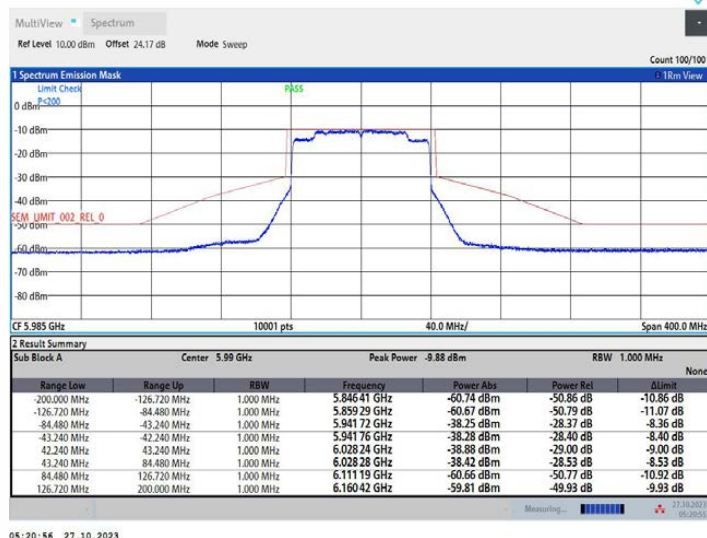
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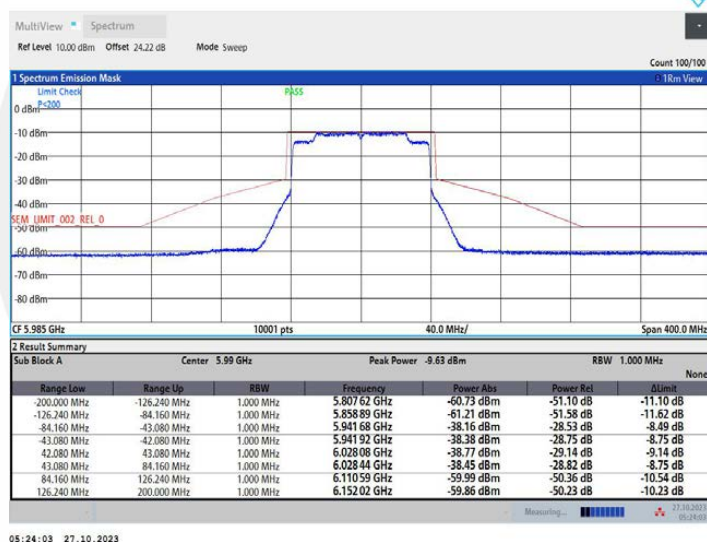
11AX40MIMO_Ant2_7085



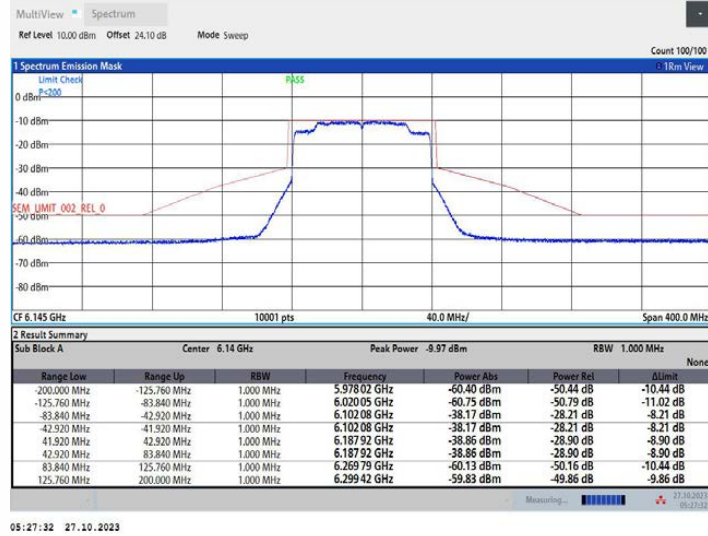
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11AX80MIMO_Ant2_5985



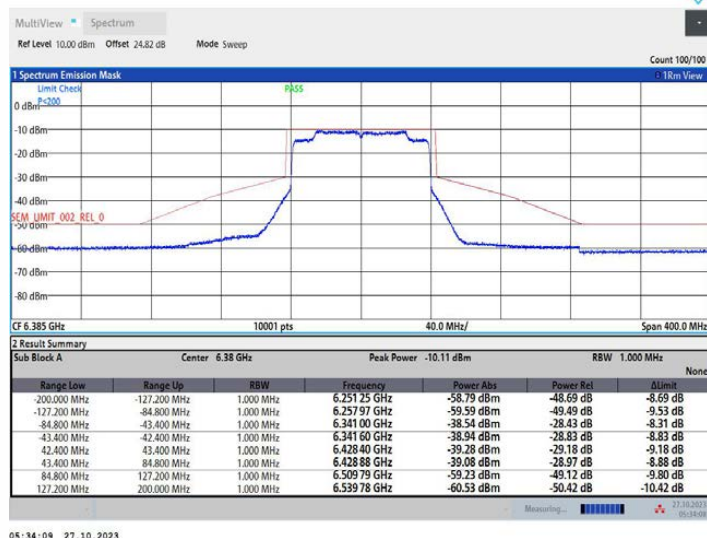
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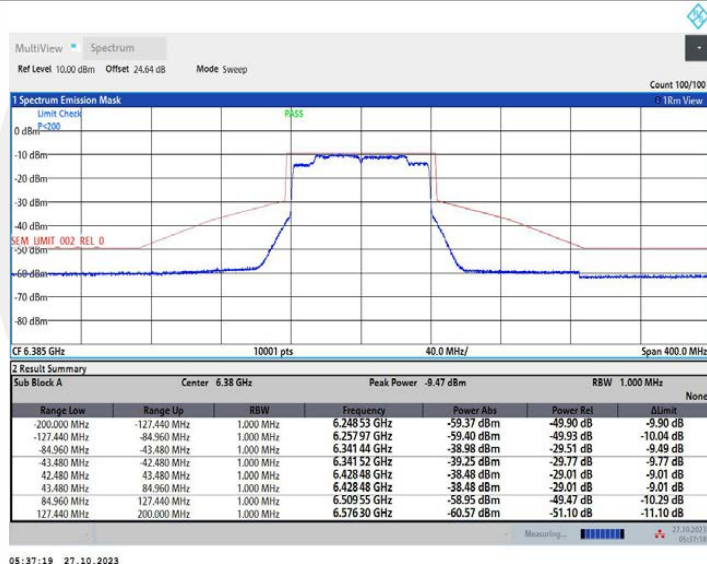
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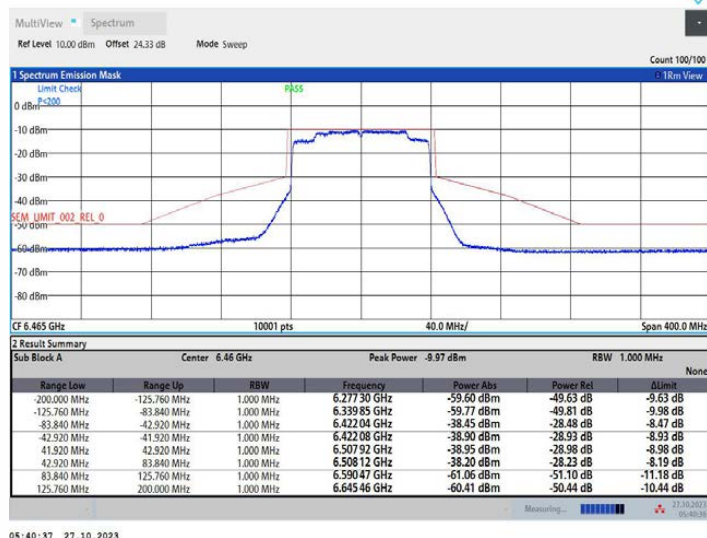
11AX80MIMO_Ant1_6385



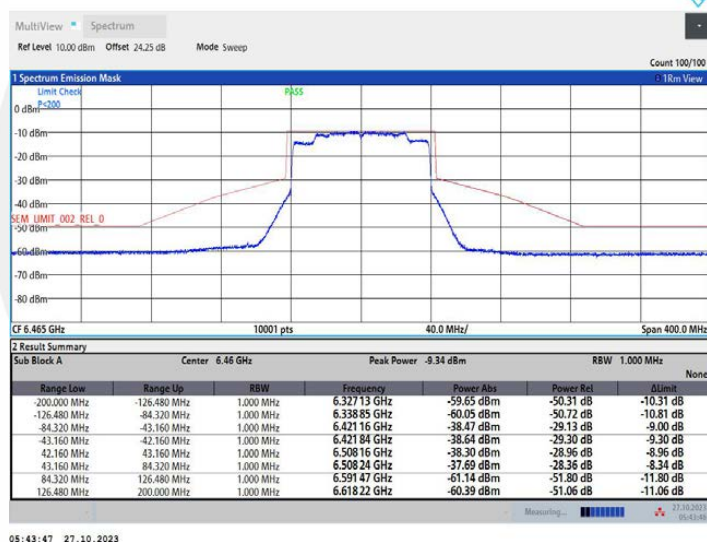
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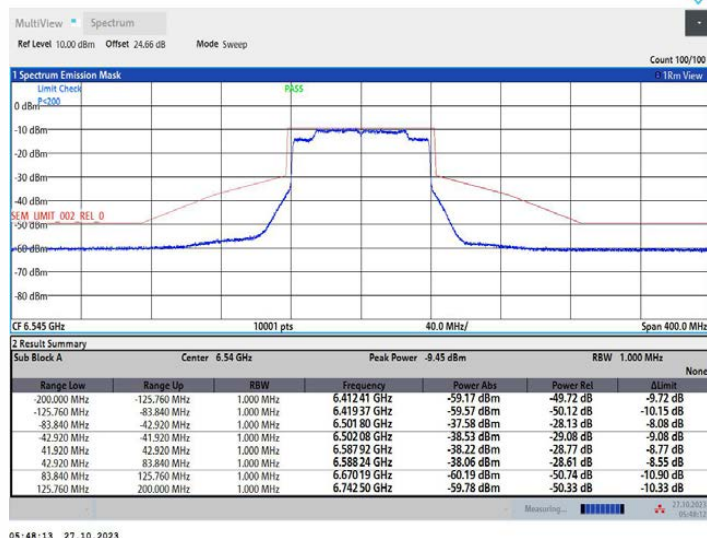
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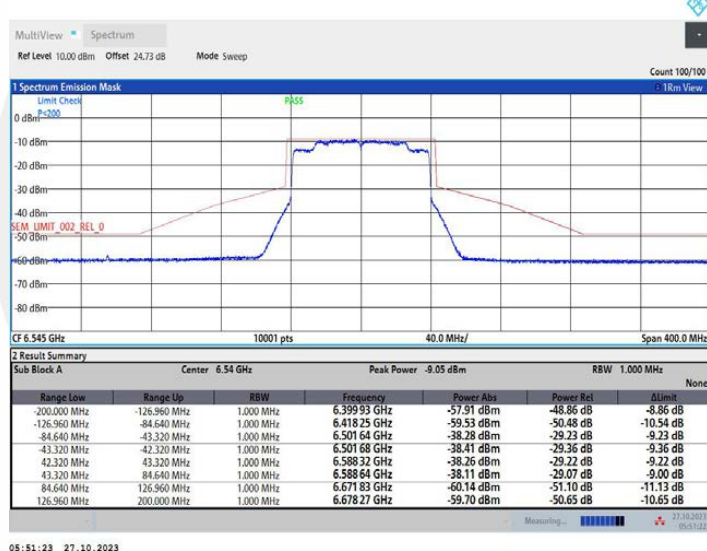
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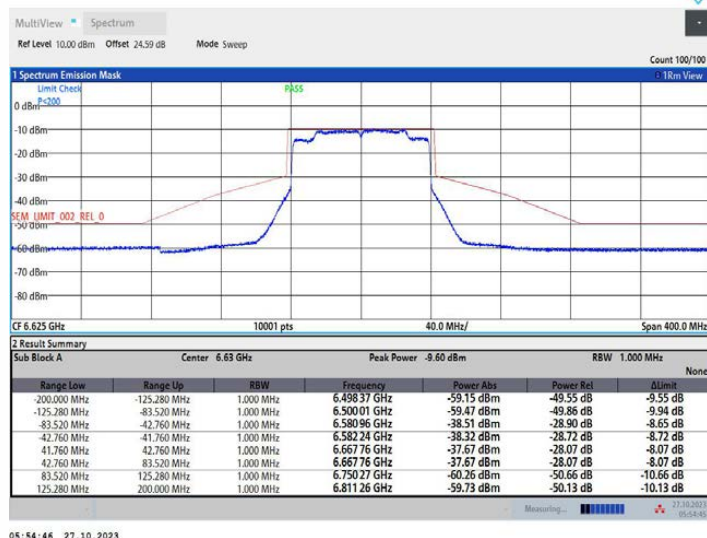
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11AX80MIMO_Ant2_6545



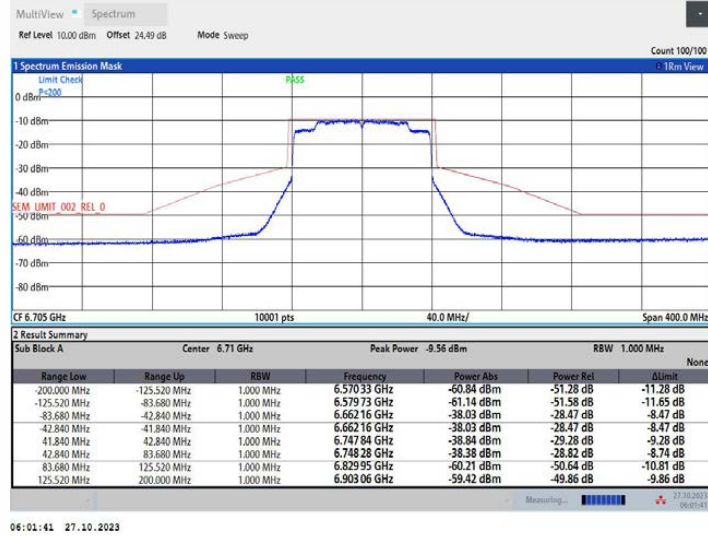
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11AX80MIMO_Ant2_6625



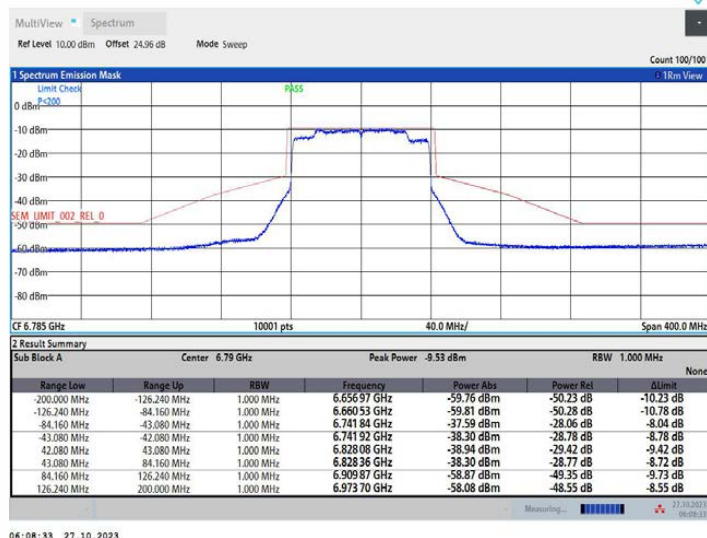
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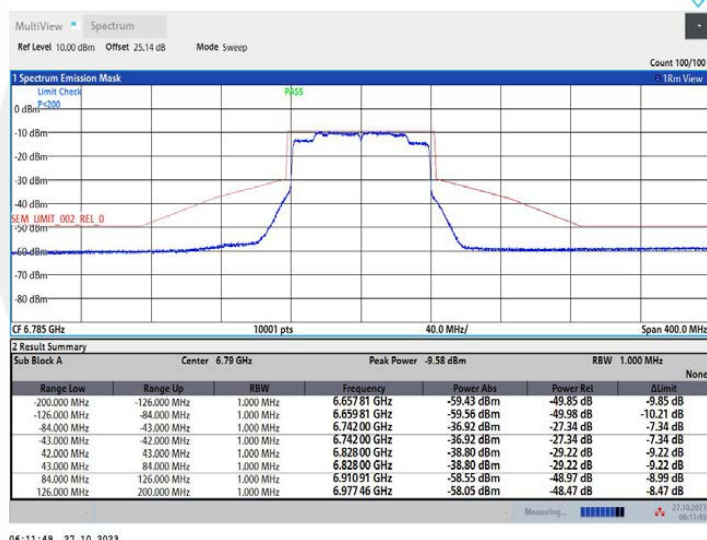
11AX80MIMO_Ant2_6705



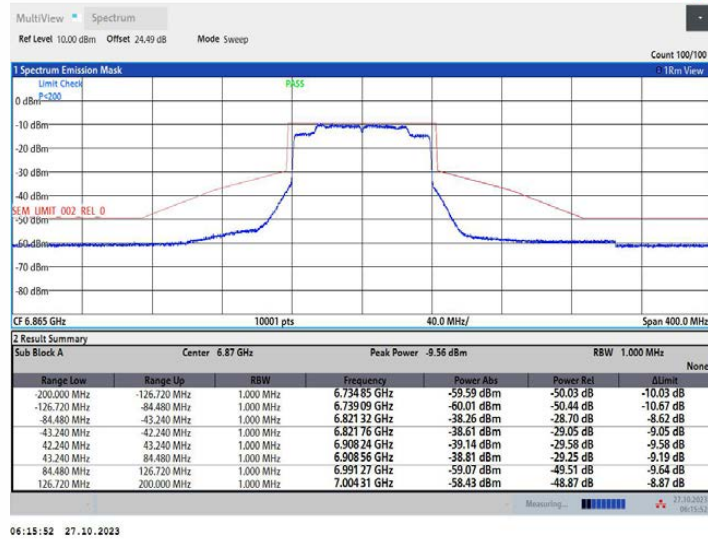
11AX80MIMO_Ant1_6785



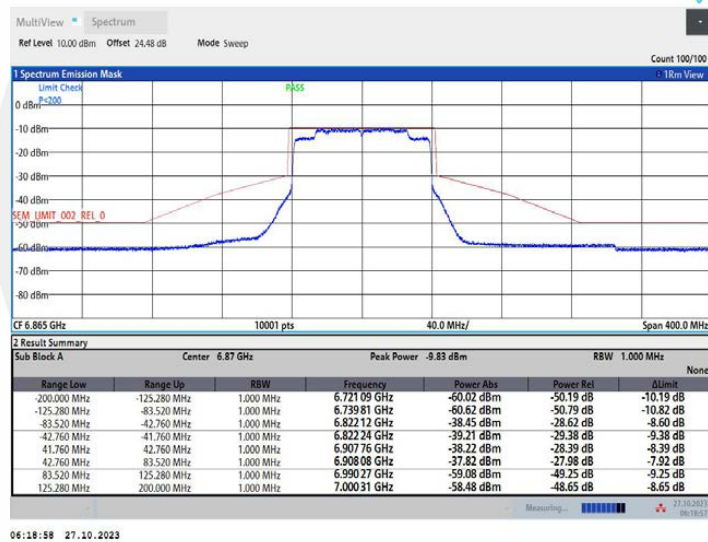
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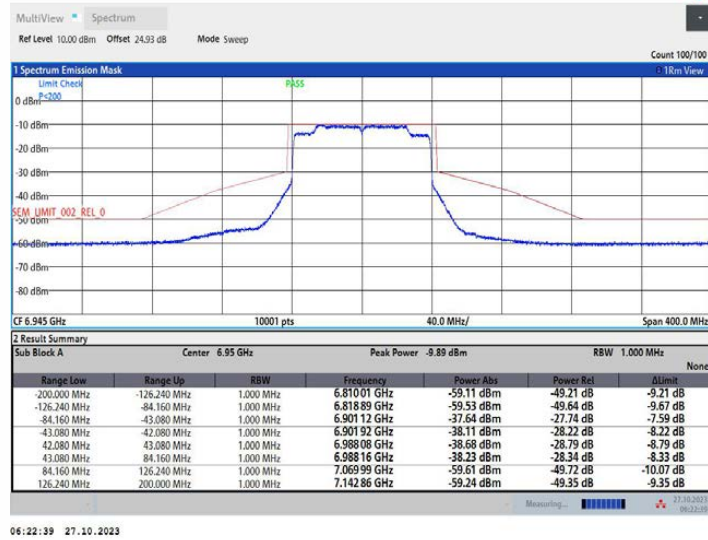
11AX80MIMO_Ant1_6865



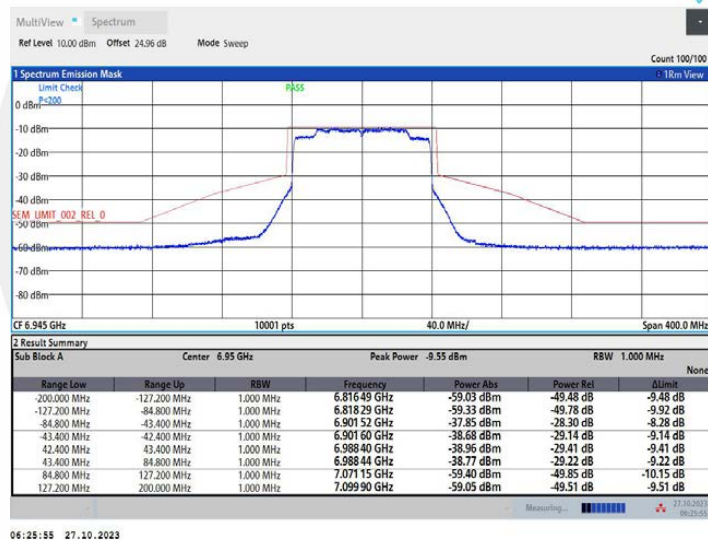
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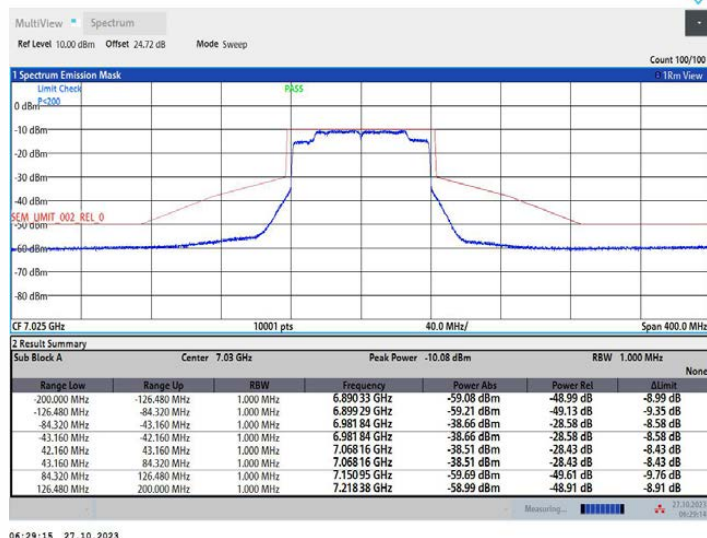
11AX80MIMO_Ant1_6945



11AX80MIMO_Ant2_6945



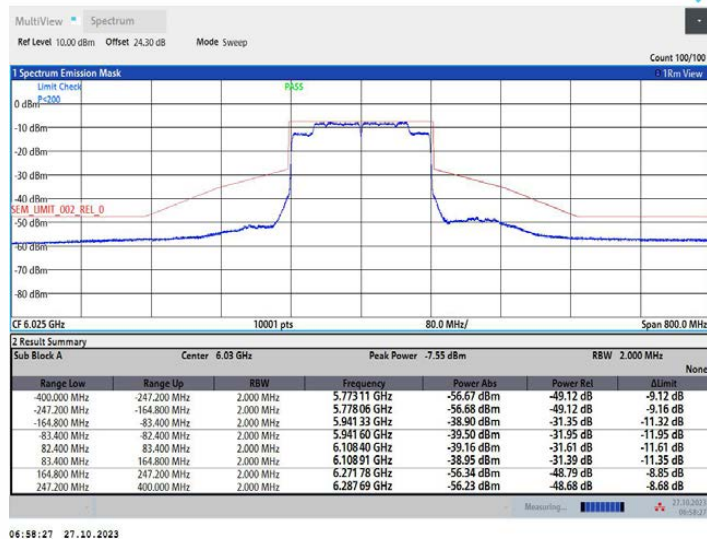
11AX80MIMO_Ant1_7025



11AX80MIMO_Ant2_7025



11AX160MIMO_Ant1_6025



11AX160MIMO_Ant2_6025



11AX160MIMO_Ant1_6185



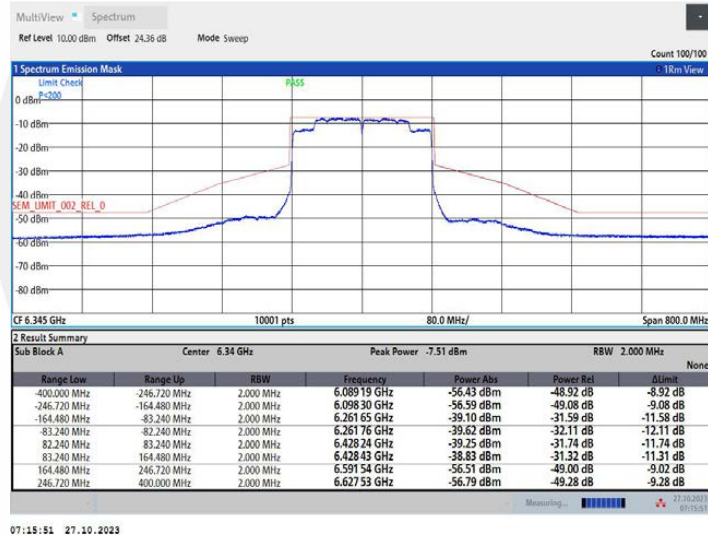
11AX160MIMO_Ant2_6185



11AX160MIMO_Ant1_6345



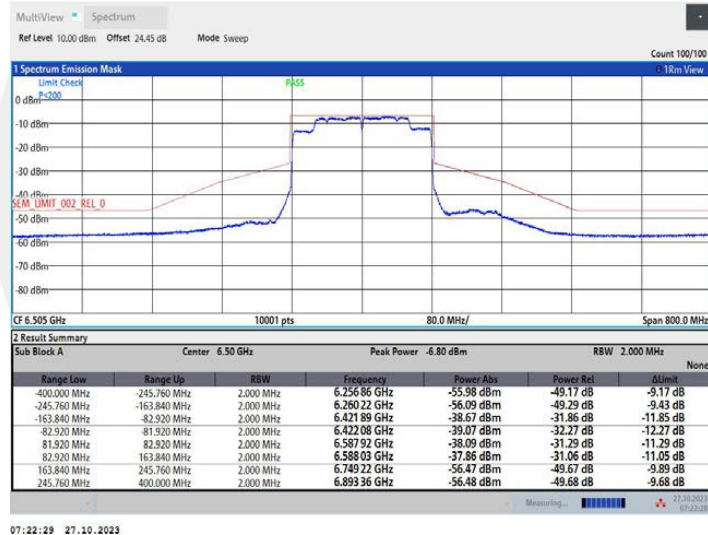
11AX160MIMO_Ant2_6345



11AX160MIMO_Ant1_6505



11AX160MIMO_Ant2_6505



11AX160MIMO_Ant1_6665



11AX160MIMO_Ant2_6665



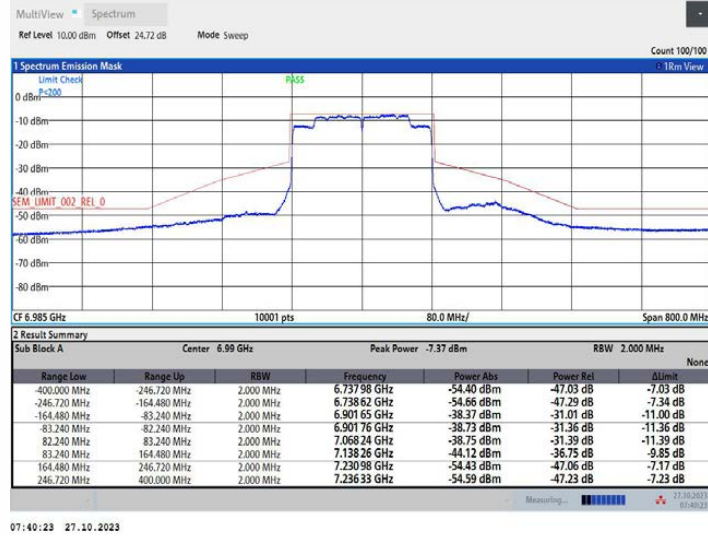
11AX160MIMO_Ant1_6825



11AX160MIMO_Ant2_6825



11AX160MIMO_Ant1_6985



11AX160MIMO_Ant2_6985



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 1 may fall within the incumbent's occupied bandwidth, or outside of it.

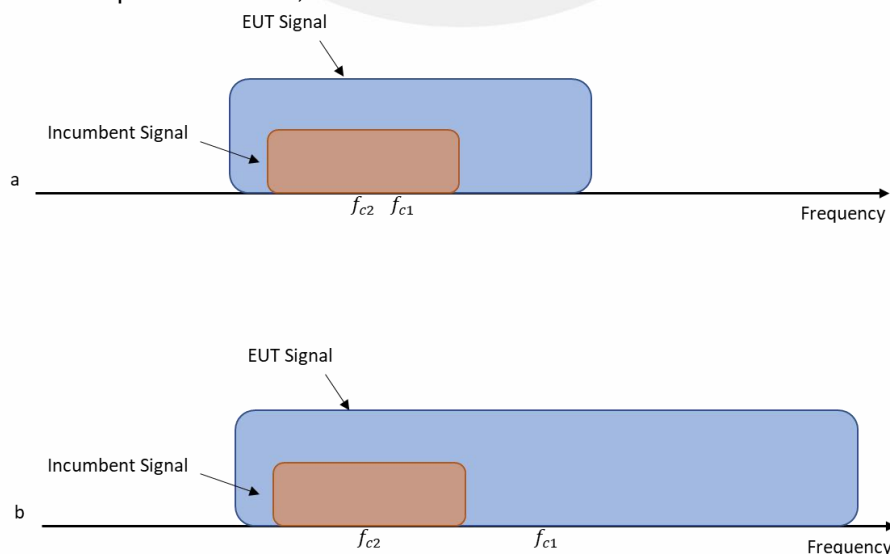


Figure. Two possible scenarios where a) center frequency of EUT transmission falls within

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 2) 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 (1= 2)
$BW_{Inc} \leq BW_{EUT} \leq 2BW_{Inc}$	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)

1: Center frequency of EUT transmission

2: 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.

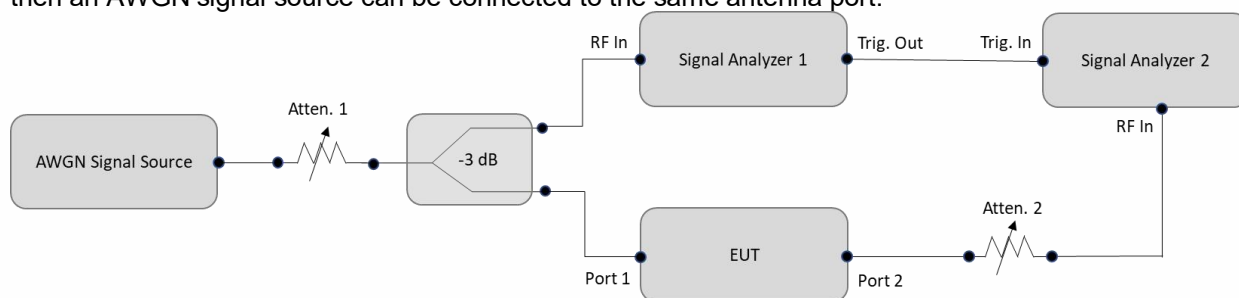


Figure. Contention-based protocol test setup, conducted method Step-by-Step Procedure, Conducted Setup

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 °C	ATM Pressure:	1011 mbar
Humidity :	60 %	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 [dB]	Detection Rate		Verdict
											Result [%]	Limit [%]	
11AX20	3.9	6535	Center	6535	Ceased	-59.53	0	-63.43	-62	1.43	100	90	PASS
11AX20	3.9	6535	Center	6535	Minimal	-60.51	0	-64.41	-62	---	20	---	---
11AX20	3.9	6535	Center	6535	Normal	-64.10	0	-68.00	-62	---	0	---	---
11AX20	3.9	5975	Center	5975	Ceased	-62.19	0	-66.09	-62	4.09	100	90	PASS
11AX20	3.9	5975	Center	5975	Minimal	-63.15	0	-67.05	-62	---	0	---	---
11AX20	3.9	5975	Center	5975	Normal	-66.10	0	-70.00	-62	---	0	---	---
11AX20	3.9	6455	Center	6455	Ceased	-58.49	0	-62.39	-62	0.39	100	90	PASS
11AX20	3.9	6455	Center	6455	Minimal	-60.44	0	-64.34	-62	---	0	---	---
11AX20	3.9	6455	Center	6455	Normal	-63.10	0	-67.00	-62	---	0	---	---
11AX20	3.9	6935	Center	6935	Ceased	-58.68	0	-62.58	-62	0.58	100	90	PASS
11AX20	3.9	6935	Center	6935	Minimal	-60.62	0	-64.52	-62	---	0	---	---
11AX20	3.9	6935	Center	6935	Normal	-65.10	0	-69.00	-62	---	0	---	---
11AX160	3.9	6025	Low	5950	Ceased	-59.68	0	-63.58	-62	1.58	100	90	PASS
11AX160	3.9	6025	Low	5950	Minimal	-60.65	0	-64.55	-62	---	0	---	---
11AX160	3.9	6025	Low	5950	Normal	-63.10	0	-67.00	-62	---	0	---	---
11AX160	3.9	6025	Center	6025	Ceased	-59.38	0	-63.28	-62	1.28	100	90	PASS
11AX160	3.9	6025	Center	6025	Minimal	-60.33	0	-64.23	-62	---	0	---	---
11AX160	3.9	6025	Center	6025	Normal	-64.10	0	-68.00	-62	---	0	---	---
11AX160	3.9	6025	High	6100	Ceased	-59.01	0	-62.91	-62	0.91	100	90	PASS
11AX160	3.9	6025	High	6100	Minimal	-60.38	0	-64.28	-62	---	0	---	---
11AX160	3.9	6025	High	6100	Normal	-64.10	0	-68.00	-62	---	0	---	---
11AX160	3.9	6505	Low	6430	Ceased	-59.60	0	-63.50	-62	1.5	100	90	PASS
11AX160	3.9	6505	Low	6430	Minimal	-60.57	0	-64.47	-62	---	0	---	---
11AX160	3.9	6505	Low	6430	Normal	-61.10	0	-65.00	-62	---	0	---	---
11AX160	3.9	6505	Center	6505	Ceased	-58.68	0	-62.58	-62	0.58	100	90	PASS
11AX160	3.9	6505	Center	6505	Minimal	-59.67	0	-63.57	-62	---	0	---	---
11AX160	3.9	6505	Center	6505	Normal	-64.10	0	-68.00	-62	---	0	---	---
11AX160	3.9	6505	High	6580	Ceased	-58.60	0	-62.50	-62	0.5	100	90	PASS
11AX160	3.9	6505	High	6580	Minimal	-59.73	0	-63.63	-62	---	---	---	---
11AX160	3.9	6505	High	6580	Normal	-60.10	0	-64.00	-62	---	0	---	---
11AX160	3.9	6665	Low	6590	Ceased	-59.14	0	-63.04	-62	1.04	100	90	PASS
11AX160	3.9	6665	Low	6590	Minimal	-60.32	0	-64.22	-62	---	0	---	---
11AX160	3.9	6665	Low	6590	Normal	-63.10	0	-67.00	-62	---	0	---	---
11AX160	3.9	6665	Center	6665	Ceased	-58.43	0	-62.33	-62	0.33	100	90	PASS
11AX160	3.9	6665	Center	6665	Minimal	-59.57	0	-63.47	-62	---	0	---	---
11AX160	3.9	6665	Center	6665	Normal	-62.10	0	-66.00	-62	---	0	---	---
11AX160	3.9	6665	High	6740	Ceased	-59.34	0	-63.24	-62	1.24	100	90	PASS
11AX160	3.9	6665	High	6740	Minimal	-58.36	0	-62.26	-62	---	0	---	---
11AX160	3.9	6665	High	6740	Normal	-60.10	0	-64.00	-62	---	0	---	---
11AX160	3.9	6985	Low	6910	Ceased	-61.07	0	-64.97	-62	2.97	100	90	PASS
11AX160	3.9	6985	Low	6910	Minimal	-62.02	0	-65.92	-62	---	---	---	---
11AX160	3.9	6985	Low	6910	Normal	-64.10	0	-68.00	-62	---	0	---	---
11AX160	3.9	6985	Center	6985	Ceased	-58.53	0	-62.43	-62	0.43	100	90	PASS
11AX160	3.9	6985	Center	6985	Minimal	-59.49	0	-63.39	-62	---	---	---	---
11AX160	3.9	6985	Center	6985	Normal	-63.10	0	-67.00	-62	---	0	---	---
11AX160	3.9	6985	High	7060	Ceased	-62.50	0	-66.40	-62	4.4	100	90	PASS
11AX160	3.9	6985	High	7060	Minimal	-63.44	0	-67.34	-62	---	---	---	---
11AX160	3.9	6985	High	7060	Normal	-64.10	0	-68.00	-62	---	0	---	---

Note 1: Margin = Detection Limit - Adjusted Power

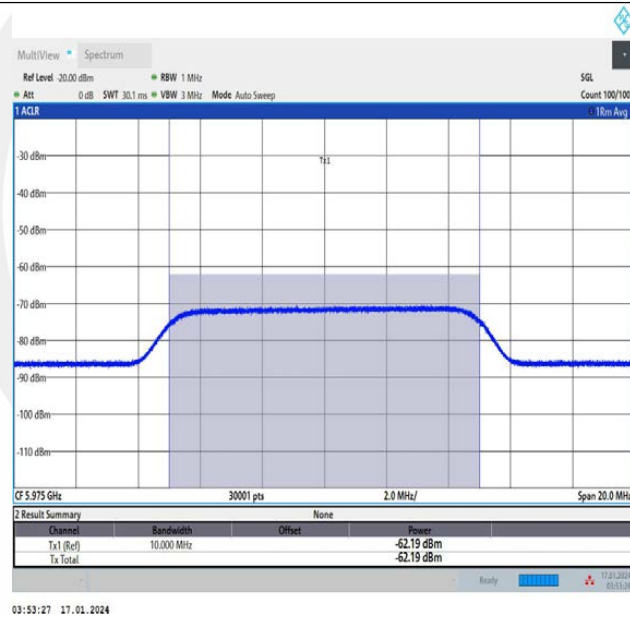
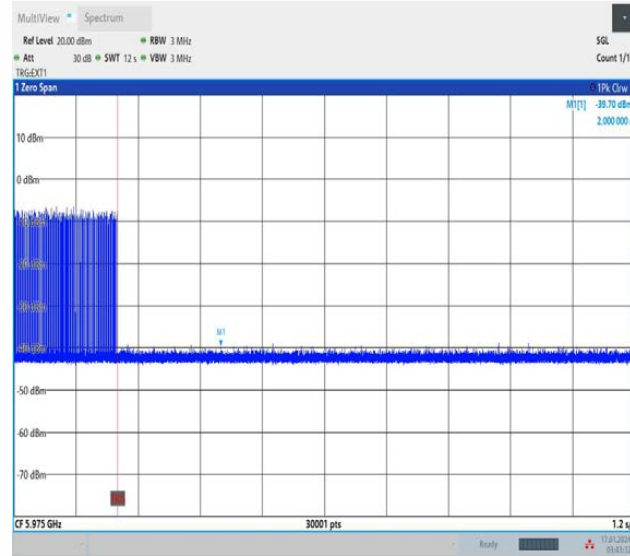
Note 2: Adjusted Power= Injected AWGN Power - Antenna Gain + Path Loss

Note 3: The device does not use channel puncturing and bandwidth reduction for the purpose of incumbent avoidance.

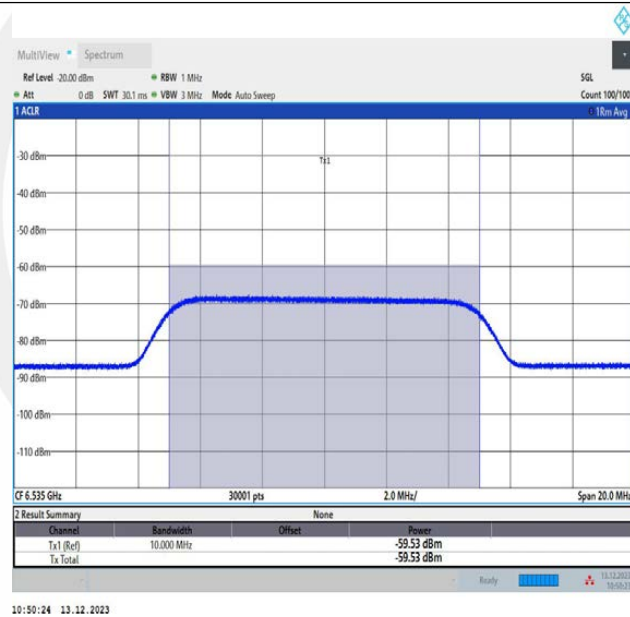
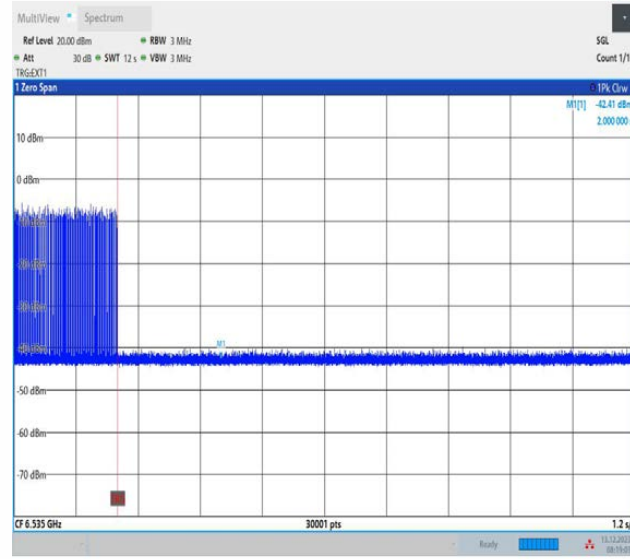
Test Mode	Antenna Gain [dBi]	Channel	Interference Frequency [MHz]	Injected (AWGN) Power [dBm]	EUT Tx Status	1	2	3	4	5	6	7	8	9	10	Detection Probability [%]	Limit [%]	Verdict
11AX20	3.9	5975	Center	5975	-63.43	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX20	3.9	5975	Center	5975	-64.41	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX20	3.9	5975	Center	5975	-68.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX20	3.9	6535	Center	6535	-66.09	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX20	3.9	6535	Center	6535	-67.05	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX20	3.9	6535	Center	6535	-70.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX20	3.9	6455	Center	6455	-62.39	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX20	3.9	6455	Center	6455	-64.34	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX20	3.9	6455	Center	6455	-67.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX20	3.9	6935	Center	6935	-62.58	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX20	3.9	6935	Center	6935	-64.52	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX20	3.9	6935	Center	6935	-69.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6025	Low	5950	-63.58	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX160	3.9	6025	Low	5950	-64.55	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6025	Low	5950	-67.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6025	Center	6025	-63.28	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX160	3.9	6025	Center	6025	-64.23	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6025	Center	6025	-68.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6025	High	6100	-62.91	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX160	3.9	6025	High	6100	-64.28	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6025	High	6100	-68.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6505	Low	6430	-63.50	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX160	3.9	6505	Low	6430	-64.47	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6505	Low	6430	-65.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6505	Center	6505	-62.58	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX160	3.9	6505	Center	6505	-63.57	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6505	Center	6505	-68.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6505	High	6580	-62.50	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX160	3.9	6505	High	6580	-63.63	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6505	High	6580	-64.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6665	Low	6590	-63.04	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX160	3.9	6665	Low	6590	-64.22	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6665	Low	6590	-67.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6665	Center	6665	-62.33	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX160	3.9	6665	Center	6665	-63.47	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6665	Center	6665	-66.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6665	High	6740	-63.24	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX160	3.9	6665	High	6740	-62.26	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6665	High	6740	-64.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6985	Low	6910	-64.97	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX160	3.9	6985	Low	6910	-65.92	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6985	Low	6910	-68.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6985	Center	6985	-62.43	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX160	3.9	6985	Center	6985	-63.39	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6985	Center	6985	-67.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6985	High	7060	-66.40	Ceased	√	√	√	√	√	√	√	√	√	100	90	PASS
11AX160	3.9	6985	High	7060	-67.34	Minimal	-	-	-	-	-	-	-	-	-	0	-	-
11AX160	3.9	6985	High	7060	-68.00	Normal	-	-	-	-	-	-	-	-	-	0	-	-

Note 1: CBP Detection Trials (√=Detection, ×=No Detection).

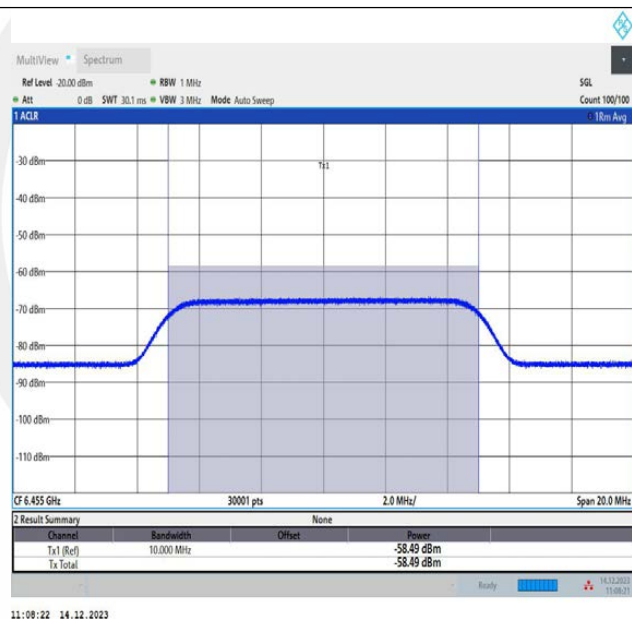
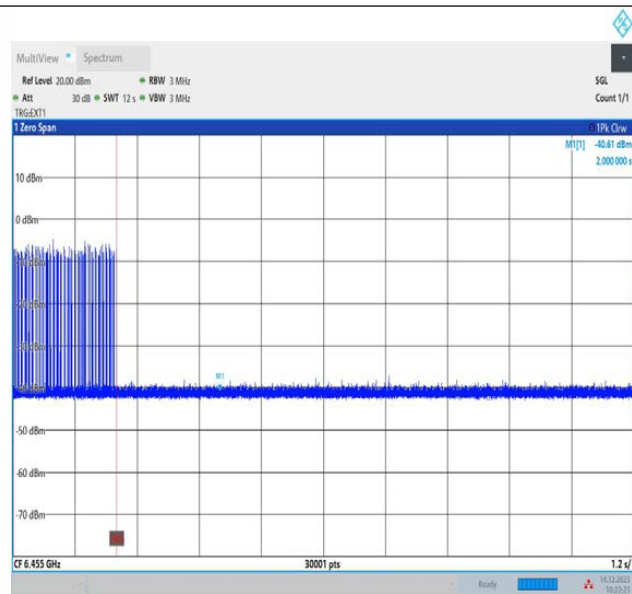
Note 2: The device does not use channel puncturing and bandwidth reduction for the purpose of incumbent avoidance.



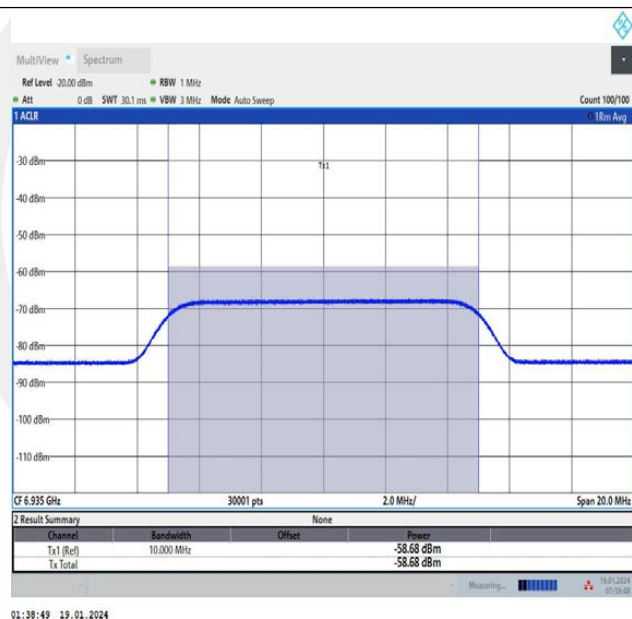
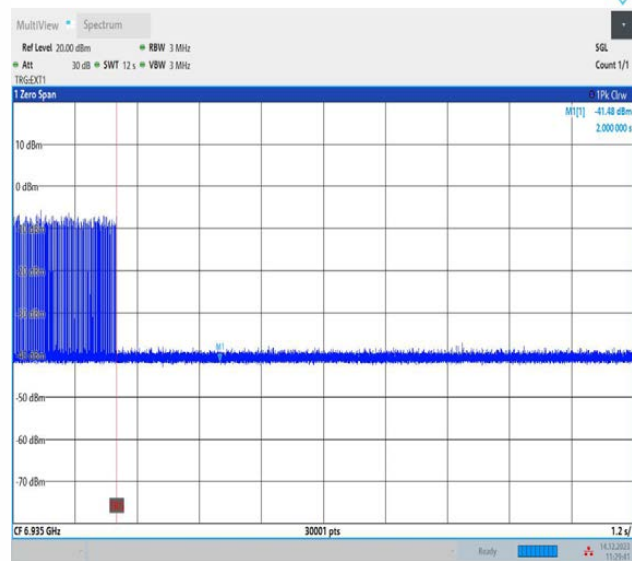
11AX20-Ant2-5975-Center-5975-OFF-PASS



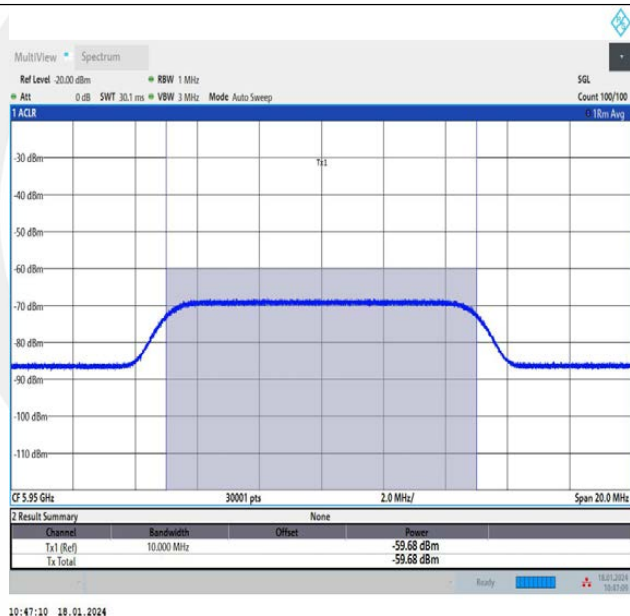
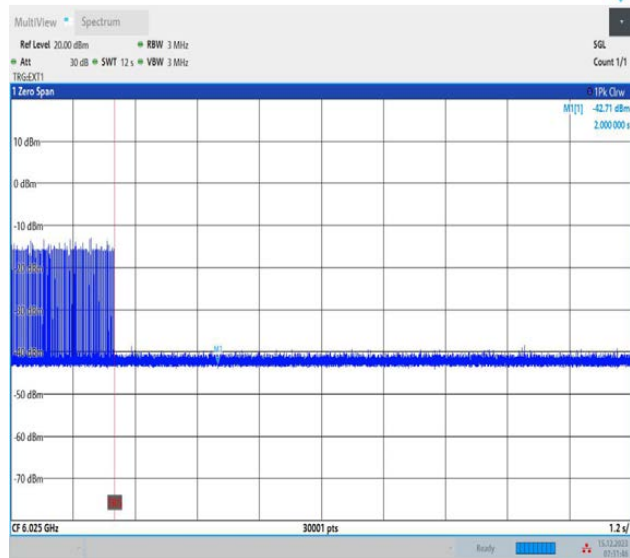
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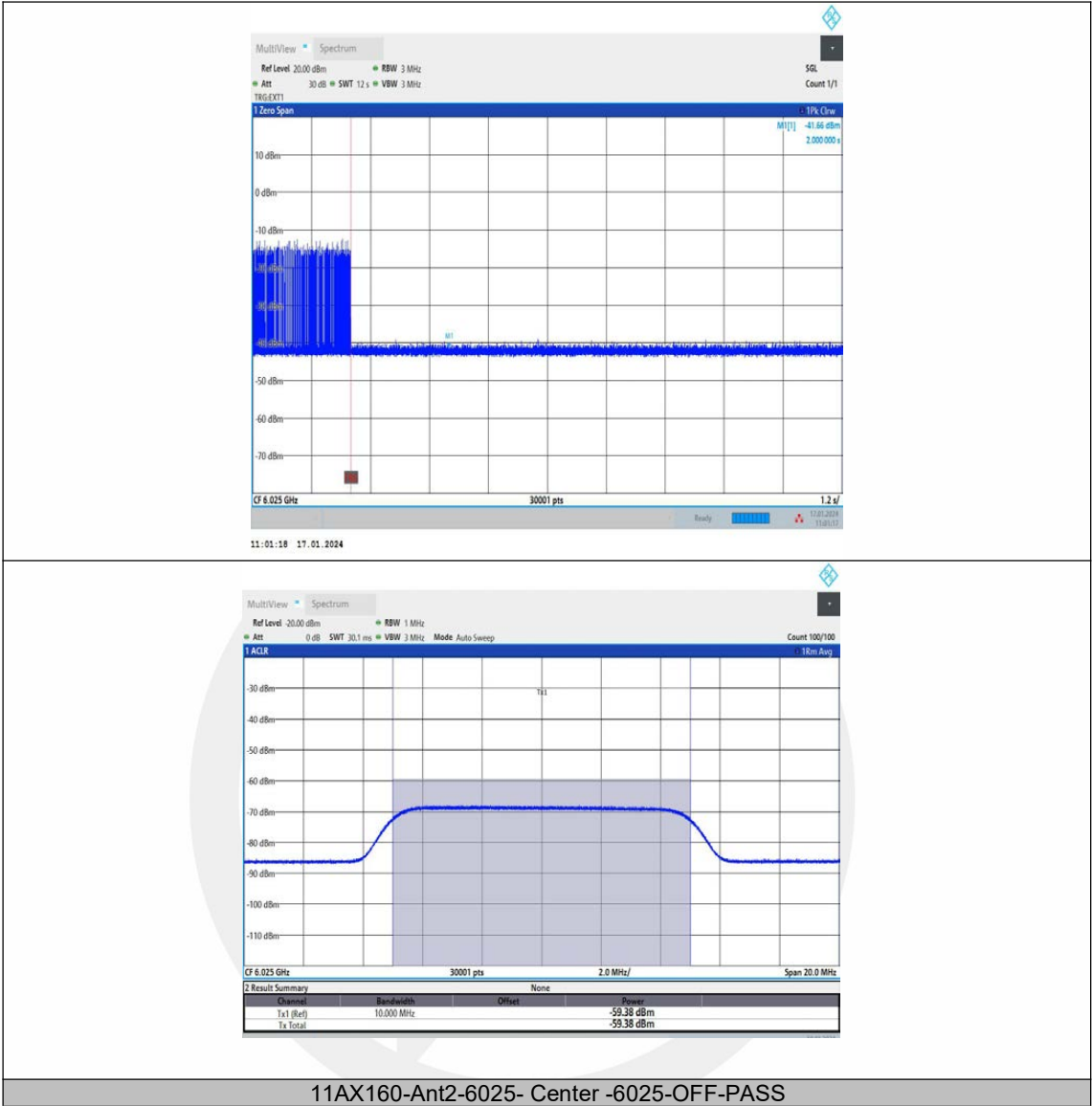
11AX20-Ant2-6455-Center-6455-OFF-PASS

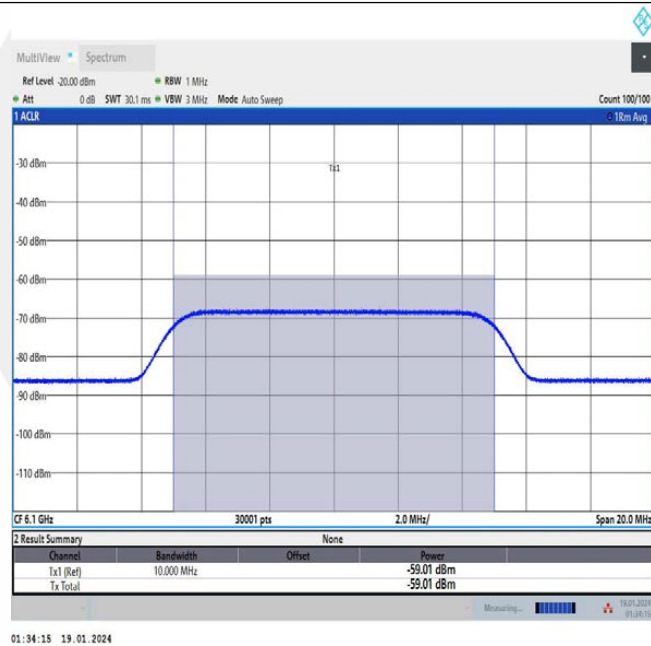
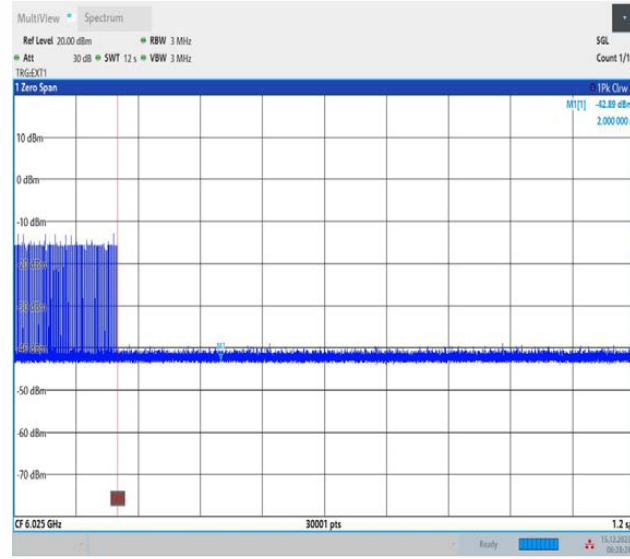


11AX20-Ant2-6935-Center-6935-OFF-PASS

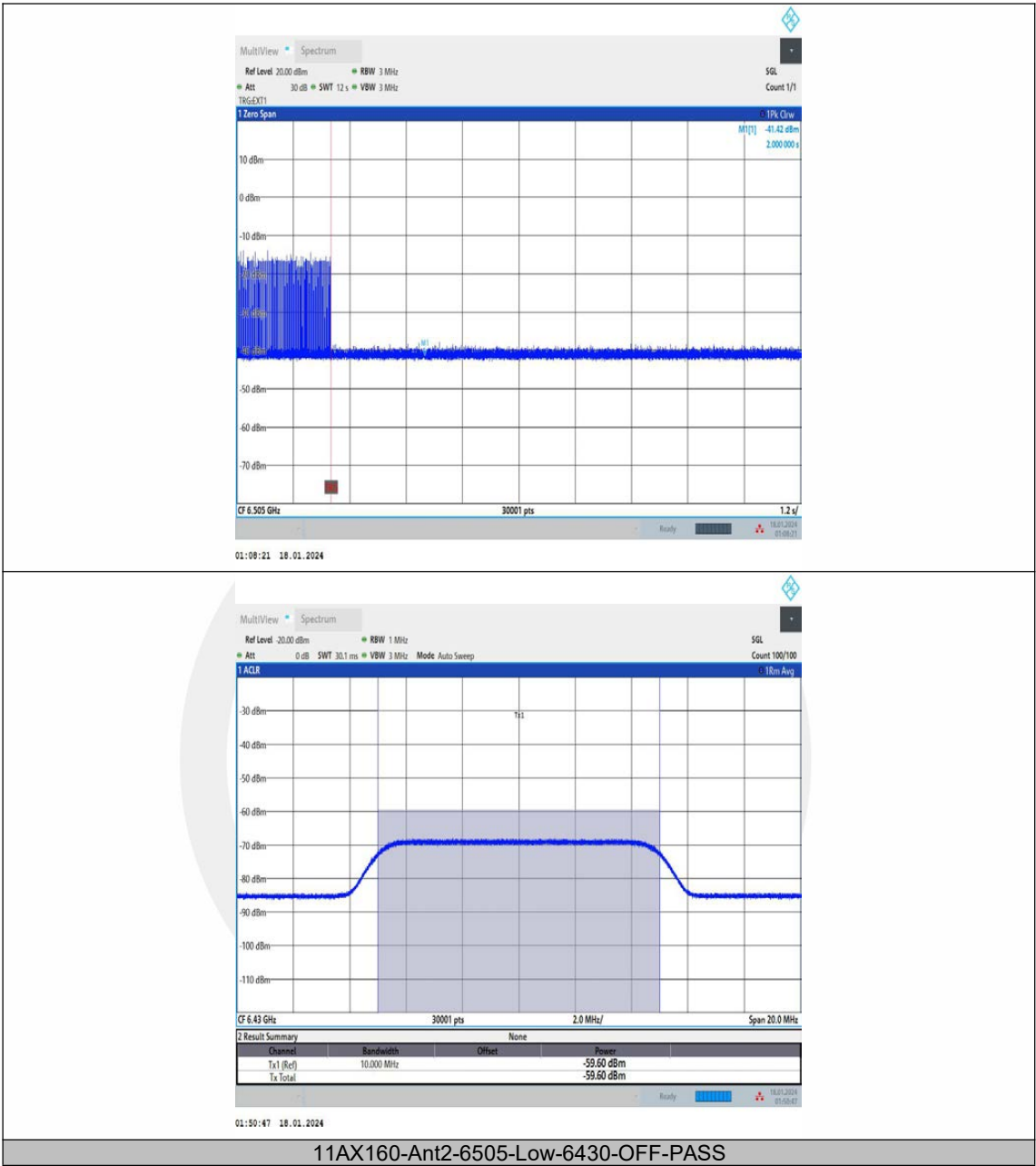


11AX160-Ant2-6025-Low-5950-OFF-PASS

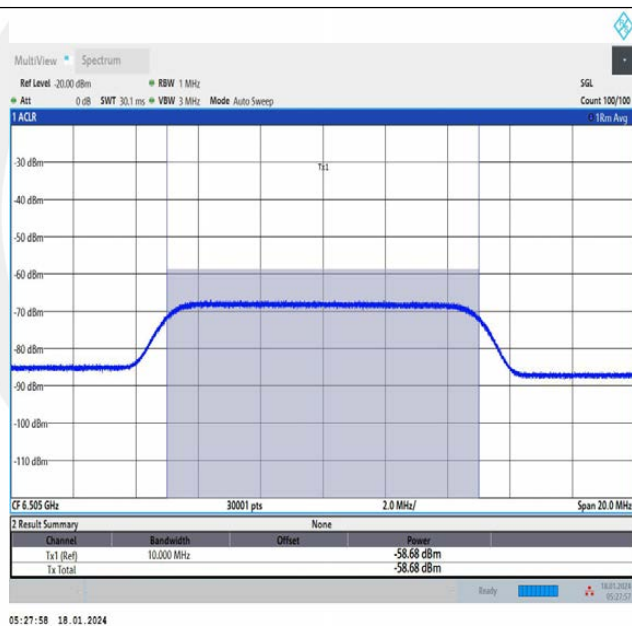
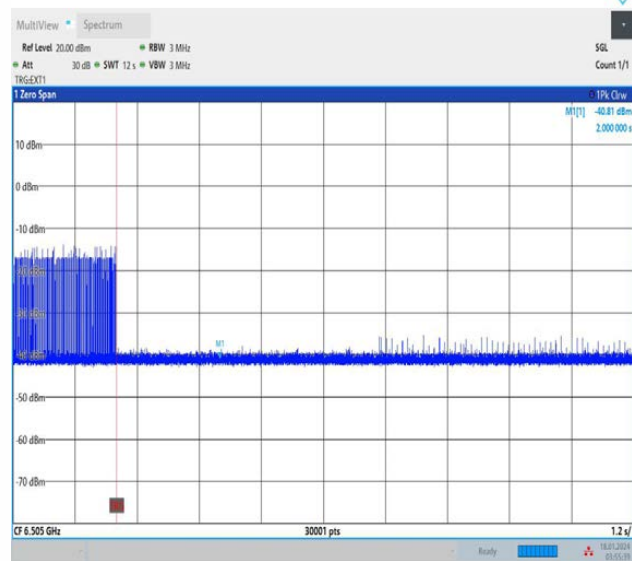




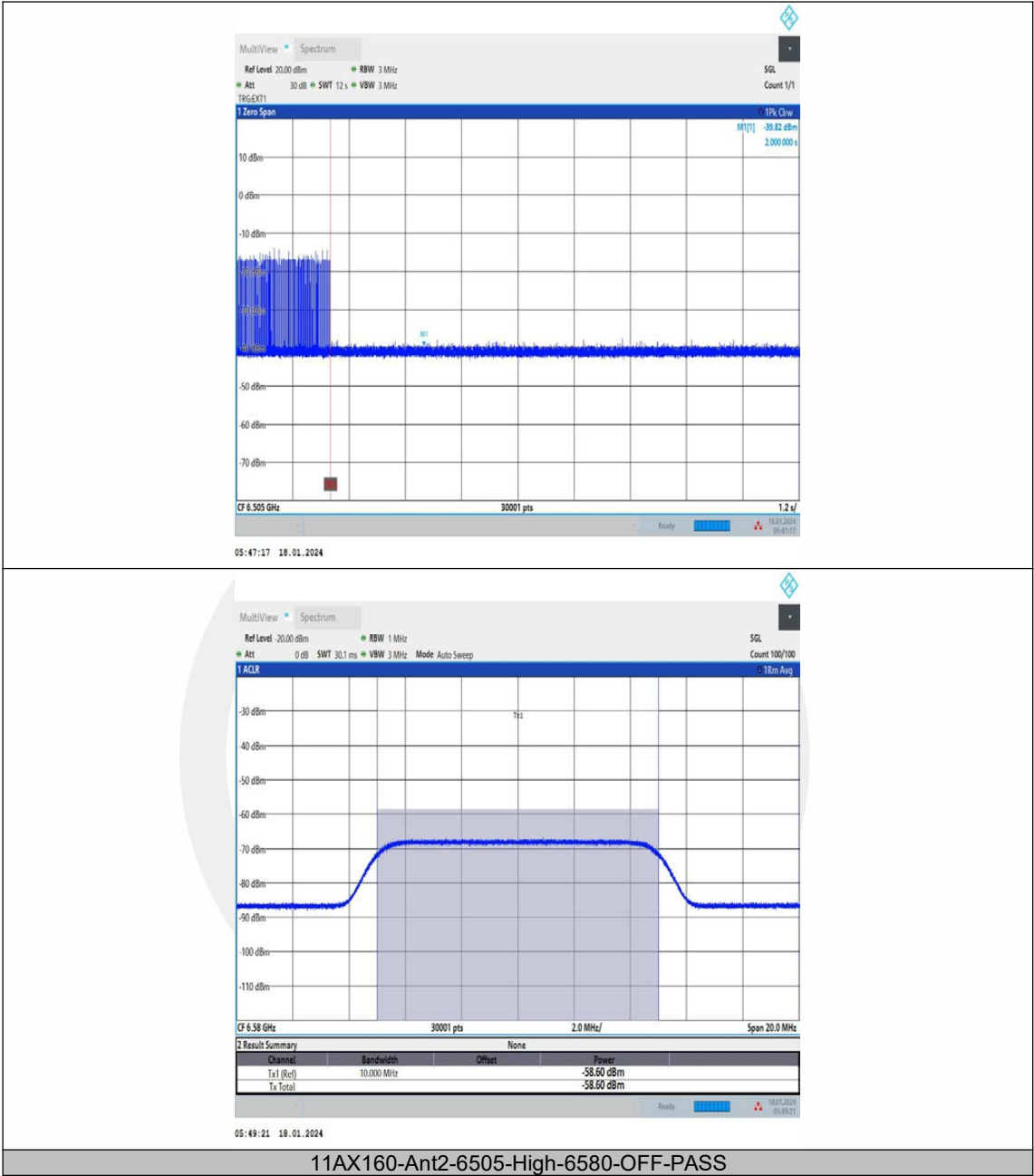
11AX160-Ant2-6025- High -6100- OFF-PASS



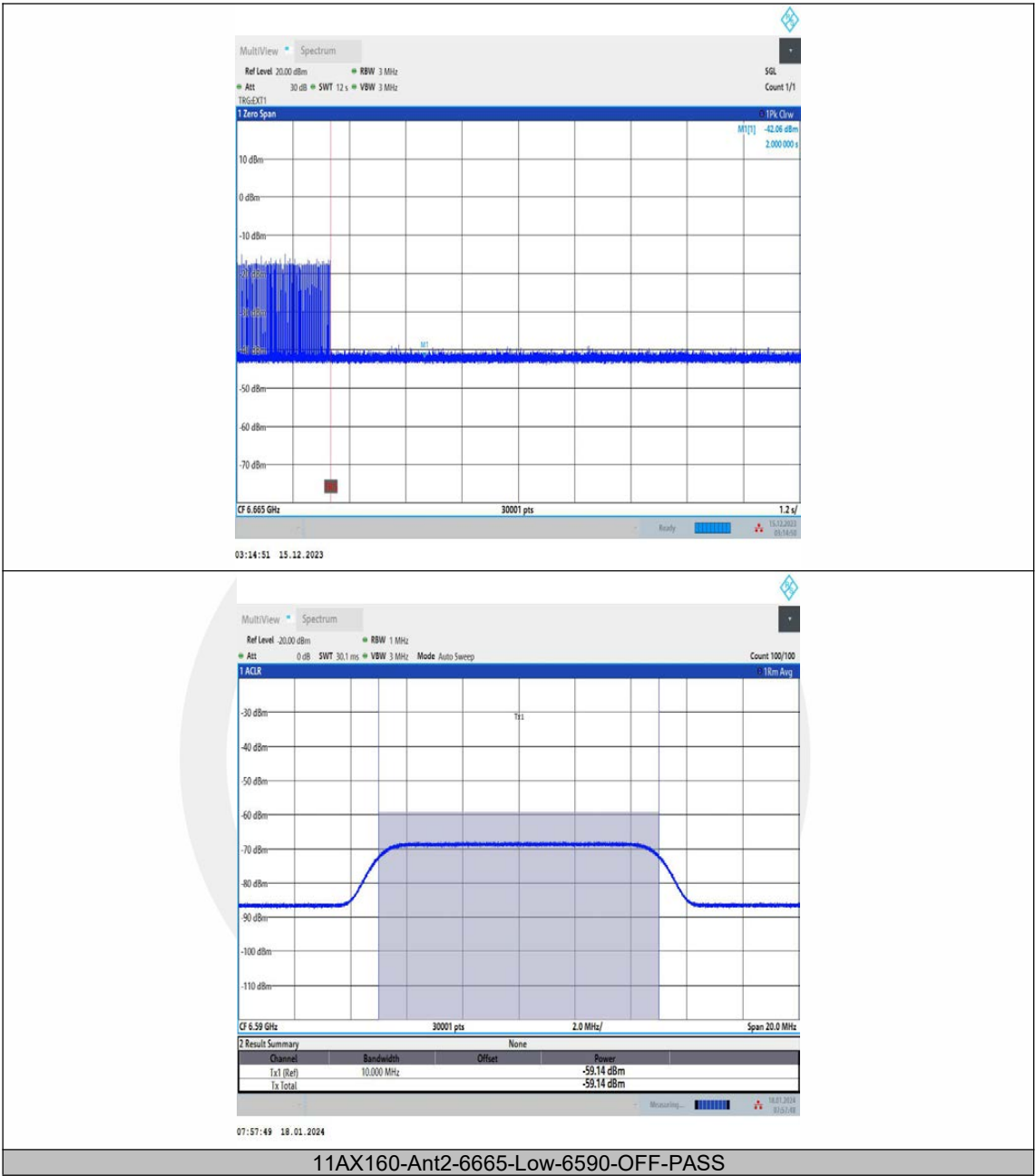
11AX160-Ant2-6505-Low-6430-OFF-PASS

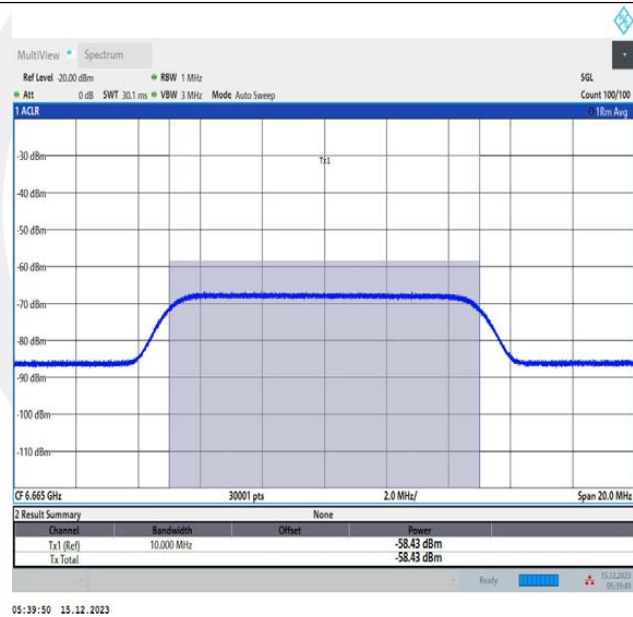
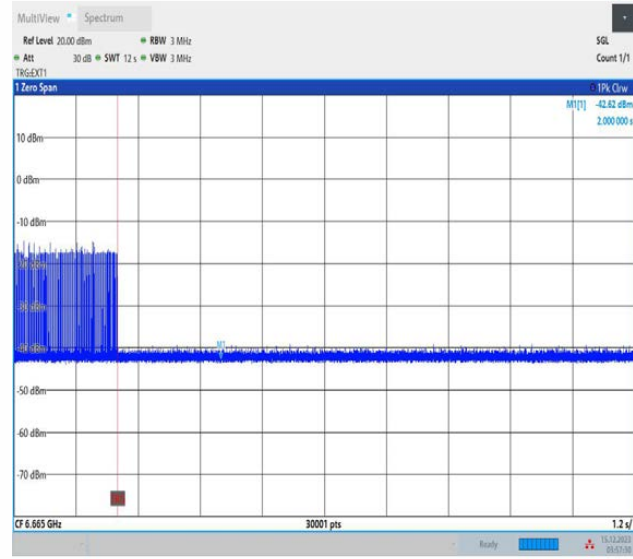


11AX160-Ant2-6505-Center-6505-OFF-PASS

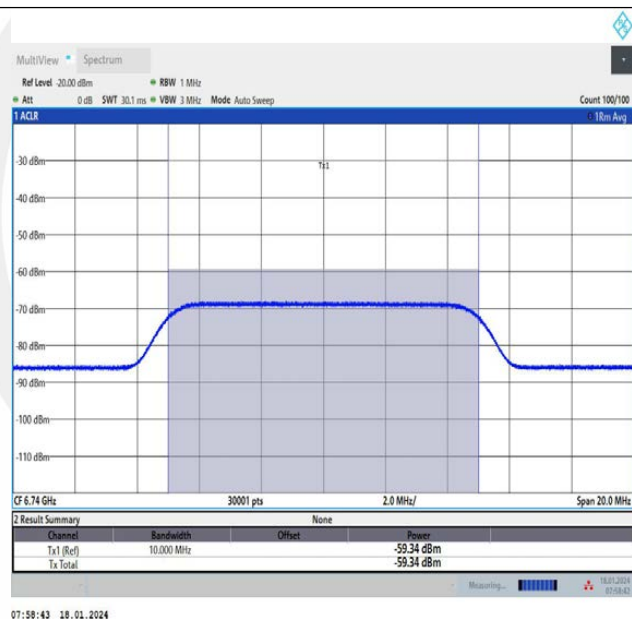
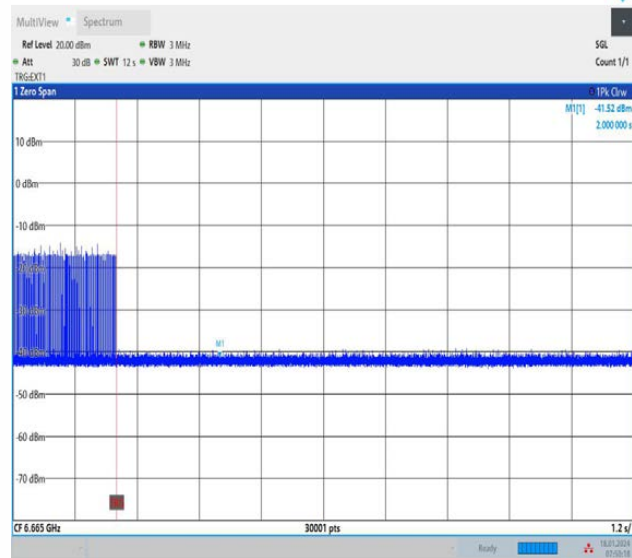


11AX160-Ant2-6505-High-6580-OFF-PASS

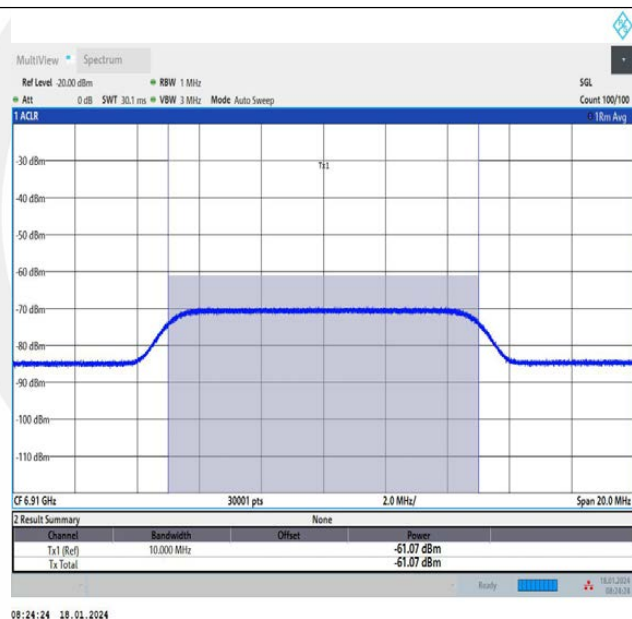
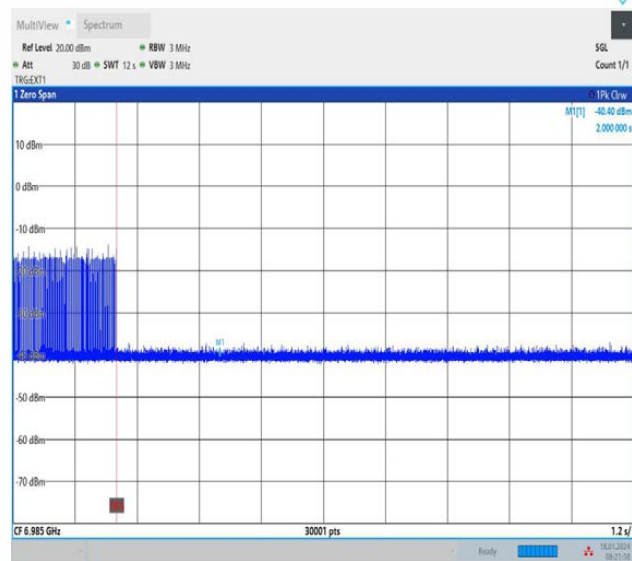




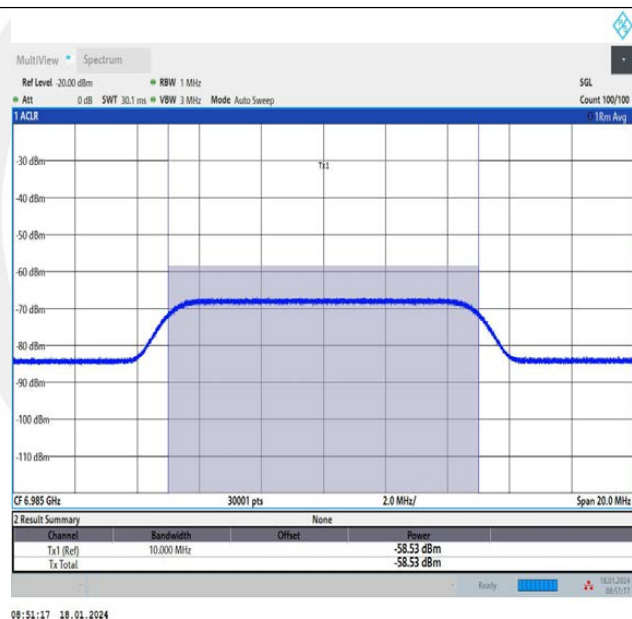
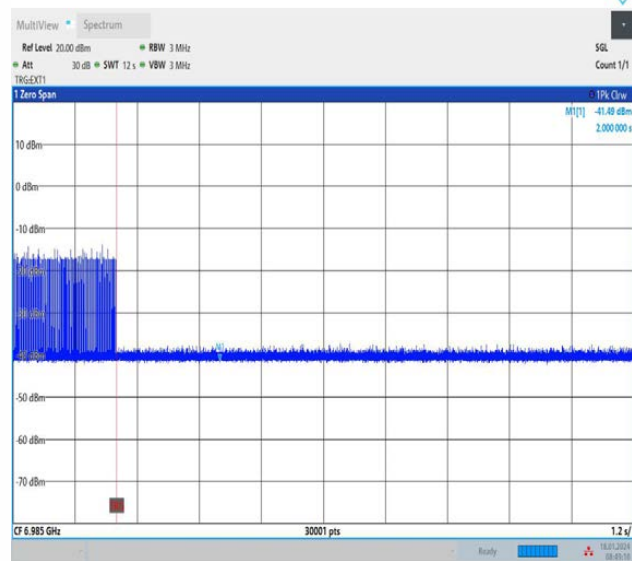
11AX160-Ant2-6665-Center-6665-OFF-PASS



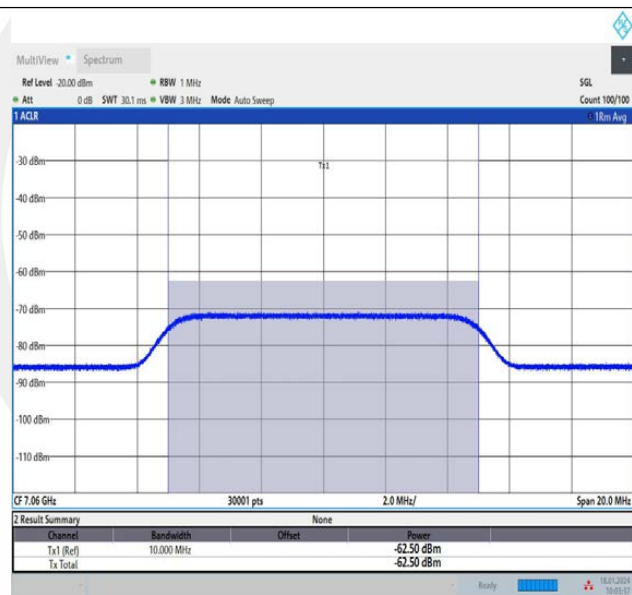
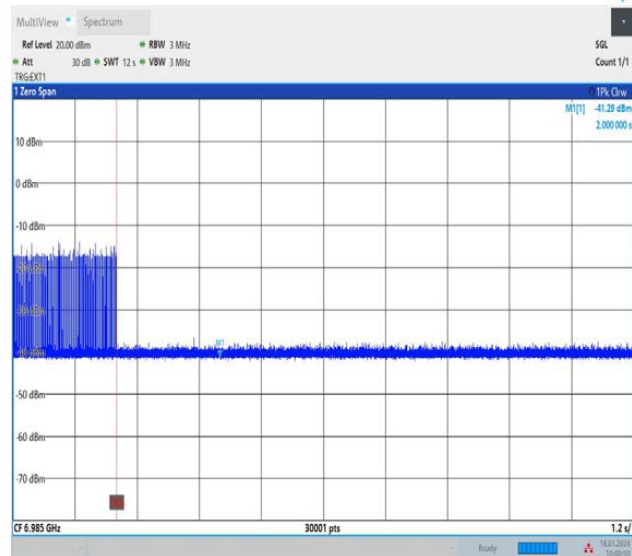
11AX160-Ant2-6665-High-6740-OFF-PASS



11AX160-Ant2-6985-Low-6910-OFF-PASS



11AX160-Ant2-6985-Center-6985-OFF-PASS



11AX160-Ant2-6985-High-7060-OFF-PASS

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 $f < 150$ KHz(9KHz to 150KHz), 9KHz for $f < 30$ MHz(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 $\geq$ 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 $\geq$ 3 MHz.

Detector = power averaging (rms), if $\text{span}/(\# \text{ of points in sweep}) \leq \text{RBW}/2$. 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 :	60 %	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: 802.11n(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	11519.7	60.75	3.66	74.00	13.25	PK	Vertical	100
2	14623.8	64.17	9.24	74.00	9.83	PK	Vertical	120
3	17498.2	70.21	12.79	74.00	3.79	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	11519.75	46.86	54.00	7.14	AV	Vertical	105
2	14623.81	46.57	54.00	7.43	AV	Vertical	129
3	17498.24	46.94	54.00	7.06	AV	Vertical	170

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	11536.7	61.21	3.57	74.00	12.79	PK	Horizontal	105
2	14589.7	63.52	9.57	74.00	10.48	PK	Horizontal	129
3	17489.7	68.65	12.41	74.00	5.35	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	11536.76	46.90	54.00	7.10	AV	Horizontal	105
2	14589.79	46.77	54.00	7.23	AV	Horizontal	150
3	17489.74	46.64	54.00	7.36	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: 802.11n(20)

Frequency(MHz): 6175

Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Antenna Height (cm)
1	11519.7	61.05	3.66	74.00	12.95	PK	Vertical	109
2	14555.7	63.61	9.11	74.00	10.39	PK	Vertical	129
3	17489.7	68.56	12.41	74.00	5.44	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	11519.75	46.86	54.00	7.14	AV	Vertical	105
2	14555.77	46.44	54.00	7.56	AV	Vertical	159
3	17489.74	46.64	54.00	7.36	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	11562.2	61.11	3.45	74.00	12.89	PK	Horizontal	120
2	14717.3	63.51	7.73	74.00	10.49	PK	Horizontal	155
3	17523.7	69.51	12.17	74.00	4.49	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	11562.28	46.68	54.00	7.32	AV	Horizontal	119
2	14717.35	45.06	54.00	8.94	AV	Horizontal	129
3	17523.76	46.38	54.00	7.62	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: 802.11n(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	11562.2	60.84	3.45	74.00	13.16	PK	Vertical	110
2	14861.9	63.49	7.46	74.00	10.51	PK	Vertical	129
3	17498.2	69.04	12.79	74.00	4.96	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	11562.28	46.77	54.00	7.23	AV	Vertical	117
2	14861.93	44.57	54.00	9.43	AV	Vertical	129
3	17498.24	47.02	54.00	6.98	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	10652.3	59.68	3.39	74.00	14.32	PK	Horizontal	119
2	14564.2	63.54	9.23	74.00	10.46	PK	Horizontal	129
3	17515.2	68.69	12.43	74.00	5.31	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	10652.32	46.59	54.00	7.41	AV	Horizontal	112
2	14564.28	46.56	54.00	7.44	AV	Horizontal	130
3	17515.25	46.66	54.00	7.34	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: 802.11n(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	11485.7	61.29	3.62	74.00	12.71	PK	Vertical	135
2	14513.2	64.15	8.55	74.00	9.85	PK	Vertical	201
3	17506.7	68.38	12.67	74.00	5.62	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	11485.74	46.73	54.00	7.27	AV	Vertical	138
2	14513.25	46.43	54.00	7.57	AV	Vertical	205
3	17506.75	47.19	54.00	6.81	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	10133.5	60.03	1.78	74.00	13.97	PK	Horizontal	130
2	14632.3	64.02	9.08	74.00	9.98	PK	Horizontal	190
3	17498.2	68.41	12.79	74.00	5.59	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	10133.56	45.21	54.00	8.79	AV	Horizontal	141
2	14632.31	46.45	54.00	7.55	AV	Horizontal	199
3	17498.24	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: 802.11n(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	11545.2	60.42	3.53	74.00	13.58	PK	Vertical	145
2	14581.2	62.89	9.46	74.00	11.11	PK	Vertical	180
3	17515.2	67.84	12.43	74.00	6.16	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	11545.27	46.75	54.00	7.25	AV	Vertical	150
2	14581.29	46.56	54.00	7.44	AV	Vertical	185
3	17515.25	47.31	54.00	6.69	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	11375.1	60.74	3.00	74.00	13.26	PK	Horizontal	148
2	14632.3	63.33	9.08	74.00	10.67	PK	Horizontal	191
3	17498.2	68.12	12.79	74.00	5.88	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	11375.18	46.11	54.00	7.89	AV	Horizontal	151
2	14632.31	46.31	54.00	7.69	AV	Horizontal	185
3	17498.24	46.90	54.00	7.10	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: 802.11n(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	11519.7	60.51	3.66	74.00	13.49	PK	Vertical	130
2	14504.7	63.14	8.43	74.00	10.86	PK	Vertical	178
3	17498.2	68.30	12.79	74.00	5.70	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	11519.75	47.31	54.00	6.69	AV	Vertical	139
2	14504.75	46.41	54.00	7.59	AV	Vertical	180
3	17498.24	46.89	54.00	7.11	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	11528.2	60.42	3.61	74.00	13.58	PK	Horizontal	139
2	14555.7	63.43	9.11	74.00	10.57	PK	Horizontal	180
3	17498.2	67.86	12.79	74.00	6.14	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	11528.26	46.84	54.00	7.16	AV	Horizontal	136
2	14555.77	46.21	54.00	7.79	AV	Horizontal	183
3	17498.24	47.02	54.00	6.98	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: 802.11n(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	11477.2	60.01	3.55	74.00	13.99	PK	Vertical	139
2	14530.2	63.63	8.78	74.00	10.37	PK	Vertical	110
3	17506.7	70.27	12.67	74.00	3.73	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	11477.23	46.78	54.00	7.22	AV	Vertical	128
2	14530.26	45.89	54.00	8.11	AV	Vertical	118
3	17506.75	46.90	54.00	7.10	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	11528.2	60.39	3.61	74.00	13.61	PK	Horizontal	130
2	14725.8	63.47	7.73	74.00	10.53	PK	Horizontal	110
3	17506.7	67.94	12.67	74.00	6.06	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	11528.26	46.81	54.00	7.19	AV	Horizontal	141
2	14725.86	44.84	54.00	9.16	AV	Horizontal	128
3	17506.75	46.90	54.00	7.10	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: 802.11n(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	11630.3	60.02	3.16	74.00	13.98	PK	Vertical	140
2	14691.8	63.08	7.91	74.00	10.92	PK	Vertical	119
3	17498.2	67.94	12.79	74.00	6.06	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	11630.31	46.36	54.00	7.64	AV	Vertical	145
2	14691.84	45.02	54.00	8.98	AV	Vertical	116
3	17498.24	46.99	54.00	7.01	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	11545.2	59.91	3.53	74.00	14.09	PK	Horizontal	133
2	14912.9	63.12	7.15	74.00	10.88	PK	Horizontal	110
3	17506.7	68.02	12.67	74.00	5.98	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	11545.27	46.54	54.00	7.46	AV	Horizontal	140
2	14912.95	44.25	54.00	9.75	AV	Horizontal	115
3	17506.75	47.52	54.00	6.48	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: 802.11n(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	10669.3	60.16	3.75	74.00	13.84	PK	Vertical	122
2	14589.7	64.25	9.57	74.00	9.75	PK	Vertical	130
3	17515.2	68.58	12.43	74.00	5.42	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	10669.33	46.92	54.00	7.08	AV	Vertical	120
2	14589.79	47.09	54.00	6.91	AV	Vertical	138
3	17515.25	46.66	54.00	7.34	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	11587.7	61.21	3.32	74.00	12.79	PK	Horizontal	120
2	14725.8	63.60	7.73	74.00	10.40	PK	Horizontal	138
3	17498.2	68.18	12.79	74.00	5.82	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	11587.79	46.75	54.00	7.25	AV	Horizontal	128
2	14725.86	44.83	54.00	9.17	AV	Horizontal	150
3	17498.24	47.51	54.00	6.49	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: 802.11n(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	11494.2	60.20	3.69	74.00	13.80	PK	Vertical	151
2	14861.9	63.48	7.46	74.00	10.52	PK	Vertical	136
3	17481.2	67.57	12.02	74.00	6.43	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	11494.24	47.54	54.00	6.46	AV	Vertical	160
2	14861.93	44.69	54.00	9.31	AV	Vertical	150
3	17481.24	46.13	54.00	7.87	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	11536.7	60.38	3.57	74.00	13.62	PK	Horizontal	167
2	14768.3	63.57	7.67	74.00	10.43	PK	Horizontal	150
3	17506.7	69.17	12.67	74.00	4.83	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	11536.76	47.42	54.00	6.58	AV	Horizontal	160
2	14768.38	44.78	54.00	9.22	AV	Horizontal	155
3	17506.75	46.90	54.00	7.10	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: 802.11n(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	11630.3	60.03	3.16	74.00	13.97	PK	Vertical	166
2	14606.8	63.55	9.58	74.00	10.45	PK	Vertical	131
3	17506.7	68.56	12.67	74.00	5.44	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	11630.31	46.39	54.00	7.61	AV	Vertical	155
2	14606.80	46.80	54.00	7.20	AV	Vertical	129
3	17506.75	46.78	54.00	7.22	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	11494.2	60.92	3.69	74.00	13.08	PK	Horizontal	169
2	14810.9	64.35	7.61	74.00	9.65	PK	Horizontal	130
3	17498.2	68.73	12.79	74.00	5.27	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	11494.24	46.79	54.00	7.21	AV	Horizontal	156
2	14810.90	45.13	54.00	8.87	AV	Horizontal	135
3	17498.24	46.96	54.00	7.04	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: 802.11n(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	11536.7	60.58	3.57	74.00	13.42	PK	Vertical	148
2	14343.1	63.45	7.92	74.00	10.55	PK	Vertical	137
3	17498.2	68.39	12.79	74.00	5.61	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	11536.76	46.85	54.00	7.15	AV	Vertical	146
2	14343.17	45.23	54.00	8.77	AV	Vertical	130
3	17498.24	47.01	54.00	6.99	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	11528.2	60.36	3.61	74.00	13.64	PK	Horizontal	140
2	14589.7	63.55	9.57	74.00	10.45	PK	Horizontal	120
3	17506.7	68.47	12.67	74.00	5.53	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	11528.26	46.84	54.00	7.16	AV	Horizontal	150
2	14589.79	46.79	54.00	7.21	AV	Horizontal	120
3	17506.75	46.77	54.00	7.23	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: 802.11n(20) Frequency(MHz): 5955

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5910.2	54.14	37.85	68.20	14.06	PK	Vertical
2	7164.9475	57.27	42.22	68.20	10.93	PK	Vertical
1	5900.0825	53.56	37.81	68.20	14.64	PK	Horizontal
2	7158.38	57.98	42.18	68.20	10.22	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: 802.11n(20) Frequency(MHz): 6415

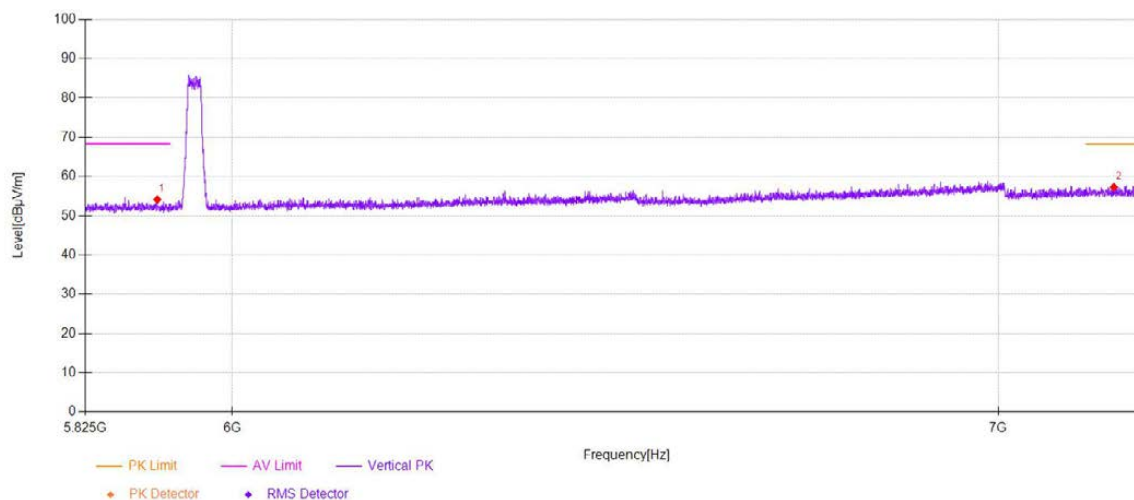
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5893.6925	54.00	37.81	68.20	14.20	PK	Vertical
2	7133.3525	57.53	42.07	68.20	10.67	PK	Vertical
1	5868.4875	53.90	37.80	68.20	14.30	PK	Horizontal
2	7159.8	58.00	42.19	68.20	10.20	PK	Horizontal
Note: (1) Peak RBW = 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: 802.11n(20)

Frequency(MHz): 5955

Ant.Pol: V

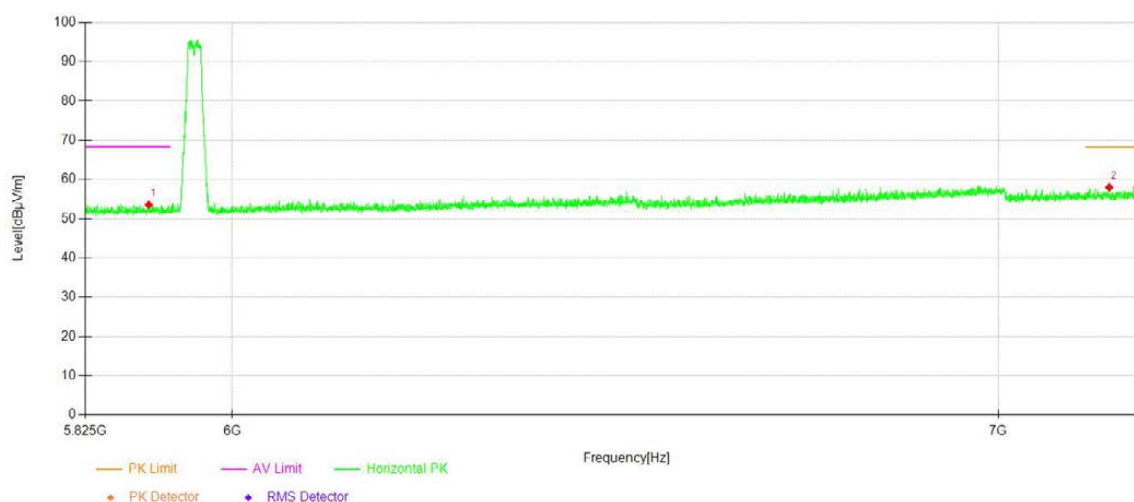


U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11n(20)

Frequency(MHz): 5955

Ant.Pol: H

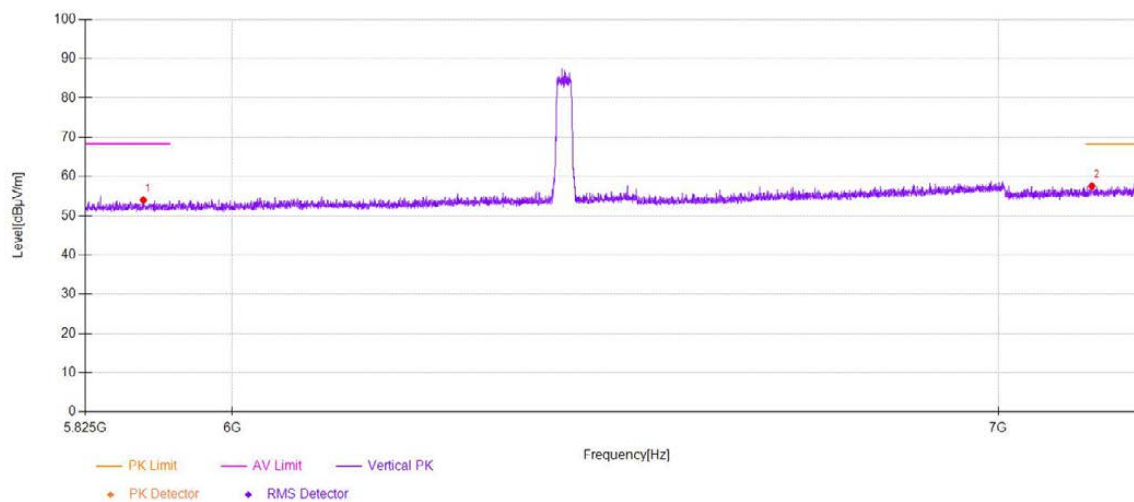


U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6415

Ant.Pol: V

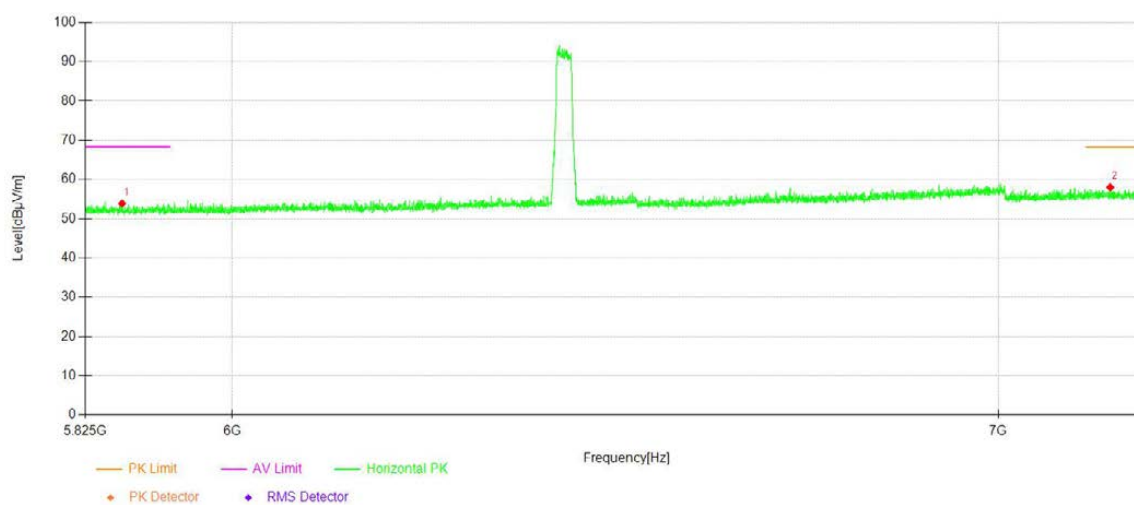


U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11n(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: 802.11n(20) **Frequency(MHz):** 6435

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5897.5975	54.60	37.81	68.20	13.60	PK	Vertical
2	7169.74	58.37	42.23	68.20	9.83	PK	Vertical
1	5910.0225	54.96	37.85	68.20	13.24	PK	Horizontal
2	7171.6925	57.92	42.25	68.20	10.28	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: 802.11n(20) **Frequency(MHz):** 6515

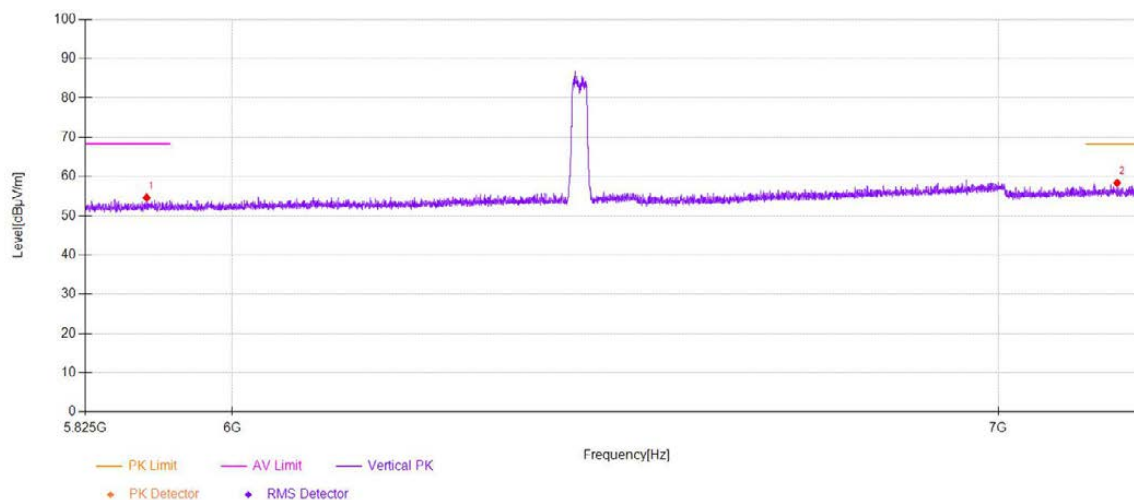
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5905.23	54.24	37.83	68.20	13.96	PK	Vertical
2	7144.0025	57.65	42.11	68.20	10.55	PK	Vertical
1	5897.5975	54.48	37.81	68.20	13.72	PK	Horizontal
2	7146.8425	57.60	42.13	68.20	10.60	PK	Horizontal
Note: (1) Peak RBW = 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: 802.11n(20)

Frequency(MHz): 6435

Ant.Pol: V

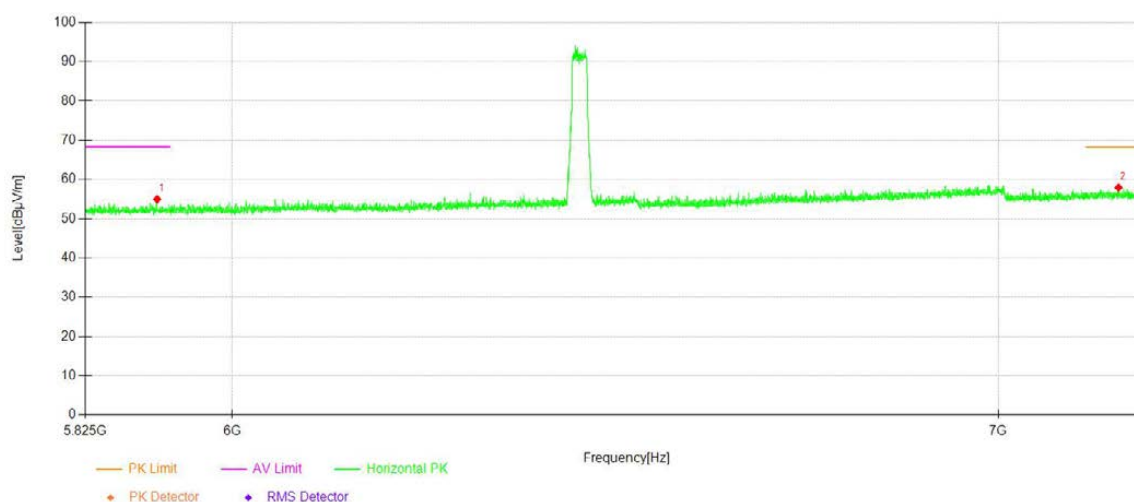


U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6435

Ant.Pol: H

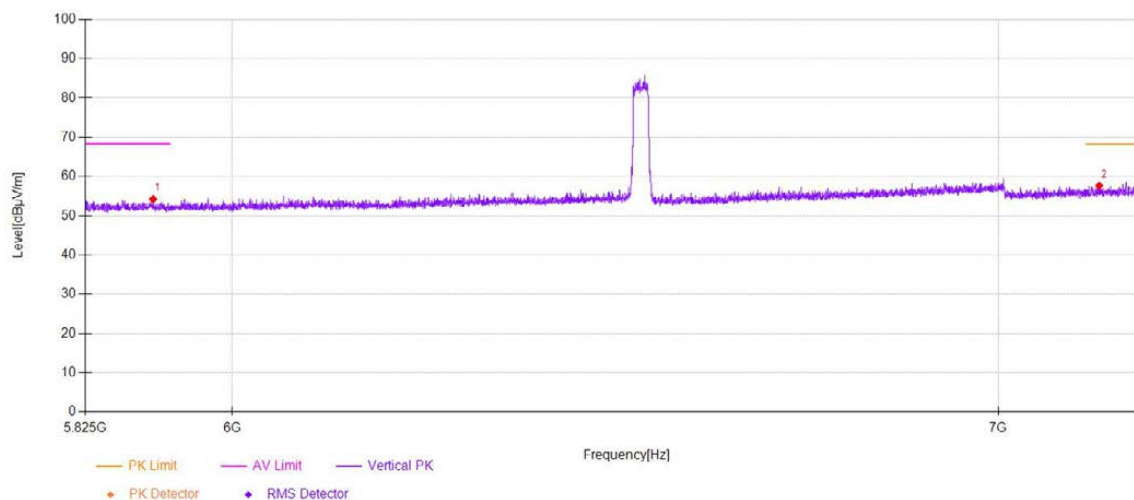


U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6515

Ant.Pol: V

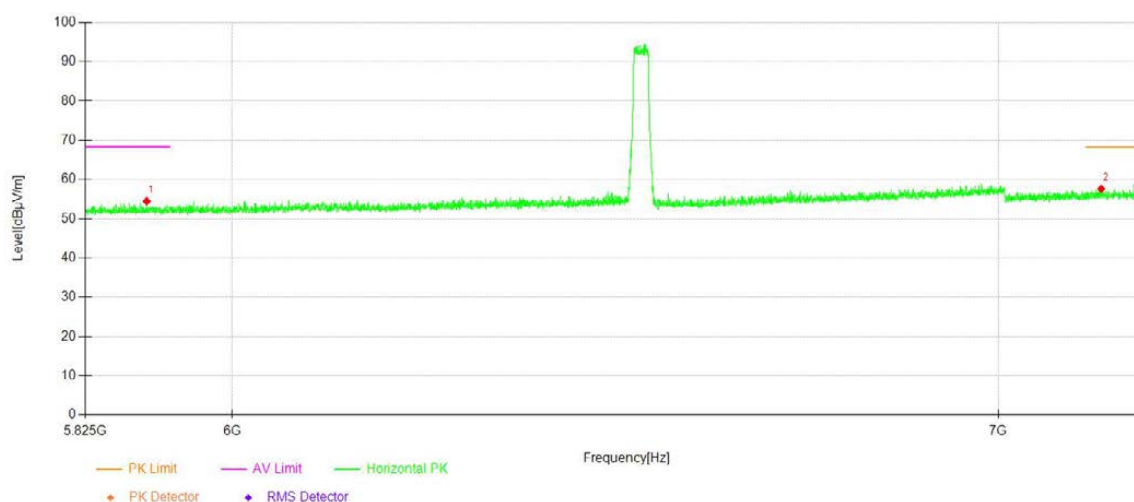


U-NII 6 Band (6425 ~ 6525MHz)

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

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5895.645	53.72	37.81	68.20	14.48	PK	Vertical
2	7130.5125	57.85	42.06	68.20	10.35	PK	Vertical
1	5887.3025	53.87	37.81	68.20	14.33	PK	Horizontal
2	7171.16	58.18	42.25	68.20	10.02	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):** 6855

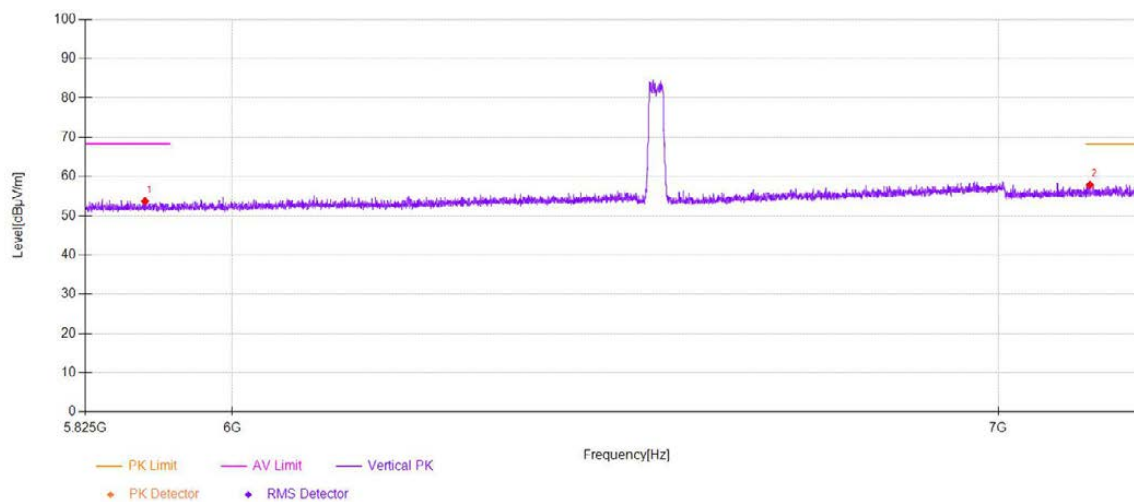
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5910.91	53.95	37.85	68.20	14.25	PK	Vertical
2	7148.6175	57.33	42.14	68.20	10.87	PK	Vertical
1	5902.39	54.59	37.81	68.20	13.61	PK	Horizontal
2	7176.13	57.88	42.27	68.20	10.32	PK	Horizontal
Note: (1) Peak RBW = 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

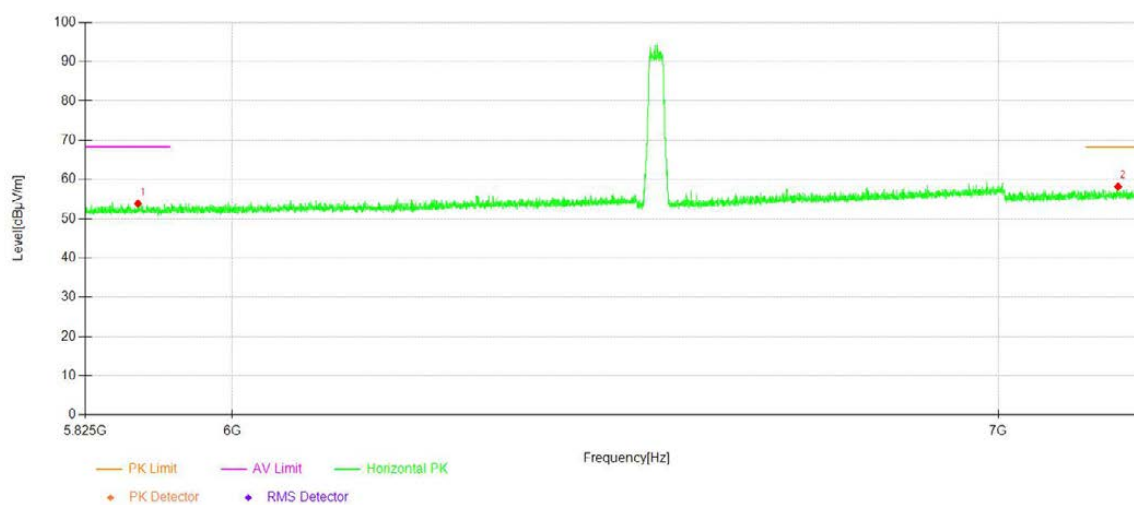


U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6535

Ant.Pol: H

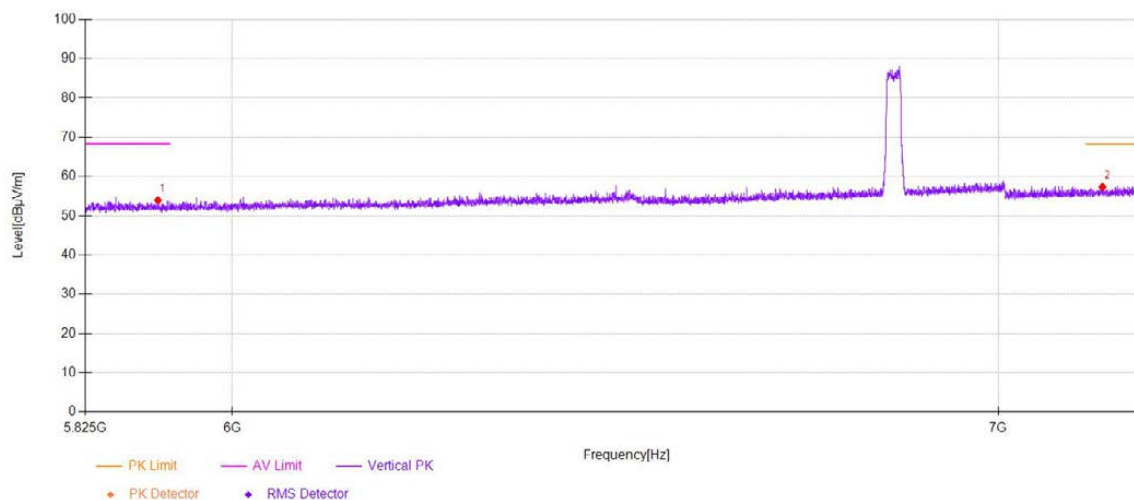


U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6855

Ant.Pol: V

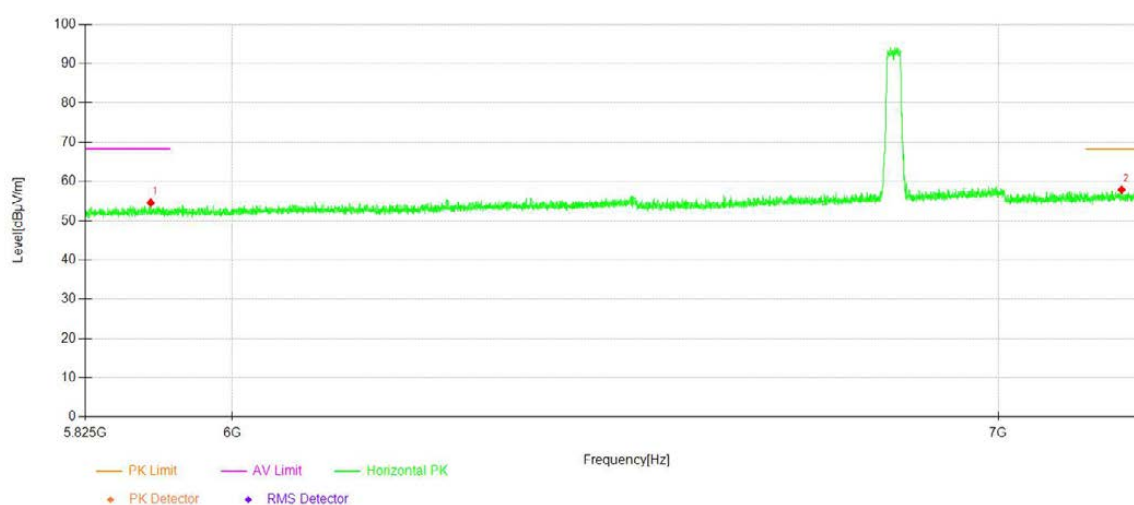


U-NII 7 Band (6525 ~ 6875MHz)

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

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5902.5675	54.90	37.81	68.20	13.30	PK	Vertical
2	7148.9725	57.39	42.14	68.20	10.81	PK	Vertical
1	5876.2975	53.89	37.80	68.20	14.31	PK	Horizontal
2	7128.3825	57.66	42.04	68.20	10.54	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: 802.11n(20) **Frequency(MHz):** 7115

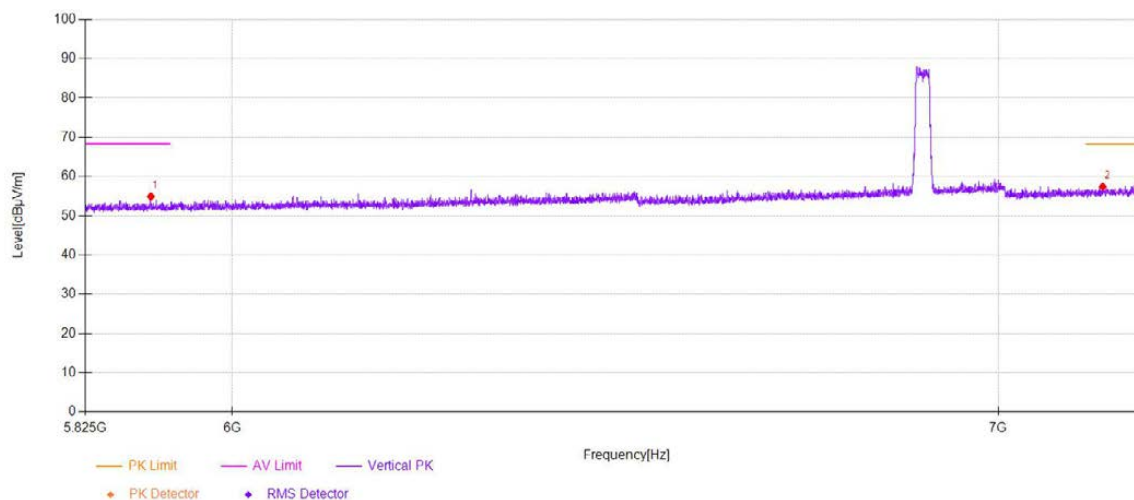
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5903.9875	54.71	37.83	68.20	13.49	PK	Vertical
2	7133.175	57.71	42.07	68.20	10.49	PK	Vertical
1	5876.475	54.32	37.81	68.20	13.88	PK	Horizontal
2	7170.9825	58.15	42.25	68.20	10.05	PK	Horizontal
Note: (1) Peak RBW = 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: 802.11n(20)

Frequency(MHz): 6895

Ant.Pol: V

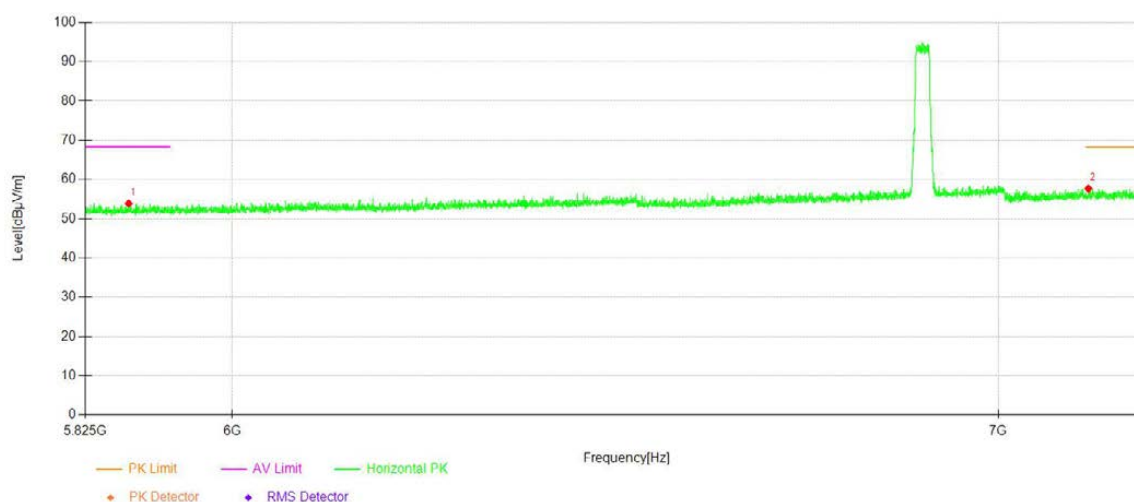


U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6895

Ant.Pol: H

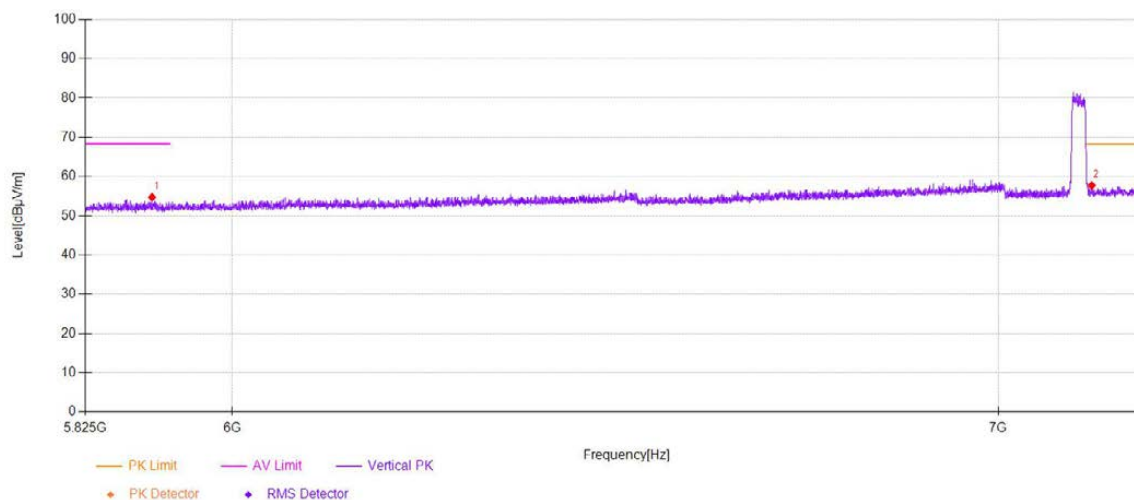


U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11n(20)

Frequency(MHz): 7115

Ant.Pol: V

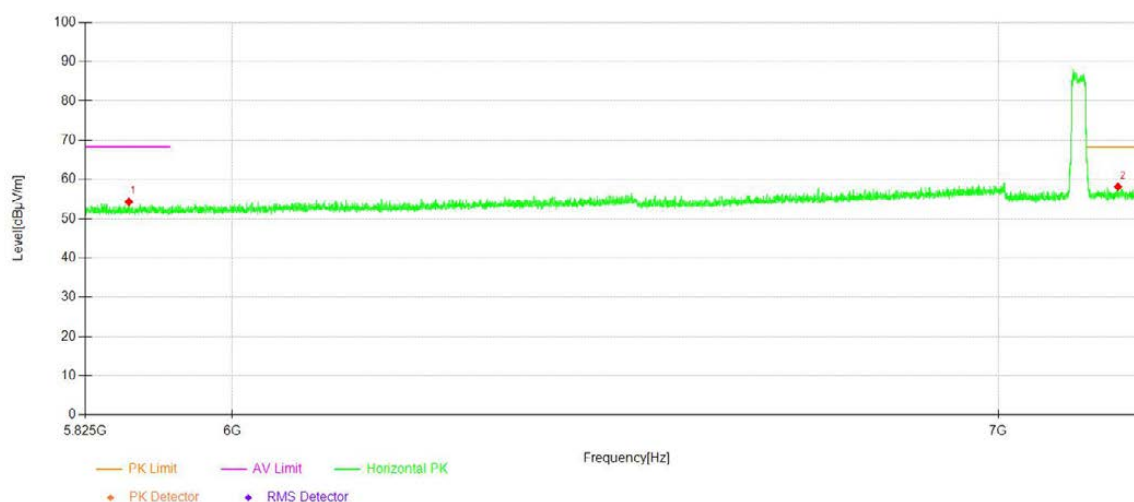


U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11n(20)

Frequency(MHz): 7115

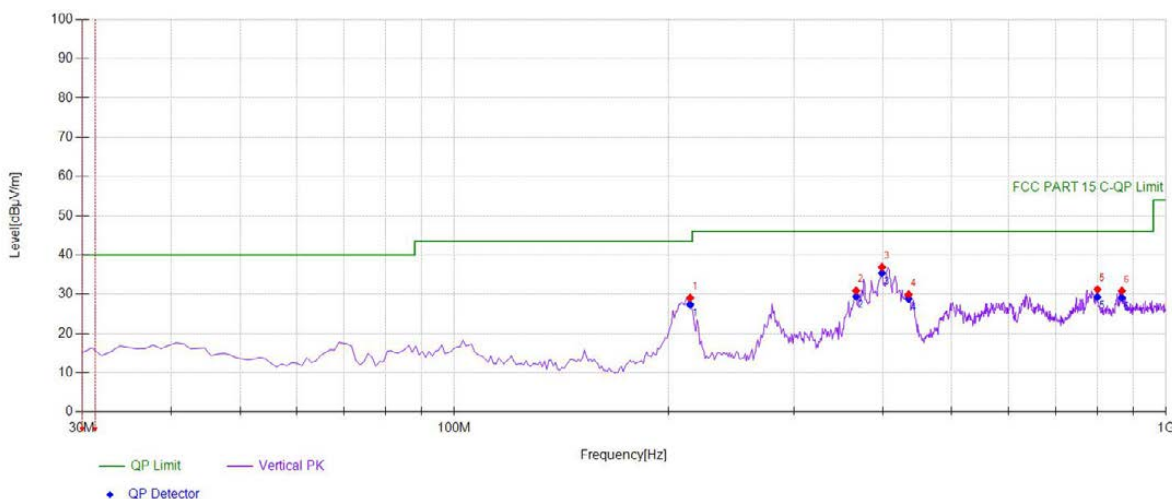
Ant.Pol: H



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

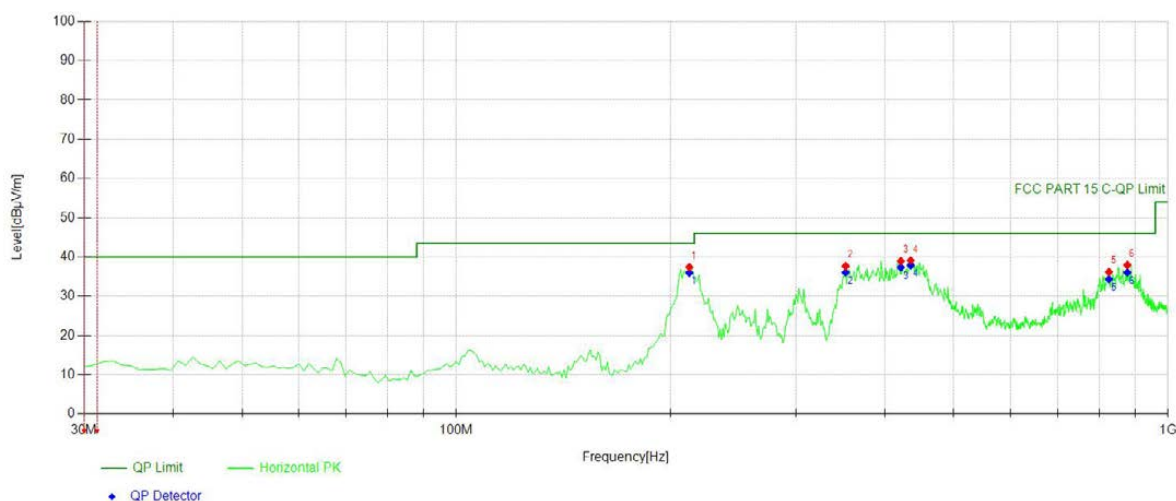
All antennas and modulation modes are tested, the data of the worst mode is described as below.

U-NII 5 Band (5925 ~ 6425MHz)		
Test mode:	802.11n(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	214.484	46.20	-17.12	29.08	PK	43.50	14.42	Vertical
2	366.926	43.82	-12.89	30.93	PK	46.00	15.07	Vertical
3	398.969	48.72	-11.79	36.93	PK	46.00	9.07	Vertical
4	434.894	41.27	-11.32	29.95	PK	46.00	16.05	Vertical
5	800.951	35.66	-4.41	31.25	PK	46.00	14.75	Vertical
6	866.977	34.47	-3.58	30.89	PK	46.00	15.11	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	214.4845	-17.12	27.37	43.50	16.13
2	366.9269	-12.89	29.42	46.00	16.58
3	398.969	-11.79	35.42	46.00	10.58
4	434.8949	-11.32	28.80	46.00	17.20
5	800.951	-4.41	29.29	46.00	16.71
6	866.977	-3.58	29.13	46.00	16.87



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	212.542	54.54	-17.12	37.42	PK	43.50	6.08	Horizontal
2	352.362	51.14	-13.46	37.68	PK	46.00	8.32	Horizontal
3	421.301	50.65	-11.70	38.95	PK	46.00	7.05	Horizontal
4	434.894	50.43	-11.32	39.11	PK	46.00	6.89	Horizontal
5	826.196	40.39	-4.19	36.20	PK	46.00	9.80	Horizontal
6	876.686	41.09	-3.15	37.94	PK	46.00	8.06	Horizontal

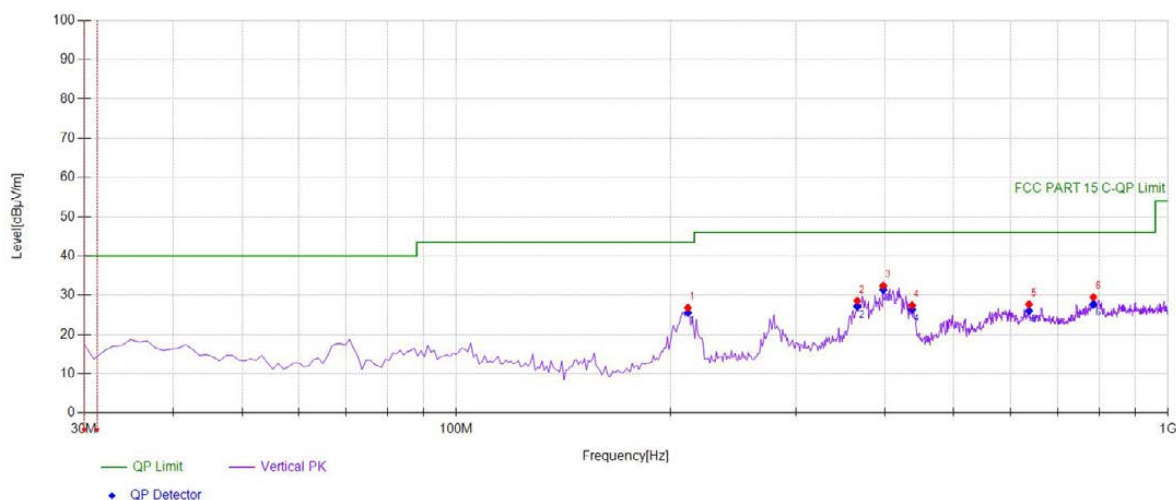
Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	212.5425	-17.12	35.98	43.50	7.52
2	352.3624	-13.46	36.08	46.00	9.92
3	421.3013	-11.70	37.35	46.00	8.65
4	434.8949	-11.32	37.87	46.00	8.13
5	826.1962	-4.19	34.32	46.00	11.68
6	876.6867	-3.15	36.06	46.00	9.94

U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6175

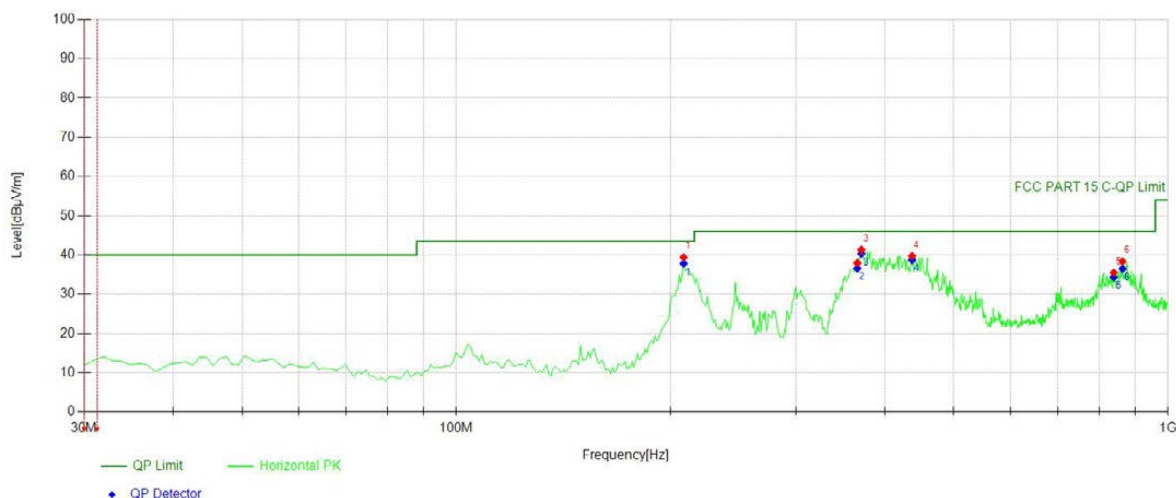


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	211.571	43.93	-17.13	26.80	PK	43.50	16.70	Vertical
2	365.956	41.52	-12.96	28.56	PK	46.00	17.44	Vertical
3	397.998	44.21	-11.80	32.41	PK	46.00	13.59	Vertical
4	436.836	38.67	-11.27	27.40	PK	46.00	18.60	Vertical
5	637.827	34.04	-6.36	27.68	PK	46.00	18.32	Vertical
6	785.415	34.07	-4.57	29.50	PK	46.00	16.50	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	211.5716	-17.13	25.60	43.50	17.90
2	365.956	-12.96	27.19	46.00	18.81
3	397.998	-11.80	31.40	46.00	14.60
4	436.8368	-11.27	26.39	46.00	19.61
5	637.8278	-6.36	26.03	46.00	19.97
6	785.4154	-4.57	27.69	46.00	18.31



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	208.658	56.51	-17.13	39.38	PK	43.50	4.12	Horizontal
2	365.956	50.92	-12.96	37.96	PK	46.00	8.04	Horizontal
3	370.810	53.92	-12.58	41.34	PK	46.00	4.66	Horizontal
4	436.836	51.00	-11.27	39.73	PK	46.00	6.27	Horizontal
5	838.818	39.40	-3.89	35.51	PK	46.00	10.49	Horizontal
6	863.093	42.02	-3.70	38.32	PK	46.00	7.68	Horizontal

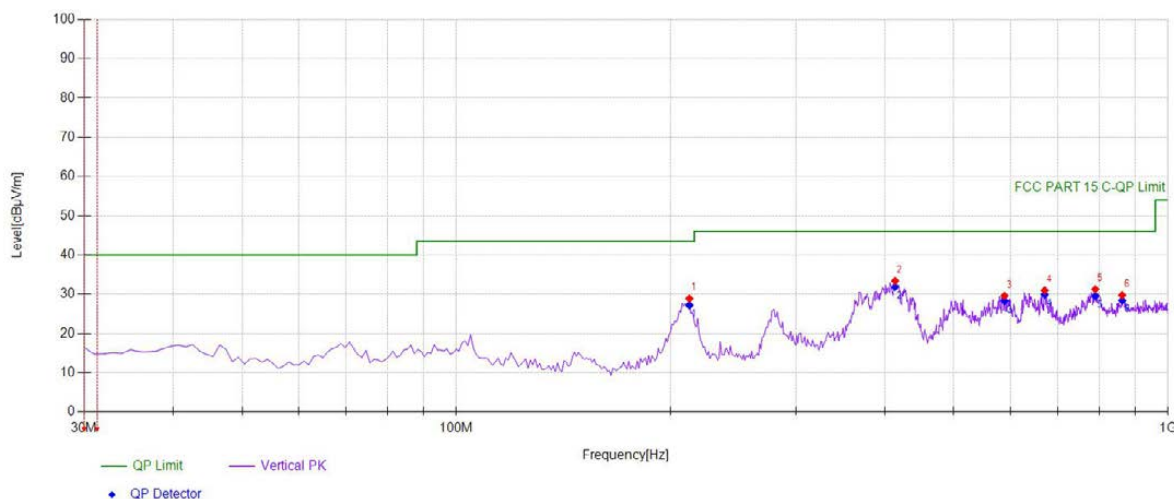
Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	208.6587	-17.13	37.80	43.50	5.70
2	365.956	-12.96	36.57	46.00	9.43
3	370.8108	-12.58	40.31	46.00	5.69
4	436.8368	-11.27	38.70	46.00	7.30
5	838.8188	-3.89	34.32	46.00	11.68
6	863.0931	-3.70	36.49	46.00	9.51

U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6415

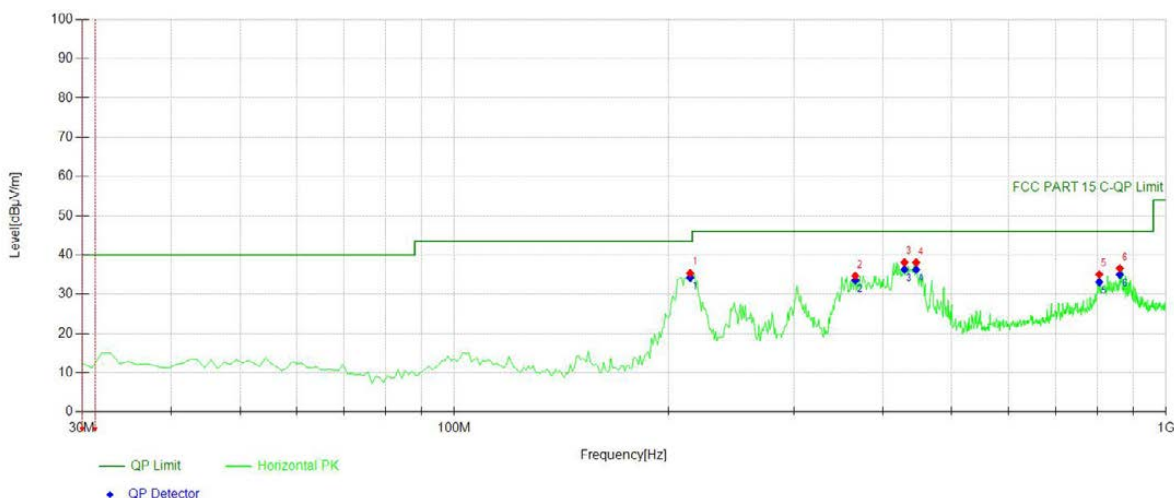


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	212.542	46.00	-17.12	28.88	PK	43.50	14.62	Vertical
2	413.533	45.14	-11.77	33.37	PK	46.00	12.63	Vertical
3	589.279	36.72	-7.14	29.58	PK	46.00	16.42	Vertical
4	670.840	37.14	-6.14	31.00	PK	46.00	15.00	Vertical
5	790.270	35.80	-4.52	31.28	PK	46.00	14.72	Vertical
6	862.122	33.50	-3.74	29.76	PK	46.00	16.24	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	212.5425	-17.12	27.21	43.50	16.29
2	413.5335	-11.77	31.90	46.00	14.10
3	589.2793	-7.14	28.30	46.00	17.70
4	670.8408	-6.14	29.92	46.00	16.08
5	790.2703	-4.52	29.56	46.00	16.44
6	862.1221	-3.74	28.40	46.00	17.60



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	214.484	52.49	-17.12	35.37	PK	43.50	8.13	Horizontal
2	365.956	47.63	-12.96	34.67	PK	46.00	11.33	Horizontal
3	429.069	49.58	-11.47	38.11	PK	46.00	7.89	Horizontal
4	445.575	49.24	-11.15	38.09	PK	46.00	7.91	Horizontal
5	805.805	39.41	-4.37	35.04	PK	46.00	10.96	Horizontal
6	861.151	40.37	-3.77	36.60	PK	46.00	9.40	Horizontal

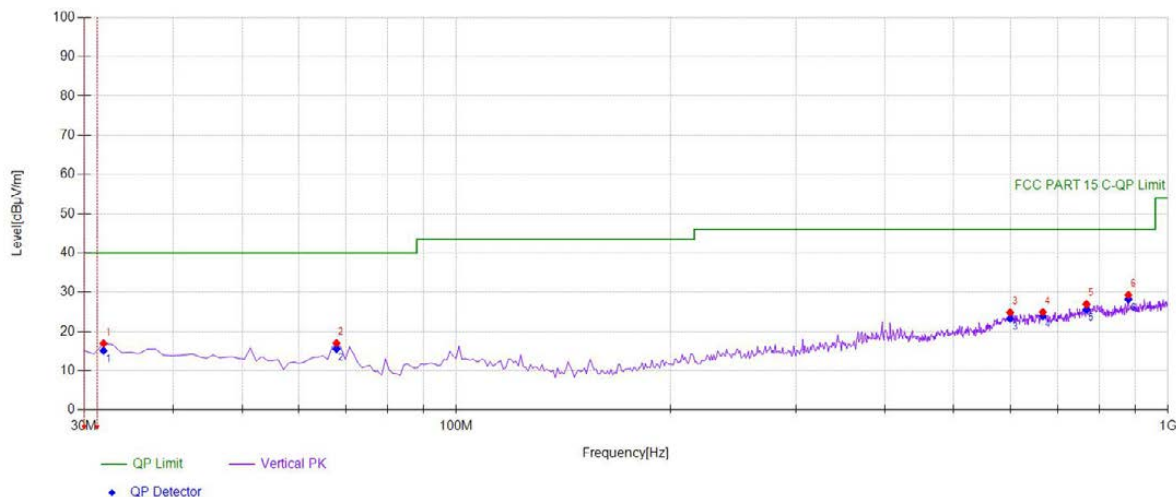
Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	214.4845	-17.12	34.21	43.50	9.29
2	365.956	-12.96	33.51	46.00	12.49
3	429.0691	-11.47	36.31	46.00	9.69
4	445.5756	-11.15	36.29	46.00	9.71
5	805.8058	-4.37	33.08	46.00	12.92
6	861.1512	-3.77	34.99	46.00	11.01

U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6435

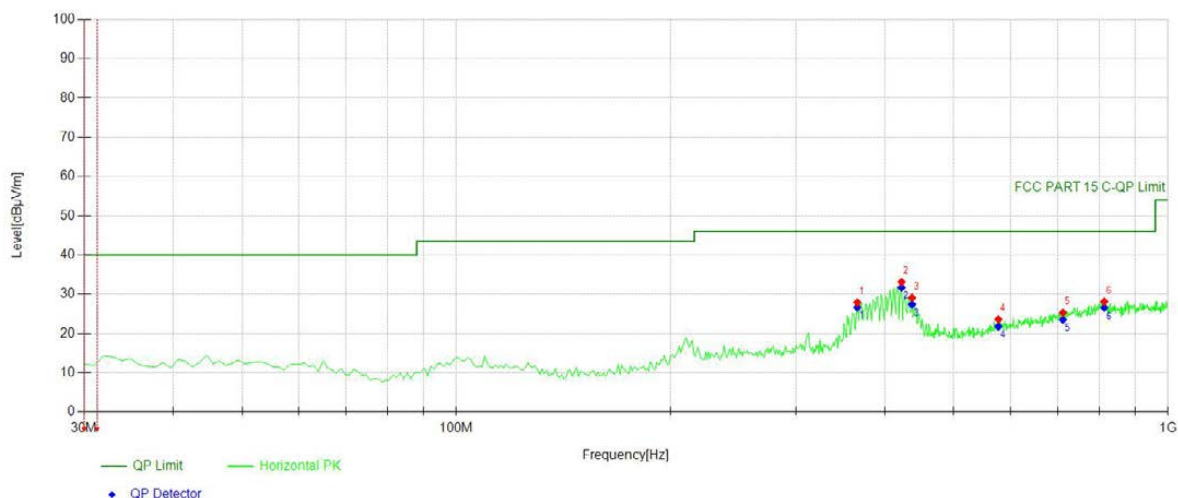


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	31.9419	35.36	-18.41	16.95	PK	40.00	23.05	Vertical
2	67.8679	36.69	-19.66	17.03	PK	40.00	22.97	Vertical
3	599.96	32.02	-7.14	24.88	PK	46.00	21.12	Vertical
4	666.957	31.10	-6.14	24.96	PK	46.00	21.04	Vertical
5	767.937	32.04	-5.07	26.97	PK	46.00	19.03	Vertical
6	879.599	32.30	-3.00	29.30	PK	46.00	16.70	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	31.9419	-18.41	15.16	40.00	24.84
2	67.8679	-19.66	15.60	40.00	24.40
3	599.96	-7.14	23.29	46.00	22.71
4	666.957	-6.14	23.92	46.00	22.08
5	767.9379	-5.07	25.65	46.00	20.35
6	879.5996	-3.00	28.17	46.00	17.83



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	365.956	40.85	-12.96	27.89	PK	46.00	18.11	Horizontal
2	422.272	44.77	-11.67	33.10	PK	46.00	12.90	Horizontal
3	436.836	40.36	-11.27	29.09	PK	46.00	16.91	Horizontal
4	577.627	30.95	-7.35	23.60	PK	46.00	22.40	Horizontal
5	711.621	31.15	-5.84	25.31	PK	46.00	20.69	Horizontal
6	813.573	32.40	-4.32	28.08	PK	46.00	17.92	Horizontal

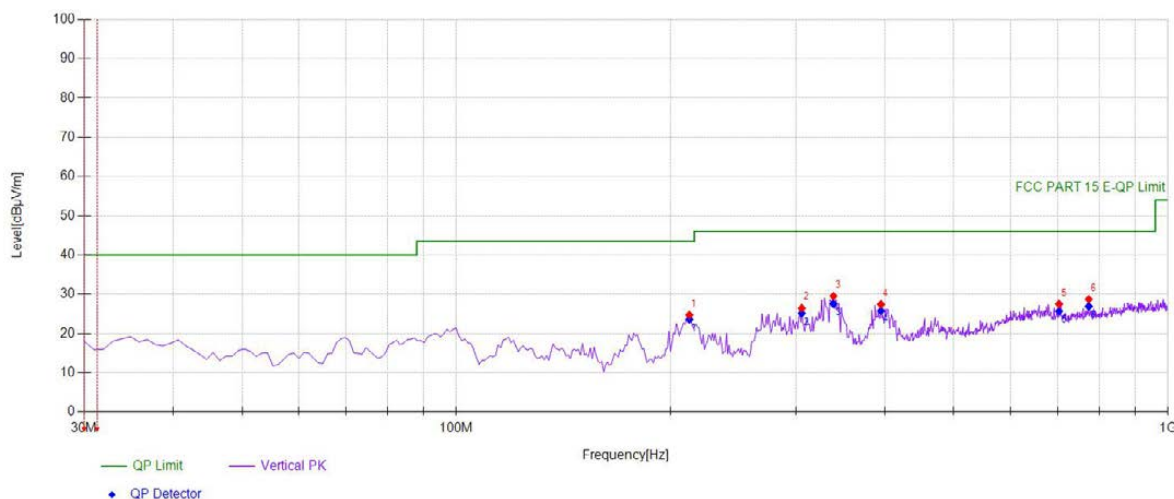
Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	365.956	-12.96	26.68	46.00	19.32
2	422.2723	-11.67	31.72	46.00	14.28
3	436.8368	-11.27	27.43	46.00	18.57
4	577.6276	-7.35	21.78	46.00	24.22
5	711.6216	-5.84	23.49	46.00	22.51
6	813.5736	-4.32	26.62	46.00	19.38

U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6475

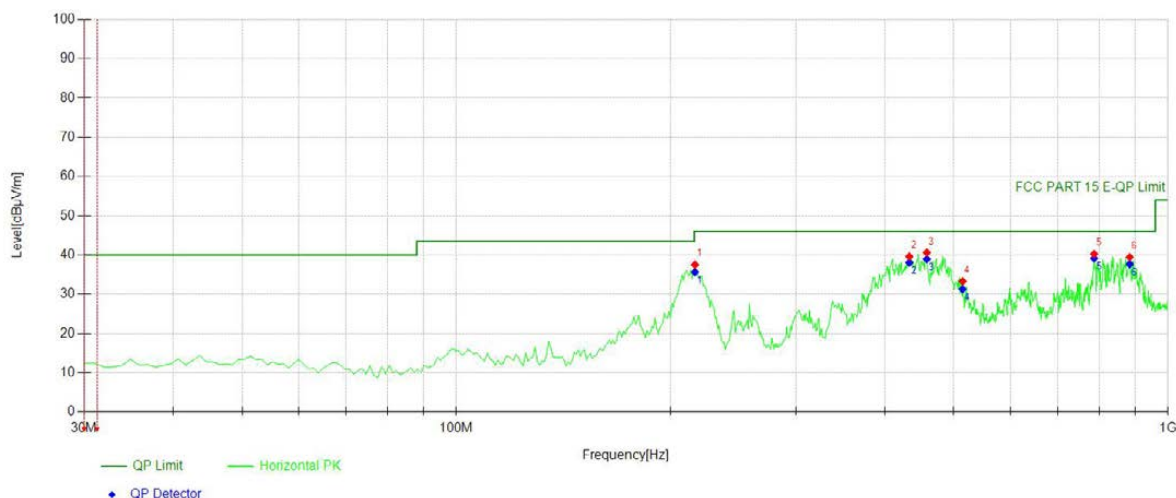


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	212.542	41.87	-17.12	24.75	PK	43.50	18.75	Vertical
2	305.755	40.64	-14.15	26.49	PK	46.00	19.51	Vertical
3	338.768	43.02	-13.49	29.53	PK	46.00	16.47	Vertical
4	395.085	39.24	-11.81	27.43	PK	46.00	18.57	Vertical
5	702.882	33.44	-5.91	27.53	PK	46.00	18.47	Vertical
6	773.763	33.58	-4.87	28.71	PK	46.00	17.29	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	212.5425	-17.12	23.57	43.50	19.93
2	305.7558	-14.15	25.14	46.00	20.86
3	338.7688	-13.49	27.54	46.00	18.46
4	395.0851	-11.81	25.80	46.00	20.20
5	702.8829	-5.91	25.74	46.00	20.26
6	773.7638	-4.87	26.92	46.00	19.08



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	216.426	54.62	-17.11	37.51	PK	46.00	8.49	Horizontal
2	432.953	50.95	-11.37	39.58	PK	46.00	6.42	Horizontal
3	458.198	51.68	-11.06	40.62	PK	46.00	5.38	Horizontal
4	514.514	43.04	-9.77	33.27	PK	46.00	12.73	Horizontal
5	787.357	44.80	-4.55	40.25	PK	46.00	5.75	Horizontal
6	883.483	42.37	-2.95	39.42	PK	46.00	6.58	Horizontal

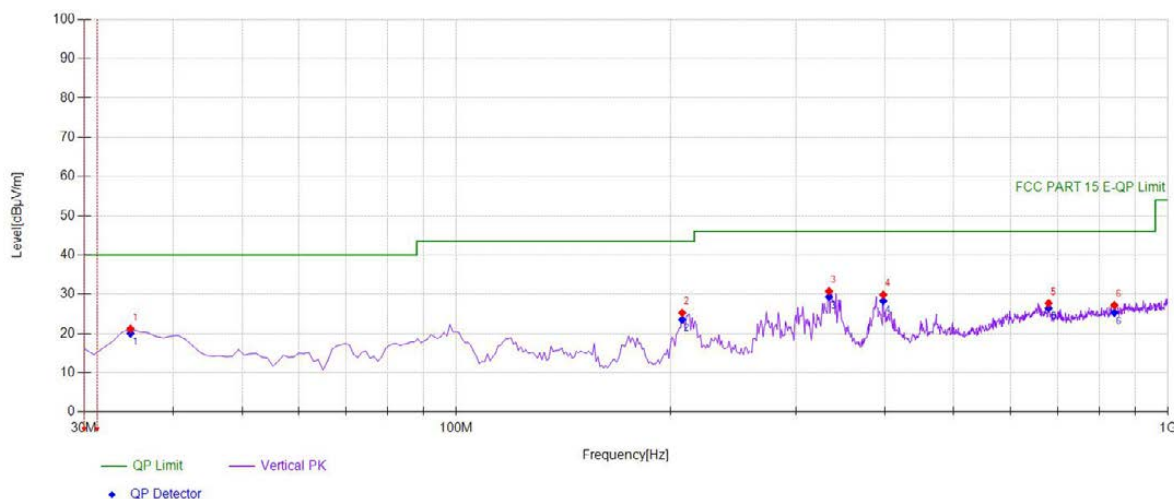
Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	216.4264	-17.11	35.63	46.00	10.37
2	432.953	-11.37	38.06	46.00	7.94
3	458.1982	-11.06	38.94	46.00	7.06
4	514.5145	-9.77	31.31	46.00	14.69
5	787.3574	-4.55	39.12	46.00	6.88
6	883.4835	-2.95	37.65	46.00	8.35

U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6515

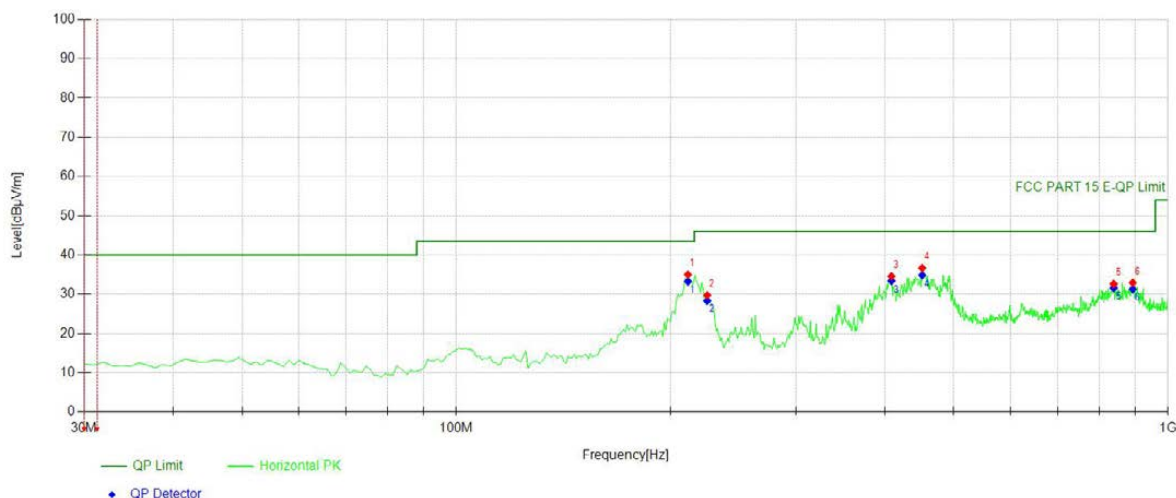


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	34.8549	39.41	-18.23	21.18	PK	40.00	18.82	Vertical
2	207.687	42.40	-17.13	25.27	PK	43.50	18.23	Vertical
3	333.913	44.43	-13.64	30.79	PK	46.00	15.21	Vertical
4	397.998	41.67	-11.80	29.87	PK	46.00	16.13	Vertical
5	679.579	33.81	-6.10	27.71	PK	46.00	18.29	Vertical
6	840.760	31.04	-3.86	27.18	PK	46.00	18.82	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	34.8549	-18.23	20.04	40.00	19.96
2	207.6877	-17.13	23.49	43.50	20.01
3	333.9139	-13.64	29.37	46.00	16.63
4	397.998	-11.80	28.29	46.00	17.71
5	679.5796	-6.10	26.49	46.00	19.51
6	840.7608	-3.86	25.31	46.00	20.69



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	211.571	52.13	-17.13	35.00	PK	43.50	8.50	Horizontal
2	225.165	46.33	-16.61	29.72	PK	46.00	16.28	Horizontal
3	408.678	46.36	-11.78	34.58	PK	46.00	11.42	Horizontal
4	451.401	47.79	-11.12	36.67	PK	46.00	9.33	Horizontal
5	838.818	36.50	-3.89	32.61	PK	46.00	13.39	Horizontal
6	892.222	35.80	-2.86	32.94	PK	46.00	13.06	Horizontal

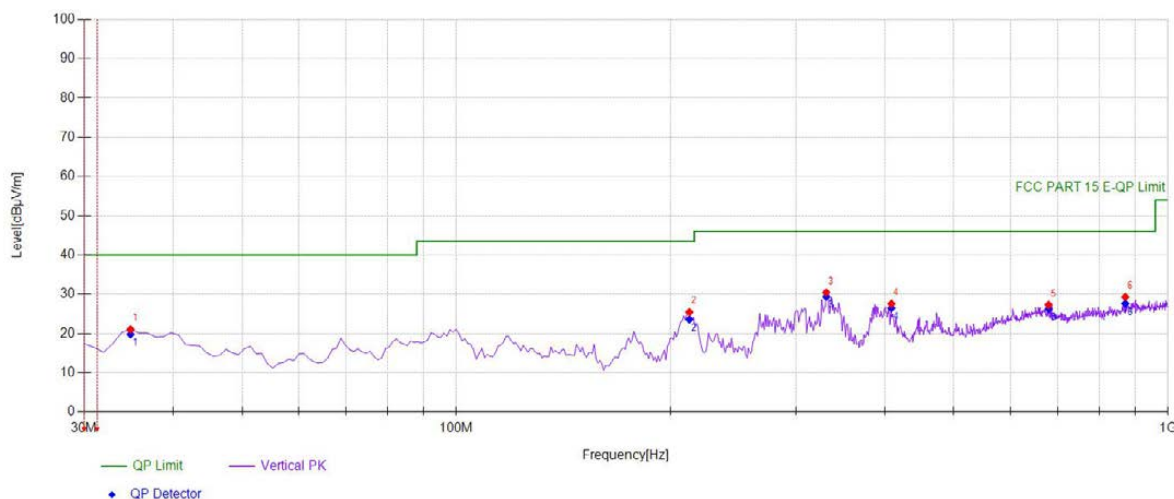
Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	211.5716	-17.13	33.24	43.50	10.26
2	225.1652	-16.61	28.32	46.00	17.68
3	408.6787	-11.78	33.38	46.00	12.62
4	451.4014	-11.12	34.83	46.00	11.17
5	838.8188	-3.89	31.60	46.00	14.40
6	892.2222	-2.86	31.29	46.00	14.71

U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6535

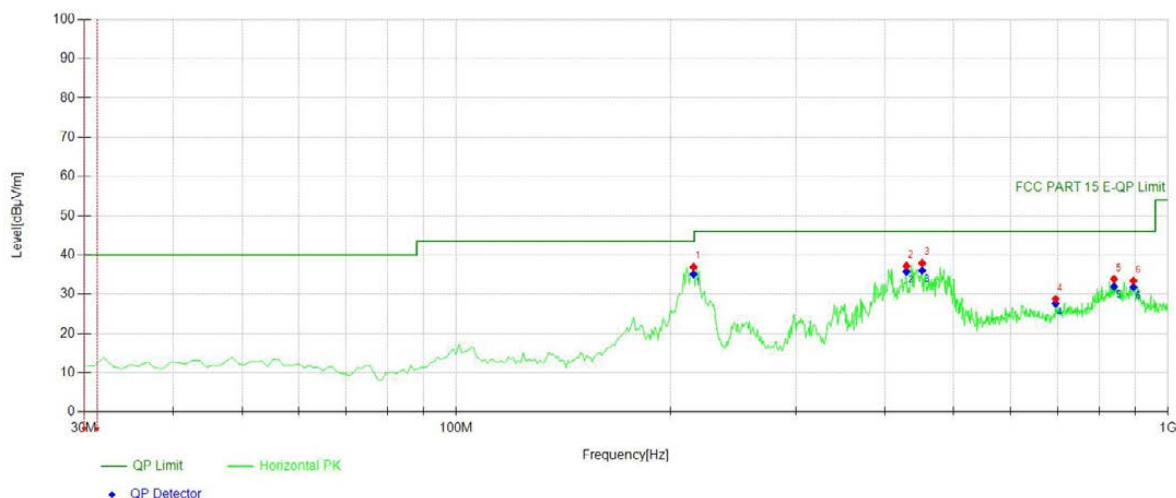


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	34.8549	39.27	-18.23	21.04	PK	40.00	18.96	Vertical
2	212.542	42.59	-17.12	25.47	PK	43.50	18.03	Vertical
3	331.001	44.19	-13.73	30.46	PK	46.00	15.54	Vertical
4	408.678	39.35	-11.78	27.57	PK	46.00	18.43	Vertical
5	679.579	33.40	-6.10	27.30	PK	46.00	18.70	Vertical
6	870.860	32.74	-3.43	29.31	PK	46.00	16.69	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	34.8549	-18.23	19.81	40.00	20.19
2	212.5425	-17.12	23.59	43.50	19.91
3	331.001	-13.73	29.39	46.00	16.61
4	408.6787	-11.78	26.53	46.00	19.47
5	679.5796	-6.10	26.26	46.00	19.74
6	870.8609	-3.43	27.63	46.00	18.37



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	215.455	54.06	-17.11	36.95	PK	43.50	6.55	Horizontal
2	429.069	48.68	-11.47	37.21	PK	46.00	8.79	Horizontal
3	451.401	49.02	-11.12	37.90	PK	46.00	8.10	Horizontal
4	695.115	34.74	-5.98	28.76	PK	46.00	17.24	Horizontal
5	839.789	37.73	-3.86	33.87	PK	46.00	12.13	Horizontal
6	894.164	36.24	-2.85	33.39	PK	46.00	12.61	Horizontal

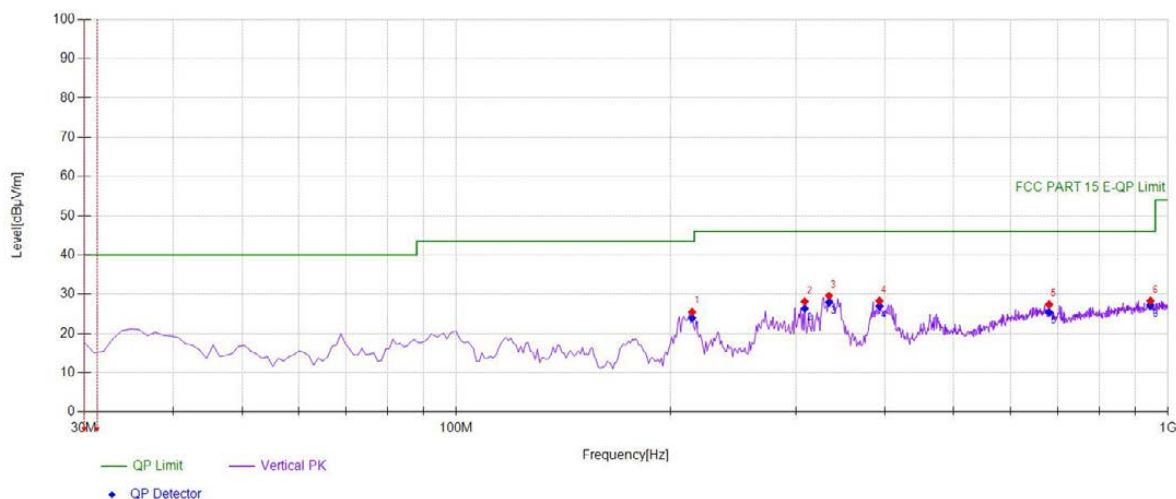
Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	215.4555	-17.11	35.13	43.50	8.37
2	429.0691	-11.47	35.75	46.00	10.25
3	451.4014	-11.12	36.05	46.00	9.95
4	695.1151	-5.98	27.66	46.00	18.34
5	839.7898	-3.86	31.96	46.00	14.04
6	894.1642	-2.85	31.84	46.00	14.16

U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6695

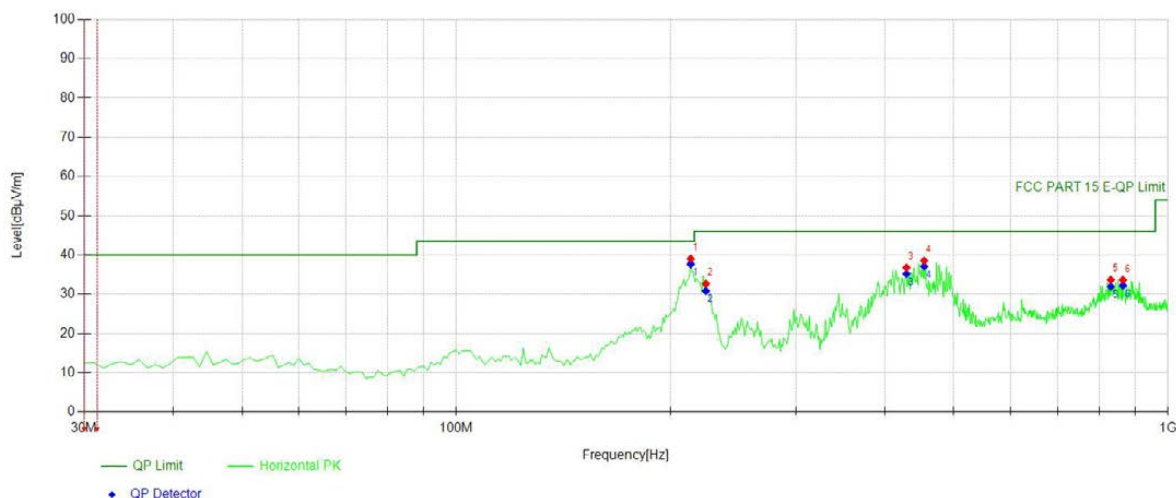


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	214.484	42.61	-17.12	25.49	PK	43.50	18.01	Vertical
2	308.668	42.27	-14.15	28.12	PK	46.00	17.88	Vertical
3	333.913	43.24	-13.64	29.60	PK	46.00	16.40	Vertical
4	393.143	40.12	-11.82	28.30	PK	46.00	17.70	Vertical
5	680.550	33.50	-6.10	27.40	PK	46.00	18.60	Vertical
6	944.654	30.70	-2.39	28.31	PK	46.00	17.69	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	214.4845	-17.12	23.96	43.50	19.54
2	308.6687	-14.15	26.39	46.00	19.61
3	333.9139	-13.64	27.90	46.00	18.10
4	393.1431	-11.82	26.96	46.00	19.04
5	680.5506	-6.10	25.42	46.00	20.58
6	944.6547	-2.39	27.17	46.00	18.83



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	213.513	56.15	-17.12	39.03	PK	43.50	4.47	Horizontal
2	224.194	49.35	-16.69	32.66	PK	46.00	13.34	Horizontal
3	429.069	48.27	-11.47	36.80	PK	46.00	9.20	Horizontal
4	454.314	49.62	-11.09	38.53	PK	46.00	7.47	Horizontal
5	831.051	37.76	-4.09	33.67	PK	46.00	12.33	Horizontal
6	864.064	37.31	-3.67	33.64	PK	46.00	12.36	Horizontal

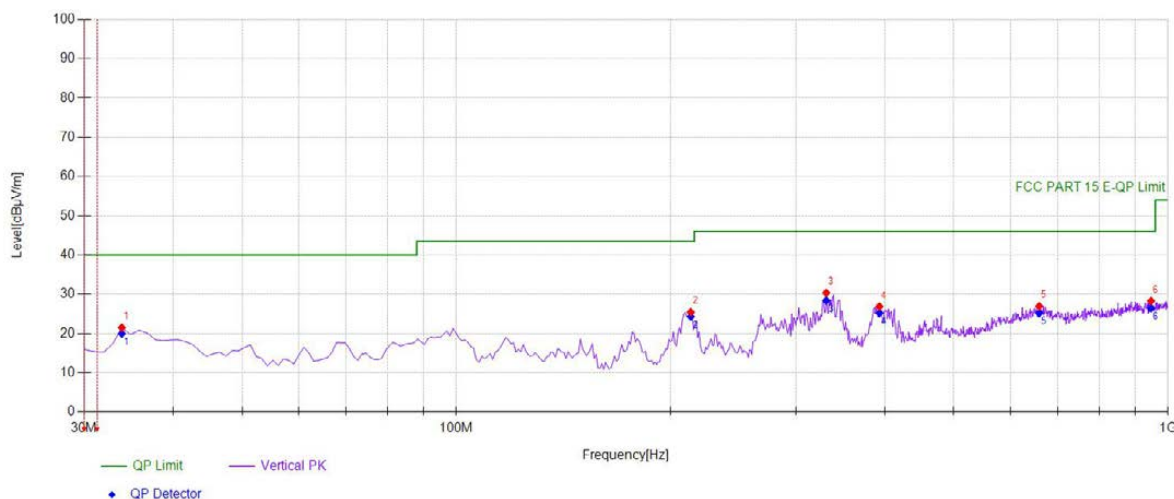
Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	213.5135	-17.12	37.68	43.50	5.82
2	224.1942	-16.69	30.86	46.00	15.14
3	429.0691	-11.47	35.20	46.00	10.80
4	454.3143	-11.09	37.12	46.00	8.88
5	831.0511	-4.09	31.96	46.00	14.04
6	864.0641	-3.67	32.23	46.00	13.77

U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6855

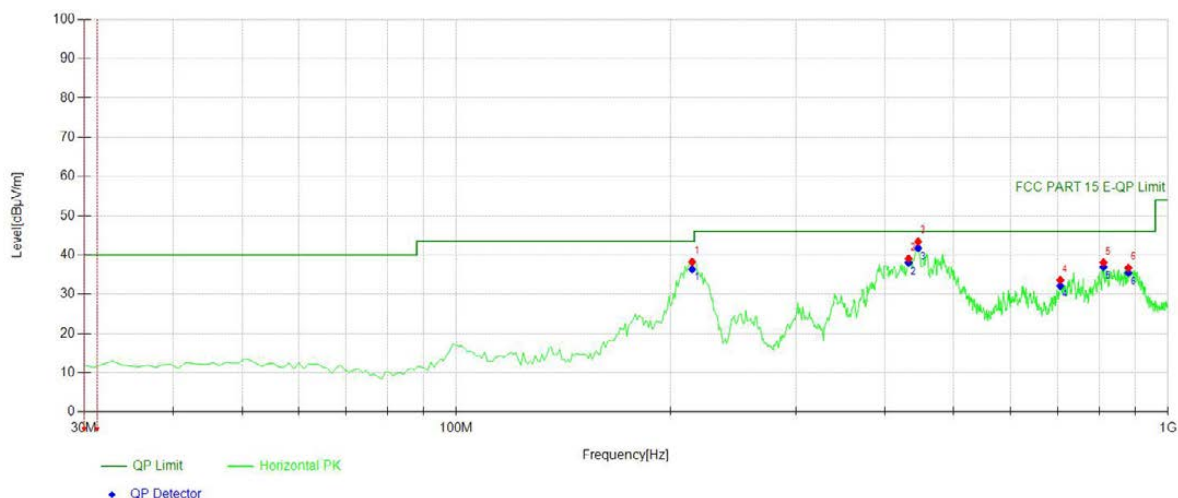


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	33.8839	39.79	-18.29	21.50	PK	40.00	18.50	Vertical
2	213.513	42.59	-17.12	25.47	PK	43.50	18.03	Vertical
3	331.001	44.10	-13.73	30.37	PK	46.00	15.63	Vertical
4	393.143	38.69	-11.82	26.87	PK	46.00	19.13	Vertical
5	659.189	33.09	-6.14	26.95	PK	46.00	19.05	Vertical
6	946.596	30.62	-2.37	28.25	PK	46.00	17.75	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	33.8839	-18.29	19.97	40.00	20.03
2	213.5135	-17.12	24.30	43.50	19.20
3	331.001	-13.73	28.39	46.00	17.61
4	393.1431	-11.82	25.25	46.00	20.75
5	659.1892	-6.14	25.17	46.00	20.83
6	946.5966	-2.37	26.47	46.00	19.53



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	214.484	55.36	-17.12	38.24	PK	43.50	5.26	Horizontal
2	431.982	50.45	-11.40	39.05	PK	46.00	6.95	Horizontal
3	445.575	54.55	-11.15	43.40	PK	46.00	2.60	Horizontal
4	705.795	39.48	-5.88	33.60	PK	46.00	12.40	Horizontal
5	811.631	42.41	-4.33	38.08	PK	46.00	7.92	Horizontal
6	879.599	39.74	-3.00	36.74	PK	46.00	9.26	Horizontal

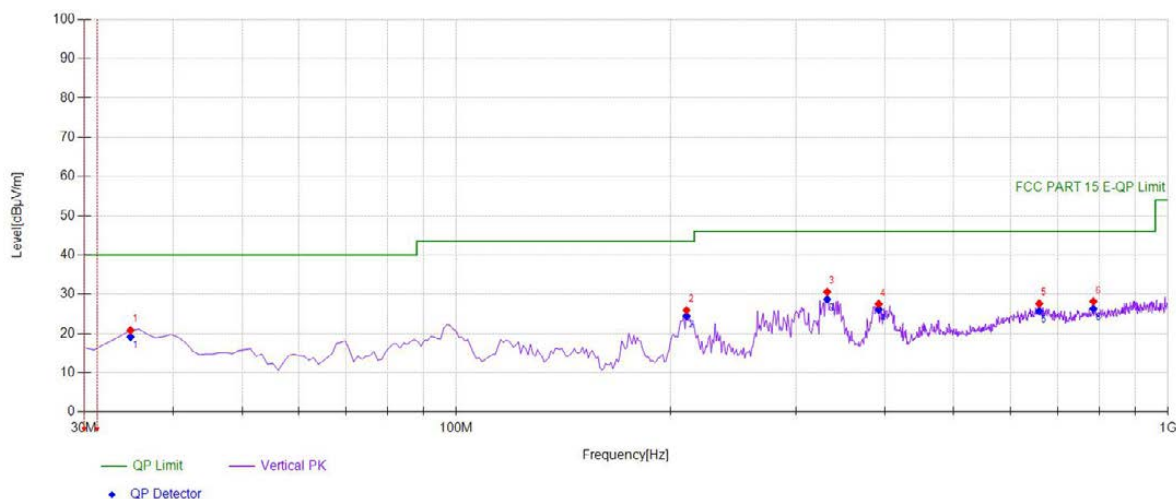
Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	214.4845	-17.12	36.37	43.50	7.13
2	431.982	-11.40	38.02	46.00	7.98
3	445.5756	-11.15	41.73	46.00	4.27
4	705.7958	-5.88	32.12	46.00	13.88
5	811.6316	-4.33	36.96	46.00	9.04
6	879.5996	-3.00	35.46	46.00	10.54

U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11n(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	34.8549	39.02	-18.23	20.79	PK	40.00	19.21	Vertical
2	210.600	43.07	-17.13	25.94	PK	43.50	17.56	Vertical
3	331.972	44.31	-13.70	30.61	PK	46.00	15.39	Vertical
4	392.172	39.33	-11.82	27.51	PK	46.00	18.49	Vertical
5	659.189	33.75	-6.14	27.61	PK	46.00	18.39	Vertical
6	785.415	32.71	-4.57	28.14	PK	46.00	17.86	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	34.8549	-18.23	19.14	40.00	20.86
2	210.6006	-17.13	24.45	43.50	19.05
3	331.972	-13.70	28.66	46.00	17.34
4	392.1722	-11.82	26.11	46.00	19.89
5	659.1892	-6.14	25.76	46.00	20.24
6	785.4154	-4.57	26.35	46.00	19.65