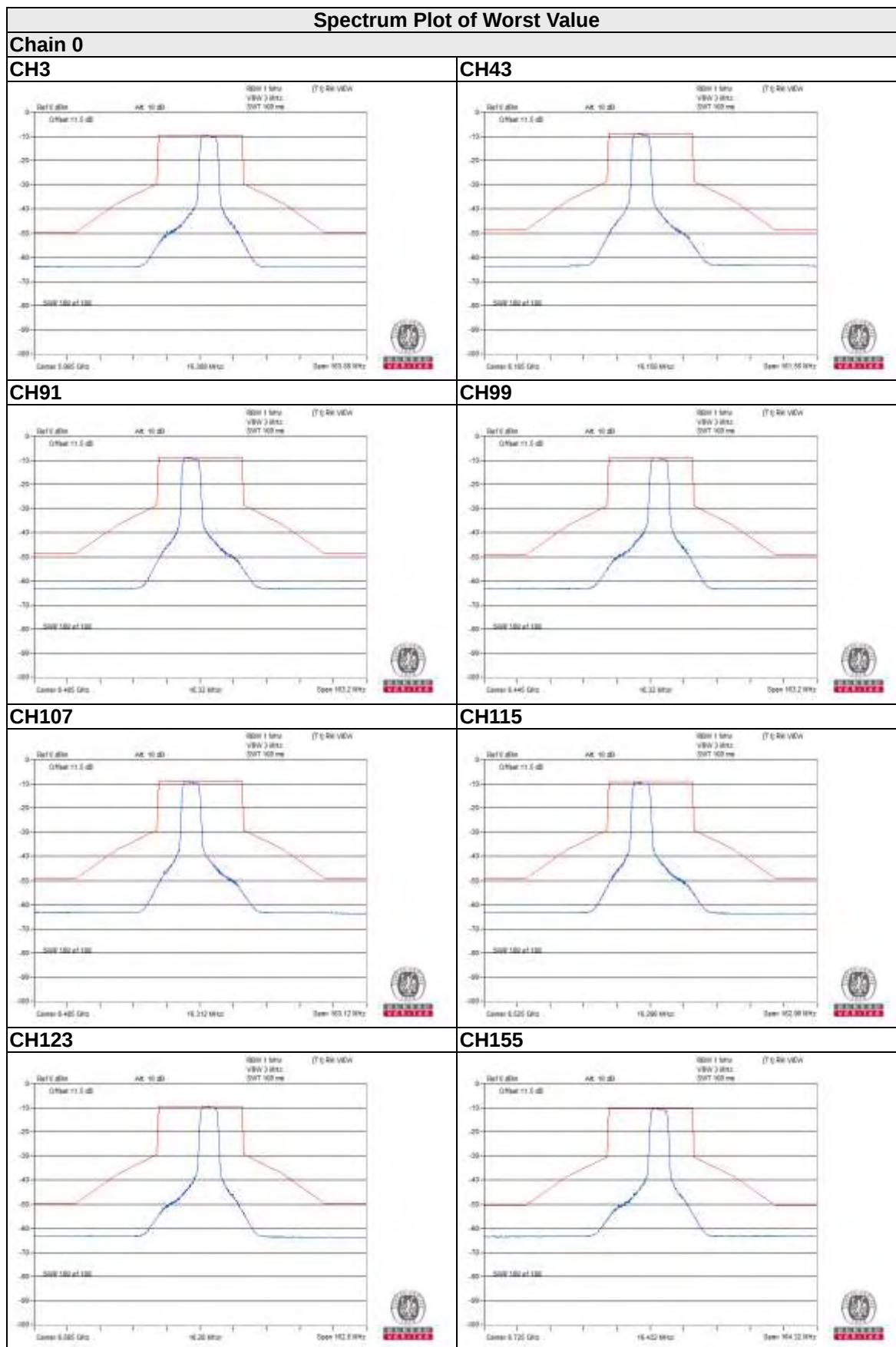


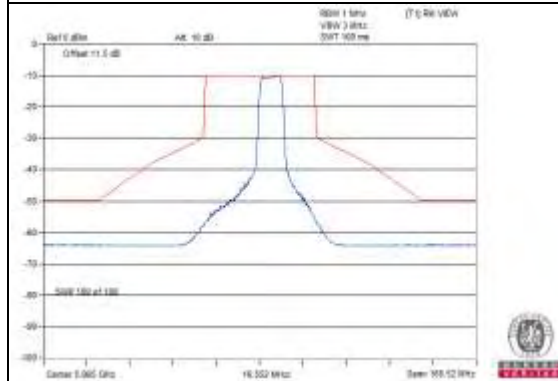
RU106



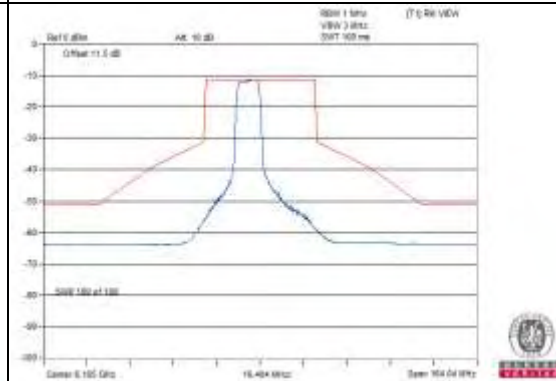
Spectrum Plot of Worst Value

Chain 1

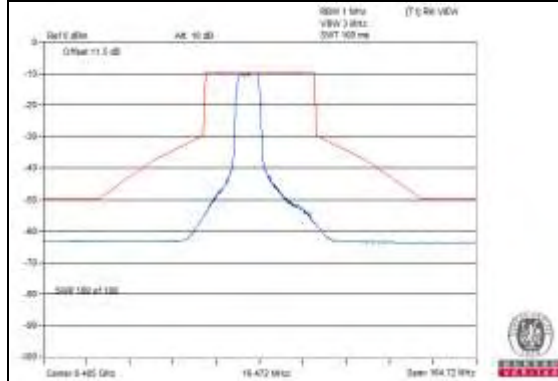
CH3



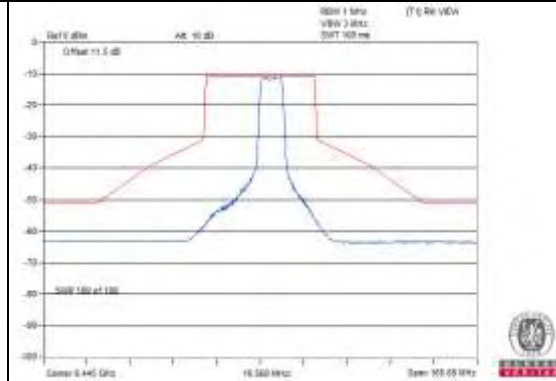
CH43



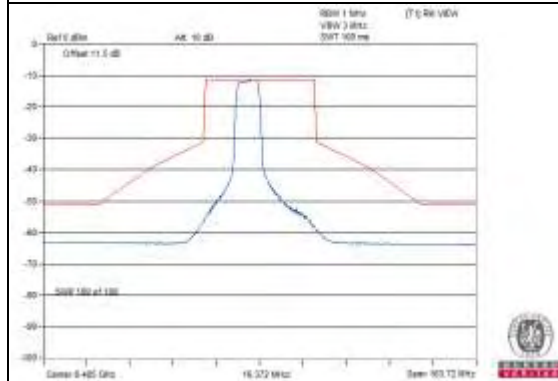
CH91



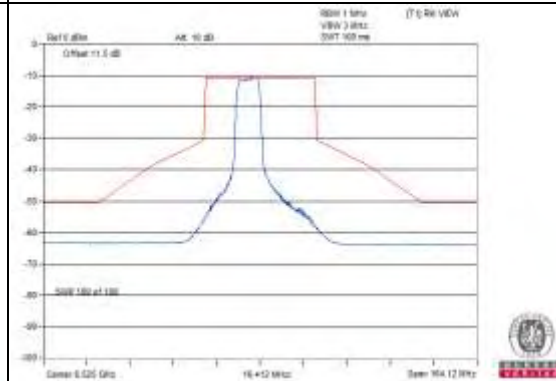
CH99



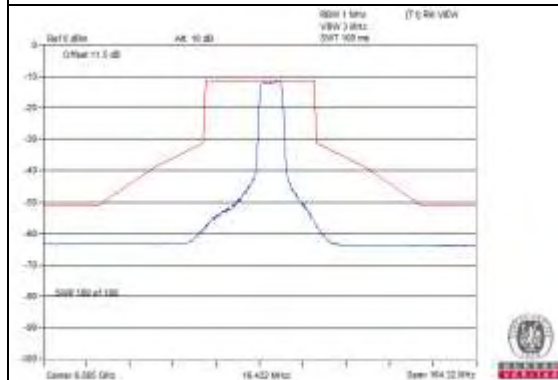
CH107



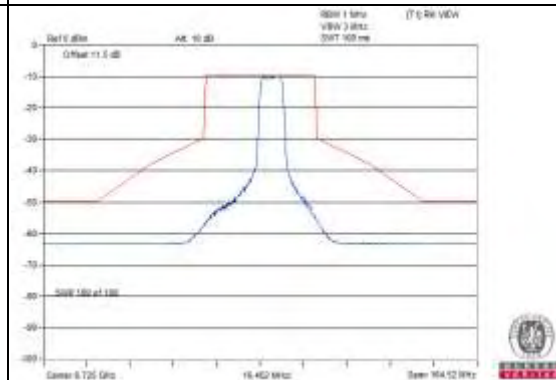
CH115



CH123



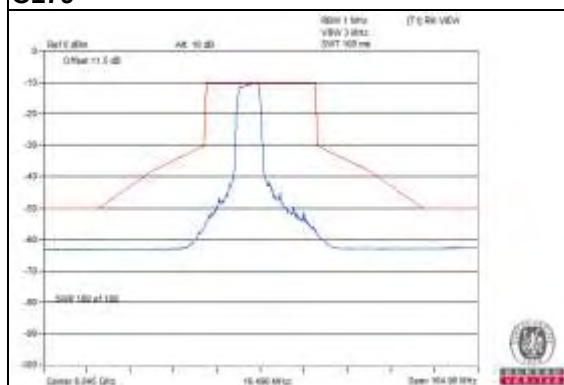
CH155



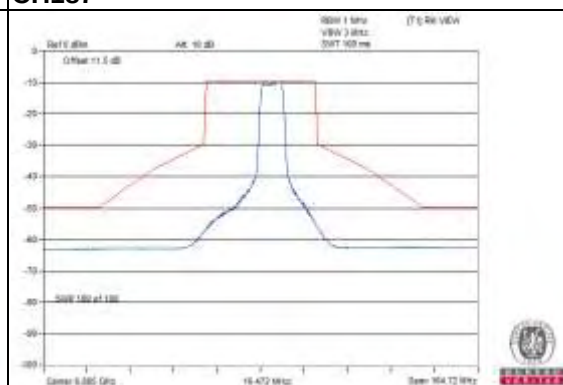
Spectrum Plot of Worst Value

Chain 1

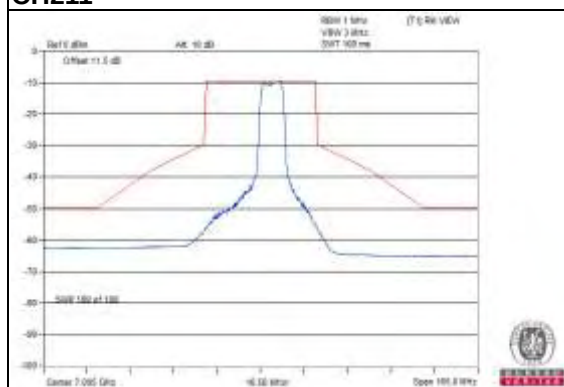
C179



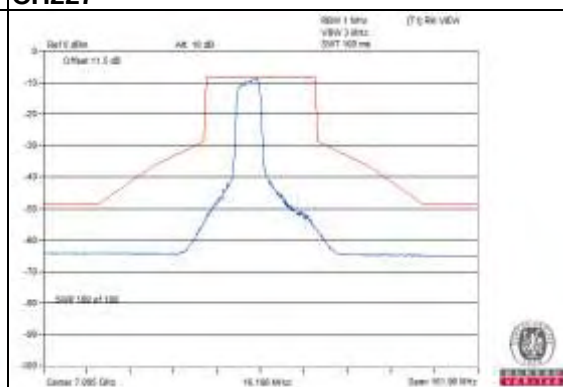
CH187



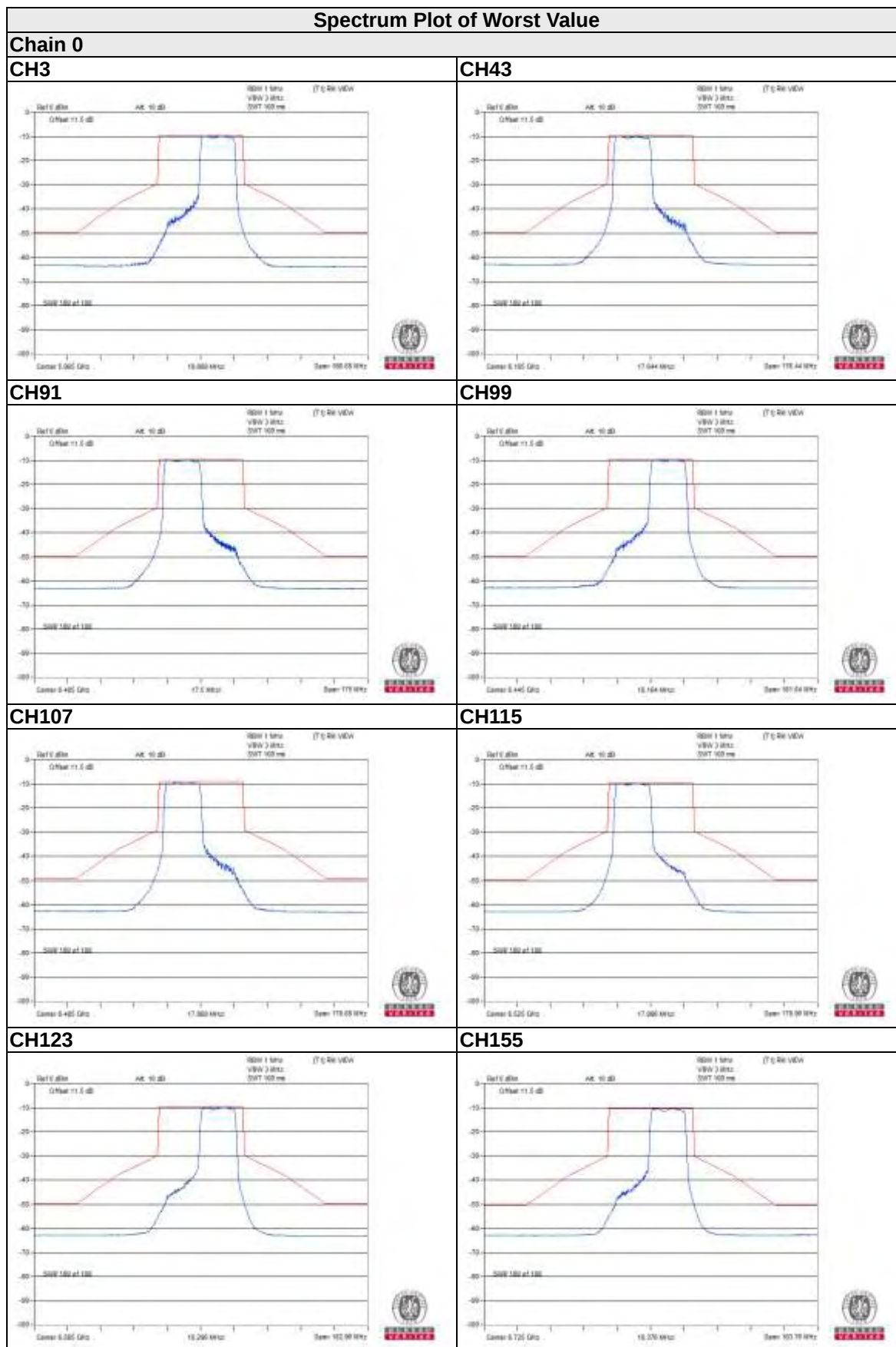
CH211



CH227



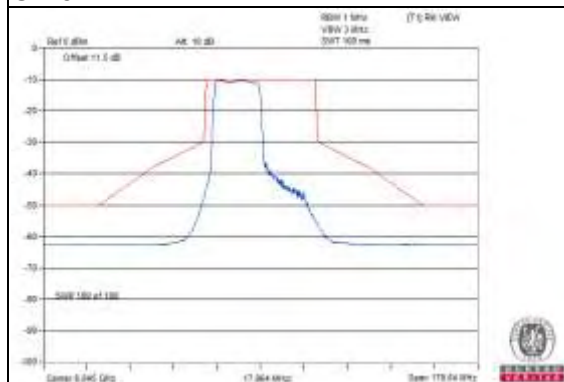
RU242



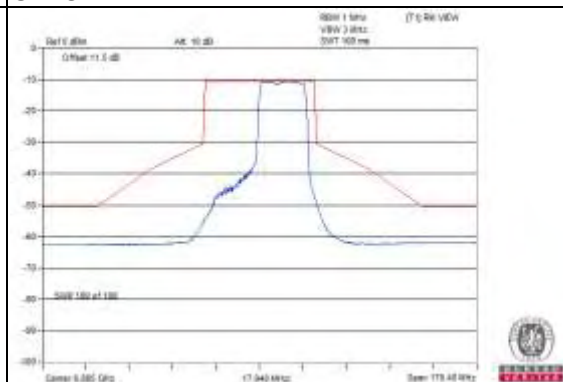
Spectrum Plot of Worst Value

Chain 0

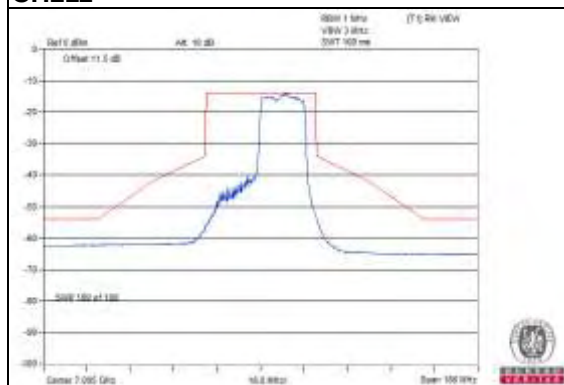
C179



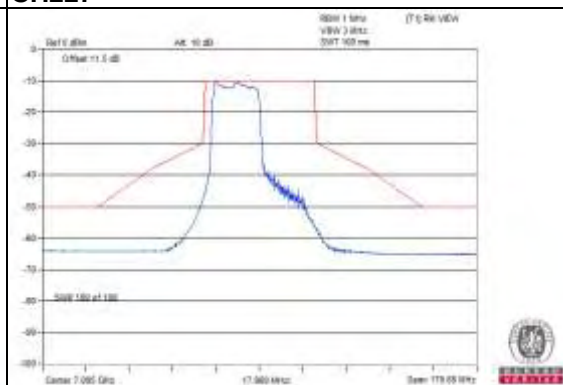
CH187



CH211



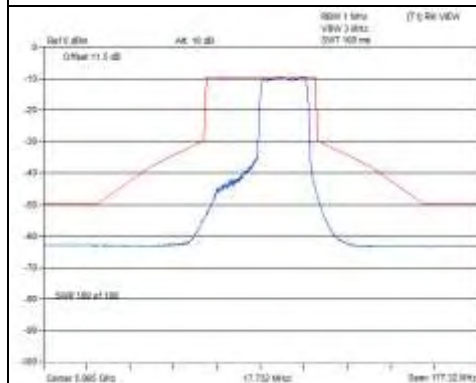
CH227



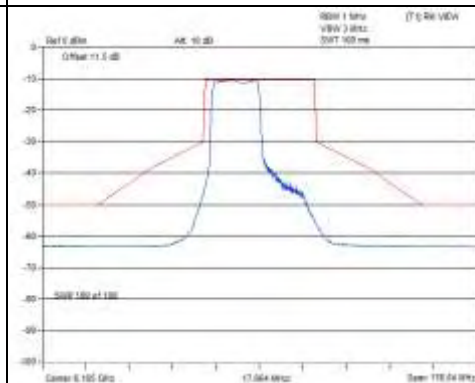
Spectrum Plot of Worst Value

Chain 1

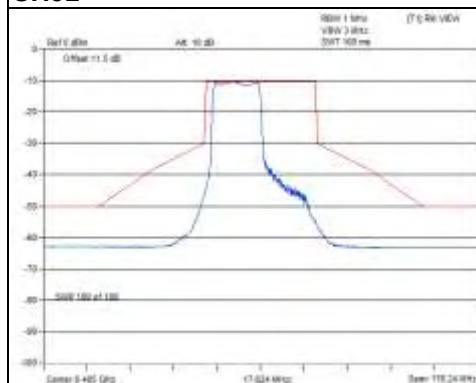
CH3



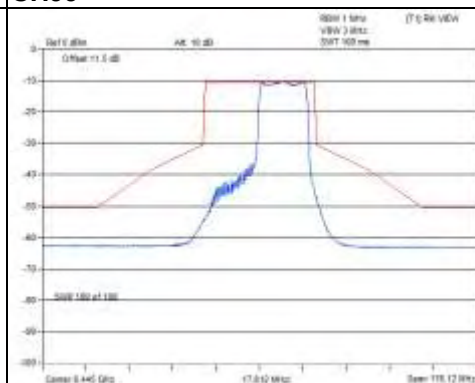
CH43



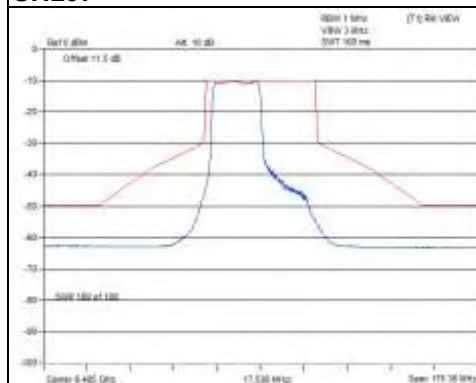
CH91



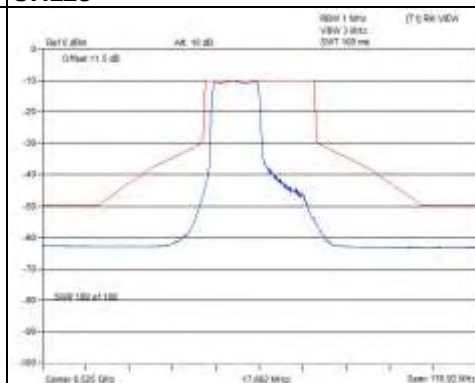
CH99



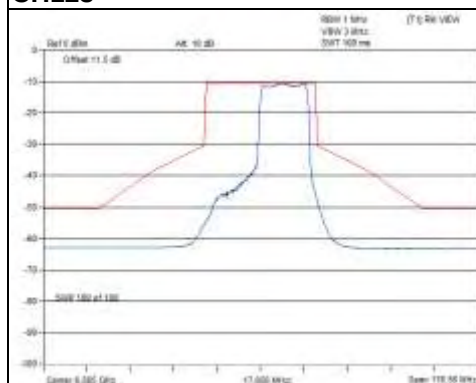
CH107



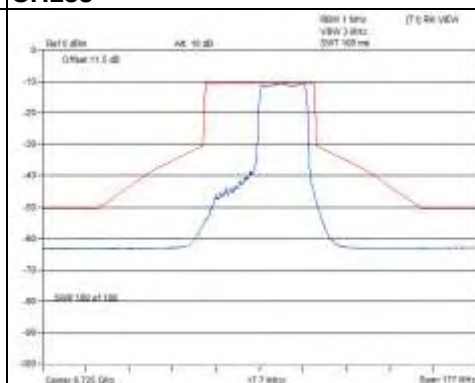
CH115



CH123



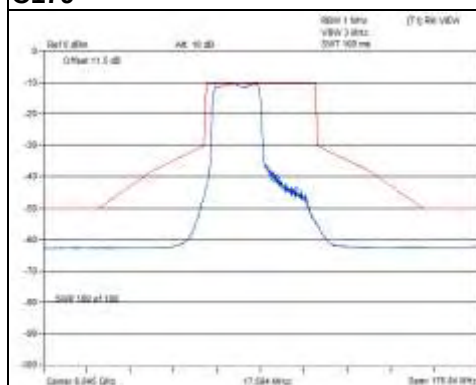
CH155



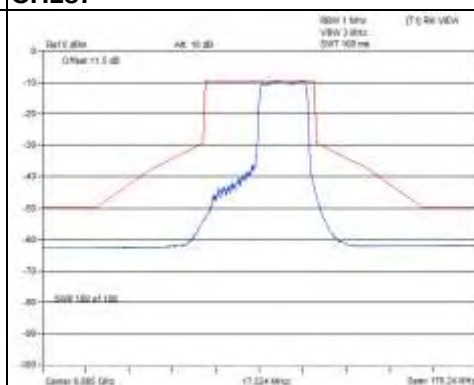
Spectrum Plot of Worst Value

Chain 1

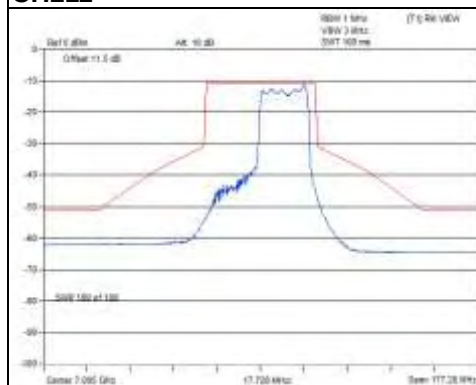
C179



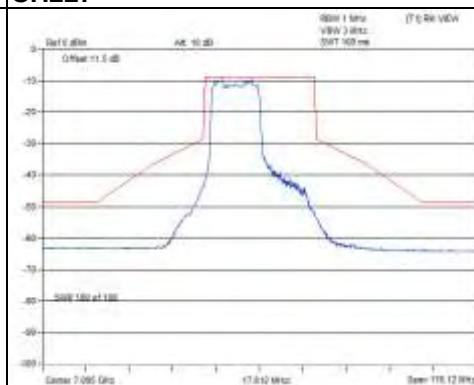
CH187



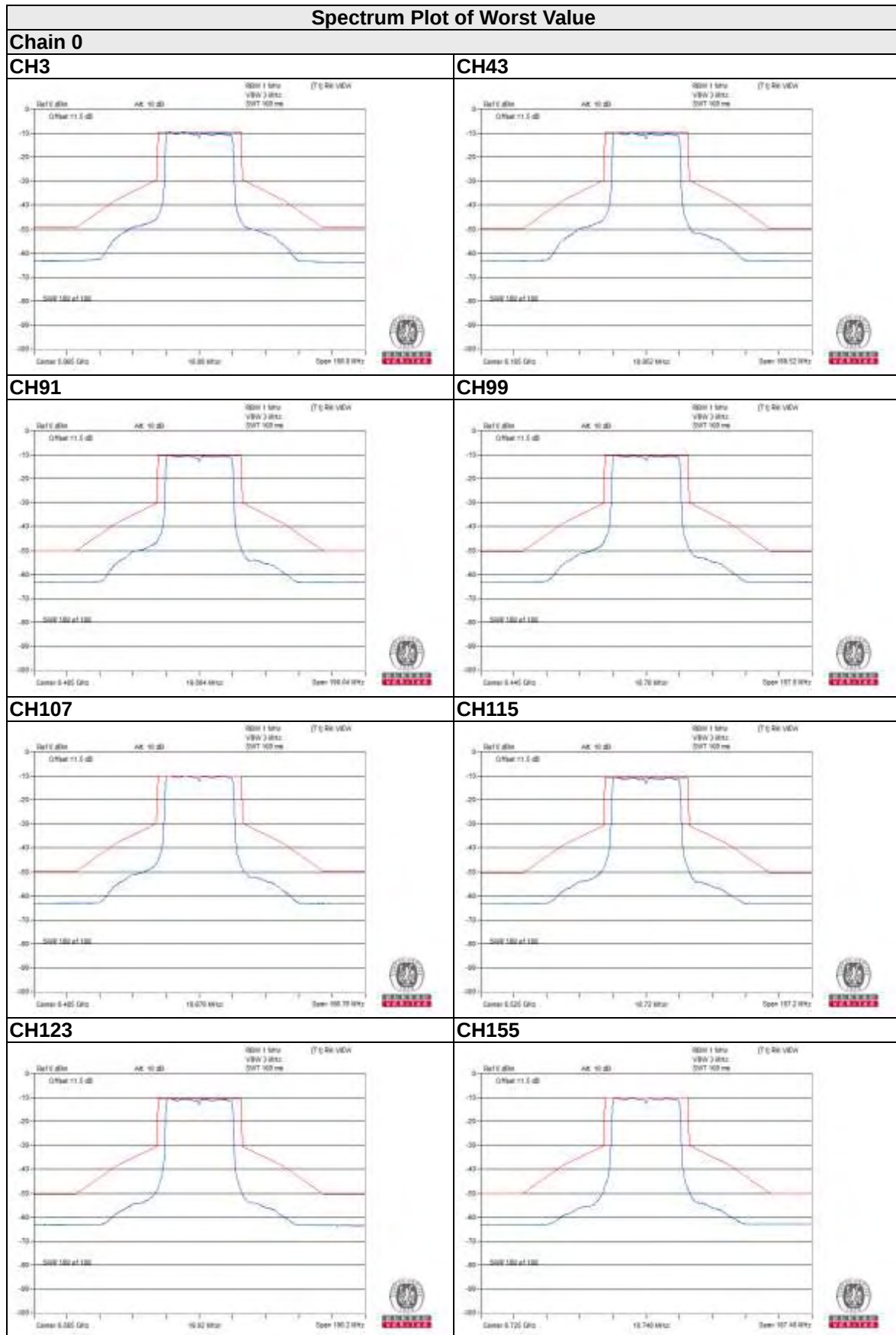
CH211



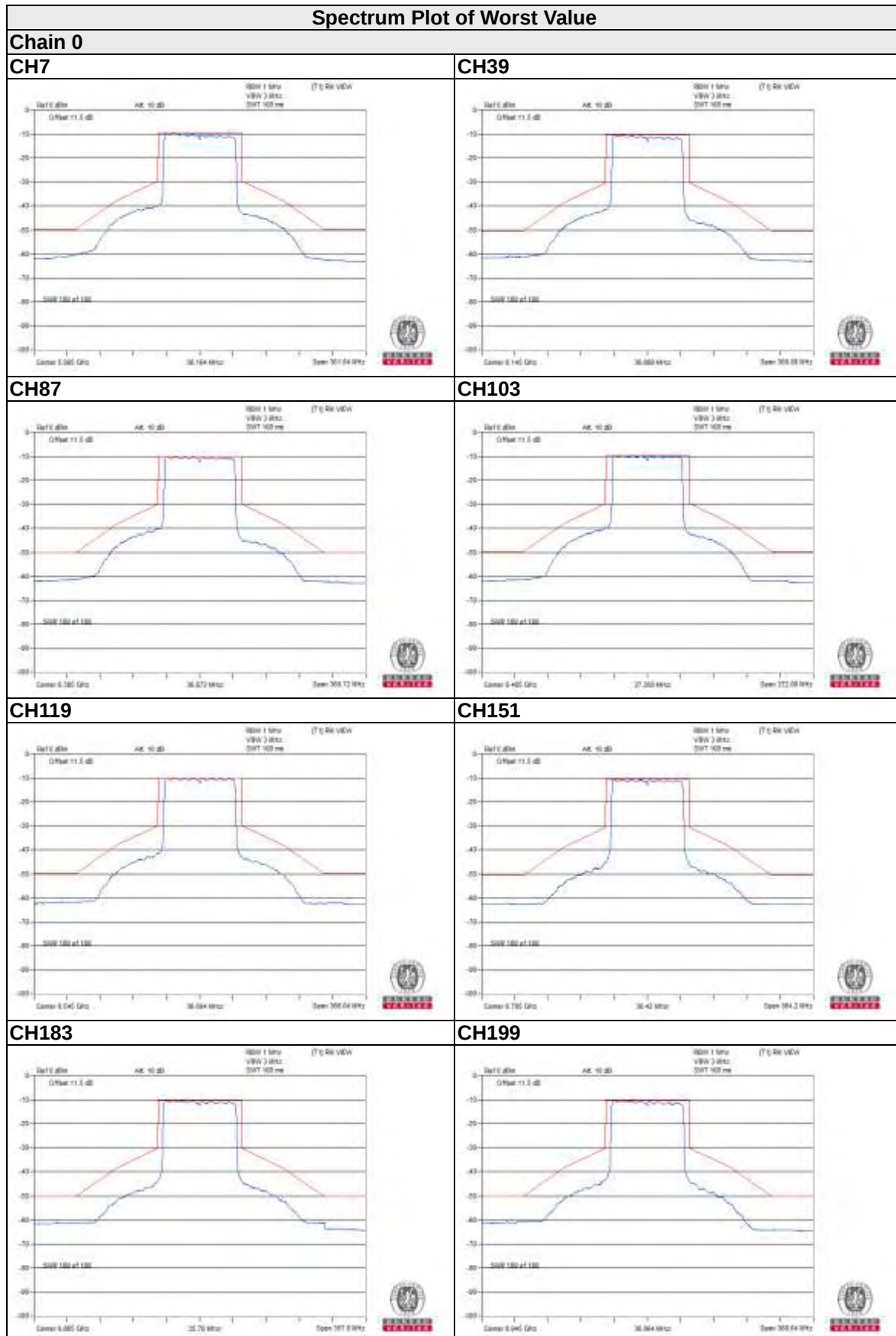
CH227

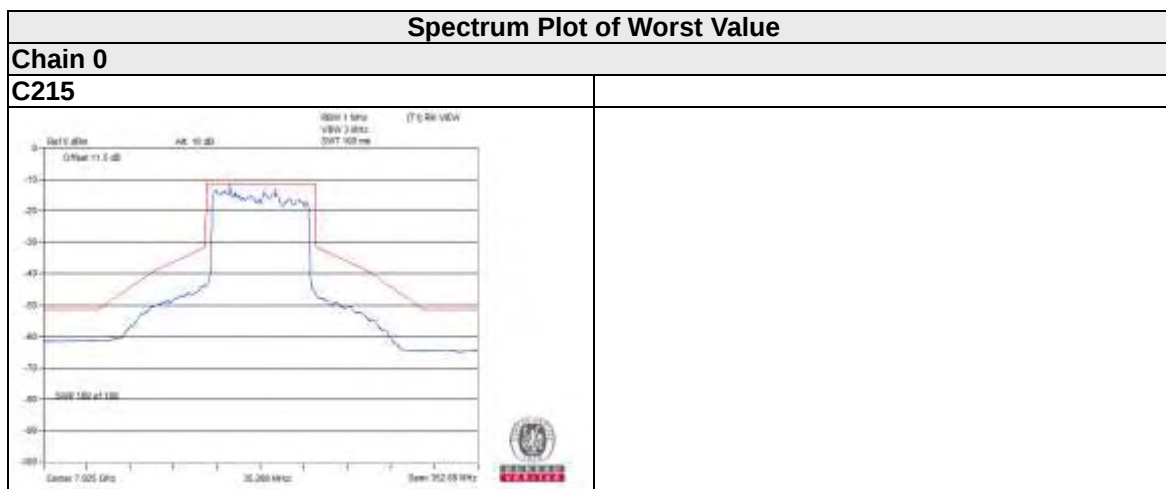


RU484



80MHz Preamble
RU996

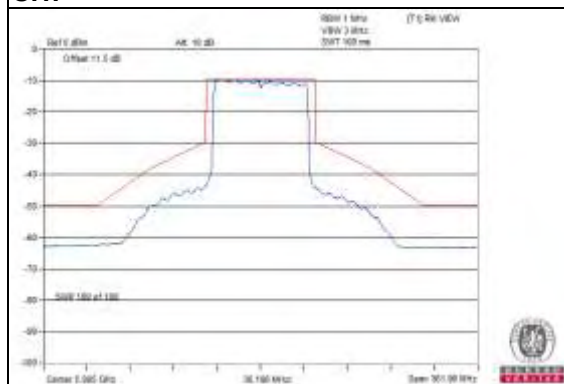




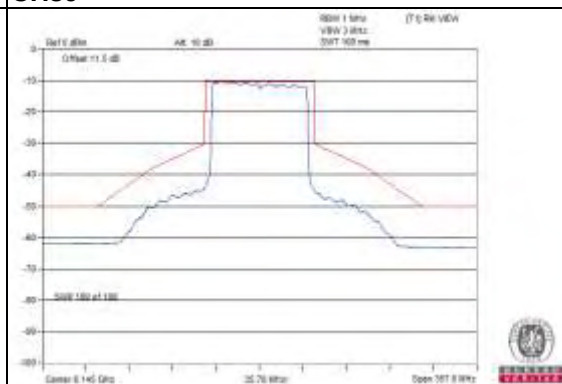
Spectrum Plot of Worst Value

Chain 1

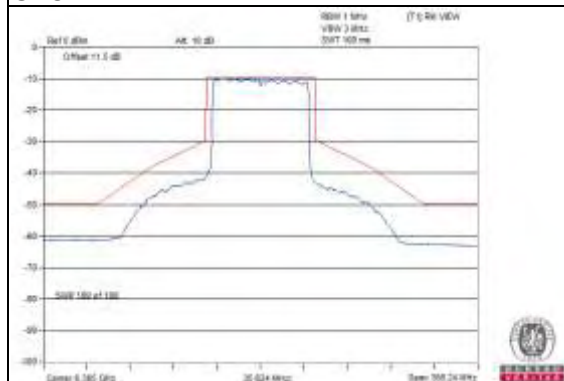
CH7



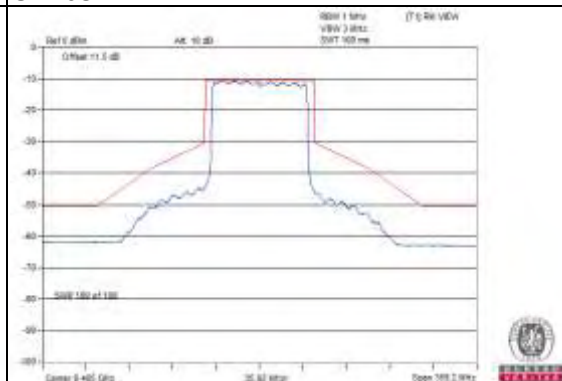
CH39



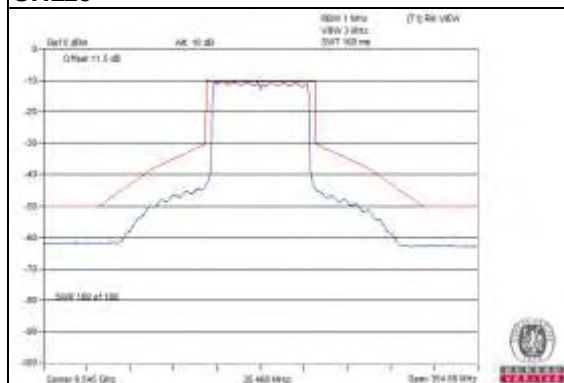
CH87



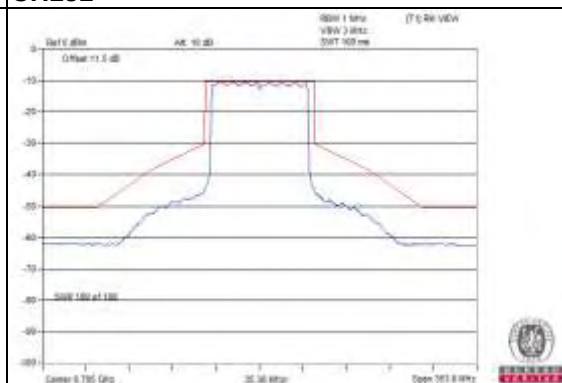
CH103



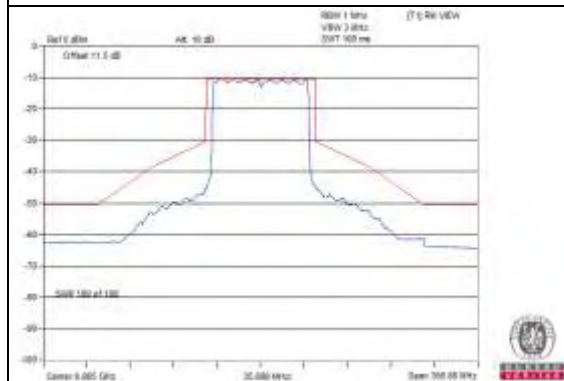
CH119



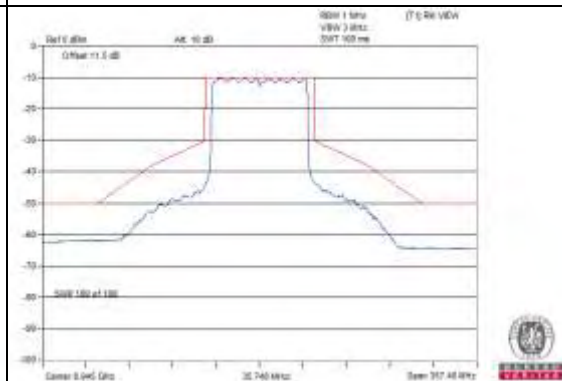
CH151

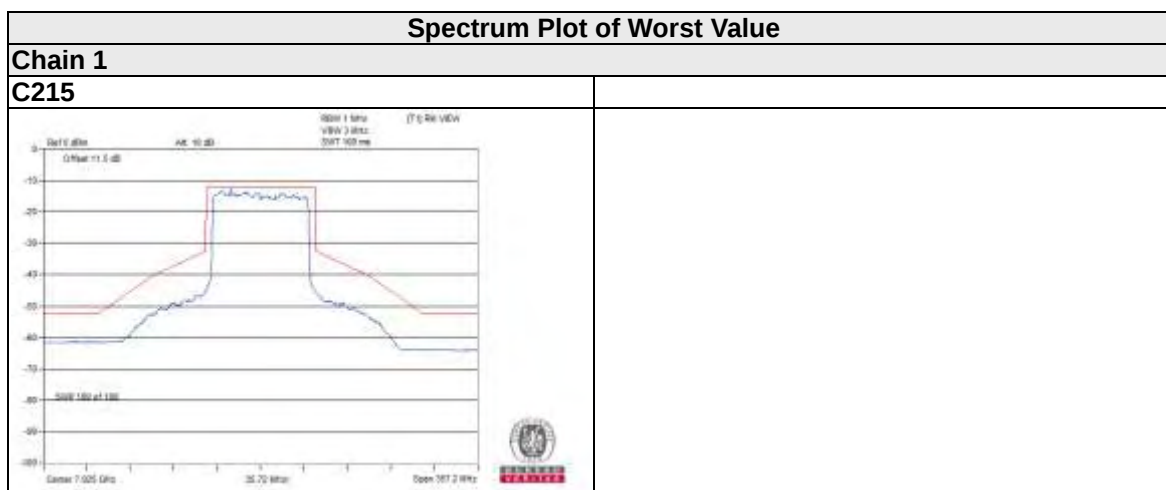


CH183

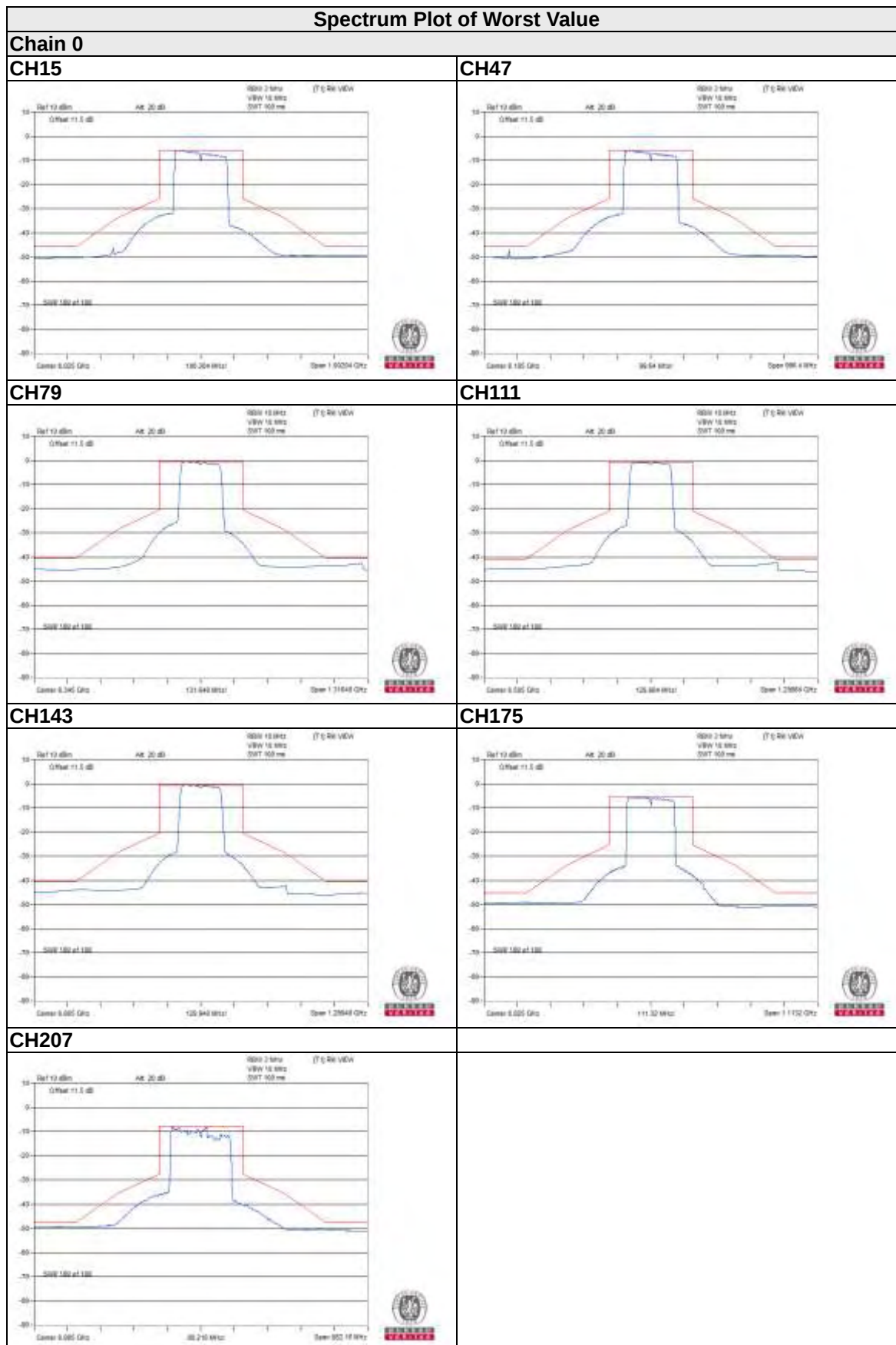


CH199





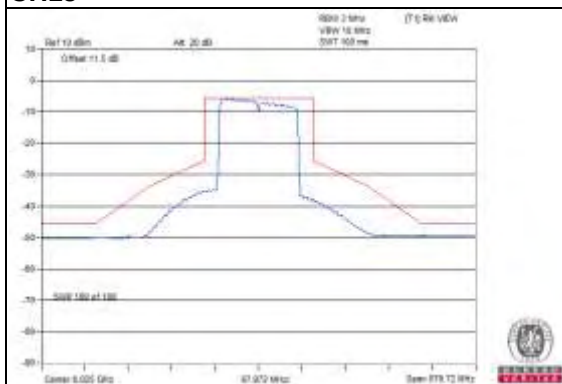
160MHz Preamble
RU1992



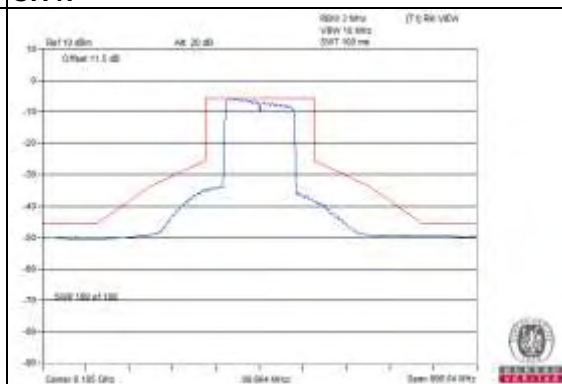
Spectrum Plot of Worst Value

Chain 1

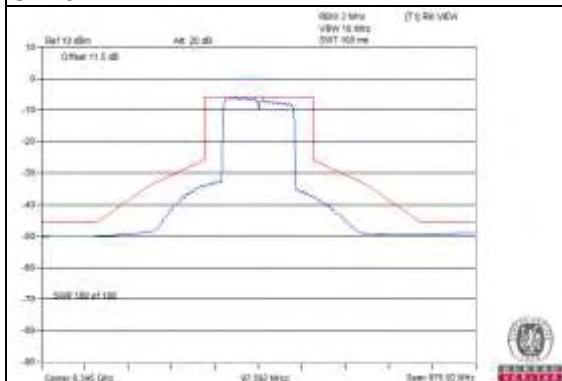
CH15



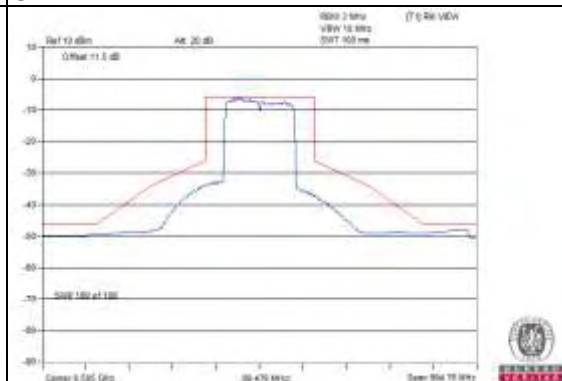
CH47



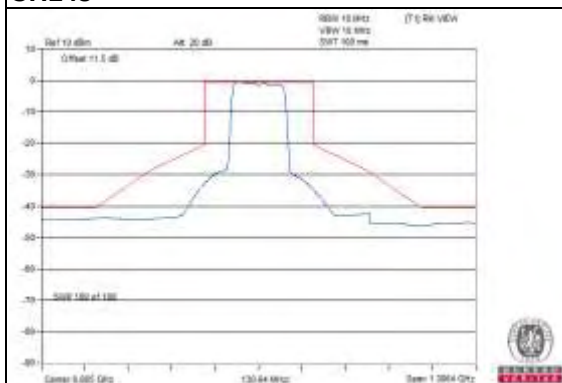
CH79



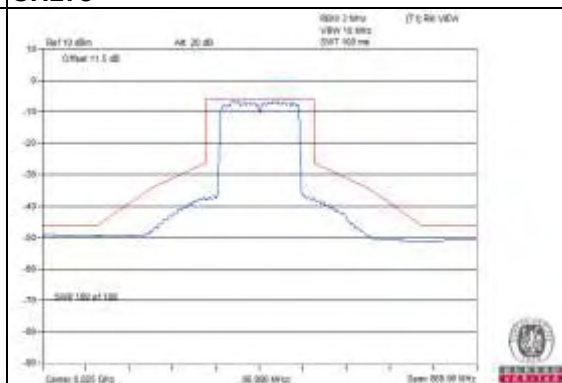
CH111



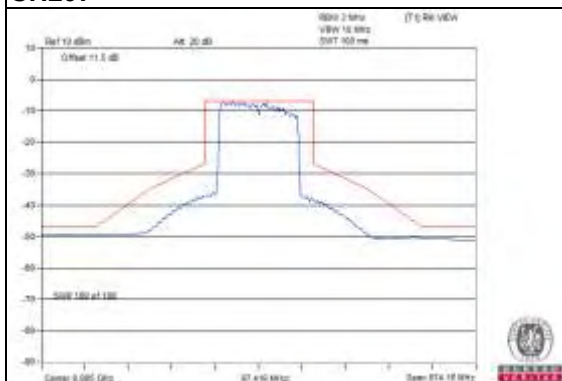
CH143



CH175



CH207



4.3 Conducted Emission Measurement

4.3.1 Limits of Conducted Emission Measurement

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 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.

4.3.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver R&S	ESCS 30	847124/029	Oct. 20, 2020	Oct. 19, 2021
Line-Impedance Stabilization Network (for EUT) R&S	ESH3-Z5	848773/004	Oct. 27, 2020	Oct. 26, 2021
Line-Impedance Stabilization Network (for Peripheral) R&S	ESH3-Z5	835239/001	Mar. 19, 2020	Mar. 18, 2021
50 ohms Terminator	50	3	Oct. 26, 2020	Oct. 25, 2021
RF Cable	5D-FB	COCCAB-001	Sep. 26, 2020	Sep. 25, 2021
Fixed attenuator EMCI	STI02-2200-10	005	Aug. 29, 2020	Aug. 28, 2021
Software BVADT	BVADT_Cond_V7.3.7.4	NA	NA	NA

Note:

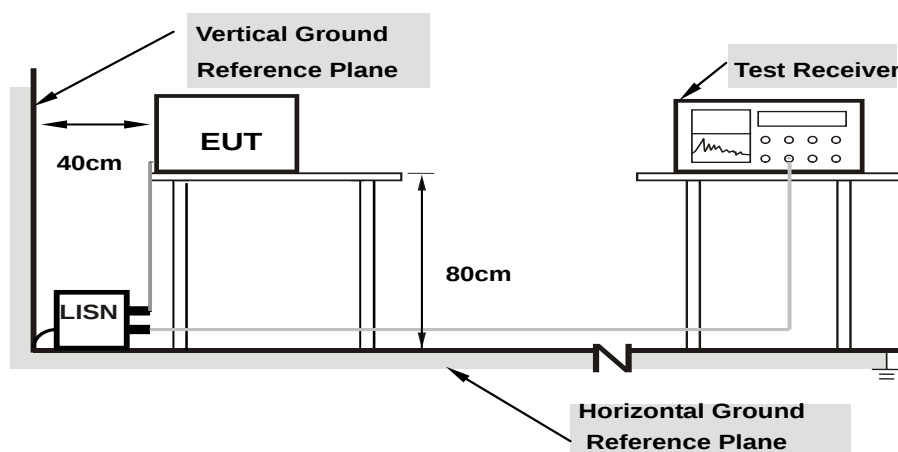
1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Conduction 1.
- 3 Tested Date: Mar. 18, 2021

4.3.3 Test Procedure

- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.3.4 Test Setup



Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.3.5 EUT Operating Condition

Same as 4.1.6.

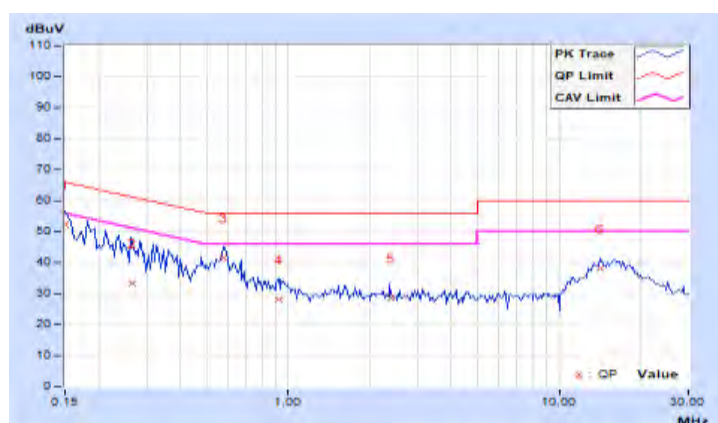
4.3.6 Test Results

RF Mode	TX 802.11a	Channel	CH 117 : 6535 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9kHz

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.96	42.22	27.72	52.18	37.68	66.00	56.00	-13.82	-18.32
2	0.26719	10.00	23.17	11.93	33.17	21.93	61.20	51.20	-28.03	-29.27
3	0.57578	10.03	31.28	22.88	41.31	32.91	56.00	46.00	-14.69	-13.09
4	0.91953	10.05	18.27	13.77	28.32	23.82	56.00	46.00	-27.68	-22.18
5	2.39844	10.17	18.47	13.63	28.64	23.80	56.00	46.00	-27.36	-22.20
6	14.13672	11.03	27.13	19.25	38.16	30.28	60.00	50.00	-21.84	-19.72

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

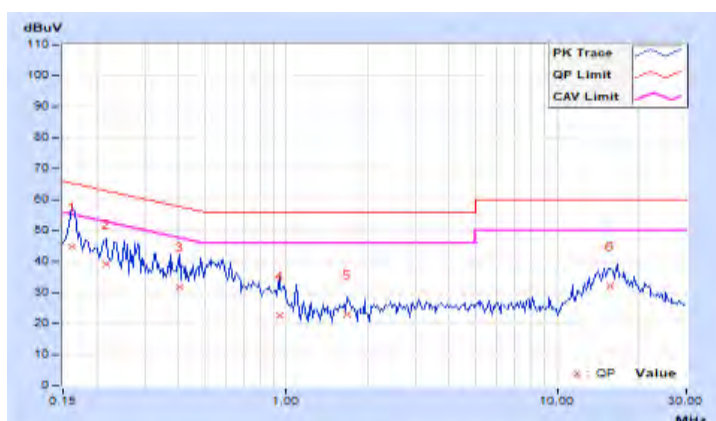


RF Mode	TX 802.11a	Channel	CH 117 : 6535 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9kHz

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16172	9.95	35.05	20.15	45.00	30.10	65.38	55.38	-20.38	-25.28
2	0.21641	9.98	29.42	14.77	39.40	24.75	62.96	52.96	-23.56	-28.21
3	0.40391	10.01	21.87	3.88	31.88	13.89	57.77	47.77	-25.89	-33.88
4	0.94297	10.06	12.39	3.22	22.45	13.28	56.00	46.00	-33.55	-32.72
5	1.67188	10.12	12.91	4.49	23.03	14.61	56.00	46.00	-32.97	-31.39
6	15.63281	10.94	21.20	16.30	32.14	27.24	60.00	50.00	-27.86	-22.76

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



4.4 Transmit Power Measurement

4.4.1 Limits of Transmit Power Measurement

Operation Band	EUT Category	Limit
		Max Average Power
U-NII-5 U-NII-6 U-NII-7 U-NII-8	Dual Client Devices (controlled of an indoor AP)	EIRP 24 dBm
U-NII-5 U-NII-7	Dual Client Devices (controlled of an standard power AP)	EIRP 30 dBm

Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

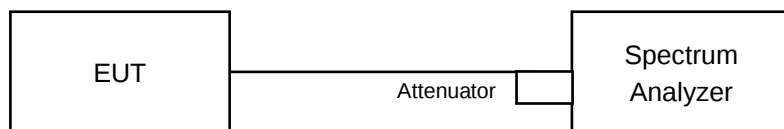
Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

For power measurements on all other devices: Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

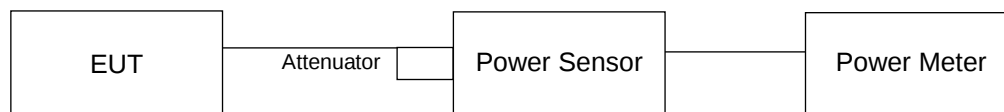
4.4.2 Test Setup

FOR POWER OUTPUT MEASUREMENT

For channel straddling 5250MHz & channel straddling 5725MHz:



For other channels:



4.4.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.4.4 Test Procedure

FOR POWER OUTPUT MEASUREMENT

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

4.4.5 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.4.6 Test Result (Mode 1)

Power Output:

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1							
2	5935	10.94	11.13	25.388	14.05	8.15	165.959	22.20	30	Pass
1	5955	18.75	18.79	150.673	21.78	8.15	984.011	29.93	30	Pass
45	6175	18.84	18.78	152.069	21.82	8.15	993.116	29.97	30	Pass
93	6415	19.30	18.23	151.641	21.81	8.15	990.832	29.96	30	Pass
117	6535	18.73	18.77	149.98	21.76	8.17	984.011	29.93	30	Pass
149	6695	18.60	18.93	150.606	21.78	8.17	988.553	29.95	30	Pass
181	6855	18.56	19.01	151.395	21.8	8.17	993.116	29.97	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1							
2	5935	-4.99	-4.63	0.6613	-1.8	8.15	4.315	6.35	30	Pass
1	5955	15.63	15.94	75.824	18.8	8.15	495.45	26.95	30	Pass
45	6175	16.08	15.84	78.922	18.97	8.15	515.229	27.12	30	Pass
93	6415	16.23	15.60	78.284	18.94	8.15	511.682	27.09	30	Pass
117	6535	15.91	15.95	78.349	18.94	8.17	514.044	27.11	30	Pass
149	6695	15.74	16.09	78.142	18.93	8.17	512.861	27.10	30	Pass
181	6855	15.73	16.07	77.869	18.91	8.17	510.505	27.08	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1							
3	5965	15.02	15.57	67.827	18.31	8.15	442.588	26.46	30	Pass
43	6165	16.23	14.53	70.355	18.47	8.15	459.198	26.62	30	Pass
91	6405	16.25	14.42	69.839	18.44	8.15	456.037	26.59	30	Pass
123	6565	15.88	15.00	70.349	18.47	8.17	461.318	26.64	30	Pass
155	6725	15.47	15.33	69.356	18.41	8.17	454.988	26.58	30	Pass
179	6845	15.49	15.39	69.994	18.45	8.17	459.198	26.62	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

- For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi
For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1							
7	5985	14.60	15.22	62.106	17.93	8.15	405.509	26.08	30	Pass
39	6145	14.76	14.90	60.826	17.84	8.15	397.192	25.99	30	Pass
87	6385	15.32	14.63	63.081	18	8.15	412.098	26.15	30	Pass
135	6625	14.61	14.89	59.739	17.76	8.17	391.742	25.93	30	Pass
151	6705	14.81	15.13	62.853	17.98	8.17	412.098	26.15	30	Pass
167	6785	14.79	15.13	62.714	17.97	8.17	411.15	26.14	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

- For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi
For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1							
15	6025	14.21	14.41	53.969	17.32	8.15	352.371	25.47	30	Pass
47	6185	14.53	14.34	55.544	17.45	8.15	363.078	25.60	30	Pass
79	6345	14.77	13.85	54.258	17.34	8.15	353.997	25.49	30	Pass
143	6665	14.47	14.40	55.532	17.45	8.17	364.754	25.62	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

- For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi
For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

20MHz Preamble

802.11ax (RU26)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
26/0	2	5935	-15.04	-15.89	0.0571	-12.43	8.15	0.373	-4.28	30	Pass
26/0	1	5955	10.19	10.42	21.463	13.32	8.15	140.281	21.47	30	Pass
26/4	45	6175	10.45	10.12	21.372	13.3	8.15	139.637	21.45	30	Pass
26/8	93	6415	10.53	10.17	21.697	13.36	8.15	141.579	21.51	30	Pass
26/0	117	6535	10.36	10.55	22.214	13.47	8.17	145.881	21.64	30	Pass
26/4	149	6695	10.41	10.18	21.413	13.31	8.17	140.605	21.48	30	Pass
26/8	181	6855	10.50	9.95	21.106	13.24	8.17	138.357	21.41	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (RU52)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
52/37	2	5935	-12.16	-12.91	0.11198	-9.51	8.15	0.731	-1.36	30	Pass
52/37	1	5955	13.16	13.45	42.832	16.32	8.15	279.898	24.47	30	Pass
52/38	45	6175	12.82	12.69	37.721	15.77	8.15	246.604	23.92	30	Pass
52/40	93	6415	12.79	12.76	37.891	15.79	8.15	247.742	23.94	30	Pass
52/37	117	6535	12.67	13.04	38.63	15.87	8.17	253.513	24.04	30	Pass
52/38	149	6695	13.04	12.55	38.126	15.81	8.17	250.035	23.98	30	Pass
52/40	181	6855	13.10	12.61	38.656	15.87	8.17	253.513	24.04	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (RU106)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
106/53	2	5935	-11.55	-11.69	0.13775	-8.61	8.15	0.899	-0.46	30	Pass
106/53	1	5955	14.36	14.15	53.291	17.27	8.15	348.337	25.42	30	Pass
106/53	45	6175	14.30	14.59	55.689	17.46	8.15	363.915	25.61	30	Pass
106/54	93	6415	14.05	14.53	53.789	17.31	8.15	351.56	25.46	30	Pass
106/53	117	6535	14.21	14.35	53.59	17.29	8.17	351.56	25.46	30	Pass
106/54	149	6695	14.43	14.47	55.723	17.46	8.17	365.595	25.63	30	Pass
106/54	181	6855	14.38	14.22	53.84	17.31	8.17	353.183	25.48	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (RU242)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
242/61	2	5935	-8.66	-8.77	0.2689	-5.7	8.15	1.758	2.45	30	Pass
242/61	1	5955	14.71	14.24	56.126	17.49	8.15	366.438	25.64	30	Pass
242/61	45	6175	14.28	14.47	54.781	17.39	8.15	358.096	25.54	30	Pass
242/61	93	6415	14.10	14.41	53.31	17.27	8.15	348.337	25.42	30	Pass
242/61	117	6535	14.41	14.44	55.403	17.44	8.17	363.915	25.61	30	Pass
242/61	149	6695	14.44	14.36	55.087	17.41	8.17	361.41	25.58	30	Pass
242/61	181	6855	14.46	14.32	54.965	17.4	8.17	360.579	25.57	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

40MHz Preamble

802.11ax (RU26)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
26/9	3	5965	9.87	10.95	22.15	13.45	8.15	144.544	21.60	30	Pass
26/27	43	6165	10.33	10.17	21.189	13.26	8.15	138.357	21.41	30	Pass
26/27	91	6405	10.06	10.45	21.231	13.27	8.15	138.676	21.42	30	Pass
26/9	123	6565	9.91	10.66	21.436	13.31	8.17	140.605	21.48	30	Pass
26/9	155	6725	9.96	9.53	18.883	12.76	8.17	123.88	20.93	30	Pass
26/27	179	6845	10.16	9.56	19.412	12.88	8.17	127.35	21.05	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (RU52)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
52/41	3	5965	12.64	13.95	43.197	16.35	8.15	281.838	24.50	30	Pass
52/48	43	6165	13.25	13.26	42.319	16.27	8.15	276.694	24.42	30	Pass
52/48	91	6405	13.03	13.58	42.894	16.32	8.15	279.898	24.47	30	Pass
52/41	123	6565	12.26	13.25	37.962	15.79	8.17	248.886	23.96	30	Pass
52/41	155	6725	12.39	12.14	33.706	15.28	8.17	221.309	23.45	30	Pass
52/48	179	6845	13.16	12.58	38.815	15.89	8.17	254.683	24.06	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (RU106)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
106/55	3	5965	13.83	14.70	53.667	17.3	8.15	350.752	25.45	30	Pass
106/58	43	6165	14.03	14.61	54.2	17.34	8.15	353.997	25.49	30	Pass
106/58	91	6405	13.80	14.76	53.911	17.32	8.15	352.371	25.47	30	Pass
106/55	123	6565	13.98	14.52	53.317	17.27	8.17	349.945	25.44	30	Pass
106/55	155	6725	14.16	14.43	53.795	17.31	8.17	353.183	25.48	30	Pass
106/58	179	6845	14.41	14.24	54.152	17.34	8.17	355.631	25.51	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (RU242)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
242/63	3	5965	14.11	14.73	55.48	17.44	8.15	362.243	25.59	30	Pass
242/62	43	6165	14.50	14.42	55.853	17.47	8.15	364.754	25.62	30	Pass
242/62	91	6405	13.52	15.12	54.999	17.4	8.15	358.922	25.55	30	Pass
242/63	123	6565	14.13	14.66	55.124	17.41	8.17	361.41	25.58	30	Pass
242/63	155	6725	14.31	14.59	55.751	17.46	8.17	365.595	25.63	30	Pass
242/62	179	6845	14.52	14.44	56.111	17.49	8.17	368.129	25.66	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (RU484)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
484/65	3	5965	14.60	14.34	56.005	17.48	8.15	365.595	25.63	30	Pass
484/65	43	6165	14.25	14.40	54.15	17.34	8.15	353.997	25.49	30	Pass
484/65	91	6405	13.96	14.61	53.795	17.31	8.15	351.56	25.46	30	Pass
484/65	123	6565	14.10	14.60	54.544	17.37	8.17	358.096	25.54	30	Pass
484/65	155	6725	14.39	14.44	55.276	17.43	8.17	363.078	25.60	30	Pass
484/65	179	6845	14.16	14.47	54.051	17.33	8.17	354.813	25.50	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

80MHz Preamble

802.11ax (RU996)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
996/67	7	5985	14.36	14.52	55.604	17.45	8.15	363.078	25.60	30	Pass
996/67	39	6145	14.28	14.48	54.846	17.39	8.15	358.096	25.54	30	Pass
996/67	87	6385	14.19	14.32	53.282	17.27	8.15	348.337	25.42	30	Pass
996/67	135	6625	14.29	14.24	53.4	17.28	8.17	350.752	25.45	30	Pass
996/67	151	6705	14.27	14.22	53.154	17.26	8.17	349.14	25.43	30	Pass
996/67	167	6785	14.51	14.32	55.288	17.43	8.17	363.078	25.60	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

160MHz Preamble

802.11ax (RU1992)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
1992/68	15	6025	12.86	12.41	36.738	15.65	8.15	239.883	23.80	30	Pass
1992/68	47	6185	14.64	14.20	55.41	17.44	8.15	362.243	25.59	30	Pass
1992/68	79	6345	14.76	14.16	55.984	17.48	8.15	365.595	25.63	30	Pass
1992/68	143	6665	14.56	14.39	56.055	17.49	8.17	368.129	25.66	30	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

4.4.7 Test Result (Mode 2)

Power Output:

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1							
2	5935	-2.28	-1.94	1.2313	0.9	8.15	8.035	9.05	24	Pass
1	5955	-0.71	-1.06	1.6326	2.13	8.15	10.666	10.28	24	Pass
45	6175	-0.73	-1.40	1.5697	1.96	8.15	10.257	10.11	24	Pass
93	6415	-0.33	-0.12	1.8996	2.79	8.15	12.417	10.94	24	Pass
97	6435	-0.37	-0.13	1.8888	2.76	8.1	12.19	10.86	24	Pass
105	6475	-0.53	-1.40	1.6096	2.07	8.1	10.399	10.17	24	Pass
113	6515	-0.54	-1.67	1.5638	1.94	8.1	10.093	10.04	24	Pass
117	6535	-1.04	-0.75	1.6284	2.12	8.17	10.691	10.29	24	Pass
149	6695	-0.99	-0.89	1.6109	2.07	8.17	10.568	10.24	24	Pass
181	6855	-1.33	-1.01	1.5287	1.84	8.17	10.023	10.01	24	Pass
185	6875	-0.61	-0.28	1.8065	2.57	8.13	11.749	10.70	24	Pass
209	6995	-0.89	-0.31	1.7458	2.42	8.13	11.35	10.55	24	Pass
229	7095	-0.49	0.33	1.9723	2.95	8.13	12.823	11.08	24	Pass
233	7115	-0.86	0.22	1.8723	2.72	8.13	12.162	10.85	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1							
2	5935	-4.99	-4.63	0.6613	-1.8	8.15	4.315	6.35	24	Pass
1	5955	0.38	0.45	2.201	3.43	8.15	14.388	11.58	24	Pass
45	6175	-0.12	-0.68	1.8278	2.62	8.15	11.94	10.77	24	Pass
93	6415	0.46	0.49	2.231	3.48	8.15	14.555	11.63	24	Pass
97	6435	0.24	0.44	2.163	3.35	8.1	13.964	11.45	24	Pass
105	6475	1.61	0.33	2.528	4.03	8.1	16.331	12.13	24	Pass
113	6515	1.55	0.21	2.478	3.94	8.1	15.996	12.04	24	Pass
117	6535	1.65	0.34	2.544	4.06	8.17	16.711	12.23	24	Pass
149	6695	-0.16	-0.23	1.9122	2.82	8.17	12.56	10.99	24	Pass
181	6855	-0.31	-0.04	1.9219	2.84	8.17	12.618	11.01	24	Pass
185	6875	-0.14	0.34	2.0497	3.12	8.13	13.335	11.25	24	Pass
209	6995	-0.53	0.31	1.9591	2.92	8.13	12.735	11.05	24	Pass
229	7095	0.31	1.54	2.5	3.98	8.13	16.255	12.11	24	Pass
233	7115	-3.35	-2.06	1.0847	0.35	8.13	7.047	8.48	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

- For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$
For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$
For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$
For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1							
3	5965	2.68	2.45	3.611	5.58	8.15	23.605	13.73	24	Pass
43	6165	3.77	3.44	4.59	6.62	8.15	29.992	14.77	24	Pass
91	6405	3.83	3.65	4.733	6.75	8.15	30.903	14.90	24	Pass
99	6445	4.32	3.95	5.187	7.15	8.1	33.497	15.25	24	Pass
107	6485	4.11	4.12	5.159	7.13	8.1	33.343	15.23	24	Pass
115	6525	4.15	3.99	5.106	7.08	8.17	33.497	15.25	24	Pass
123	6565	4.21	3.84	5.057	7.04	8.17	33.189	15.21	24	Pass
155	6725	2.99	3.64	4.303	6.34	8.17	28.249	14.51	24	Pass
179	6845	3.36	3.45	4.381	6.42	8.17	28.774	14.59	24	Pass
187	6885	3.42	4.08	4.756	6.77	8.13	30.903	14.90	24	Pass
211	7005	2.81	4.17	4.522	6.55	8.13	29.376	14.68	24	Pass
227	7085	3.27	4.52	4.955	6.95	8.13	32.211	15.08	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

- For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$
 For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$
 For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$
 For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1							
7	5985	5.91	5.44	7.399	8.69	8.15	48.306	16.84	24	Pass
39	6145	6.39	5.53	7.928	8.99	8.15	51.761	17.14	24	Pass
87	6385	6.45	5.71	8.14	9.11	8.15	53.211	17.26	24	Pass
103	6465	7.51	6.37	9.971	9.99	8.1	64.417	18.09	24	Pass
119	6545	6.44	6.11	8.489	9.29	8.17	55.719	17.46	24	Pass
151	6705	5.65	5.43	7.164	8.55	8.17	46.989	16.72	24	Pass
183	6865	5.72	5.61	7.372	8.68	8.17	48.417	16.85	24	Pass
199	6945	5.45	6.03	7.516	8.76	8.13	48.865	16.89	24	Pass
215	7025	5.62	5.88	7.52	8.76	8.13	48.865	16.89	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
		Chain 0	Chain 1							
15	6025	7.49	7.77	11.595	10.64	8.15	75.683	18.79	24	Pass
47	6185	7.60	7.12	10.907	10.38	8.15	71.285	18.53	24	Pass
79	6345	8.23	6.87	11.517	10.61	8.15	75.162	18.76	24	Pass
111	6505	7.51	7.56	11.338	10.55	8.1	73.282	18.65	24	Pass
143	6665	7.76	7.61	11.738	10.7	8.17	77.09	18.87	24	Pass
175	6825	7.31	6.98	10.372	10.16	8.17	68.077	18.33	24	Pass
207	6985	7.34	7.61	11.188	10.49	8.13	72.778	18.62	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

20MHz Preamble
802.11ax (RU26)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
26/0	2	5935	-15.04	-15.89	0.0571	-12.43	8.15	0.373	-4.28	24	Pass
26/0	1	5955	-7.23	-6.26	0.4258	-3.71	8.15	2.78	4.44	24	Pass
26/4	45	6175	-6.37	-6.82	0.4386	-3.58	8.15	2.864	4.57	24	Pass
26/8	93	6415	-7.08	-7.13	0.3895	-4.09	8.15	2.547	4.06	24	Pass
26/0	97	6435	-7.22	-7.43	0.3704	-4.31	8.1	2.393	3.79	24	Pass
26/4	105	6475	-6.03	-6.67	0.4647	-3.33	8.1	2.999	4.77	24	Pass
26/8	113	6515	-6.32	-7.45	0.4132	-3.84	8.1	2.667	4.26	24	Pass
26/0	117	6535	-6.61	-7.12	0.4124	-3.85	8.17	2.704	4.32	24	Pass
26/4	149	6695	-6.22	-6.46	0.4647	-3.33	8.17	3.048	4.84	24	Pass
26/8	181	6855	-7.34	-6.70	0.3983	-4	8.17	2.612	4.17	24	Pass
26/8	185	6875	-7.81	-6.82	0.3735	-4.28	8.13	2.427	3.85	24	Pass
26/0	209	6995	-6.36	-7.54	0.4074	-3.9	8.13	2.649	4.23	24	Pass
26/4	229	7095	-5.62	-5.31	0.5686	-2.45	8.13	3.698	5.68	24	Pass
26/8	233	7115	-15.96	-15.52	0.05341	-12.72	8.13	0.348	-4.59	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

- For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$
For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$
For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$
For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

802.11ax (RU52)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
52/37	2	5935	-12.16	-12.91	0.11198	-9.51	8.15	0.731	-1.36	24	Pass
52/37	1	5955	-2.73	-6.41	0.7619	-1.18	8.15	4.977	6.97	24	Pass
52/38	45	6175	-4.31	-4.58	0.719	-1.43	8.15	4.699	6.72	24	Pass
52/40	93	6415	-4.58	-4.45	0.7073	-1.5	8.15	4.624	6.65	24	Pass
52/37	97	6435	-4.24	-5.17	0.6808	-1.67	8.1	4.395	6.43	24	Pass
52/38	105	6475	-4.18	-4.77	0.7154	-1.45	8.1	4.624	6.65	24	Pass
52/40	113	6515	-4.03	-4.91	0.7182	-1.44	8.1	4.634	6.66	24	Pass
52/37	117	6535	-4.32	-5.09	0.6796	-1.68	8.17	4.457	6.49	24	Pass
52/38	149	6695	-4.83	-4.65	0.6716	-1.73	8.17	4.406	6.44	24	Pass
52/40	181	6855	-4.71	-4.08	0.7289	-1.37	8.17	4.786	6.80	24	Pass
52/40	185	6875	-4.98	-4.21	0.697	-1.57	8.13	4.529	6.56	24	Pass
52/37	209	6995	-4.12	-5.16	0.692	-1.6	8.13	4.498	6.53	24	Pass
52/38	229	7095	-4.37	-3.28	0.8355	-0.78	8.13	5.433	7.35	24	Pass
52/40	233	7115	-12.38	-12.85	0.10969	-9.6	8.13	0.713	-1.47	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

- For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$
For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$
For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$
For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

802.11ax (RU106)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
106/53	2	5935	-11.55	-11.69	0.13775	-8.61	8.15	0.899	-0.46	24	Pass
106/53	1	5955	-0.53	-3.79	1.3029	1.15	8.15	8.511	9.30	24	Pass
106/53	45	6175	-0.17	-2.08	1.5811	1.99	8.15	10.328	10.14	24	Pass
106/54	93	6415	-1.46	-1.75	1.3828	1.41	8.15	9.036	9.56	24	Pass
106/53	97	6435	-1.32	-1.72	1.4109	1.49	8.1	9.099	9.59	24	Pass
106/53	105	6475	-0.48	-2.23	1.4938	1.74	8.1	9.638	9.84	24	Pass
106/54	113	6515	-0.26	-2.58	1.494	1.74	8.1	9.638	9.84	24	Pass
106/53	117	6535	-0.54	-2.13	1.4954	1.75	8.17	9.817	9.92	24	Pass
106/54	149	6695	-1.16	-1.85	1.4187	1.52	8.17	9.311	9.69	24	Pass
106/54	181	6855	-1.32	-1.59	1.4313	1.56	8.17	9.397	9.73	24	Pass
106/54	185	6875	-1.70	-1.53	1.3792	1.4	8.13	8.974	9.53	24	Pass
106/53	209	6995	-1.74	-0.86	1.4902	1.73	8.13	9.683	9.86	24	Pass
106/54	229	7095	-0.82	0.16	1.8655	2.71	8.13	12.134	10.84	24	Pass
106/54	233	7115	-11.48	-11.82	0.13689	-8.64	8.13	0.889	-0.51	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

- For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$
For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$
For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$
For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

802.11ax (RU242)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
242/61	2	5935	-8.66	-8.77	0.2689	-5.7	8.15	1.758	2.45	24	Pass
242/61	1	5955	2.17	2.08	3.263	5.14	8.15	21.33	13.29	24	Pass
242/61	45	6175	2.10	1.59	3.064	4.86	8.15	19.999	13.01	24	Pass
242/61	93	6415	2.31	1.65	3.164	5	8.15	20.654	13.15	24	Pass
242/61	97	6435	2.50	2.32	3.484	5.42	8.1	22.491	13.52	24	Pass
242/61	105	6475	3.30	2.09	3.756	5.75	8.1	24.266	13.85	24	Pass
242/61	113	6515	2.91	0.86	3.173	5.01	8.1	20.464	13.11	24	Pass
242/61	117	6535	2.92	1.60	3.404	5.32	8.17	22.336	13.49	24	Pass
242/61	149	6695	2.36	1.51	3.138	4.97	8.17	20.606	13.14	24	Pass
242/61	181	6855	2.21	2.14	3.3	5.19	8.17	21.677	13.36	24	Pass
242/61	185	6875	2.44	2.48	3.524	5.47	8.13	22.909	13.60	24	Pass
242/61	209	6995	1.81	2.58	3.328	5.22	8.13	21.627	13.35	24	Pass
242/61	229	7095	3.25	4.16	4.72	6.74	8.13	30.69	14.87	24	Pass
242/61	233	7115	-8.53	-8.86	0.2703	-5.68	8.13	1.758	2.45	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

- For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$
For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$
For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$
For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

40MHz Preamble

802.11ax (RU26)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
26/9	3	5965	-6.82	-7.14	0.4012	-3.97	8.15	2.618	4.18	24	Pass
26/27	43	6165	-6.81	-7.27	0.3959	-4.02	8.15	2.588	4.13	24	Pass
26/27	91	6405	-7.01	-6.88	0.4042	-3.93	8.15	2.642	4.22	24	Pass
26/9	99	6445	-6.36	-7.44	0.4115	-3.86	8.1	2.655	4.24	24	Pass
26/27	107	6485	-6.59	-7.83	0.3841	-4.16	8.1	2.477	3.94	24	Pass
26/27	115	6525	-7.37	-7.09	0.3787	-4.22	8.17	2.483	3.95	24	Pass
26/9	123	6565	-6.94	-8.06	0.3586	-4.45	8.17	2.355	3.72	24	Pass
26/9	155	6725	-6.87	-7.81	0.3712	-4.3	8.17	2.438	3.87	24	Pass
26/27	179	6845	-7.20	-6.92	0.3938	-4.05	8.17	2.582	4.12	24	Pass
26/9	187	6885	-6.45	-7.12	0.4206	-3.76	8.13	2.735	4.37	24	Pass
26/9	211	7005	-6.32	-7.43	0.4141	-3.83	8.13	2.692	4.30	24	Pass
26/27	227	7085	-6.68	-5.88	0.473	-3.25	8.13	3.076	4.88	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

- For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$
 For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$
 For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$
 For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

802.11ax (RU52)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
52/41	3	5965	-3.66	-4.48	0.787	-1.04	8.15	5.14	7.11	24	Pass
52/48	43	6165	-4.43	-4.56	0.7105	-1.48	8.15	4.645	6.67	24	Pass
52/48	91	6405	-4.13	-3.62	0.8209	-0.86	8.15	5.358	7.29	24	Pass
52/41	99	6445	-3.85	-4.94	0.7327	-1.35	8.1	4.732	6.75	24	Pass
52/41	107	6485	-3.73	-4.46	0.7817	-1.07	8.1	5.047	7.03	24	Pass
52/48	115	6525	-4.89	-4.34	0.6925	-1.6	8.17	4.539	6.57	24	Pass
52/41	123	6565	-4.09	-5.05	0.7025	-1.53	8.17	4.613	6.64	24	Pass
52/41	155	6725	-4.16	-5.17	0.6878	-1.63	8.17	4.508	6.54	24	Pass
52/48	179	6845	-4.89	-4.36	0.6908	-1.61	8.17	4.529	6.56	24	Pass
52/41	187	6885	-4.22	-5.25	0.677	-1.69	8.13	4.406	6.44	24	Pass
52/41	211	7005	-3.90	-3.63	0.8409	-0.75	8.13	5.47	7.38	24	Pass
52/48	227	7085	-3.85	-2.76	0.9418	-0.26	8.13	6.124	7.87	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

- For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi
 For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi
 For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi
 For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

802.11ax (RU106)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
106/55	3	5965	-1.03	-1.22	1.544	1.89	8.15	10.093	10.04	24	Pass
106/58	43	6165	-0.39	-2.36	1.4949	1.75	8.15	9.772	9.90	24	Pass
106/58	91	6405	-0.67	-1.30	1.5983	2.04	8.15	10.447	10.19	24	Pass
106/55	99	6445	-0.34	-2.03	1.5513	1.91	8.1	10.023	10.01	24	Pass
106/58	107	6485	-0.63	-2.39	1.4417	1.59	8.1	9.311	9.69	24	Pass
106/58	115	6525	-0.56	-1.92	1.5217	1.82	8.17	9.977	9.99	24	Pass
106/55	123	6565	-0.68	-2.47	1.4213	1.53	8.17	9.333	9.70	24	Pass
106/55	155	6725	-1.27	-1.19	1.5068	1.78	8.17	9.886	9.95	24	Pass
106/58	179	6845	-1.16	-1.32	1.5035	1.77	8.17	9.863	9.94	24	Pass
106/55	187	6885	-1.60	-1.39	1.4179	1.52	8.13	9.226	9.65	24	Pass
106/55	211	7005	-1.27	-0.33	1.6733	2.24	8.13	10.889	10.37	24	Pass
106/58	227	7085	-0.41	0.39	2.0039	3.02	8.13	13.032	11.15	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

- For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi
 For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi
 For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi
 For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

802.11ax (RU242)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
242/63	3	5965	2.64	2.45	3.594	5.56	8.15	23.496	13.71	24	Pass
242/62	43	6165	2.32	1.91	3.258	5.13	8.15	21.281	13.28	24	Pass
242/62	91	6405	2.67	2.03	3.445	5.37	8.15	22.491	13.52	24	Pass
242/63	99	6445	2.84	1.77	3.426	5.35	8.1	22.131	13.45	24	Pass
242/62	107	6485	3.14	2.10	3.682	5.66	8.1	23.768	13.76	24	Pass
242/62	115	6525	2.81	2.04	3.509	5.45	8.17	23.014	13.62	24	Pass
242/63	123	6565	2.63	1.56	3.265	5.14	8.17	21.429	13.31	24	Pass
242/63	155	6725	2.14	1.93	3.196	5.05	8.17	20.989	13.22	24	Pass
242/62	179	6845	1.94	1.67	3.032	4.82	8.17	19.907	12.99	24	Pass
242/63	187	6885	2.14	2.35	3.355	5.26	8.13	21.827	13.39	24	Pass
242/63	211	7005	2.21	3.21	3.758	5.75	8.13	24.434	13.88	24	Pass
242/62	227	7085	3.24	3.75	4.48	6.51	8.13	29.107	14.64	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

- For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi
 For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi
 For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi
 For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

802.11ax (RU484)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
484/65	3	5965	5.24	4.68	6.28	7.98	8.15	41.02	16.13	24	Pass
484/65	43	6165	5.05	4.65	6.116	7.86	8.15	39.902	16.01	24	Pass
484/65	91	6405	5.10	4.57	6.1	7.85	8.15	39.811	16.00	24	Pass
484/65	99	6445	5.22	4.26	5.993	7.78	8.1	38.726	15.88	24	Pass
484/65	107	6485	5.47	4.15	6.124	7.87	8.1	39.537	15.97	24	Pass
484/65	115	6525	4.57	4.08	5.423	7.34	8.17	35.563	15.51	24	Pass
484/65	123	6565	4.83	4.09	5.605	7.49	8.17	36.813	15.66	24	Pass
484/65	155	6725	5.28	4.49	6.185	7.91	8.17	40.551	16.08	24	Pass
484/65	179	6845	5.14	4.52	6.097	7.85	8.17	39.994	16.02	24	Pass
484/65	187	6885	4.82	4.61	5.925	7.73	8.13	38.548	15.86	24	Pass
484/65	211	7005	3.86	3.67	4.76	6.78	8.13	30.974	14.91	24	Pass
484/65	227	7085	6.82	6.93	9.74	9.89	8.13	63.387	18.02	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

- For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi
 For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi
 For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi
 For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

80MHz Preamble

802.11ax (RU996)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
996/67	7	5985	8.19	8.02	12.93	11.12	5.14	42.267	16.26	24	Pass
996/67	39	6145	7.45	7.41	11.067	10.44	5.14	36.141	15.58	24	Pass
996/67	87	6385	8.10	7.96	12.708	11.04	5.14	41.495	16.18	24	Pass
996/67	103	6465	8.67	7.16	12.562	10.99	5.09	40.551	16.08	24	Pass
996/67	119	6545	8.36	7.29	12.213	10.87	5.16	40.087	16.03	24	Pass
996/67	135	6625	7.55	7.41	11.197	10.49	5.16	36.728	15.65	24	Pass
996/67	151	6705	7.76	7.43	11.504	10.61	5.16	37.757	15.77	24	Pass
996/67	167	6785	7.97	7.63	12.06	10.81	5.16	39.537	15.97	24	Pass
996/67	183	6865	7.92	7.67	12.042	10.81	5.16	39.537	15.97	24	Pass
996/67	199	6945	7.67	7.98	12.128	10.84	5.12	39.446	15.96	24	Pass
996/67	215	7025	7.59	8.00	12.051	10.81	5.12	39.174	15.93	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

160MHz Preamble

802.11ax (RU1992)

RU Configuration	Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Max. Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
			Chain 0	Chain 1							
1992/68	15	6025	10.11	10.12	20.537	13.13	8.15	134.276	21.28	24	Pass
1992/68	47	6185	10.23	10.03	20.613	13.14	8.15	134.586	21.29	24	Pass
1992/68	79	6345	11.01	10.23	23.162	13.65	8.15	151.356	21.80	24	Pass
1992/68	111	6505	10.68	10.76	23.607	13.73	8.1	152.405	21.83	24	Pass
1992/68	143	6665	10.86	10.58	23.619	13.73	8.17	154.882	21.90	24	Pass
1992/68	175	6825	11.03	10.42	23.692	13.75	8.17	155.597	21.92	24	Pass
1992/68	207	6985	10.43	10.49	22.235	13.47	8.13	144.544	21.60	24	Pass

Note: *Test was performed in accordance with Measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test. The duty factor was included in the total power.

1. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

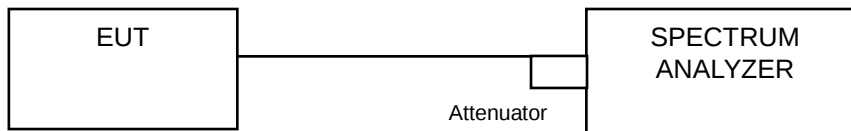
For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

4.5 Emission Bandwidth Measurement

4.5.1 Limits of Emission Bandwidth Measurement

The fundamental bandwidth shall be less than 320MHz.

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.5.4 Test Procedure

FOR 99% OCCUPIED BANDWIDTH

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to SAMPLE. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.

FOR 26dB BANDWIDTH

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

4.5.5 Test Results (Mode 1)

99% Occupied Bandwidth:

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Limit (MHz)
2	5935	16.32	16.44	320
1	5955	18.72	17.04	320
45	6175	18	18.72	320
93	6415	18.36	21.24	320
117	6535	19.56	22.32	320
149	6695	20.04	21	320
181	6855	18.36	19.32	320

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Limit (MHz)
2	5935	19.08	19.08	320
1	5955	18.96	18.96	320
45	6175	18.96	18.96	320
93	6415	18.96	18.96	320
117	6535	18.96	18.96	320
149	6695	18.96	18.96	320
181	6855	18.84	18.84	320

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Limit (MHz)
3	5965	37.92	37.68	320
43	6165	37.68	38.16	320
91	6405	37.68	37.92	320
123	6565	37.92	37.68	320
155	6725	37.92	37.68	320
179	6845	37.68	37.92	320

802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Limit (MHz)
7	5985	77.28	76.8	320
39	6145	76.8	77.28	320
87	6385	77.28	77.28	320
135	6625	77.28	77.28	320
151	6705	76.8	76.32	320
167	6785	76.8	76.8	320

802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Limit (MHz)
15	6025	155.52	155.52	320
47	6185	155.52	155.52	320
79	6345	155.52	154.56	320
143	6665	155.52	156.48	320

20MHz Preamble

802.11ax (RU26)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
26/0	2	5935	18.6	18.6	320
26/0	1	5955	18.6	18.48	320
26/4	45	6175	17.16	17.04	320
26/8	93	6415	18.6	18.72	320
26/0	117	6535	18.48	18.48	320
26/4	149	6695	17.28	17.16	320
26/8	181	6855	18.72	18.72	320

802.11ax (RU52)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
52/37	2	5935	18.36	18.48	320
52/37	1	5955	18.43	18.43	320
52/38	45	6175	17.28	17.16	320
52/40	93	6415	18.48	18.48	320
52/37	117	6535	18.48	18.48	320
52/38	149	6695	17.52	17.16	320
52/40	181	6855	18.48	18.48	320

802.11ax (RU106)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
106/53	2	5935	18.48	18.36	320
106/53	1	5955	18.48	18.36	320
106/53	45	6175	18.48	18.36	320
106/54	93	6415	18.36	18.48	320
106/53	117	6535	18.6	18.6	320
106/54	149	6695	18.6	18.6	320
106/54	181	6855	18.48	18.48	320

802.11ax (RU242)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
242/61	2	5935	19.2	19.2	320
242/61	1	5955	19.2	19.2	320
242/61	45	6175	19.44	19.44	320
242/61	93	6415	19.44	19.32	320
242/61	117	6535	19.44	19.44	320
242/61	149	6695	19.44	19.44	320
242/61	181	6855	19.32	19.2	320

40MHz Preamble

802.11ax (RU26)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
26/9	3	5965	36.96	36.24	320
26/27	43	6165	36.48	36.48	320
26/27	91	6405	36.72	36.48	320
26/9	123	6565	36.48	36.48	320
26/9	155	6725	36.48	36.48	320
26/27	179	6845	36.48	36.24	320

802.11ax (RU52)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
52/41	3	5965	36.72	36.24	320
52/48	43	6165	37.2	36.48	320
52/48	91	6405	36.96	36.72	320
52/41	123	6565	36.72	36.48	320
52/41	155	6725	36.72	36.72	320
52/48	179	6845	36.72	36.48	320

802.11ax (RU106)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
106/55	3	5965	36.96	37.2	320
106/58	43	6165	37.2	37.44	320
106/58	91	6405	38.16	37.68	320
106/55	123	6565	46.08	40.32	320
106/55	155	6725	37.2	37.2	320
106/58	179	6845	37.2	37.2	320

802.11ax (RU242)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
242/63	3	5965	38.64	39.12	320
242/62	43	6165	38.16	38.64	320
242/62	91	6405	48.24	47.04	320
242/63	123	6565	56	38.4	320
242/63	155	6725	49.2	50.16	320
242/62	179	6845	39.6	40.56	320

802.11ax (RU484)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
484/65	3	5965	40.08	39.6	320
484/65	43	6165	39.12	42	320
484/65	91	6405	38.88	40.08	320
484/65	123	6565	39.12	39.36	320
484/65	155	6725	39.12	39.36	320
484/65	179	6845	38.64	38.4	320

80MHz Preamble

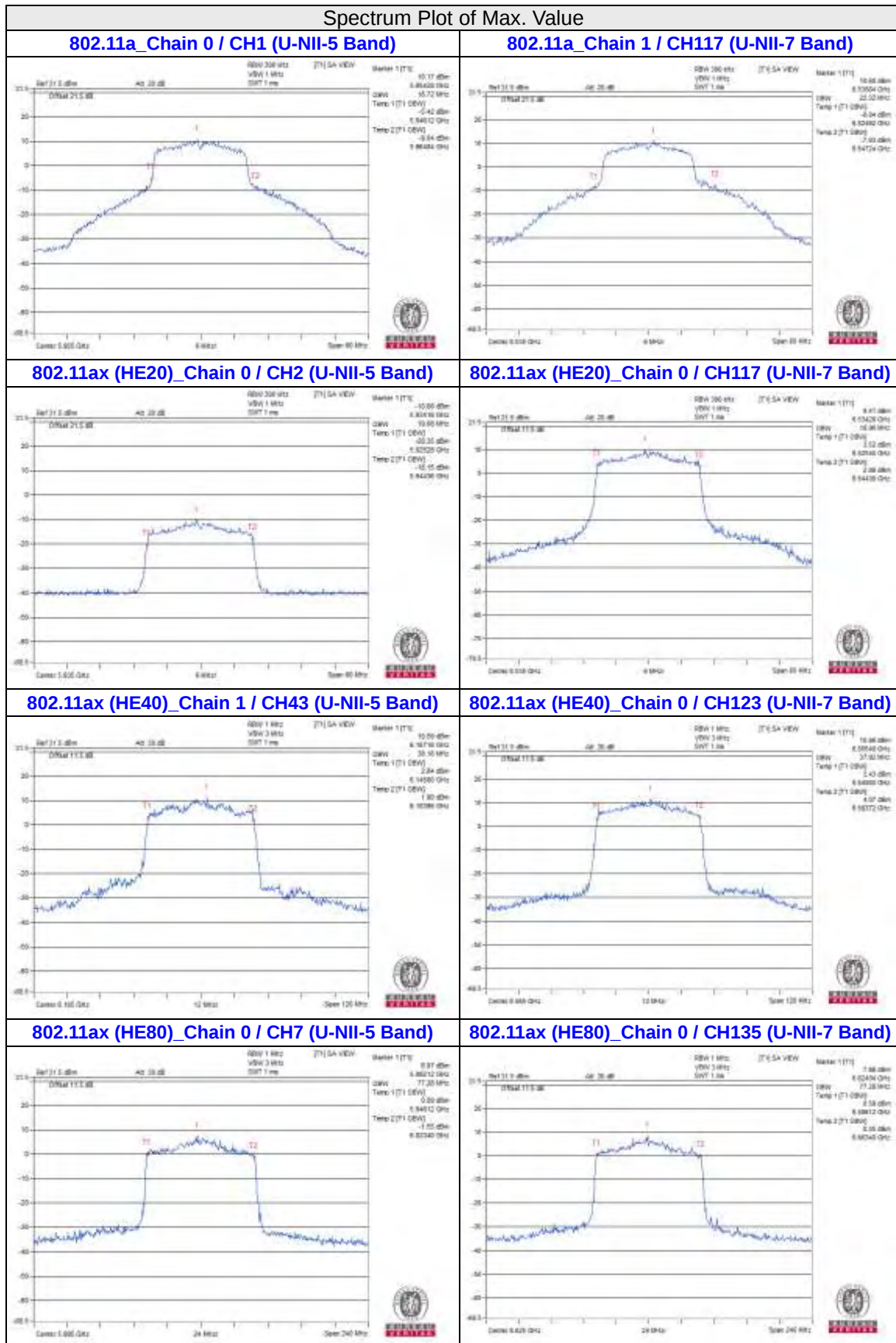
802.11ax (RU996)

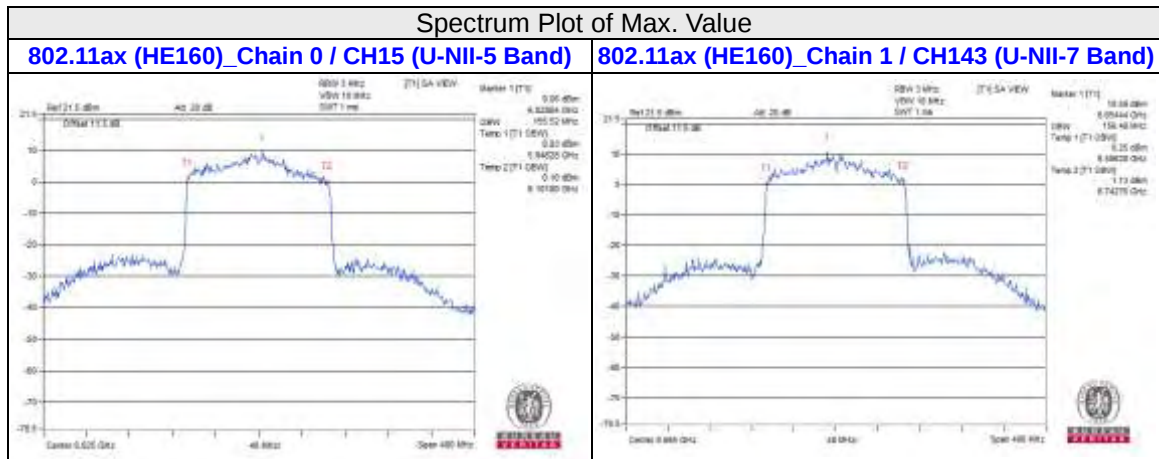
RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
996/67	7	5985	78.24	77.76	320
996/67	39	6145	78.24	78.24	320
996/67	87	6385	78.72	78.24	320
996/67	135	6625	78.72	78.72	320
996/67	151	6705	78.24	78.24	320
996/67	167	6785	78.24	78.24	320

160MHz Preamble

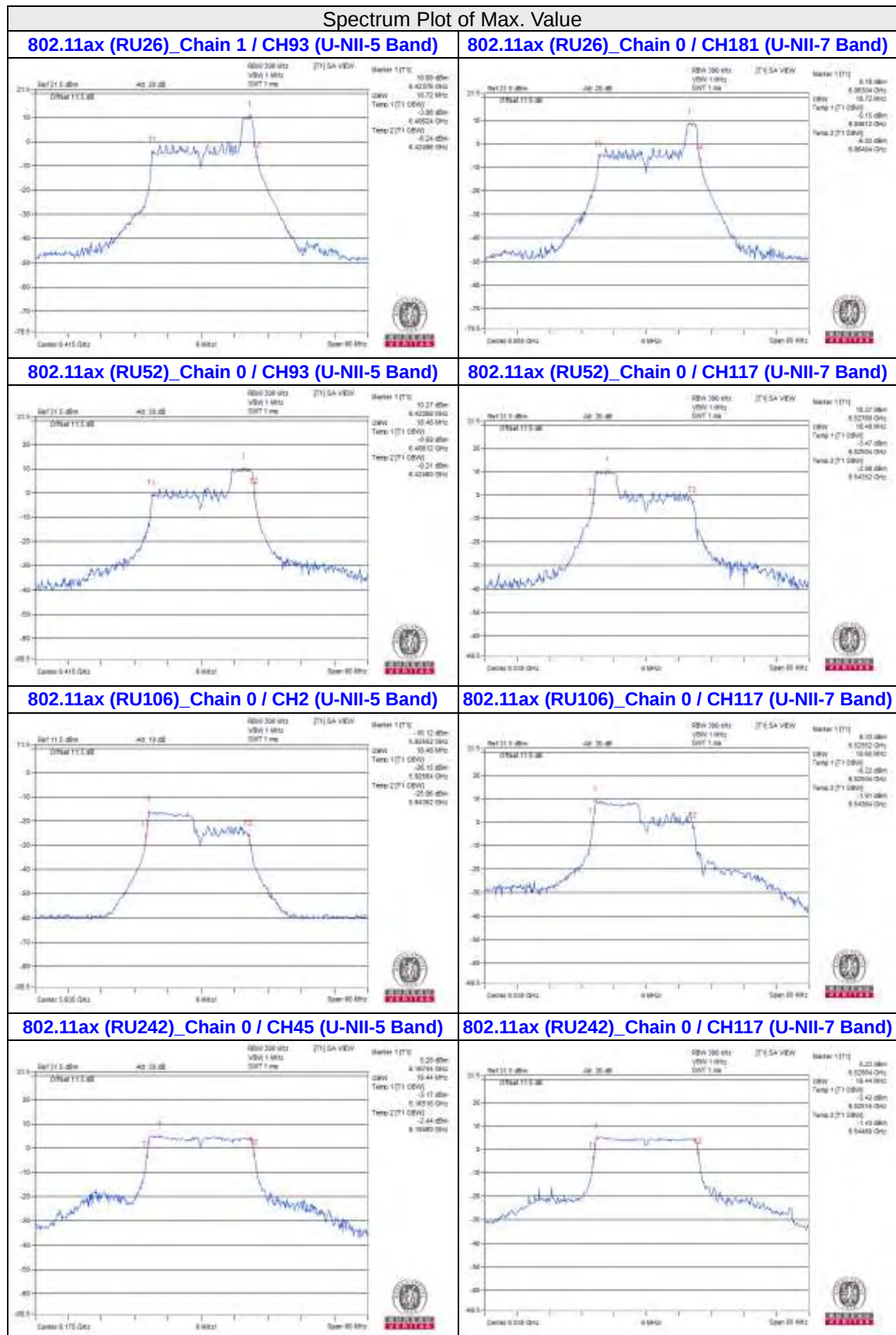
802.11ax (RU1992)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
1992/68	15	6025	159.31	157.91	320
1992/68	47	6185	160.32	159.36	320
1992/68	79	6345	162.24	175.68	320
1992/68	143	6665	160.32	160.32	320

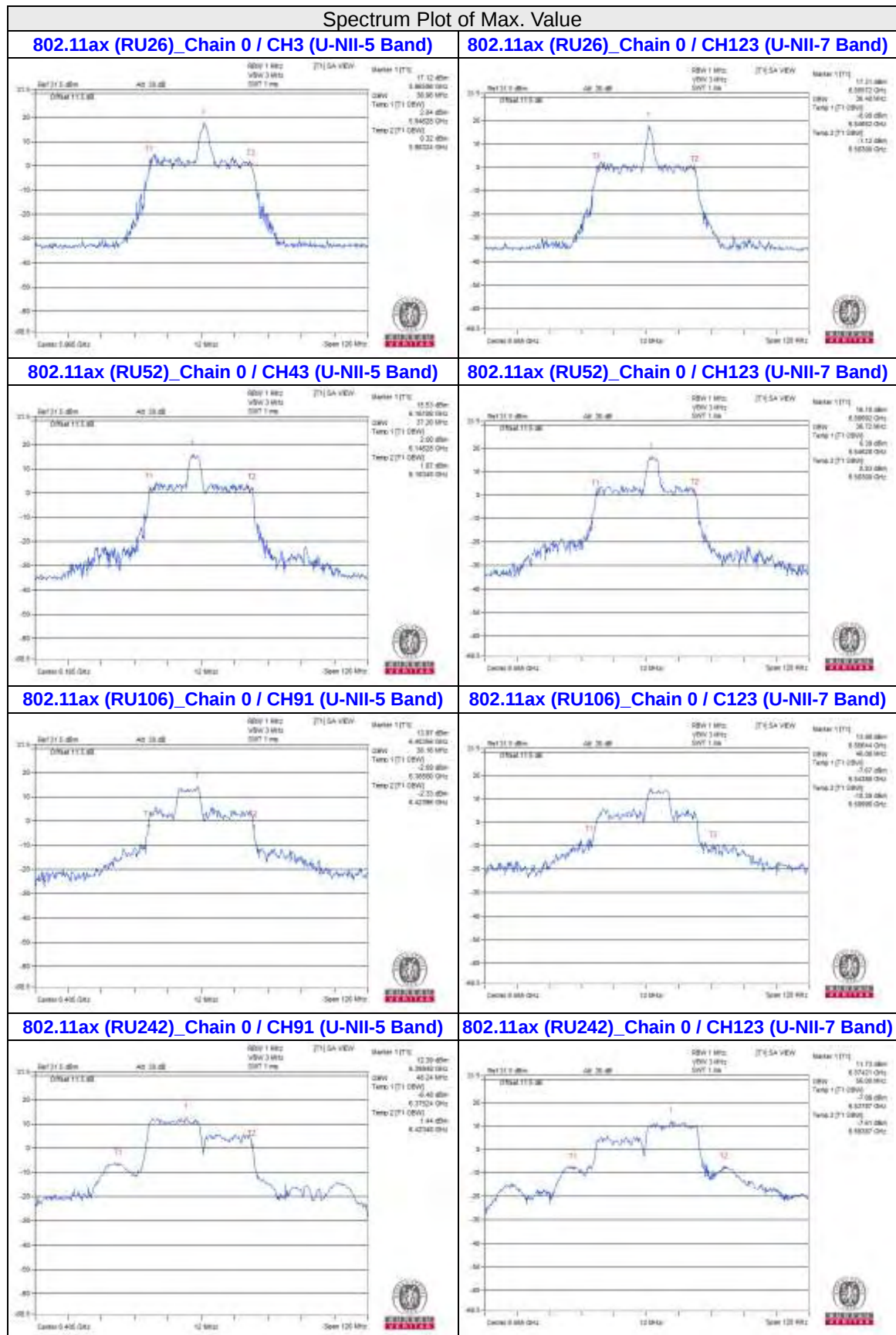




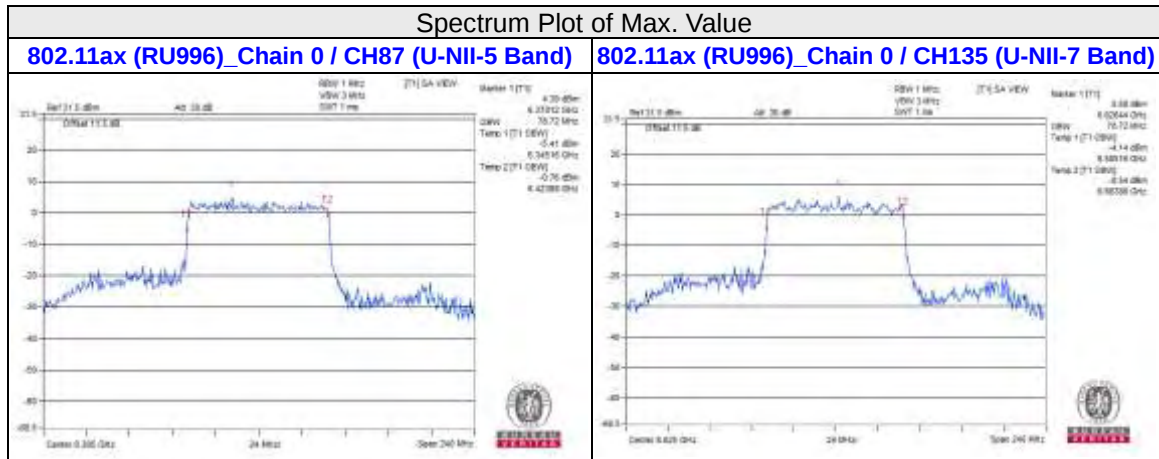
20MHz Preamble



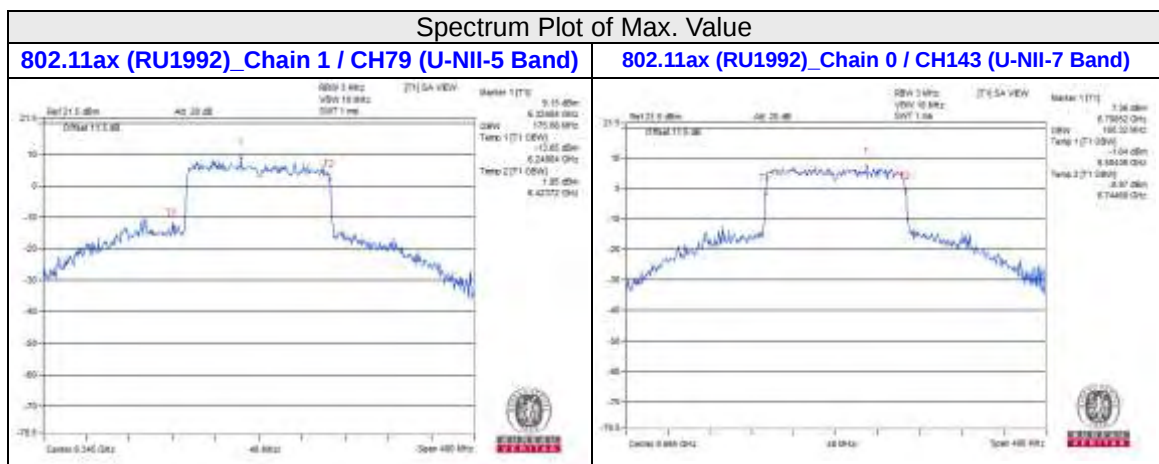
40MHz Preamble



80MHz Preamble



160MHz Preamble



26dB Bandwidth:

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain0	Chain1
2	5935	20.14	20.1
1	5955	32.98	28.87
45	6175	34.33	33.9
93	6415	33.19	35.25
117	6535	36.57	37.83
149	6695	34.52	36.83
181	6855	35.13	33.27

802.11ax (HE20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain0	Chain1
2	5935	21.16	21.42
1	5955	21.18	21.12
45	6175	21.1	21.28
93	6415	20.99	21.05
117	6535	21.17	21.35
149	6695	21.27	21.01
181	6855	21.08	21.2

802.11ax (HE40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain0	Chain1
3	5965	41.77	41.72
43	6165	41.76	42.05
91	6405	41.74	41.66
123	6565	41.67	41.8
155	6725	41.37	41.6
179	6845	42	41.89

802.11ax (HE80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain0	Chain1
7	5985	82.5	82.28
39	6145	82.56	82.96
87	6385	82.54	82.8
135	6625	82.44	82.94
151	6705	82.67	82.33
167	6785	82.24	82.5

802.11ax (HE160)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain0	Chain1
15	6025	168.05	82.28
47	6185	167.64	82.96
79	6345	167.94	82.8
143	6665	167.05	82.94

20MHz Preamble

802.11ax (RU26)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
26/0	2	5935	20.9	20.78
26/0	1	5955	20.86	20.83
26/4	45	6175	19.05	18.63
26/8	93	6415	20.89	20.65
26/0	117	6535	20.97	20.78
26/4	149	6695	19.13	18.72
26/8	181	6855	20.96	20.86

802.11ax (RU52)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
52/37	2	5935	21.4	21.4
52/37	1	5955	21.51	21.34
52/38	45	6175	20.02	18.77
52/40	93	6415	21.3	20.96
52/37	117	6535	21.89	21.38
52/38	149	6695	19.87	18.76
52/40	181	6855	21.22	20.87

802.11ax (RU106)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
106/53	2	5935	22.56	21.92
106/53	1	5955	24.41	22.79
106/53	45	6175	21.85	22.36
106/54	93	6415	22.4	22.06
106/53	117	6535	24.27	22.92
106/54	149	6695	22.64	25.36
106/54	181	6855	22.23	22.17

802.11ax (RU242)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
242/61	2	5935	23.9	23.34
242/61	1	5955	25.01	25.01
242/61	45	6175	43.56	42.91
242/61	93	6415	43.56	43.07
242/61	117	6535	44.42	43.8
242/61	149	6695	45.1	43.44
242/61	181	6855	42.76	43.13

40MHz Preamble

802.11ax (RU26)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
26/9	3	5965	39.49	39.03
26/27	43	6165	39.74	38.96
26/27	91	6405	39.73	39.05
26/9	123	6565	39.3	38.94
26/9	155	6725	39.38	39.2
26/27	179	6845	39.89	39.22

802.11ax (RU52)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
52/41	3	5965	40.34	39.59
52/48	43	6165	40.54	39.77
52/48	91	6405	40.1	39.98
52/41	123	6565	39.97	39.52
52/41	155	6725	40.19	39.67
52/48	179	6845	40.3	40.05

802.11ax (RU106)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
106/55	3	5965	41.21	40.51
106/58	43	6165	41.32	40.7
106/58	91	6405	58.64	42.48
106/55	123	6565	64.39	61.87
106/55	155	6725	41.81	42.86
106/58	179	6845	41.25	40.28

802.11ax (RU242)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
242/63	3	5965	58.41	58.73
242/62	43	6165	66.44	57.35
242/62	91	6405	60.48	59.49
242/63	123	6565	91.6	58.75
242/63	155	6725	86.16	88.48
242/62	179	6845	56.04	63.79

802.11ax (RU484)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
484/65	3	5965	65.48	61.01
484/65	43	6165	69.56	84.37
484/65	91	6405	61.86	80.6
484/65	123	6565	65.2	78.52
484/65	155	6725	64.53	80.21
484/65	179	6845	76.3	62.25

80MHz Preamble

802.11ax (RU996)

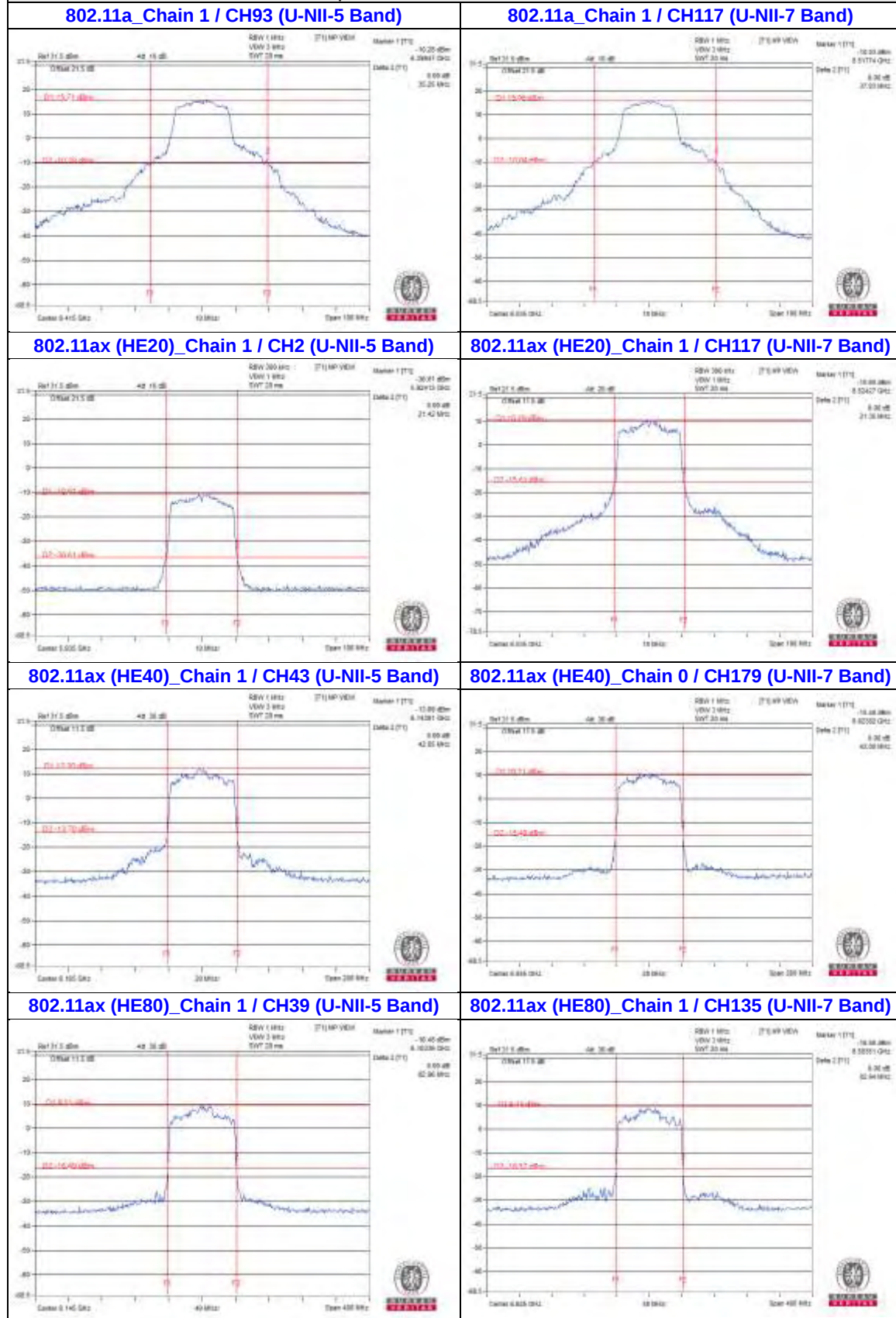
RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
996/67	7	5985	168.01	99.16
996/67	39	6145	167.03	172.99
996/67	87	6385	206.17	217.62
996/67	135	6625	227.62	223.37
996/67	151	6705	199.89	241.08
996/67	167	6785	141.72	168.79

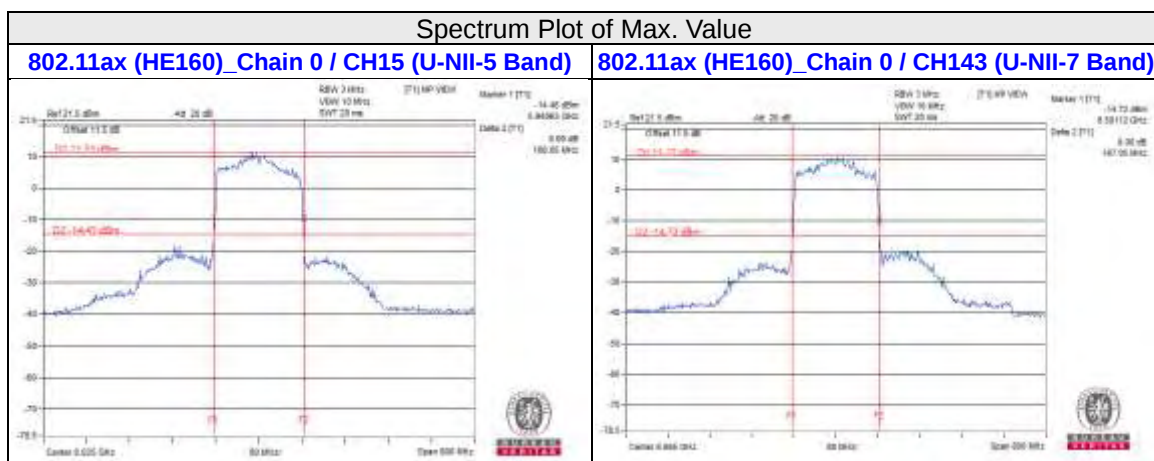
160MHz Preamble

802.11ax (RU1992)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
1992/68	15	6025	278.34	328.37
1992/68	47	6185	375.35	364.46
1992/68	79	6345	393.58	370.71
1992/68	143	6665	375.59	382.02

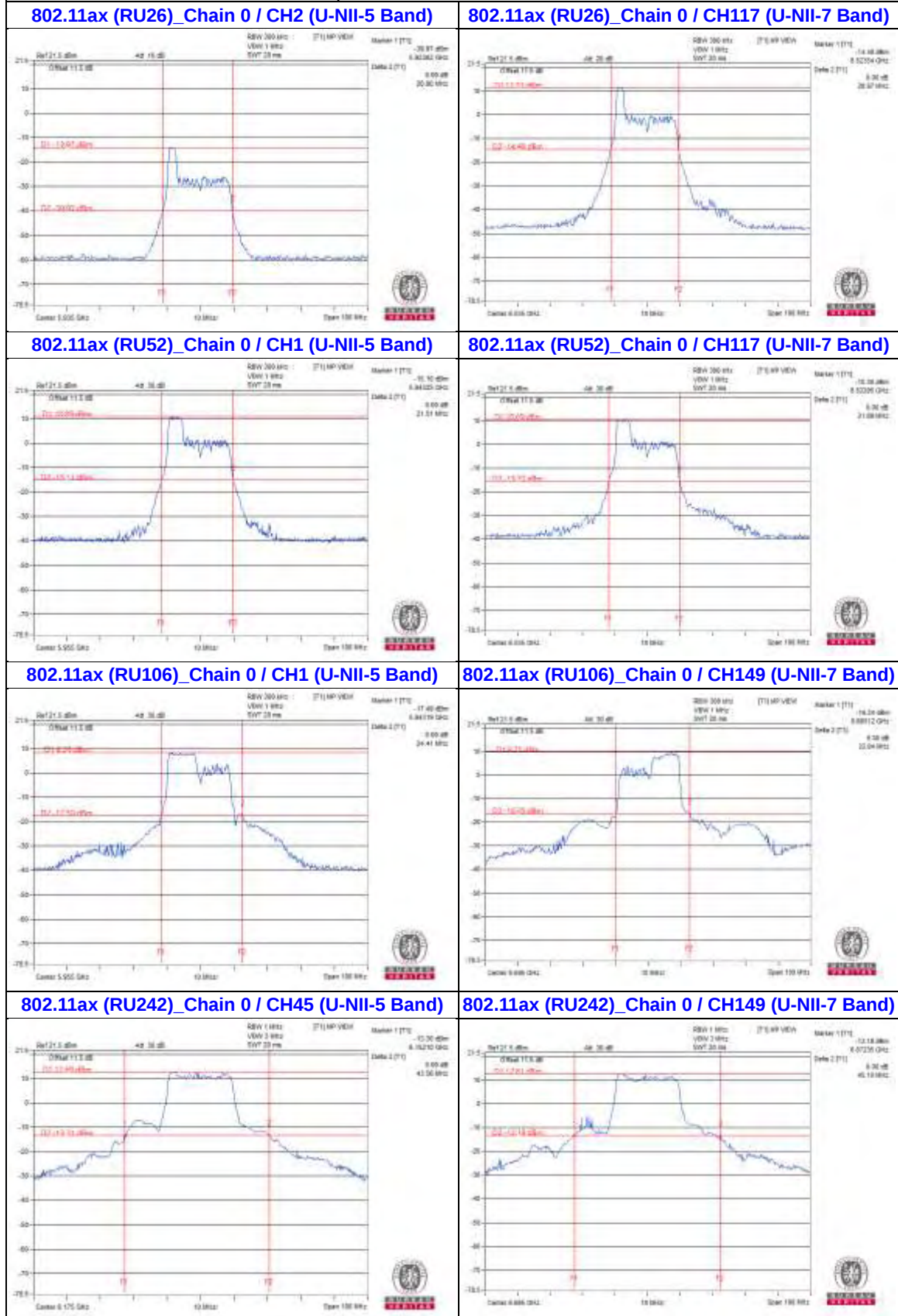
Spectrum Plot of Max. Value





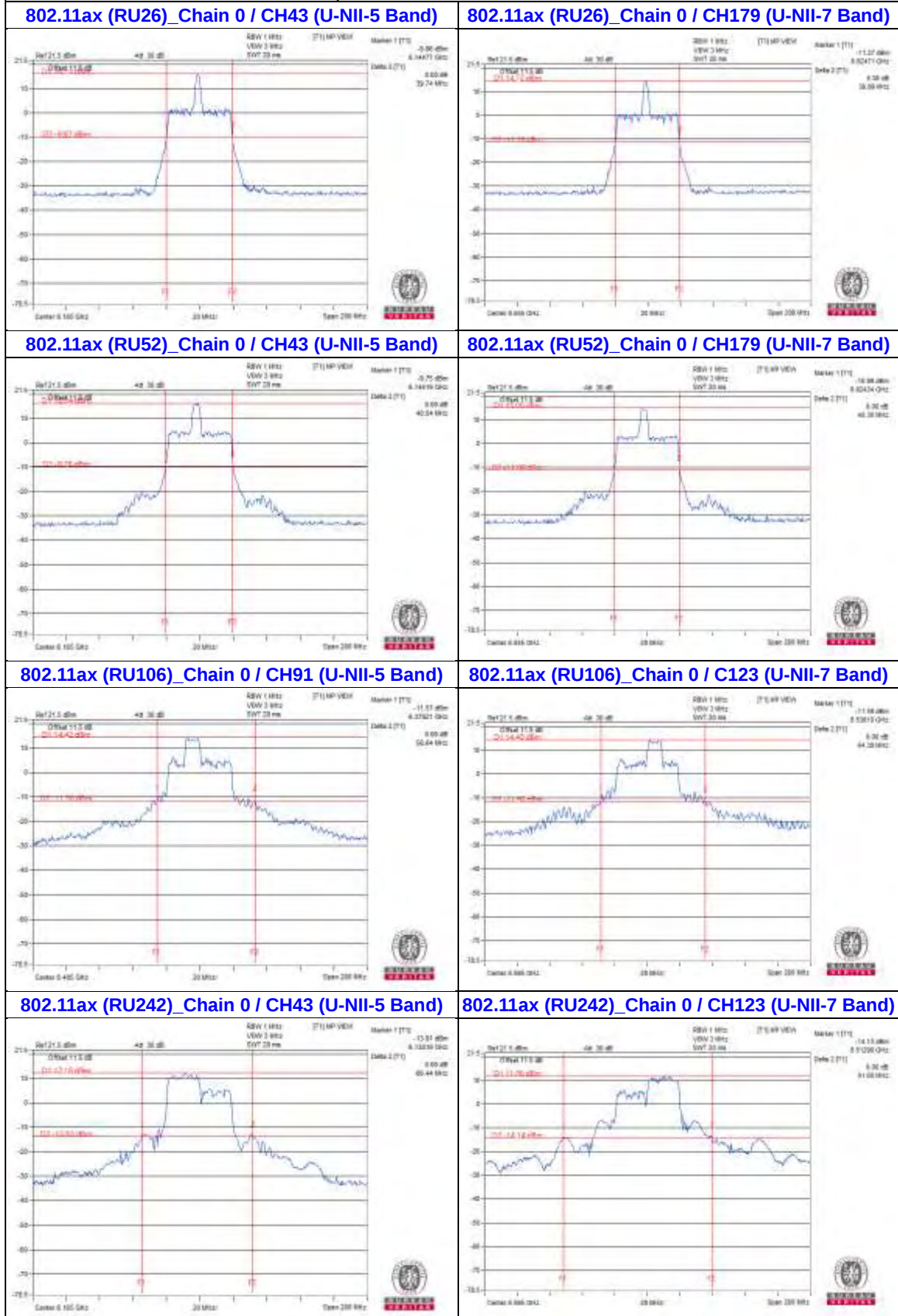
20MHz Preamble

Spectrum Plot of Max. Value

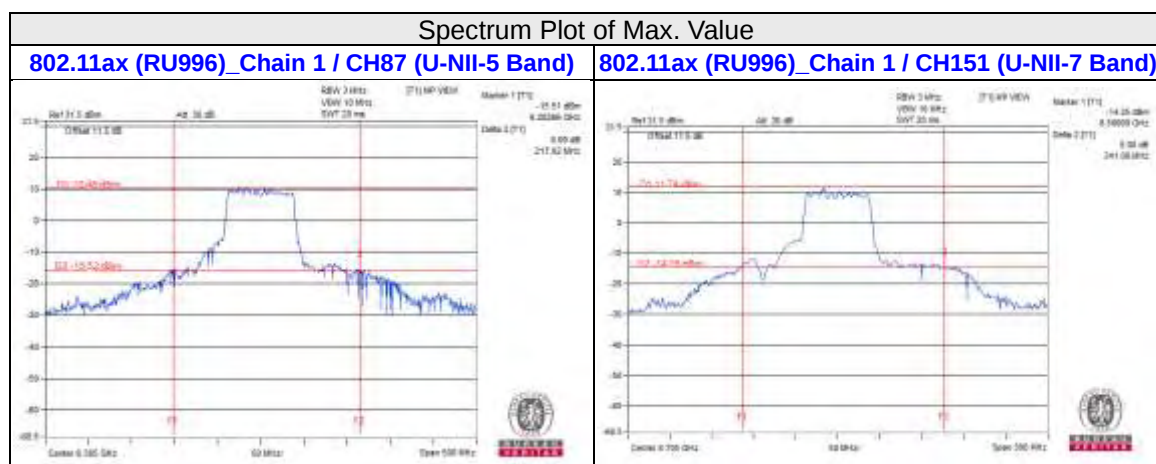


40MHz Preamble

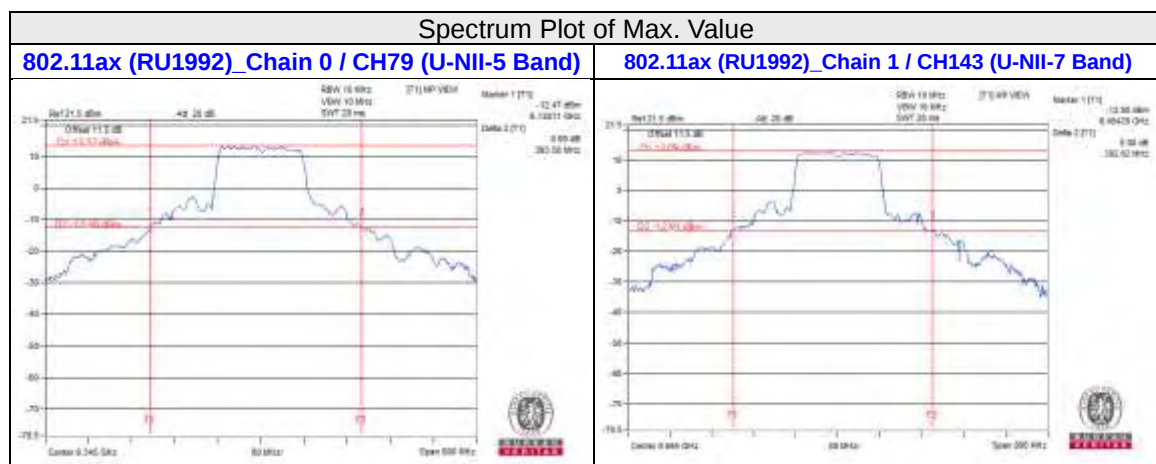
Spectrum Plot of Max. Value



80MHz Preamble



160MHz Preamble



4.5.6 Test Results (Mode 2)

99% Occupied Bandwidth:

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Limit (MHz)
2	5935	16.32	16.32	320
1	5955	16.35	16.35	320
45	6175	16.32	16.32	320
93	6415	16.32	16.32	320
97	6435	16.32	16.32	320
105	6475	16.32	16.32	320
113	6515	16.32	16.32	320
117	6535	16.32	16.32	320
149	6695	16.32	16.32	320
181	6855	16.44	16.32	320
185	6875	16.32	16.32	320
209	6995	16.32	16.32	320
229	7095	16.32	16.32	320
233	7115	16.44	16.32	320

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Limit (MHz)
2	5935	18.87	18.87	320
1	5955	18.96	18.87	320
45	6175	18.96	18.87	320
93	6415	18.96	18.96	320
97	6435	18.84	18.96	320
105	6475	18.96	18.96	320
113	6515	18.96	18.96	320
117	6535	18.96	18.96	320
149	6695	18.96	18.96	320
181	6855	18.84	18.96	320
185	6875	18.84	18.96	320
209	6995	18.84	18.84	320
229	7095	18.84	18.84	320
233	7115	18.84	18.84	320

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Limit (MHz)
3	5965	38.26	38.43	320
43	6165	37.92	37.68	320
91	6405	37.92	37.68	320
99	6445	37.92	37.92	320
107	6485	37.92	37.92	320
115	6525	37.68	37.92	320
123	6565	37.92	37.68	320
155	6725	37.68	37.68	320
179	6845	37.68	37.68	320
187	6885	37.92	37.68	320
211	7005	37.92	37.92	320
227	7085	37.92	37.92	320

802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Limit (MHz)
7	5985	77.91	76.32	320
39	6145	77.28	77.28	320
87	6385	77.28	77.28	320
103	6465	76.8	77.28	320
119	6545	77.28	76.8	320
151	6705	77.28	77.28	320
183	6865	77.22	77.28	320
199	6945	76.8	76.8	320
215	7025	76.32	77.28	320

802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
		Chain 0	Chain 1	Limit (MHz)
15	6025	155.83	155.52	320
47	6185	155.52	155.52	320
79	6345	154.56	155.52	320
111	6505	155.52	154.56	320
143	6665	154.56	154.56	320
175	6825	153.6	154.56	320
207	6985	153.6	153.6	320

20MHz Preamble

802.11ax (RU26)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
26/0	2	5935	18.6	18.6	320
26/0	1	5955	18.43	18.61	320
26/4	45	6175	17.28	17.04	320
26/8	93	6415	18.72	18.6	320
26/0	97	6435	18.48	18.6	320
26/4	105	6475	17.28	17.16	320
26/8	113	6515	18.84	18.6	320
26/0	117	6535	18.6	18.6	320
26/4	149	6695	17.4	17.04	320
26/8	181	6855	18.72	18.48	320
26/8	185	6875	18.72	18.48	320
26/0	209	6995	18.72	18.48	320
26/4	229	7095	17.28	16.86	320
26/8	233	7115	18.84	18.48	320

802.11ax (RU52)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
52/37	2	5935	18.36	18.48	320
52/37	1	5955	18.35	18.52	320
52/38	45	6175	17.3	17.16	320
52/40	93	6415	18.6	18.36	320
52/37	97	6435	18.36	18.48	320
52/38	105	6475	17.4	17.16	320
52/40	113	6515	18.6	18.36	320
52/37	117	6535	18.36	18.48	320
52/38	149	6695	17.4	17.04	320
52/40	181	6855	18.48	18.24	320
52/40	185	6875	18.48	18.24	320
52/37	209	6995	18.36	18.36	320
52/38	229	7095	17.4	17.16	320
52/40	233	7115	18.48	18.36	320

802.11ax (RU106)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
106/53	2	5935	18.48	18.36	320
106/53	1	5955	18.35	18.35	320
106/53	45	6175	18.48	18.48	320
106/54	93	6415	18.48	18.36	320
106/53	97	6435	18.48	18.24	320
106/53	105	6475	18.36	18.48	320
106/54	113	6515	18.48	18.36	320
106/53	117	6535	18.36	18.36	320
106/54	149	6695	18.48	18.36	320
106/54	181	6855	18.48	18.24	320
106/54	185	6875	18.36	18.24	320
106/53	209	6995	18.36	18.24	320
106/54	229	7095	18.36	18.36	320
106/54	233	7115	18.36	18.24	320

802.11ax (RU242)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
242/61	2	5935	19.2	19.2	320
242/61	1	5955	19.13	19.13	320
242/61	45	6175	19.2	19.2	320
242/61	93	6415	19.2	19.2	320
242/61	97	6435	19.2	19.2	320
242/61	105	6475	19.2	19.2	320
242/61	113	6515	19.08	19.2	320
242/61	117	6535	19.2	19.2	320
242/61	149	6695	19.2	19.2	320
242/61	181	6855	19.2	19.2	320
242/61	185	6875	19.2	19.2	320
242/61	209	6995	19.08	19.08	320
242/61	229	7095	19.08	19.2	320
242/61	233	7115	19.08	19.2	320

40MHz Preamble

802.11ax (RU26)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
26/9	3	5965	36.24	36.72	320
26/27	43	6165	36.96	36.48	320
26/27	91	6405	36.96	36.48	320
26/9	99	6445	36.72	36.72	320
26/27	107	6485	36.96	36.48	320
26/27	115	6525	36.72	36.52	320
26/9	123	6565	36.72	36.48	320
26/9	155	6725	36.72	36.24	320
26/27	179	6845	36.72	36.69	320
26/9	187	6885	36.48	36.72	320
26/9	211	7005	36.72	36.72	320
26/27	227	7085	36.72	36.87	320

802.11ax (RU52)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
52/41	3	5965	36.48	36.72	320
52/48	43	6165	36.96	36.72	320
52/48	91	6405	37.2	36.72	320
52/41	99	6445	36.48	36.72	320
52/41	107	6485	36.96	36.72	320
52/48	115	6525	37.2	36.72	320
52/41	123	6565	36.48	36.48	320
52/41	155	6725	36.72	36.72	320
52/48	179	6845	36.72	36.72	320
52/41	187	6885	36.72	36.48	320
52/41	211	7005	36.72	36.72	320
52/48	227	7085	37.2	36.72	320

802.11ax (RU106)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
106/55	3	5965	36.72	36.96	320
106/58	43	6165	36.48	36.72	320
106/58	91	6405	36.96	36.96	320
106/55	99	6445	36.72	36.96	320
106/58	107	6485	36.96	36.96	320
106/58	115	6525	36.72	36.96	320
106/55	123	6565	36.96	36.96	320
106/55	155	6725	36.96	36.96	320
106/58	179	6845	36.96	36.48	320
106/55	187	6885	36.96	37.2	320
106/55	211	7005	36.72	37.2	320
106/58	227	7085	36.96	36.72	320

802.11ax (RU242)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
242/63	3	5965	38.16	37.92	320
242/62	43	6165	37.68	37.68	320
242/62	91	6405	37.68	37.92	320
242/63	99	6445	38.16	37.92	320
242/62	107	6485	37.92	37.68	320
242/62	115	6525	37.92	37.68	320
242/63	123	6565	38.16	38.16	320
242/63	155	6725	38.16	38.16	320
242/62	179	6845	37.92	37.68	320
242/63	187	6885	38.16	38.16	320
242/63	211	7005	38.16	37.92	320
242/62	227	7085	37.68	37.92	320

802.11ax (RU484)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
484/65	3	5965	38.61	38.43	320
484/65	43	6165	38.4	38.64	320
484/65	91	6405	38.64	38.64	320
484/65	99	6445	38.88	38.64	320
484/65	107	6485	38.88	38.64	320
484/65	115	6525	38.64	38.64	320
484/65	123	6565	38.88	38.64	320
484/65	155	6725	38.64	38.64	320
484/65	179	6845	39.12	38.64	320
484/65	187	6885	38.64	38.64	320
484/65	211	7005	38.64	38.4	320
484/65	227	7085	38.64	38.64	320

80MHz Preamble

802.11ax (RU996)

RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
996/67	7	5985	79.65	78.26	320
996/67	39	6145	78.24	78.24	320
996/67	87	6385	78.24	78.24	320
996/67	103	6465	78.24	78.24	320
996/67	119	6545	78.24	78.24	320
996/67	135	6625	78.24	78.24	320
996/67	151	6705	78.24	78.24	320
996/67	167	6785	78.24	78.24	320
996/67	183	6865	78.24	78.24	320
996/67	199	6945	77.76	77.76	320
996/67	215	7025	77.76	77.91	320

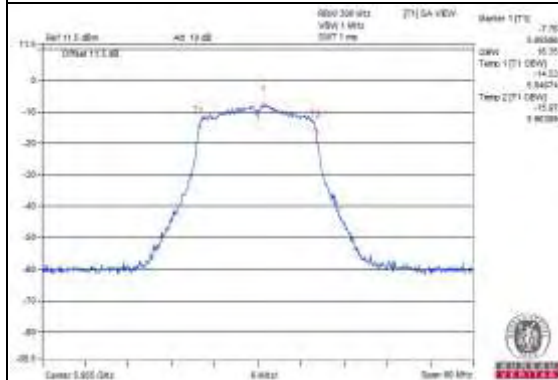
160MHz Preamble

802.11ax (RU1992)

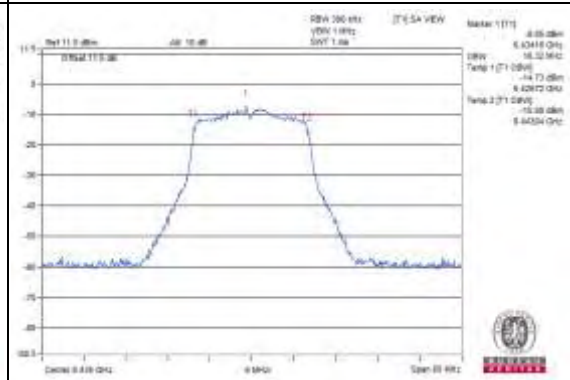
RU Configuration	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		
			Chain 0	Chain 1	Limit (MHz)
1992/68	15	6025	157.91	157.91	320
1992/68	47	6185	158.4	158.4	320
1992/68	79	6345	158.4	158.4	320
1992/68	111	6505	158.4	158.4	320
1992/68	143	6665	158.4	158.4	320
1992/68	175	6825	157.44	158.4	320
1992/68	207	6985	156.48	157.44	320

Spectrum Plot of Max. Value

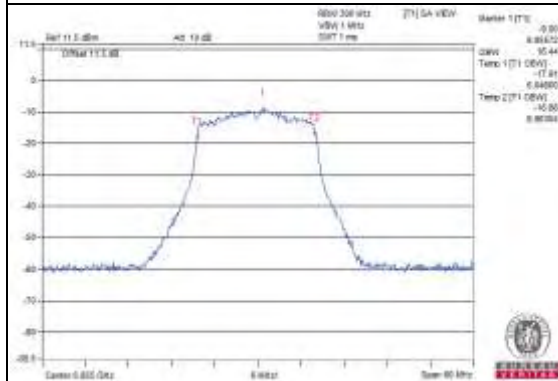
802.11a_Chain 0 / CH1 (U-NII-5 Band)



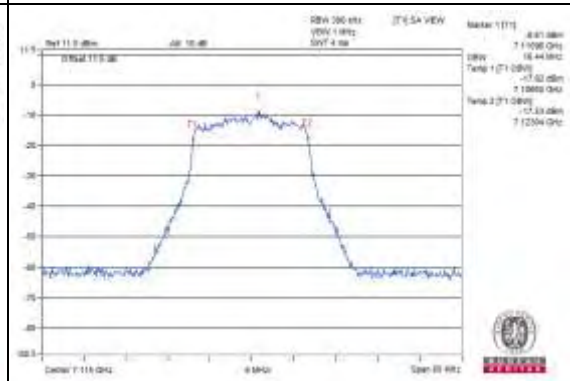
802.11a_Chain 0 / CH97 (U-NII-6 Band)



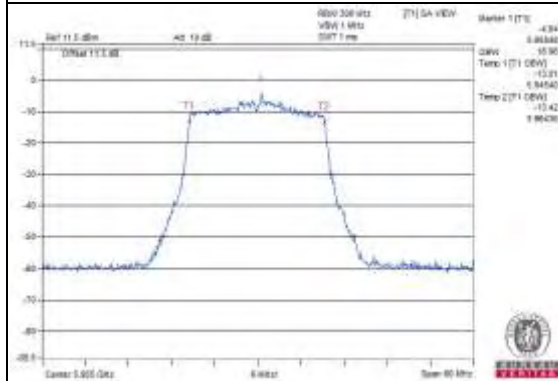
802.11a_Chain 0 / CH181 (U-NII-7 Band)



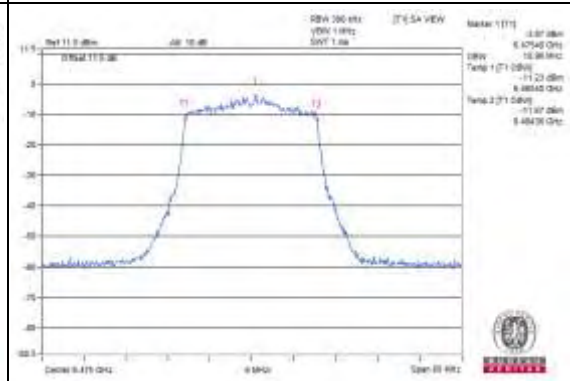
802.11a_Chain 0 / CH233 (U-NII-8 Band)



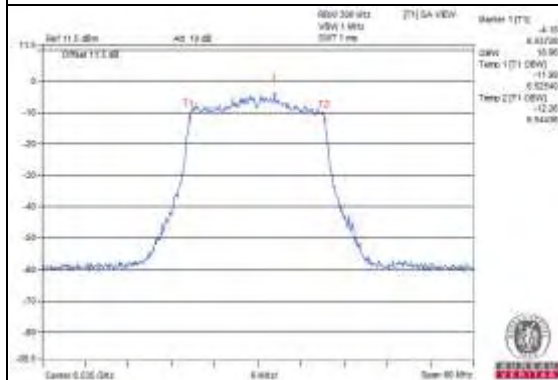
802.11ax (HE20)_Chain 0 / CH1 (U-NII-5 Band)



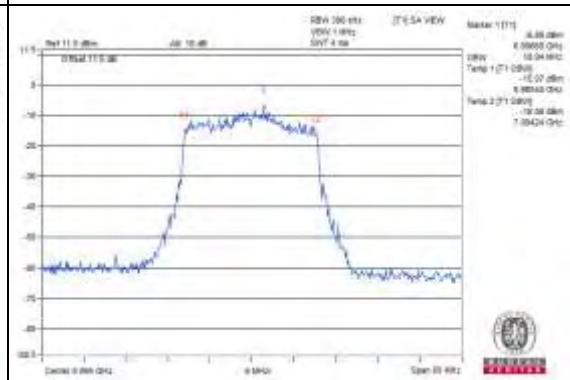
802.11ax (HE20)_Chain 0 / CH105 (U-NII-6 Band)



802.11ax (HE20)_Chain 0 / CH117 (U-NII-7 Band)

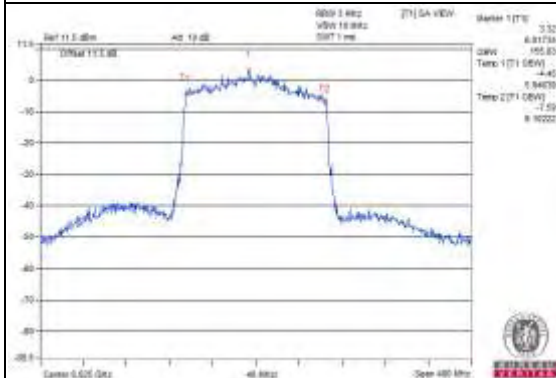


802.11ax (HE20)_Chain 0 / CH209 (U-NII-8 Band)

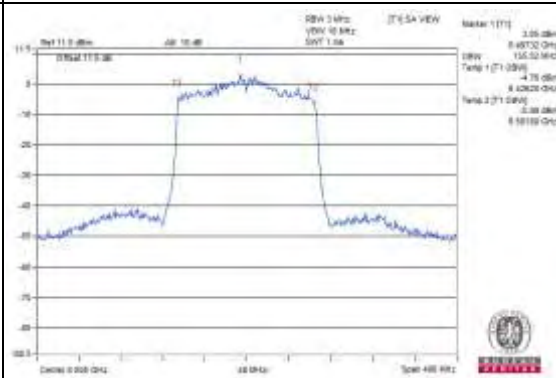


Spectrum Plot of Max. Value

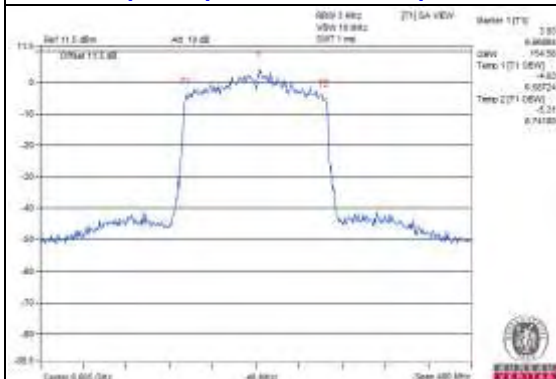
802.11ax (HE160)_Chain 0 / CH15 (U-NII-5 Band)



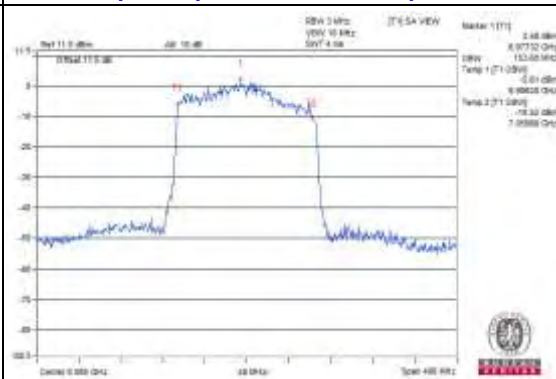
802.11ax (HE160)_Chain 0 / CH111 (U-NII-6 Band)



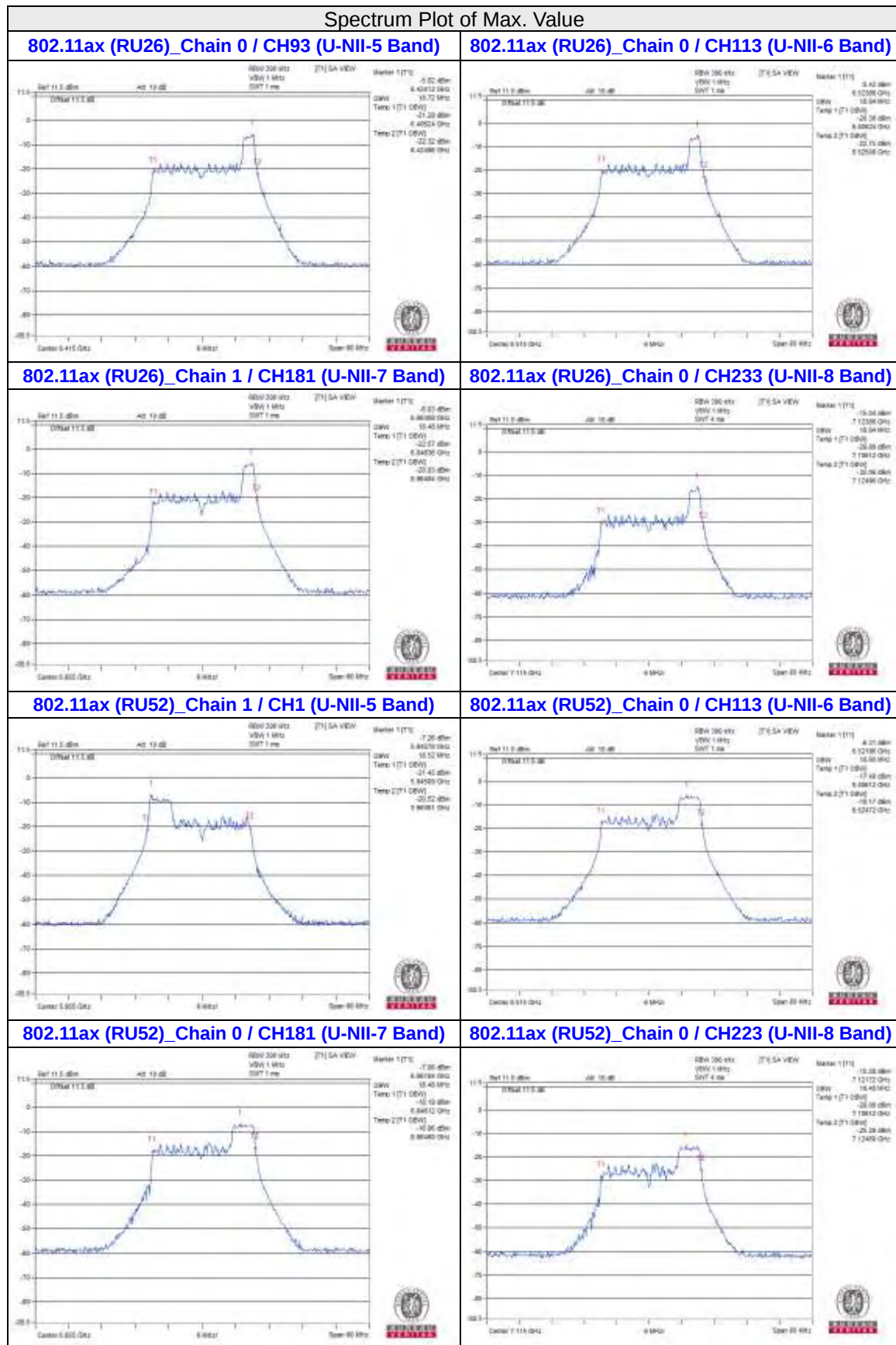
802.11ax (HE160)_Chain 0 / CH143 (U-NII-7 Band)



802.11ax (HE160)_Chain 0 / CH207 (U-NII-8 Band)

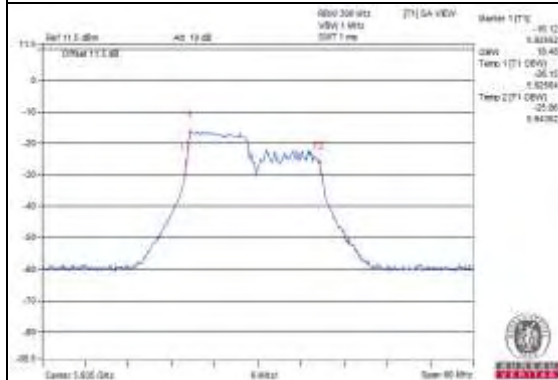


20MHz Preamble

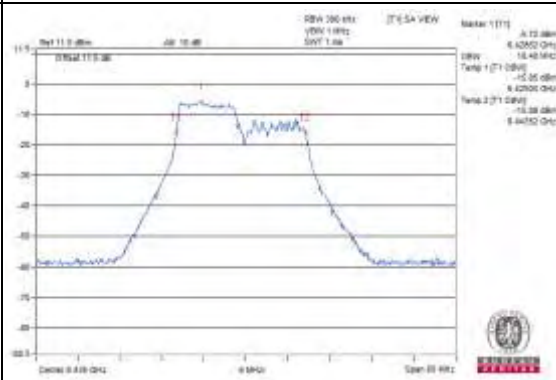


Spectrum Plot of Max. Value

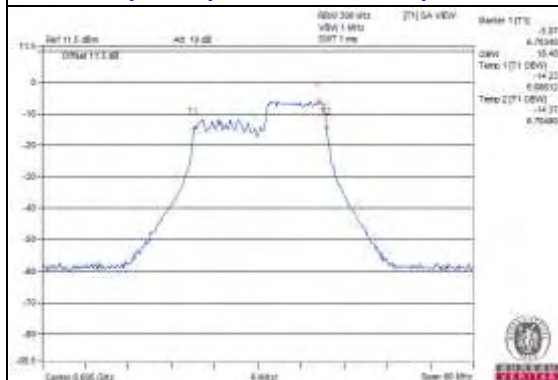
802.11ax (RU106)_Chain 0 / CH2 (U-NII-5 Band)



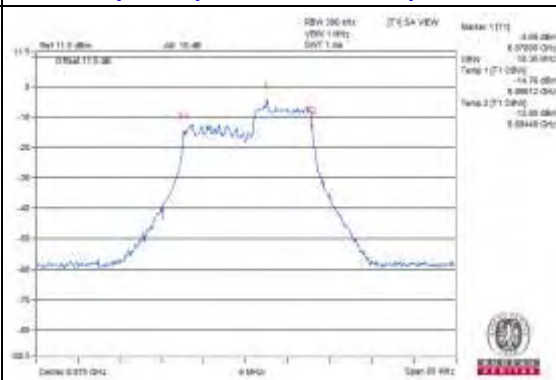
802.11ax (RU106)_Chain 0 / CH97 (U-NII-6 Band)



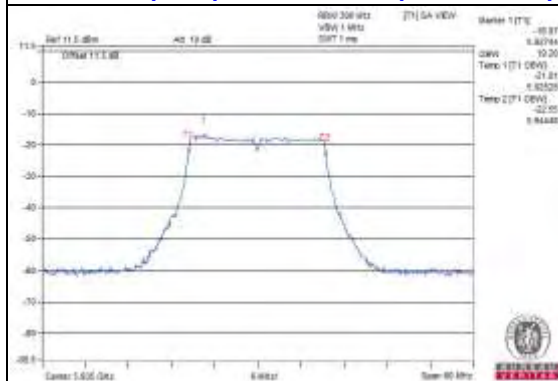
802.11ax (RU106)_Chain 0 / CH149 (U-NII-7 Band)



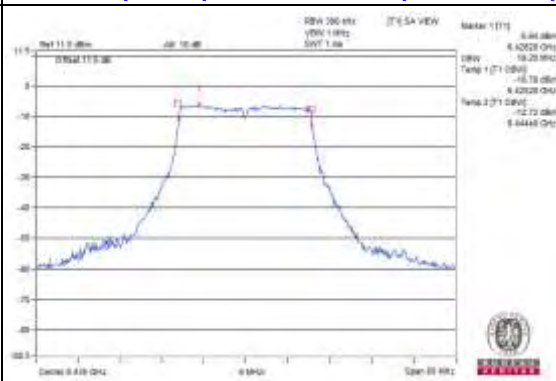
802.11ax (RU106)_Chain 0 / CH185 (U-NII-8 Band)



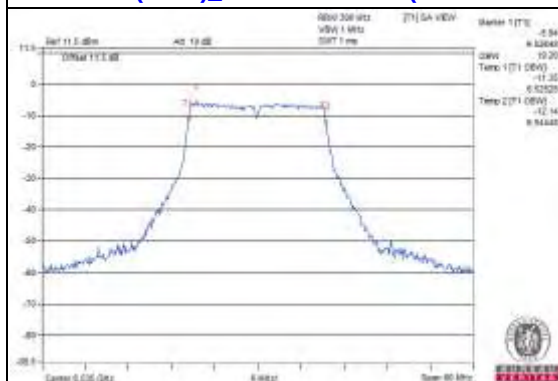
802.11ax (R242)_Chain 0 / CH2 (U-NII-5 Band)



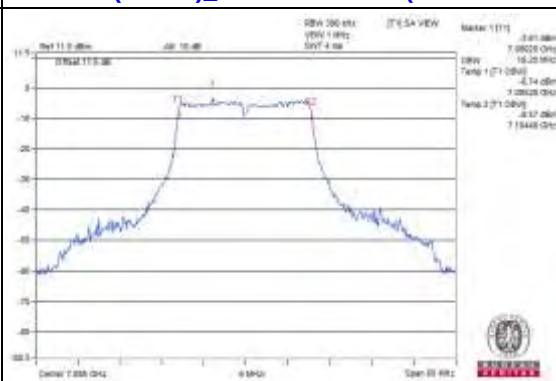
802.11ax (RU242)_Chain 0 / CH97 (U-NII-6 Band)



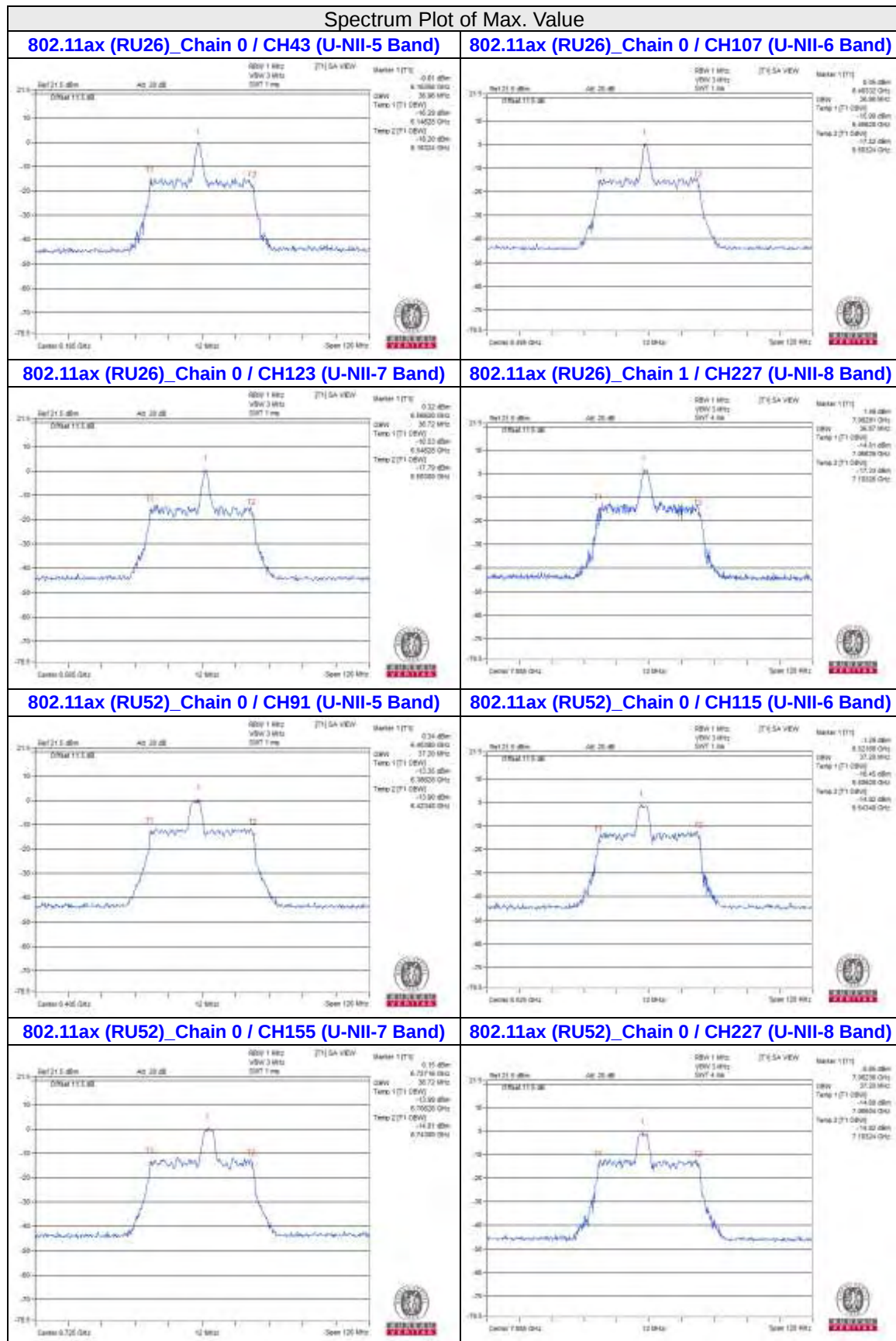
802.11ax (R242)_Chain 0 / CH117 (U-NII-7 Band)



802.11ax (RU242)_Chain 1 / CH229 (U-NII-8 Band)

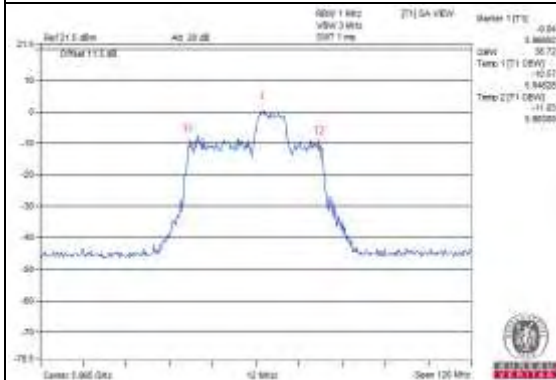


40MHz Preamble

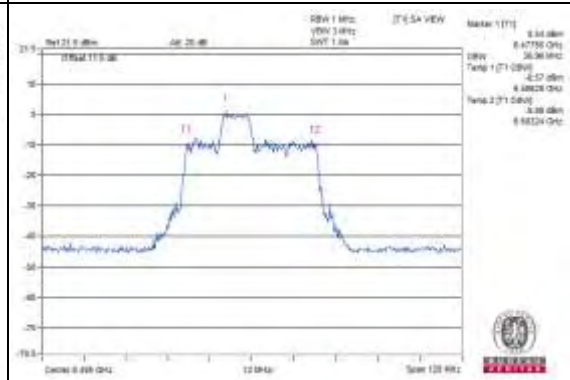


Spectrum Plot of Max. Value

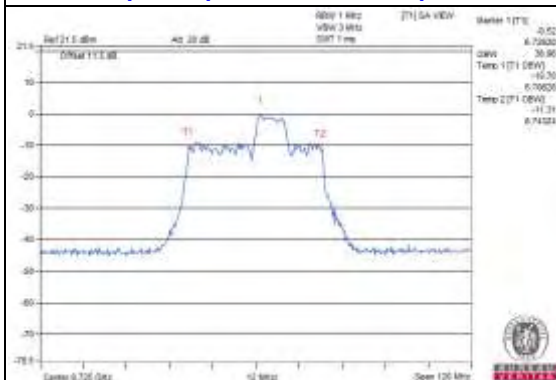
802.11ax (RU106)_Chain 0 / CH3 (U-NII-5 Band)



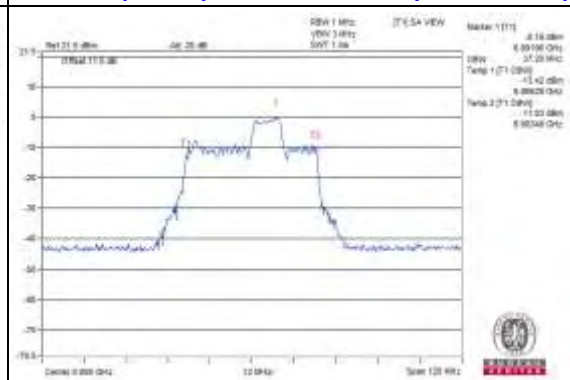
802.11ax (RU106)_Chain 0 / CH107 (U-NII-6 Band)



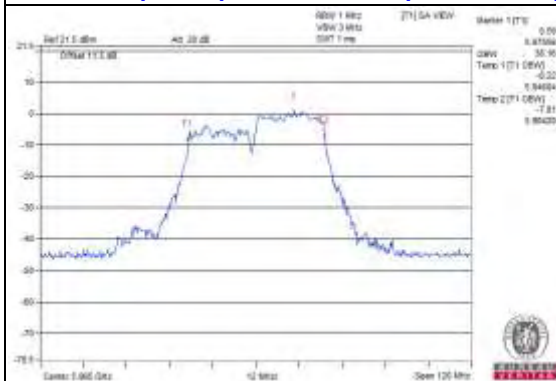
802.11ax (RU106)_Chain 0 / CH155 (U-NII-7 Band)



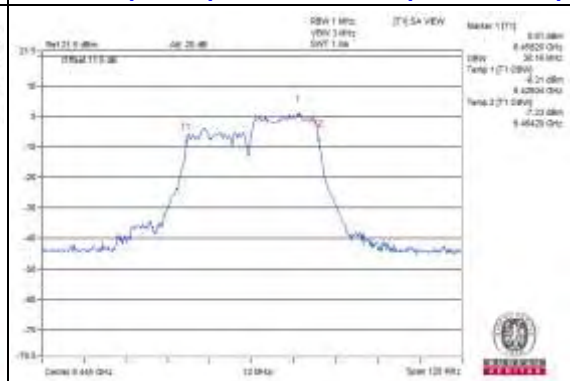
802.11ax (RU106)_Chain 1 / CH187 (U-NII-8 Band)



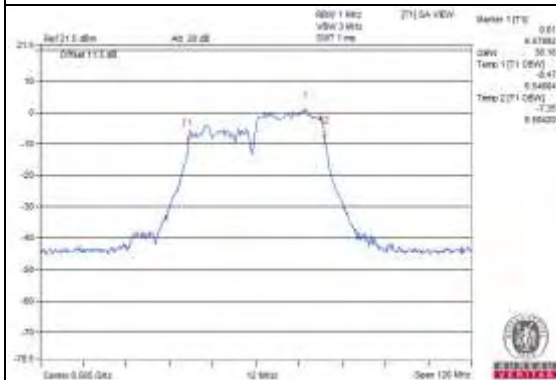
802.11ax (RU242)_Chain 0 / CH3 (U-NII-5 Band)



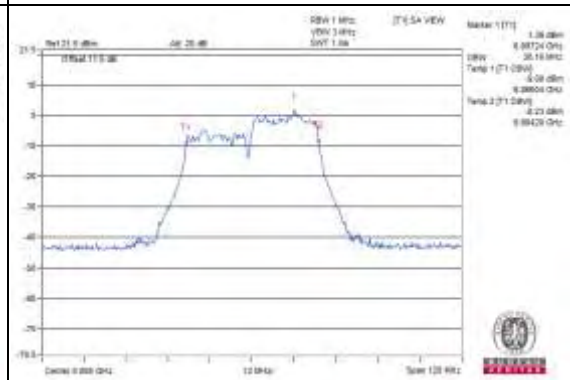
802.11ax (RU242)_Chain 0 / CH99 (U-NII-6 Band)



802.11ax (RU242)_Chain 0 / CH123 (U-NII-7 Band)

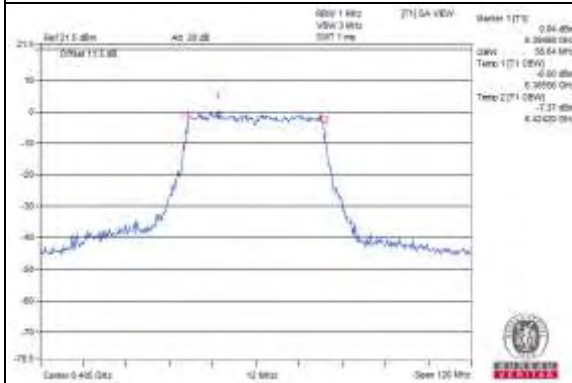


802.11ax (RU242)_Chain 0 / CH187 (U-NII-8 Band)

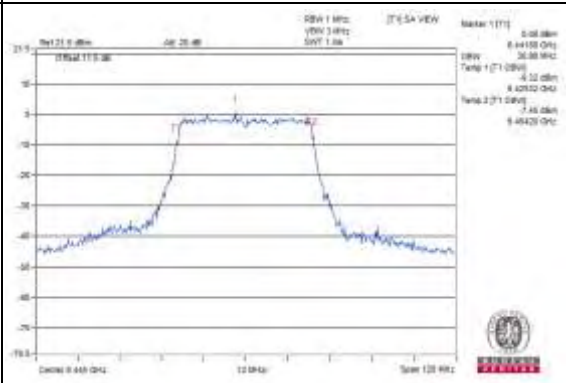


Spectrum Plot of Max. Value

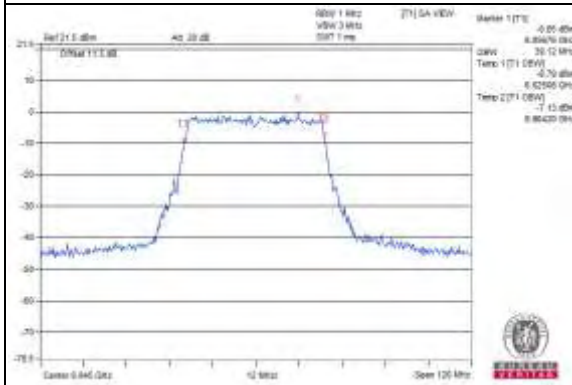
802.11ax (RU484)_Chain 0 / CH91 (U-NII-5 Band)



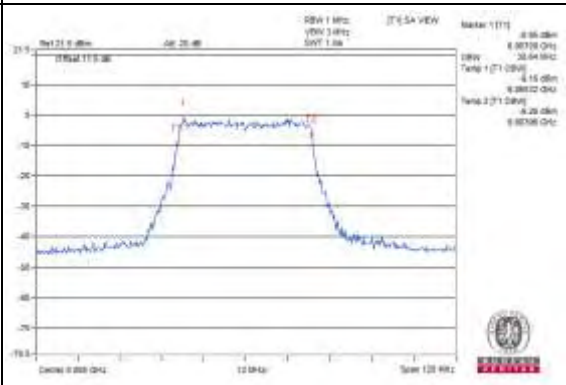
802.11ax (RU484)_Chain 0 / CH99 (U-NII-6 Band)



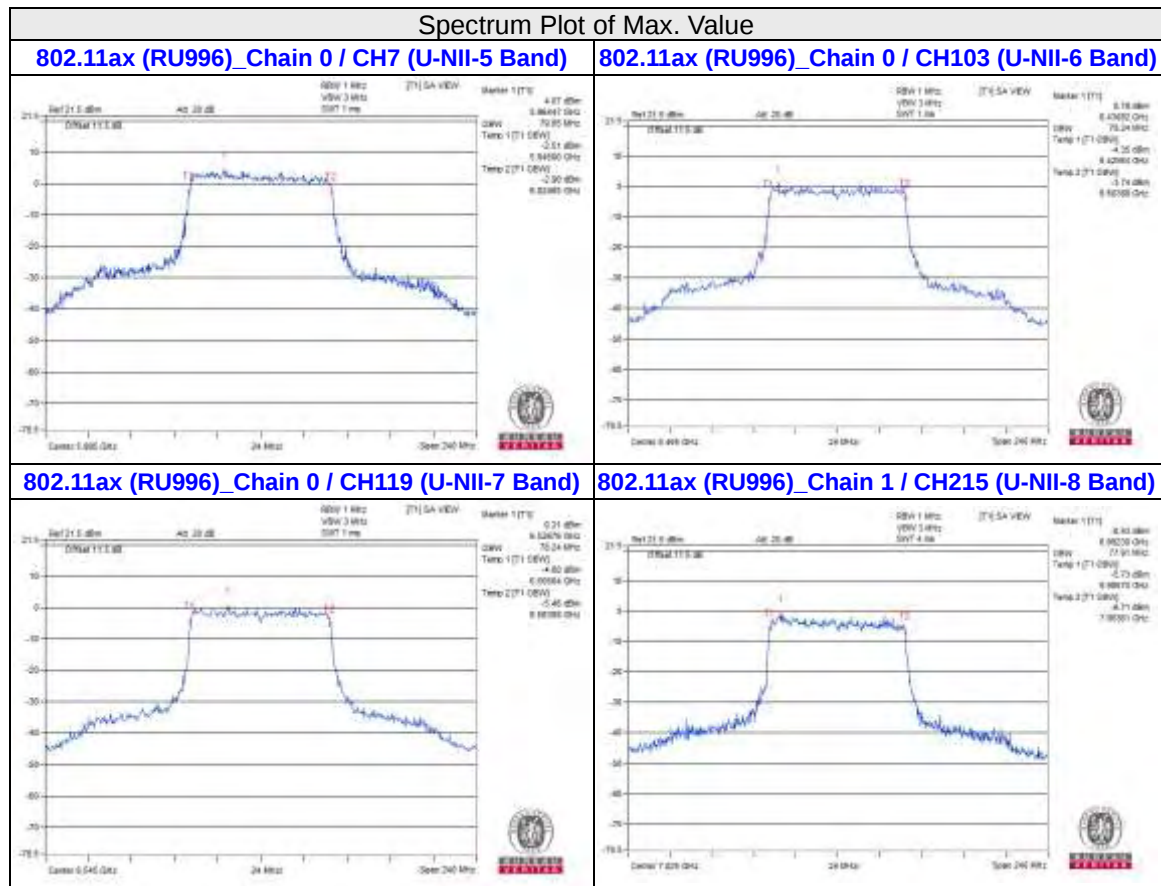
802.11ax (RU484)_Chain 0 / CH179 (U-NII-7 Band)



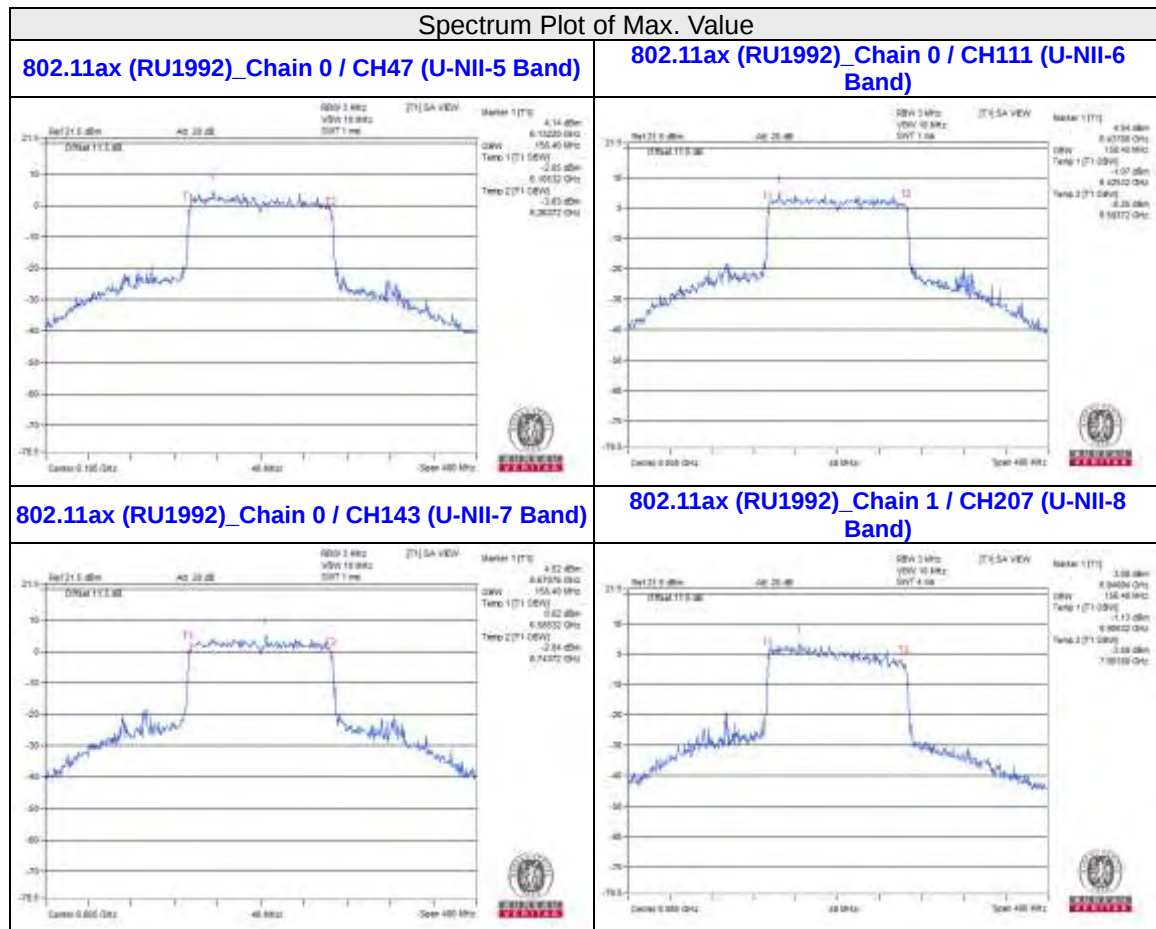
802.11ax (RU484)_Chain 0 / CH187 (U-NII-8 Band)



80MHz Preamble



160MHz Preamble



26dB Bandwidth:

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain0	Chain1
2	5935	19.77	19.56
1	5955	19.51	19.53
45	6175	19.68	19.52
93	6415	19.55	19.48
97	6435	19.62	19.48
105	6475	19.57	19.42
113	6515	19.55	19.59
117	6535	19.67	19.51
149	6695	19.73	19.65
181	6855	19.8	19.62
185	6875	19.77	19.61
209	6995	19.35	19.4
229	7095	19.67	19.32
233	7115	19.64	19.4

802.11ax (HE20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain0	Chain1
2	5935	20.92	320
1	5955	20.89	320
45	6175	21.22	320
93	6415	21.28	320
97	6435	21.04	320
105	6475	20.95	320
113	6515	21.15	320
117	6535	21.22	320
149	6695	21.09	320
181	6855	21.31	320
185	6875	21.24	320
209	6995	20.84	320
229	7095	20.76	320
233	7115	21.01	320

802.11ax (HE40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain0	Chain1
3	5965	41.14	41.57
43	6165	41.34	41.72
91	6405	41.37	41.81
99	6445	41.55	41.69
107	6485	41.6	41.53
115	6525	41.54	41.24
123	6565	41.61	41.5
155	6725	41.73	41.63
179	6845	41.65	41.8
187	6885	41.45	41.83
211	7005	41.54	41.71
227	7085	41.52	41.76

802.11ax (HE80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain0	Chain1
7	5985	82.33	82.52
39	6145	82.32	82.73
87	6385	82.32	82.69
103	6465	82.15	82.82
119	6545	82.59	82.52
151	6705	82.49	82.72
183	6865	81.6	82.28
199	6945	82.43	82.4
215	7025	82.36	82.15

802.11ax (HE160)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		Chain0	Chain1
15	6025	167.41	167.56
47	6185	167.89	167.38
79	6345	168.05	168.57
111	6505	167.17	167.33
143	6665	167.23	166.11
175	6825	167.71	166.29
207	6985	165.66	166.83

20MHz Preamble

802.11ax (RU26)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
26/0	2	5935	20.9	20.78
26/0	1	5955	20.69	20.9
26/4	45	6175	19.18	18.76
26/8	93	6415	20.9	20.72
26/0	97	6435	20.78	20.84
26/4	105	6475	19.19	18.72
26/8	113	6515	21.13	20.63
26/0	117	6535	20.71	20.8
26/4	149	6695	19.17	18.77
26/8	181	6855	21.14	20.45
26/8	185	6875	20.92	20.48
26/0	209	6995	21.32	20.7
26/4	229	7095	19.18	18.62
26/8	233	7115	21.09	20.71

802.11ax (RU52)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
52/37	2	5935	21.4	21.4
52/37	1	5955	20.95	20.97
52/38	45	6175	19.62	18.91
52/40	93	6415	21.28	21.02
52/37	97	6435	21.43	21.24
52/38	105	6475	19.61	18.95
52/40	113	6515	21.22	21
52/37	117	6535	21.28	21.27
52/38	149	6695	19.74	18.93
52/40	181	6855	21.32	21.22
52/40	185	6875	21.42	20.91
52/37	209	6995	20.62	21.22
52/38	229	7095	19.7	18.97
52/40	233	7115	21.38	20.95

802.11ax (RU106)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
106/53	2	5935	22.56	21.92
106/53	1	5955	21.79	21.74
106/53	45	6175	22.36	21.93
106/54	93	6415	21.83	21.43
106/53	97	6435	22.63	21.9
106/53	105	6475	22.5	21.73
106/54	113	6515	22.02	20.93
106/53	117	6535	22.27	21.87
106/54	149	6695	21.99	21.16
106/54	181	6855	22.36	21.17
106/54	185	6875	21.42	20.72
106/53	209	6995	22.09	21.73
106/54	229	7095	22.07	21.1
106/54	233	7115	22.15	21.13

802.11ax (RU242)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
242/61	2	5935	23.9	23.34
242/61	1	5955	23.62	23.19
242/61	45	6175	23.78	23.75
242/61	93	6415	24.1	23.47
242/61	97	6435	23.77	23.46
242/61	105	6475	23.66	23.82
242/61	113	6515	23.17	23.66
242/61	117	6535	23.84	24.07
242/61	149	6695	23.7	23.9
242/61	181	6855	23.75	23.59
242/61	185	6875	23.54	23.51
242/61	209	6995	23.39	23.21
242/61	229	7095	23.8	23.38
242/61	233	7115	23.73	23.33

40MHz Preamble

802.11ax (RU26)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
26/9	3	5965	39.34	39.01
26/27	43	6165	39.88	39.06
26/27	91	6405	39.83	39
26/9	99	6445	39.38	38.96
26/27	107	6485	39.86	39.07
26/27	115	6525	39.64	38.9
26/9	123	6565	39.36	39.04
26/9	155	6725	39.32	38.98
26/27	179	6845	39.82	38.94
26/9	187	6885	39.44	38.97
26/9	211	7005	39.38	39.16
26/27	227	7085	39.82	38.88

802.11ax (RU52)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
52/41	3	5965	40.03	39.37
52/48	43	6165	40.36	39.94
52/48	91	6405	40.58	39.89
52/41	99	6445	39.86	39.66
52/41	107	6485	40.65	39.74
52/48	115	6525	40.2	39.97
52/41	123	6565	40.15	39.53
52/41	155	6725	39.88	39.62
52/48	179	6845	40.48	39.77
52/41	187	6885	40.21	39.68
52/41	211	7005	40.13	39.56
52/48	227	7085	40.7	39.91

802.11ax (RU106)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
106/55	3	5965	40.97	41.38
106/58	43	6165	40.39	41.01
106/58	91	6405	40.8	41.18
106/55	99	6445	40.8	41.42
106/58	107	6485	40.78	40.93
106/58	115	6525	40.74	41.03
106/55	123	6565	40.7	41.08
106/55	155	6725	41.08	41.13
106/58	179	6845	40.75	41.24
106/55	187	6885	41.28	41.18
106/55	211	7005	41.01	41.45
106/58	227	7085	40.77	40.49

802.11ax (RU242)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
242/63	3	5965	46.67	44.33
242/62	43	6165	44.11	44.16
242/62	91	6405	43.75	44.06
242/63	99	6445	45.41	44.03
242/62	107	6485	44.67	43.84
242/62	115	6525	44.99	44.23
242/63	123	6565	45.74	44.14
242/63	155	6725	45.94	44.25
242/62	179	6845	44.91	43.96
242/63	187	6885	44.87	43.81
242/63	211	7005	47	44.32
242/62	227	7085	44.92	44.03

802.11ax (RU484)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
484/65	3	5965	47.2	46.09
484/65	43	6165	47.38	46.41
484/65	91	6405	47.51	46.53
484/65	99	6445	46.95	46.33
484/65	107	6485	46.69	45.78
484/65	115	6525	46.8	46.52
484/65	123	6565	47.55	46.54
484/65	155	6725	46.87	46.39
484/65	179	6845	46.75	46.06
484/65	187	6885	47.63	46.67
484/65	211	7005	47.28	45.35
484/65	227	7085	48.28	46.16

80MHz Preamble

802.11ax (RU996)

RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
996/67	7	5985	90.41	90.49
996/67	39	6145	92.22	89.45
996/67	87	6385	92.18	89.06
996/67	103	6465	93.02	89.8
996/67	119	6545	91.51	88.67
996/67	135	6625	91.49	88.63
996/67	151	6705	91.05	88.45
996/67	167	6785	91.1	88.82
996/67	183	6865	89.45	89.22
996/67	199	6945	90.16	89.37
996/67	215	7025	88.17	89.3

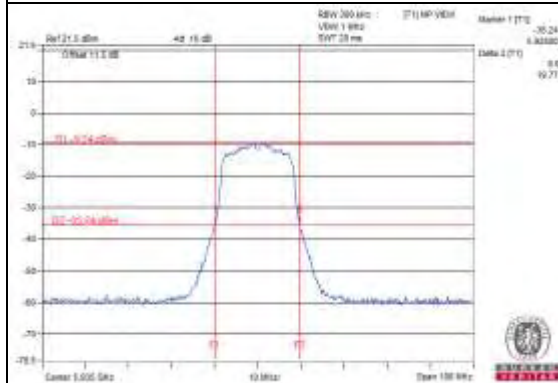
160MHz Preamble

802.11ax (RU1992)

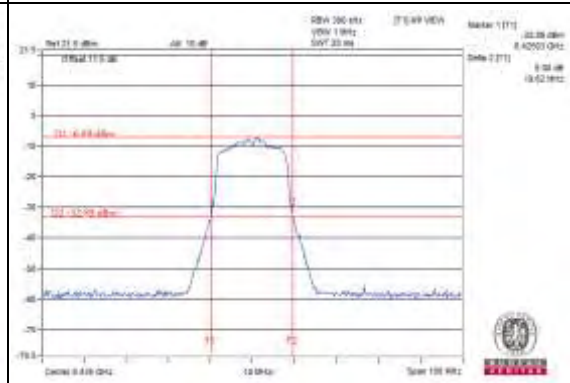
RU Configuration	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			Chain0	Chain1
1992/68	15	6025	250.51	219.93
1992/68	47	6185	249.1	249.16
1992/68	79	6345	329.12	243.98
1992/68	111	6505	324.66	248.69
1992/68	143	6665	324.87	326.6
1992/68	175	6825	278.3	217.49
1992/68	207	6985	220.54	218.54

Spectrum Plot of Max. Value

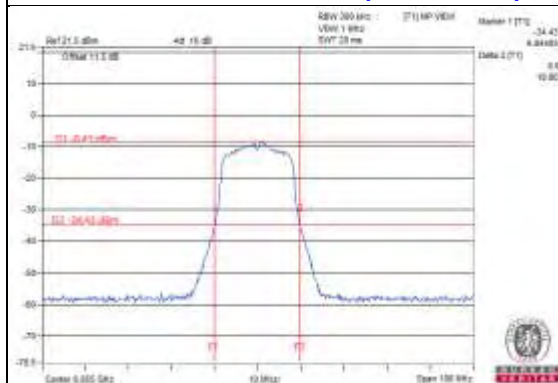
802.11a_Chain 0 / CH2 (U-NII-5 Band)



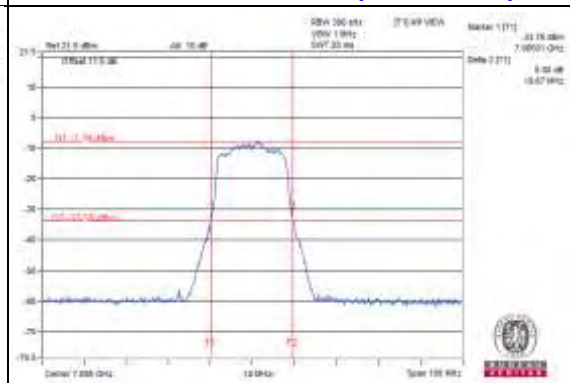
802.11a_Chain 0 / CH97 (U-NII-6 Band)



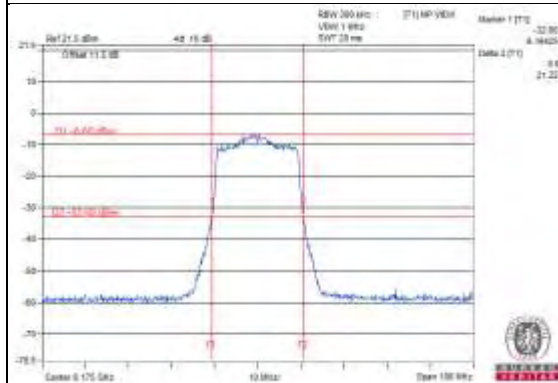
802.11a_Chain 0 / CH181 (U-NII-7 Band)



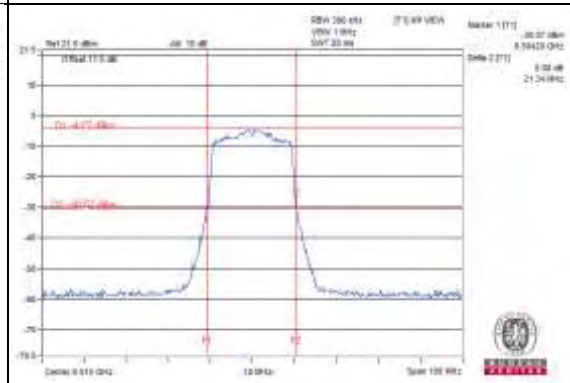
802.11a_Chain 0 / CH229 (U-NII-8 Band)



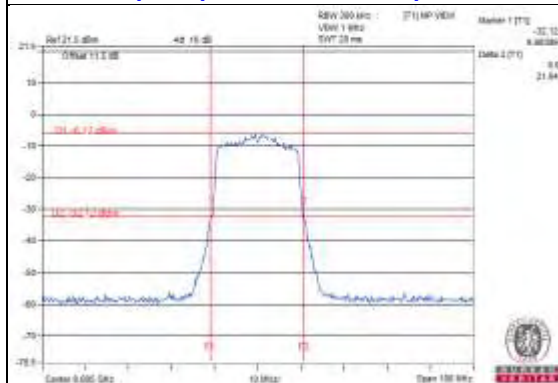
802.11ax (HE20)_Chain 1 / CH45 (U-NII-5 Band)



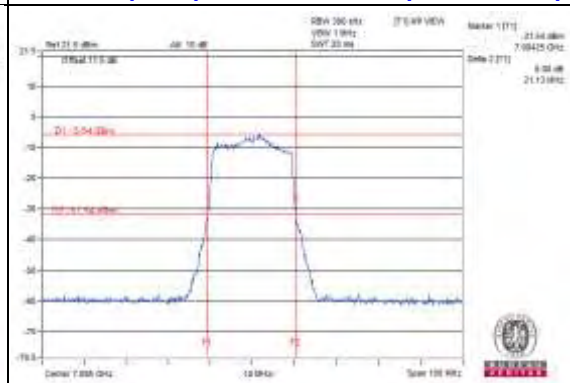
802.11ax (HE20)_Chain 0 / CH113 (U-NII-6 Band)



802.11ax (HE20)_Chain 0 / CH149 (U-NII-7 Band)

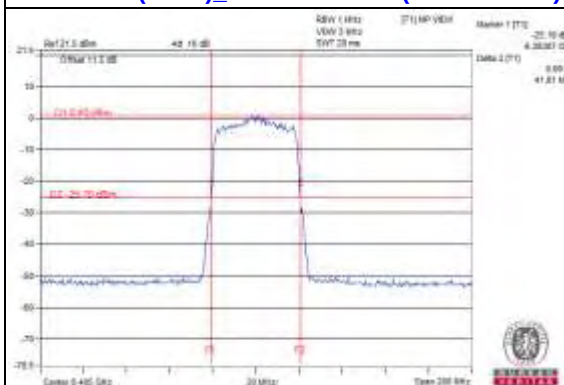


802.11ax (HE20)_Chain 0 / CH229 (U-NII-8 Band)

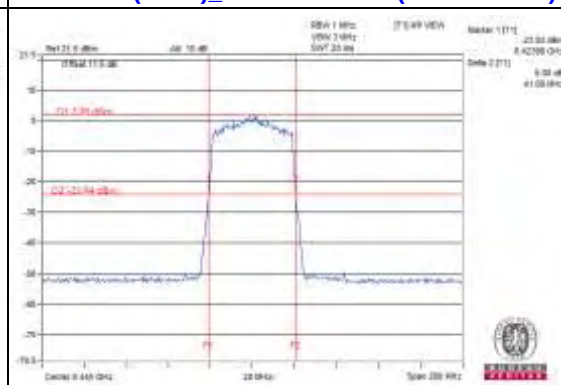


Spectrum Plot of Max. Value

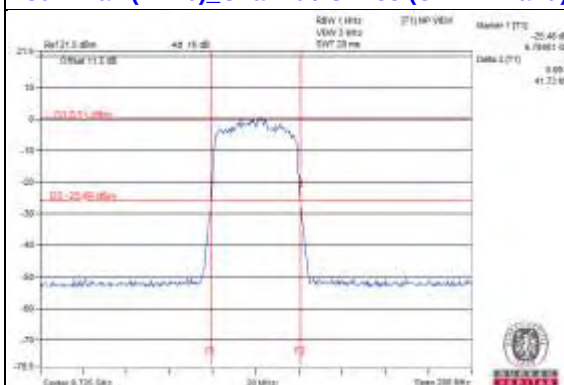
802.11ax (HE40)_Chain 1 / CH91 (U-NII-5 Band)



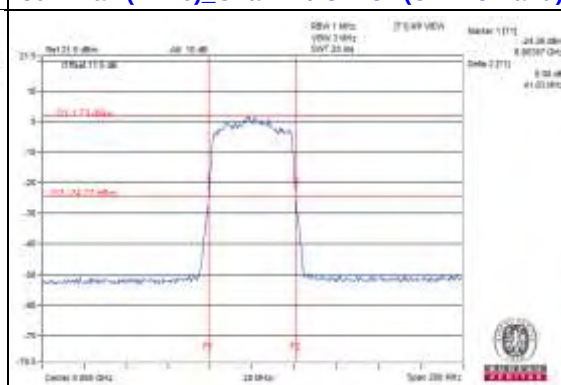
802.11ax (HE40)_Chain 1 / CH99 (U-NII-6 Band)



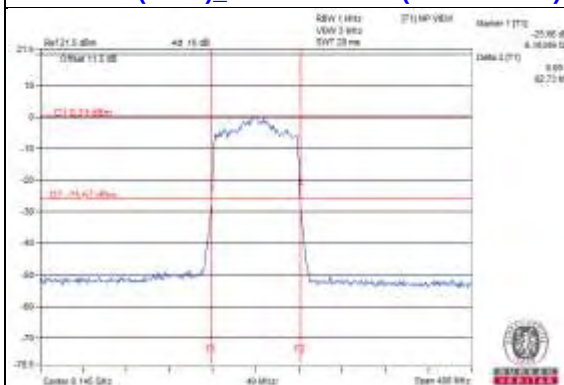
802.11ax (HE40)_Chain 0 / CH155 (U-NII-7 Band)



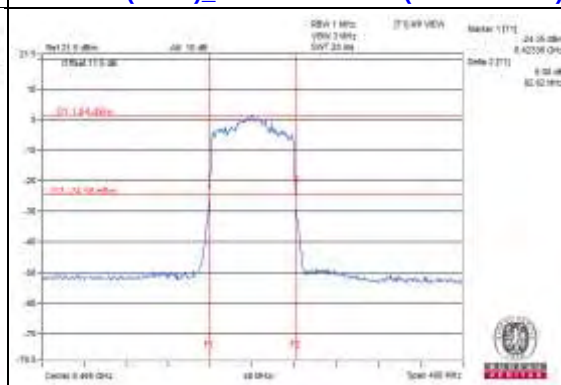
802.11ax (HE40)_Chain 1 / CH187 (U-NII-8 Band)



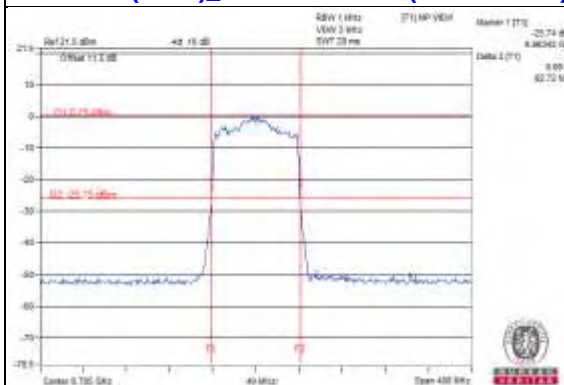
802.11ax (HE80)_Chain 1 / CH39 (U-NII-5 Band)



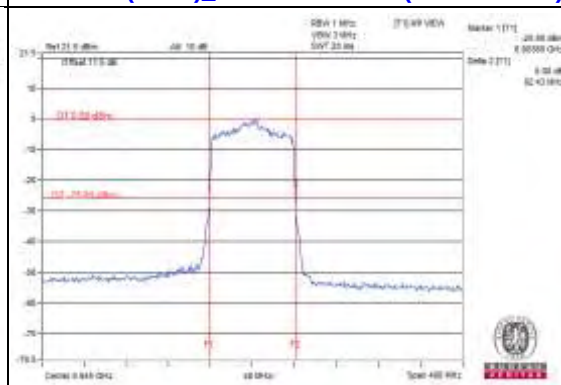
802.11ax (HE80)_Chain 1 / CH103 (U-NII-6 Band)



802.11ax (HE80)_Chain 1 / CH151 (U-NII-7 Band)

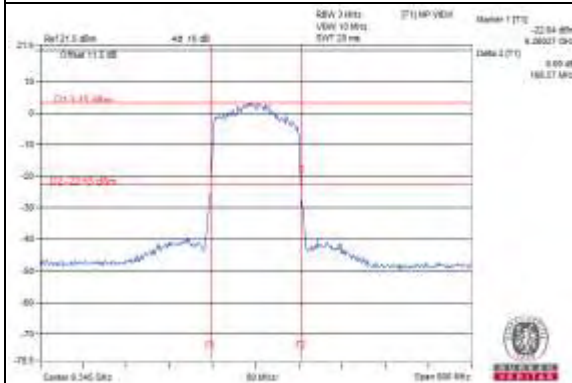


802.11ax (HE80)_Chain 0 / CH199 (U-NII-8 Band)

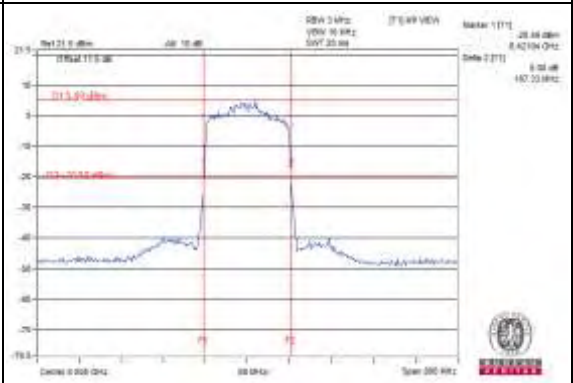


Spectrum Plot of Max. Value

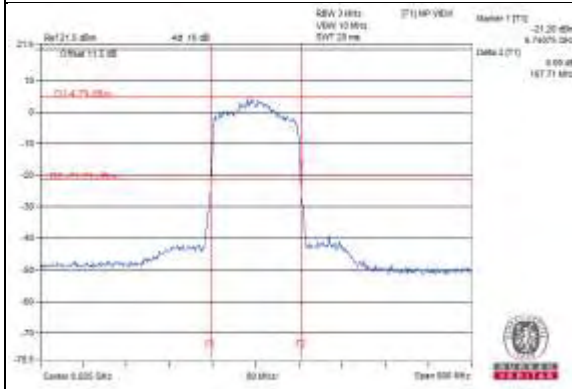
802.11ax (HE160)_Chain 1 / CH79 (U-NII-5 Band)



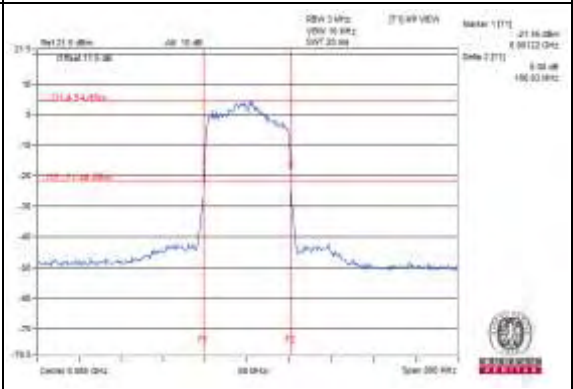
802.11ax (HE160)_Chain 1 / CH111 (U-NII-6 Band)



802.11ax (HE160)_Chain 0 / CH175 (U-NII-7 Band)



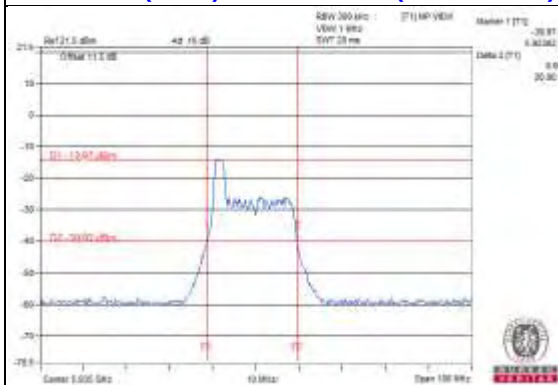
802.11ax (HE160)_Chain 1 / CH207 (U-NII-8 Band)



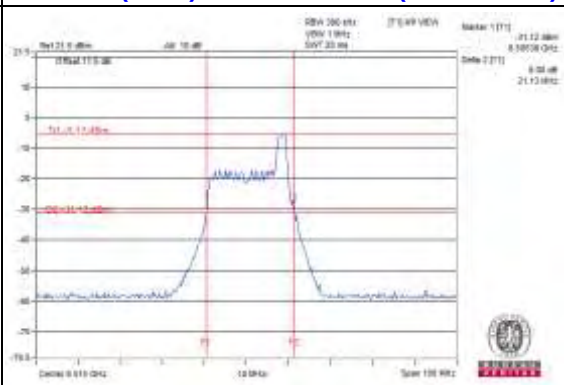
20MHz Preamble

Spectrum Plot of Max. Value

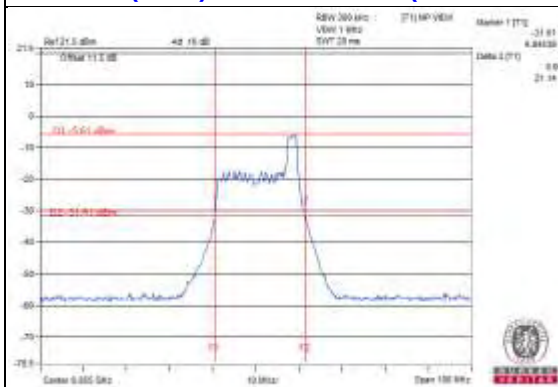
802.11ax (RU26)_Chain 0 / CH2 (U-NII-5 Band)



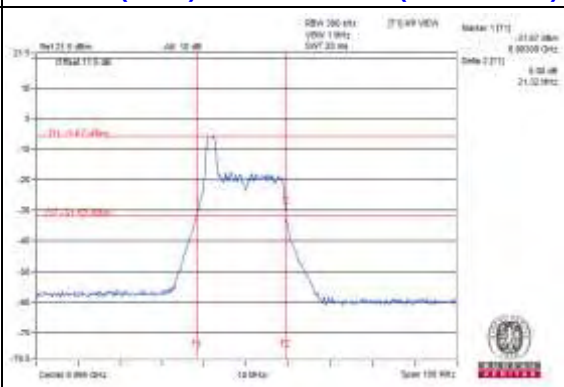
802.11ax (RU26)_Chain 0 / CH113 (U-NII-6 Band)



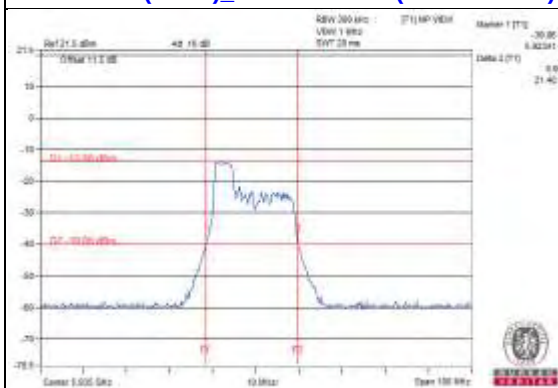
802.11ax (RU26)_Chain 0 / CH181 (U-NII-7 Band)



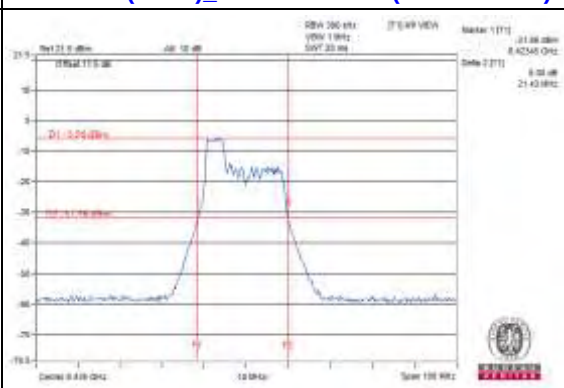
802.11ax (RU26)_Chain 0 / CH209 (U-NII-8 Band)



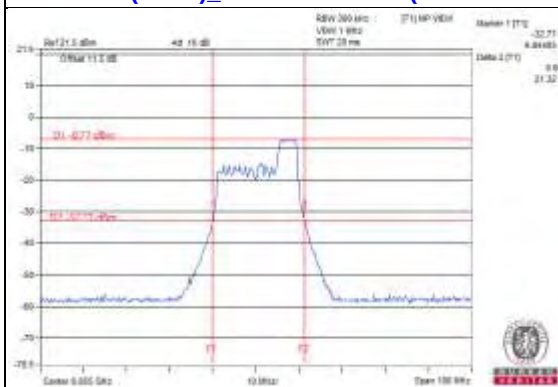
802.11ax (RU52)_Chain 0 / CH2 (U-NII-5 Band)



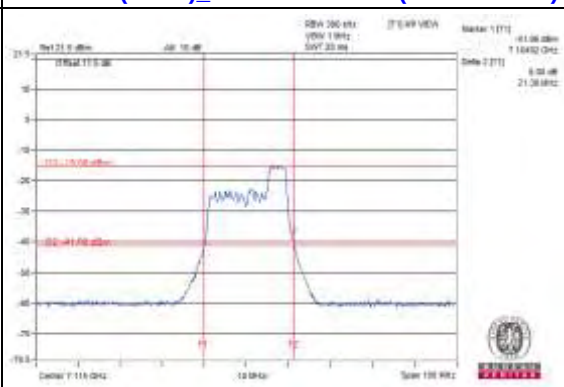
802.11ax (RU52)_Chain 0 / CH97 (U-NII-6 Band)



802.11ax (RU52)_Chain 0 / CH181 (U-NII-7 Band)

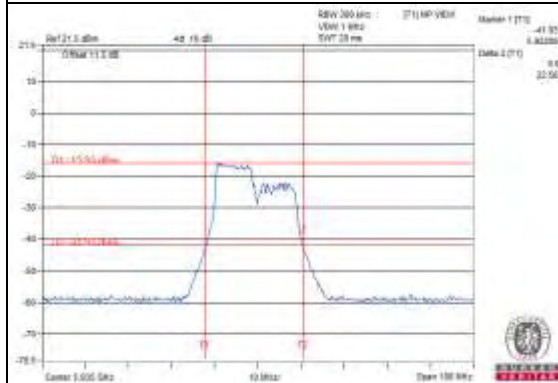


802.11ax (RU52)_Chain 0 / CH233 (U-NII-8 Band)

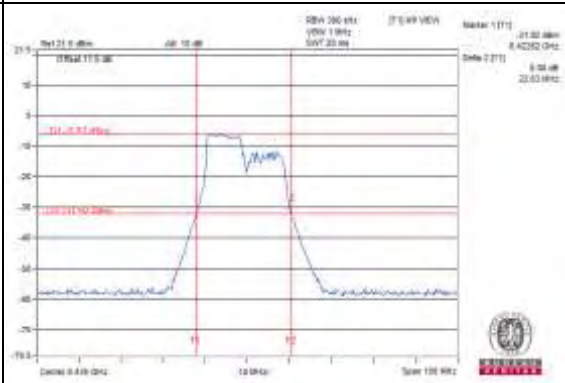


Spectrum Plot of Max. Value

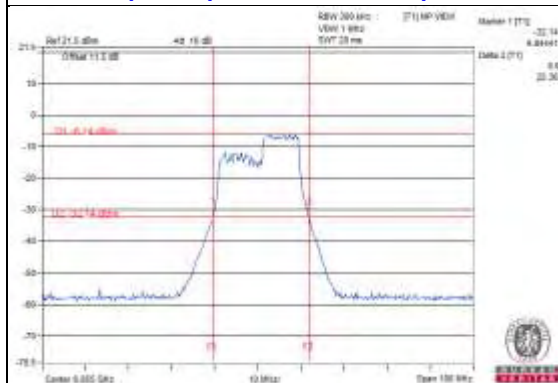
802.11ax (RU106)_Chain 0 / CH2 (U-NII-5 Band)



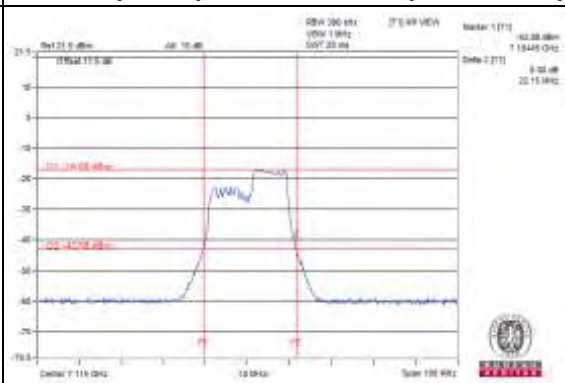
802.11ax (RU106)_Chain 0 / CH97 (U-NII-6 Band)



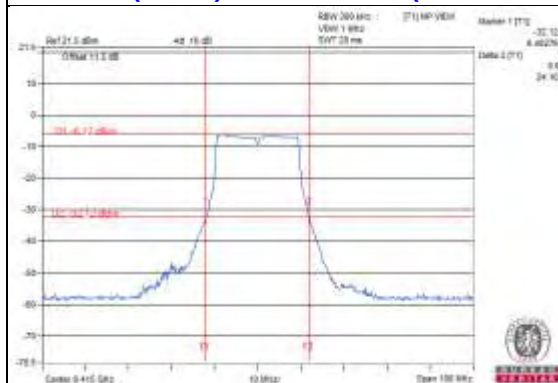
802.11ax (RU106)_Chain 0 / CH181 (U-NII-7 Band)



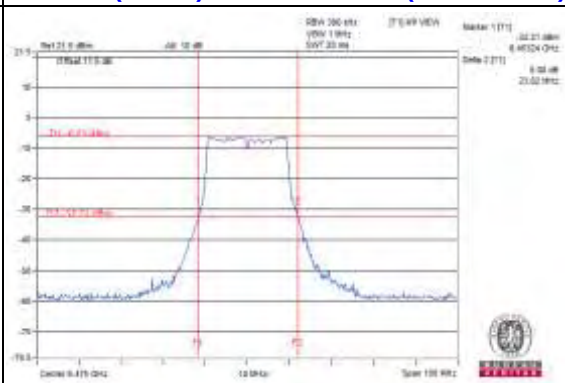
802.11ax (RU106)_Chain 0 / CH233 (U-NII-8 Band)



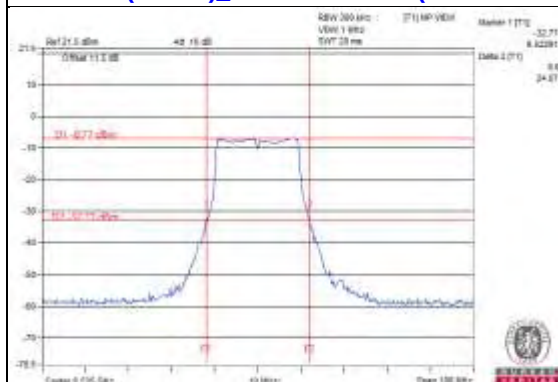
802.11ax (RU242)_Chain 0 / CH93 (U-NII-5 Band)



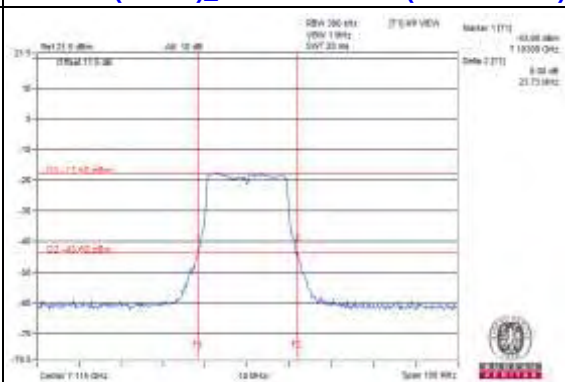
802.11ax (RU242)_Chain 1 / CH105 (U-NII-6 Band)



802.11ax (RU242)_Chain 1 / CH117 (U-NII-7 Band)

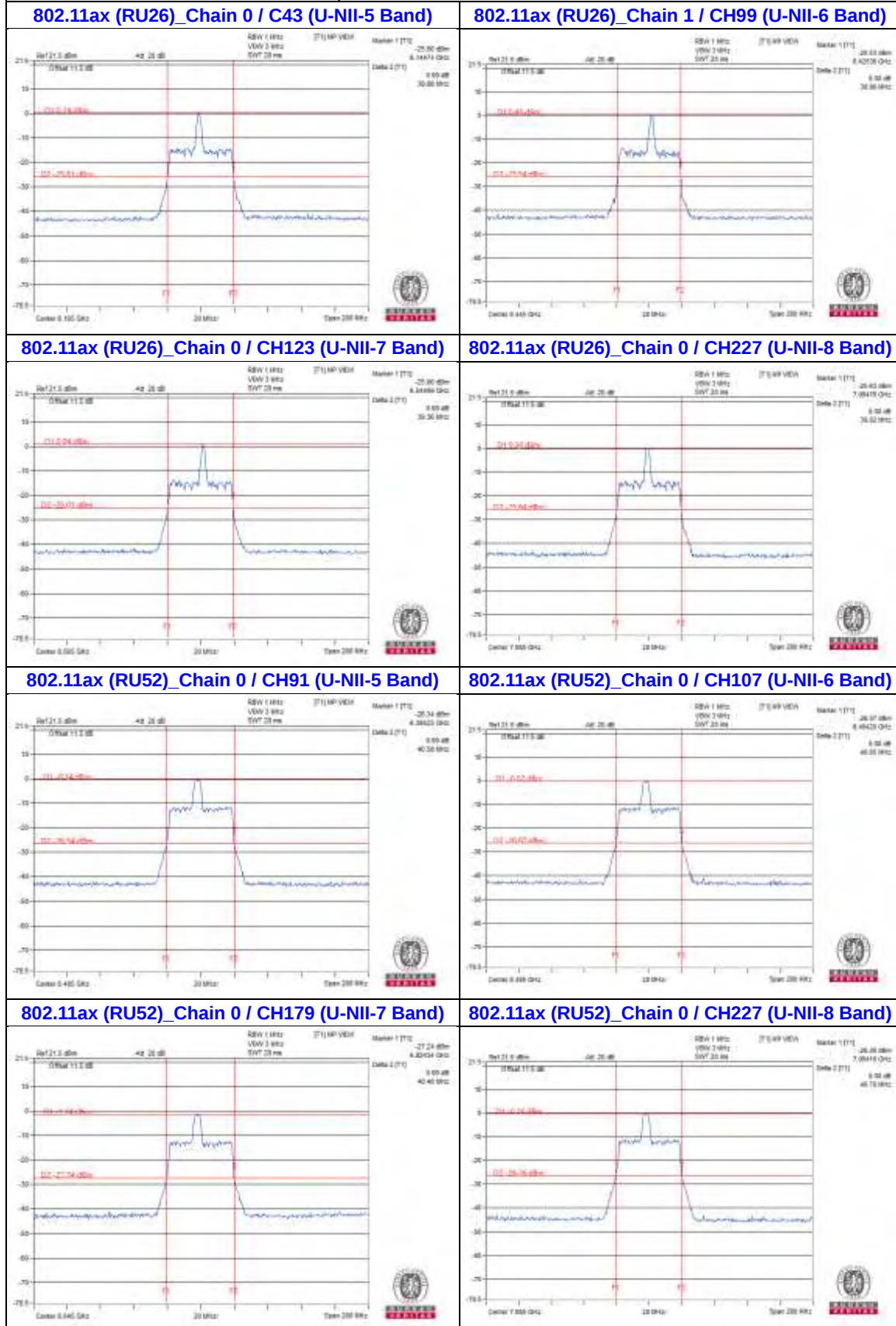


802.11ax (RU242)_Chain 0 / CH233 (U-NII-8 Band)



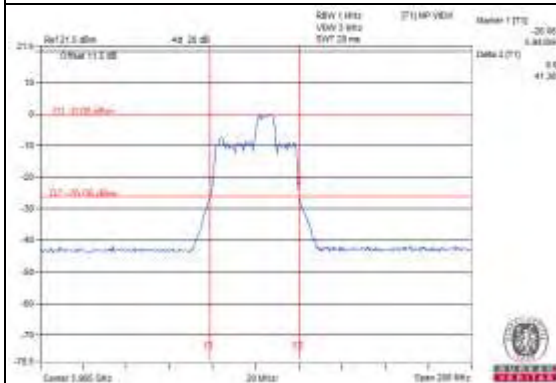
40MHz Preamble

Spectrum Plot of Max. Value

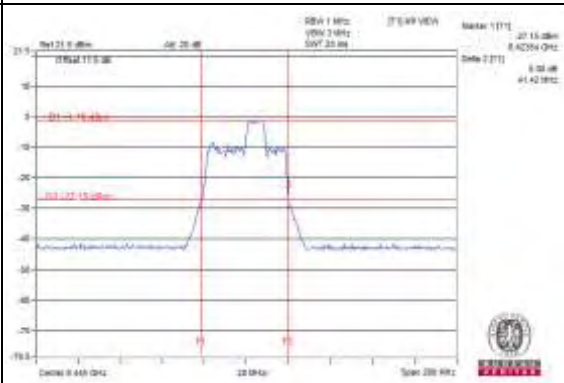


Spectrum Plot of Max. Value

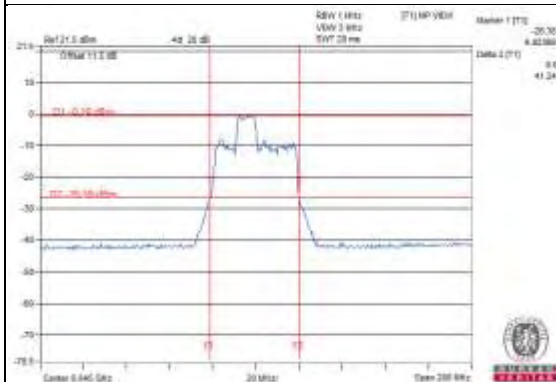
802.11ax (RU106)_Chain 1 / CH3 (U-NII-5 Band)



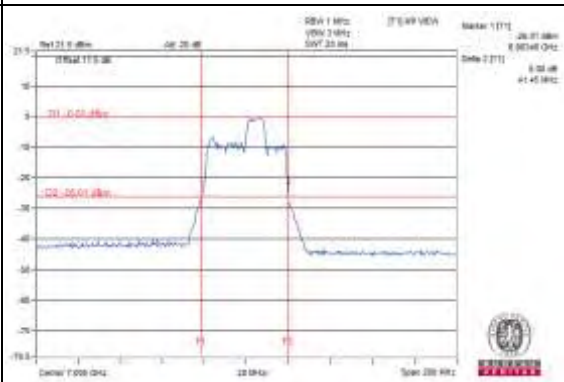
802.11ax (RU106)_Chain 1 / CH99 (U-NII-6 Band)



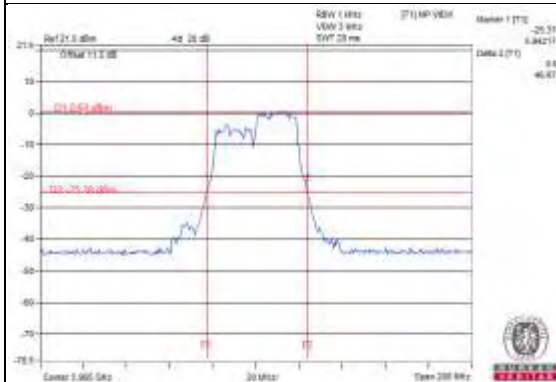
802.11ax (RU106)_Chain 1 / CH179 (U-NII-7 Band)



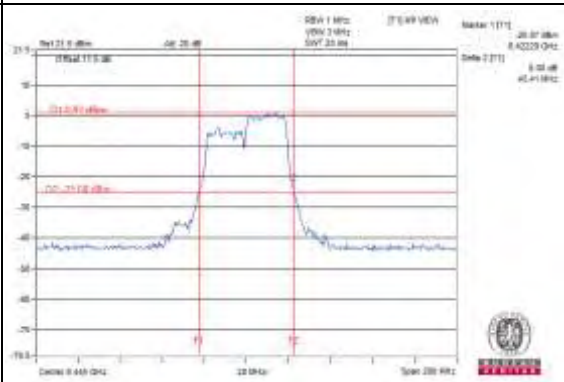
802.11ax (RU106)_Chain 1 / CH211 (U-NII-8 Band)



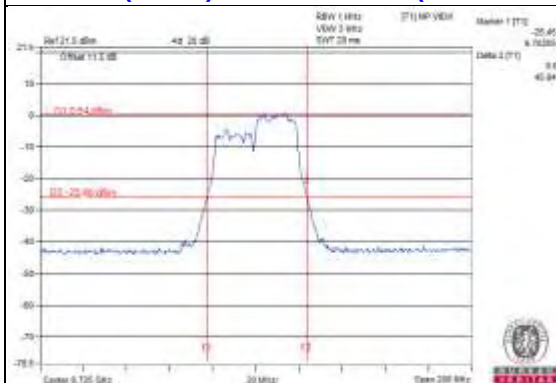
802.11ax (RU242)_Chain 0 / CH3 (U-NII-5 Band)



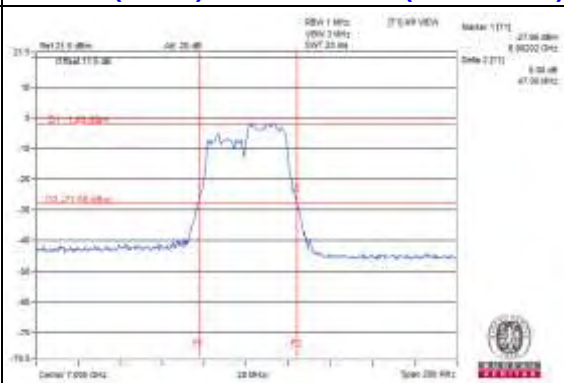
802.11ax (RU242)_Chain 0 / CH99 (U-NII-6 Band)



802.11ax (RU242)_Chain 0 / CH155 (U-NII-7 Band)

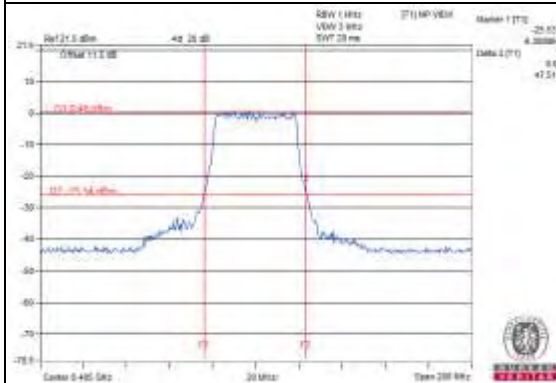


802.11ax (RU242)_Chain 0 / CH211 (U-NII-8 Band)

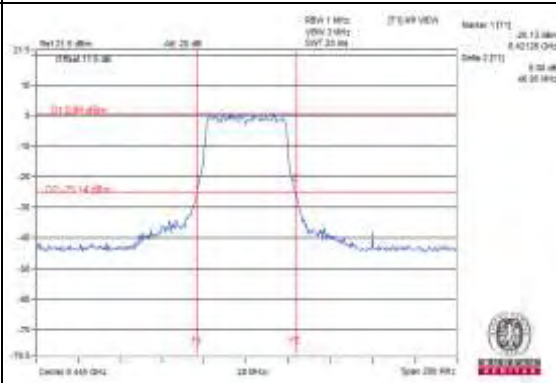


Spectrum Plot of Max. Value

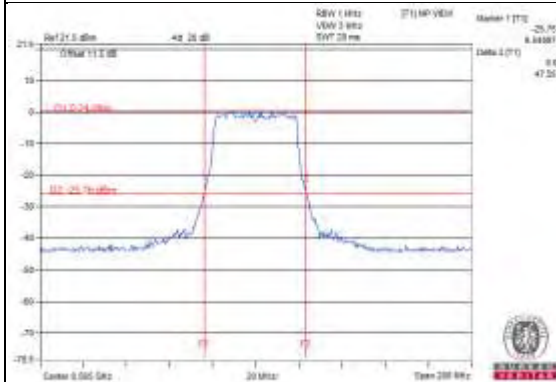
802.11ax (RU484)_Chain 0 / CH91 (U-NII-5 Band)



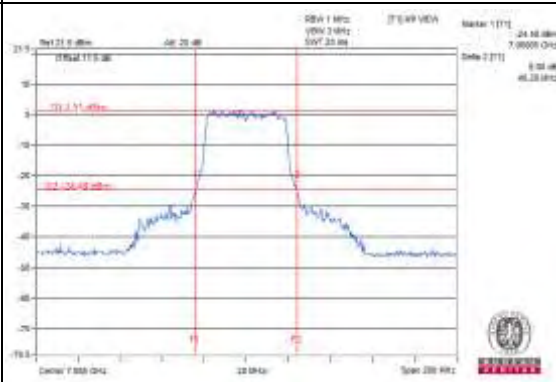
802.11ax (RU484)_Chain 0 / CH99 (U-NII-6 Band)



802.11ax (RU484)_Chain 0 / CH123 (U-NII-7 Band)



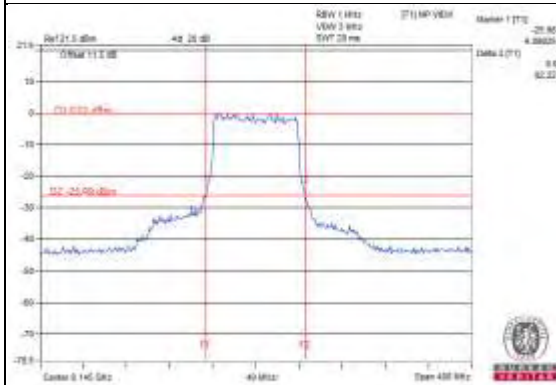
802.11ax (RU484)_Chain 0 / CH227 (U-NII-8 Band)



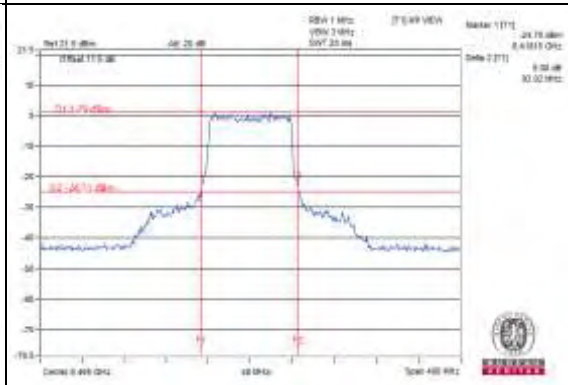
80MHz Preamble

Spectrum Plot of Max. Value

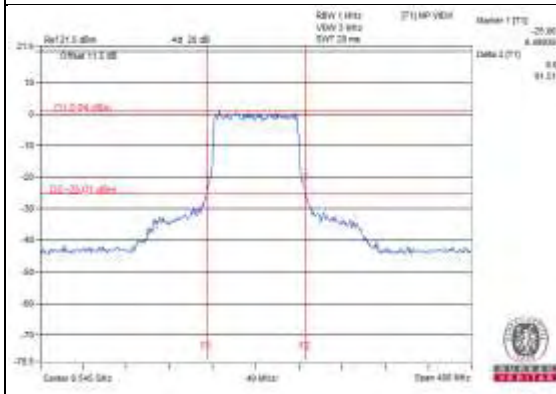
802.11ax (RU996)_Chain 0 / CH39 (U-NII-5 Band)



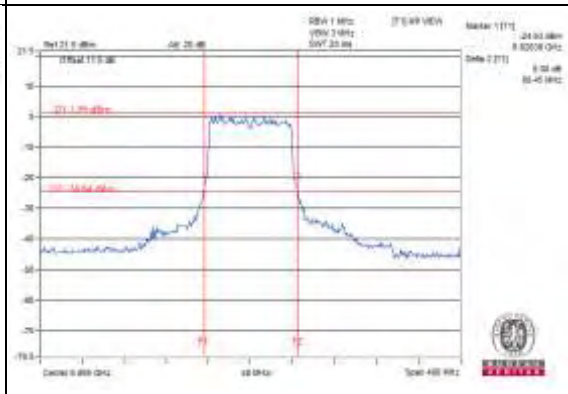
802.11ax (RU996)_Chain 0 / CH103 (U-NII-6 Band)



802.11ax (RU996)_Chain 0 / CH119 (U-NII-7 Band)



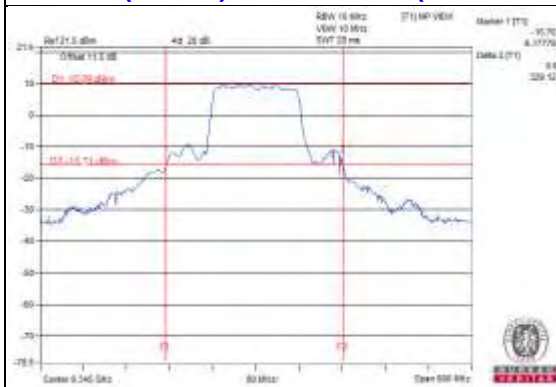
802.11ax (RU996)_Chain 0 / CH199 (U-NII-8 Band)



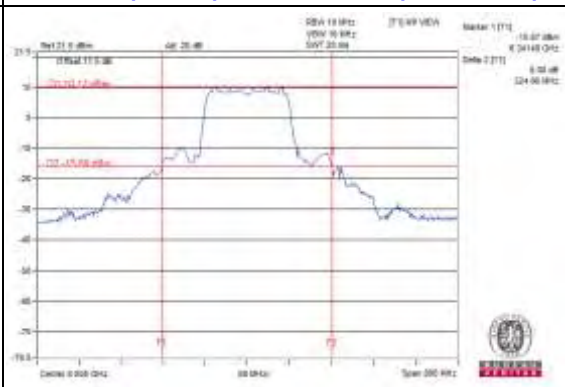
160MHz Preamble

Spectrum Plot of Max. Value

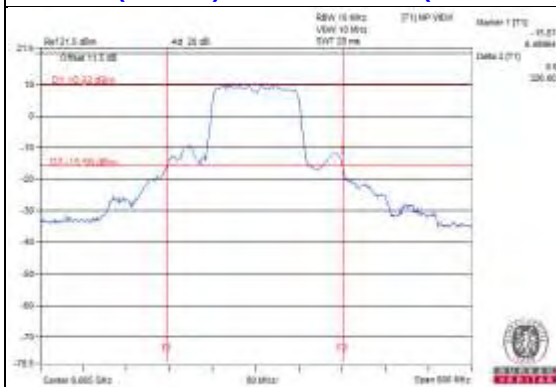
802.11ax (RU1992)_Chain 0 / CH79 (U-NII-5 Band)



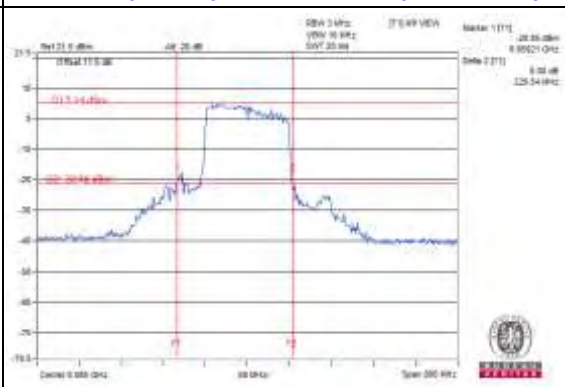
802.11ax (RU1992)_Chain 0 / CH111 (U-NII-6 Band)



802.11ax (RU1992)_Chain 1 / CH143 (U-NII-7 Band)



802.11ax (RU1992)_Chain 0 / CH207 (U-NII-8 Band)



4.6 Peak Power Spectral Density Measurement

4.6.1 Limits of Peak Power Spectral Density Measurement

Operation Band	EUT Category	Limit
		Peak Power Density (EIRP)
U-NII-5 U-NII-6 U-NII-7 U-NII-8	Dual Client Devices (controlled of an indoor AP)	-1 dBm/MHz
U-NII-5 U-NII-7	Dual Client Devices (controlled of an standard power AP)	17 dBm/MHz

4.6.2 Test Setup



4.6.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.6.4 Test Procedure

Using method SA-2

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz
- Sweep time = auto, trigger set to "free run".
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Record the max value and add $10 \log (1/\text{duty cycle})$

4.6.5 EUT Operating Condition

Same as Item 4.3.6.

4.6.6 Test Results (Mode 1)

802.11a

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1					
2	5935	-0.51	0.42	2.99	8.15	11.14	17.00	Pass
1	5955	5.53	5.81	8.68	8.15	16.83	17.00	Pass
45	6175	5.28	5.65	8.48	8.15	16.63	17.00	Pass
93	6415	5.60	5.60	8.61	8.15	16.76	17.00	Pass
117	6535	5.66	5.91	8.80	8.17	16.97	17.00	Pass
149	6695	5.29	5.79	8.56	8.17	16.73	17.00	Pass
181	6855	5.83	4.94	8.42	8.17	16.59	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1					
2	5935	-17.18	-17.04	-14.10	8.15	-5.95	17.00	Pass
1	5955	4.67	4.60	7.65	8.15	15.80	17.00	Pass
45	6175	5.19	4.57	7.90	8.15	16.05	17.00	Pass
93	6415	4.56	5.05	7.82	8.15	15.97	17.00	Pass
117	6535	5.05	5.34	8.21	8.17	16.38	17.00	Pass
149	6695	5.51	5.02	8.28	8.17	16.45	17.00	Pass
181	6855	5.30	5.04	8.18	8.17	16.35	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1					
3	5965	2.00	1.54	4.79	8.15	12.94	17.00	Pass
43	6165	2.58	3.23	5.93	8.15	14.08	17.00	Pass
91	6405	1.67	4.00	6.00	8.15	14.15	17.00	Pass
123	6565	2.67	4.79	6.87	8.17	15.04	17.00	Pass
155	6725	1.34	1.19	4.28	8.17	12.45	17.00	Pass
179	6845	0.85	1.07	3.97	8.17	12.14	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1					
7	5985	-0.95	-1.46	1.81	8.15	9.96	17.00	Pass
39	6145	0.03	-0.98	2.56	8.15	10.71	17.00	Pass
87	6385	-1.20	-0.80	2.01	8.15	10.16	17.00	Pass
135	6625	-0.35	-1.28	2.22	8.17	10.39	17.00	Pass
151	6705	-0.51	-1.47	2.05	8.17	10.22	17.00	Pass
167	6785	-1.99	-1.60	1.22	8.17	9.39	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1					
15	6025	-4.26	-4.17	-1.20	8.15	6.95	17.00	Pass
47	6185	-3.60	-4.52	-1.03	8.15	7.12	17.00	Pass
79	6345	-4.01	-4.95	-1.44	8.15	6.71	17.00	Pass
143	6665	-3.31	-4.68	-0.93	8.17	7.24	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

20MHz Preamble

802.11ax (RU26)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
26/0	2	5935	-15.12	-15.94	-12.50	8.15	-4.35	17.00	Pass
26/0	1	5955	5.48	5.71	8.61	8.15	16.76	17.00	Pass
26/4	45	6175	5.30	5.40	8.36	8.15	16.51	17.00	Pass
26/8	93	6415	5.69	5.65	8.68	8.15	16.83	17.00	Pass
26/0	117	6535	4.78	5.16	7.98	8.17	16.15	17.00	Pass
26/4	149	6695	4.29	5.52	7.96	8.17	16.13	17.00	Pass
26/8	181	6855	6.00	4.98	8.53	8.17	16.70	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

802.11ax (RU52)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
52/37	2	5935	-15.93	-16.82	-13.34	8.15	-5.19	17.00	Pass
52/37	1	5955	6.03	5.54	8.80	8.15	16.95	17.00	Pass
52/38	45	6175	5.19	5.16	8.19	8.15	16.34	17.00	Pass
52/40	93	6415	5.55	5.47	8.52	8.15	16.67	17.00	Pass
52/37	117	6535	5.69	5.61	8.66	8.17	16.83	17.00	Pass
52/38	149	6695	5.58	5.55	8.58	8.17	16.75	17.00	Pass
52/40	181	6855	4.75	5.34	8.07	8.17	16.24	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

802.11ax (RU106)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
106/53	2	5935	-14.58	-14.86	-11.71	8.15	-3.56	17.00	Pass
106/53	1	5955	2.84	2.77	5.81	8.15	13.96	17.00	Pass
106/53	45	6175	3.05	3.52	6.30	8.15	14.45	17.00	Pass
106/54	93	6415	2.70	3.05	5.89	8.15	14.04	17.00	Pass
106/53	117	6535	3.66	3.66	6.67	8.17	14.84	17.00	Pass
106/54	149	6695	3.83	1.93	5.99	8.17	14.16	17.00	Pass
106/54	181	6855	2.71	-2.21	3.92	8.17	12.09	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (RU242)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
242/61	2	5935	-17.90	-18.34	-15.10	8.15	-6.95	17.00	Pass
242/61	1	5955	-0.51	-0.62	2.45	8.15	10.60	17.00	Pass
242/61	45	6175	0.26	0.12	3.20	8.15	11.35	17.00	Pass
242/61	93	6415	-0.07	-0.06	2.95	8.15	11.10	17.00	Pass
242/61	117	6535	-1.43	0.18	2.46	8.17	10.63	17.00	Pass
242/61	149	6695	-1.72	-0.14	2.15	8.17	10.32	17.00	Pass
242/61	181	6855	-0.91	-1.01	2.05	8.17	10.22	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

40MHz Preamble

802.11ax (RU26)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
26/9	3	5965	5.15	5.24	8.21	8.15	16.36	17.00	Pass
26/27	43	6165	5.61	4.99	8.32	8.15	16.47	17.00	Pass
26/27	91	6405	5.57	5.52	8.56	8.15	16.71	17.00	Pass
26/9	123	6565	5.31	5.20	8.27	8.17	16.44	17.00	Pass
26/9	155	6725	4.53	5.23	7.90	8.17	16.07	17.00	Pass
26/27	179	6845	5.24	5.24	8.25	8.17	16.42	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

802.11ax (RU52)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
52/41	3	5965	6.35	4.95	8.72	8.15	16.87	17.00	Pass
52/48	43	6165	5.85	5.58	8.73	8.15	16.88	17.00	Pass
52/48	91	6405	5.94	5.40	8.69	8.15	16.84	17.00	Pass
52/41	123	6565	5.50	5.64	8.58	8.17	16.75	17.00	Pass
52/41	155	6725	5.77	5.74	8.77	8.17	16.94	17.00	Pass
52/48	179	6845	5.29	5.35	8.33	8.17	16.50	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

802.11ax (RU106)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
106/55	3	5965	2.23	3.06	5.67	8.15	13.82	17.00	Pass
106/58	43	6165	3.12	3.23	6.19	8.15	14.34	17.00	Pass
106/58	91	6405	2.27	3.59	5.99	8.15	14.14	17.00	Pass
106/55	123	6565	2.93	2.73	5.84	8.17	14.01	17.00	Pass
106/55	155	6725	1.90	1.86	4.89	8.17	13.06	17.00	Pass
106/58	179	6845	1.88	1.82	4.86	8.17	13.03	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (RU242)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
242/63	3	5965	0.25	0.34	3.31	8.15	11.46	17.00	Pass
242/62	43	6165	0.48	0.44	3.47	8.15	11.62	17.00	Pass
242/62	91	6405	-4.98	0.56	1.63	8.15	9.78	17.00	Pass
242/63	123	6565	0.63	0.54	3.60	8.17	11.77	17.00	Pass
242/63	155	6725	-3.00	-0.16	1.66	8.17	9.83	17.00	Pass
242/62	179	6845	-2.54	-0.59	1.55	8.17	9.72	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

802.11ax (RU484)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
484/65	3	5965	-3.81	-2.44	-0.06	8.15	8.09	17.00	Pass
484/65	43	6165	-2.03	-0.85	1.61	8.15	9.76	17.00	Pass
484/65	91	6405	-3.87	-2.30	0.00	8.15	8.15	17.00	Pass
484/65	123	6565	-2.81	-2.97	0.12	8.17	8.29	17.00	Pass
484/65	155	6725	-4.58	-2.85	-0.62	8.17	7.55	17.00	Pass
484/65	179	6845	-4.07	-3.93	-0.99	8.17	7.18	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

80MHz Preamble

802.11ax (RU996)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
996/67	7	5985	-6.96	-6.66	-3.80	8.15	4.35	17.00	Pass
996/67	39	6145	-5.99	-5.92	-2.94	8.15	5.21	17.00	Pass
996/67	87	6385	-7.22	-6.26	-3.70	8.15	4.45	17.00	Pass
996/67	135	6625	-5.73	-6.39	-3.04	8.17	5.13	17.00	Pass
996/67	151	6705	-6.19	-6.84	-3.49	8.17	4.68	17.00	Pass
996/67	167	6785	-6.81	-6.72	-3.75	8.17	4.42	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

160MHz Preamble

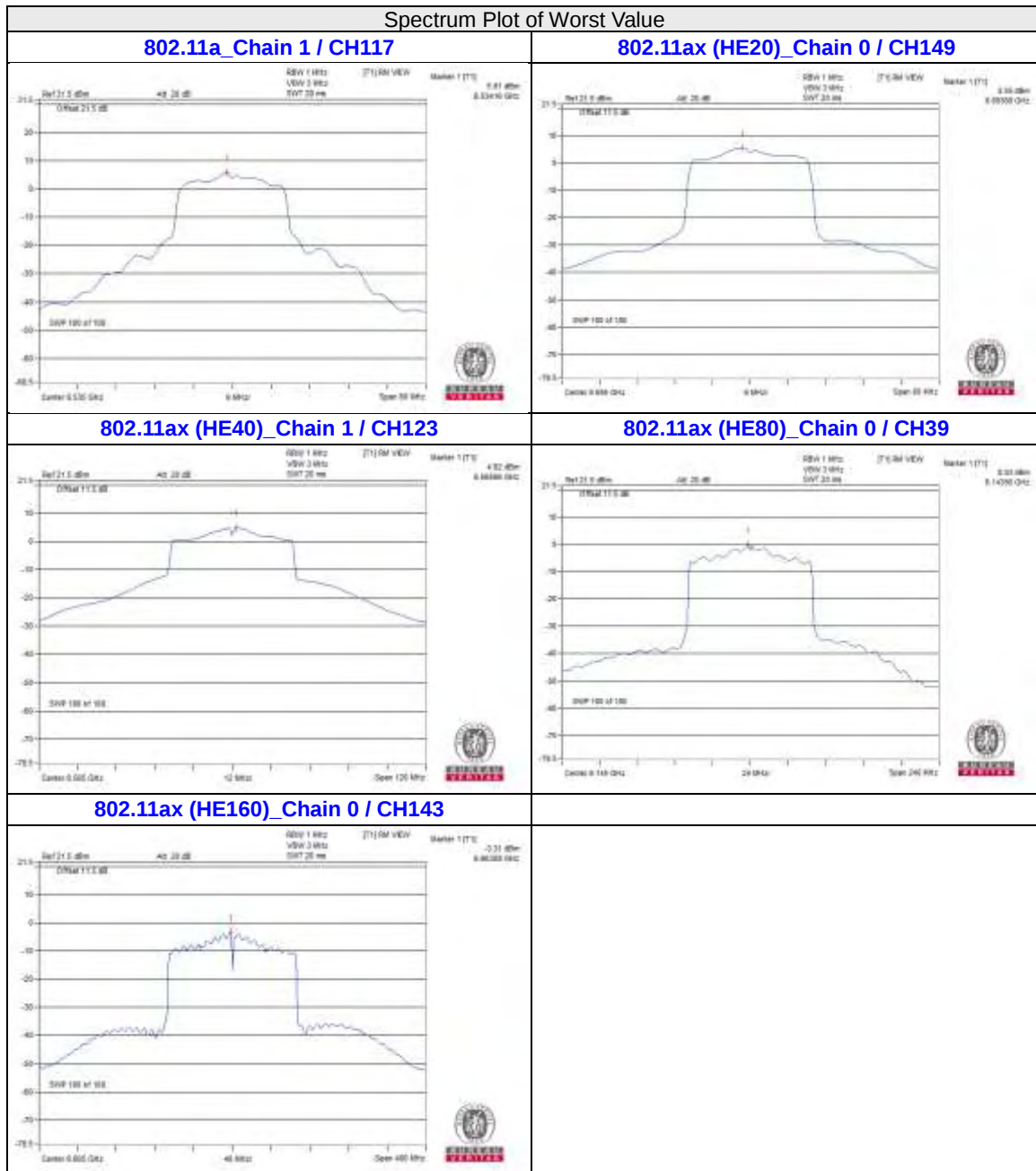
802.11ax (RU1992)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
1992/68	15	6025	-9.40	-9.25	-6.31	8.15	1.84	17.00	Pass
1992/68	47	6185	-8.22	-7.67	-4.93	8.15	3.22	17.00	Pass
1992/68	79	6345	-8.12	-8.65	-5.37	8.15	2.78	17.00	Pass
1992/68	143	6665	-8.68	-8.29	-5.47	8.17	2.70	17.00	Pass

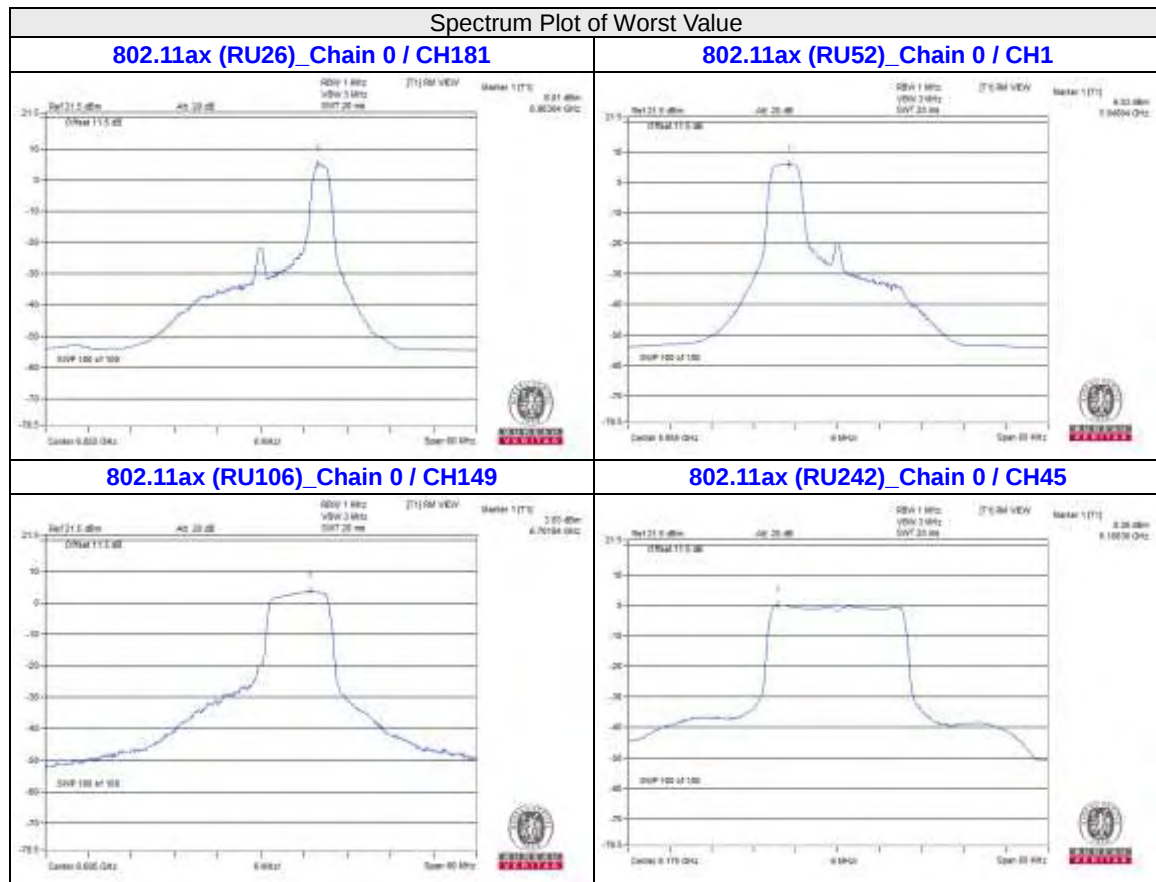
Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

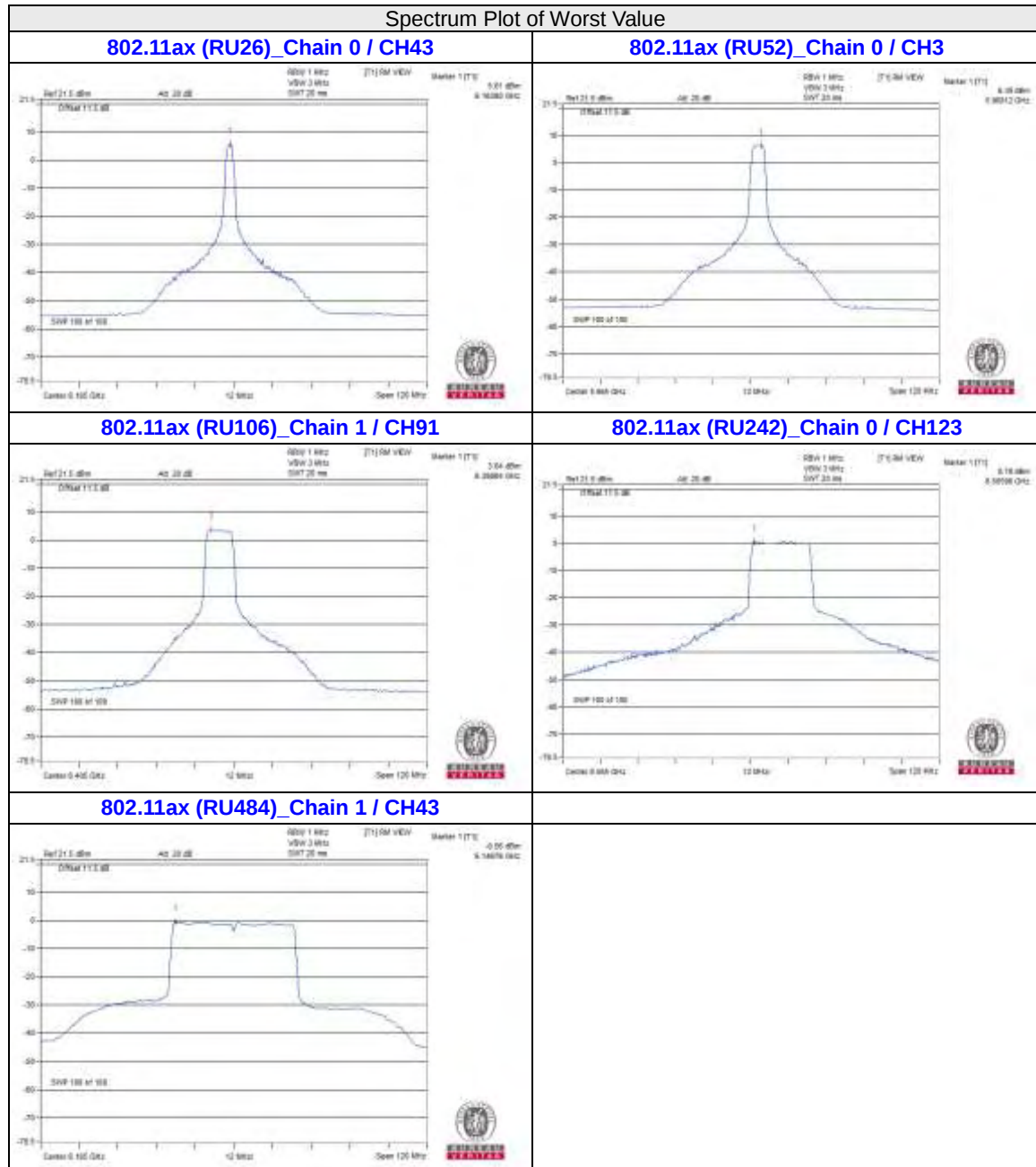
For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi



20MHz Preamble



40MHz Preamble



4.6.7 Test Results (Mode 2)

802.11a

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1					
2	5935	-12.27	-12.24	-9.24	8.15	-1.09	-1.00	Pass
1	5955	-12.08	-13.12	-9.56	8.15	-1.41	-1.00	Pass
45	6175	-11.28	-13.66	-9.30	8.15	-1.15	-1.00	Pass
93	6415	-11.88	-12.82	-9.31	8.15	-1.16	-1.00	Pass
97	6435	-11.65	-12.98	-9.25	8.10	-1.15	-1.00	Pass
105	6475	-12.24	-12.21	-9.21	8.10	-1.11	-1.00	Pass
113	6515	-11.32	-14.65	-9.66	8.10	-1.56	-1.00	Pass
117	6535	-11.52	-13.82	-9.51	8.17	-1.34	-1.00	Pass
149	6695	-11.66	-13.10	-9.31	8.17	-1.14	-1.00	Pass
181	6855	-11.94	-13.48	-9.63	8.17	-1.46	-1.00	Pass
185	6875	-12.99	-12.21	-9.57	8.13	-1.44	-1.00	Pass
209	6995	-13.19	-12.17	-9.64	8.13	-1.51	-1.00	Pass
229	7095	-13.79	-11.29	-9.35	8.13	-1.22	-1.00	Pass
233	7115	-12.93	-12.11	-9.49	8.13	-1.36	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1					
2	5935	-24.87	-24.77	-21.81	8.15	-13.66	-1.00	Pass
1	5955	-13.09	-11.71	-9.34	8.15	-1.19	-1.00	Pass
45	6175	-11.74	-13.49	-9.52	8.15	-1.37	-1.00	Pass
93	6415	-12.08	-12.62	-9.33	8.15	-1.18	-1.00	Pass
97	6435	-11.88	-12.75	-9.28	8.10	-1.18	-1.00	Pass
105	6475	-11.87	-12.58	-9.20	8.10	-1.10	-1.00	Pass
113	6515	-13.05	-12.42	-9.71	8.10	-1.61	-1.00	Pass
117	6535	-13.42	-12.10	-9.70	8.17	-1.53	-1.00	Pass
149	6695	-12.54	-11.94	-9.22	8.17	-1.05	-1.00	Pass
181	6855	-13.33	-11.61	-9.37	8.17	-1.20	-1.00	Pass
185	6875	-12.87	-11.86	-9.33	8.13	-1.20	-1.00	Pass
209	6995	-13.44	-11.48	-9.34	8.13	-1.21	-1.00	Pass
229	7095	-14.15	-10.80	-9.15	8.13	-1.02	-1.00	Pass
233	7115	-13.30	-11.45	-9.27	8.13	-1.14	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1					
3	5965	-13.12	-12.30	-9.68	8.15	-1.53	-1.00	Pass
43	6165	-12.12	-12.24	-9.17	8.15	-1.02	-1.00	Pass
91	6405	-12.95	-12.11	-9.50	8.15	-1.35	-1.00	Pass
99	6445	-12.38	-11.93	-9.14	8.10	-1.04	-1.00	Pass
107	6485	-12.77	-11.92	-9.31	8.10	-1.21	-1.00	Pass
115	6525	-13.58	-12.15	-9.80	8.17	-1.63	-1.00	Pass
123	6565	-13.27	-12.20	-9.69	8.17	-1.52	-1.00	Pass
155	6725	-13.89	-11.03	-9.22	8.17	-1.05	-1.00	Pass
179	6845	-13.97	-11.65	-9.65	8.17	-1.48	-1.00	Pass
187	6885	-12.47	-12.58	-9.51	8.13	-1.38	-1.00	Pass
211	7005	-13.78	-11.43	-9.44	8.13	-1.31	-1.00	Pass
227	7085	-14.54	-11.16	-9.52	8.13	-1.39	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1					
7	5985	-13.27	-12.22	-9.70	8.15	-1.55	-1.00	Pass
39	6145	-11.99	-12.99	-9.45	8.15	-1.30	-1.00	Pass
87	6385	-12.16	-13.24	-9.66	8.15	-1.51	-1.00	Pass
103	6465	-12.23	-13.04	-9.61	8.10	-1.51	-1.00	Pass
119	6545	-11.87	-13.77	-9.71	8.17	-1.54	-1.00	Pass
151	6705	-12.46	-11.93	-9.18	8.17	-1.01	-1.00	Pass
183	6865	-12.12	-12.71	-9.39	8.17	-1.22	-1.00	Pass
199	6945	-12.26	-12.04	-9.14	8.13	-1.01	-1.00	Pass
215	7025	-13.04	-11.74	-9.33	8.13	-1.20	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1					
15	6025	-13.21	-12.12	-9.62	8.15	-1.47	-1.00	Pass
47	6185	-12.73	-12.17	-9.43	8.15	-1.28	-1.00	Pass
79	6345	-12.02	-12.70	-9.34	8.15	-1.19	-1.00	Pass
111	6505	-12.90	-12.09	-9.47	8.10	-1.37	-1.00	Pass
143	6665	-12.62	-12.17	-9.38	8.17	-1.21	-1.00	Pass
175	6825	-13.13	-12.49	-9.79	8.17	-1.62	-1.00	Pass
207	6985	-13.35	-11.72	-9.45	8.13	-1.32	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

20MHz Preamble
802.11ax (RU26)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
26/0	2	5935	-15.12	-15.94	-12.50	8.15	-4.35	-1.00	Pass
26/0	1	5955	-12.25	-12.36	-9.29	8.15	-1.14	-1.00	Pass
26/4	45	6175	-12.32	-12.58	-9.44	8.15	-1.29	-1.00	Pass
26/8	93	6415	-13.08	-11.71	-9.33	8.15	-1.18	-1.00	Pass
26/0	97	6435	-12.65	-12.00	-9.30	8.10	-1.20	-1.00	Pass
26/4	105	6475	-12.48	-12.28	-9.37	8.10	-1.27	-1.00	Pass
26/8	113	6515	-11.85	-12.41	-9.11	8.10	-1.01	-1.00	Pass
26/0	117	6535	-11.96	-12.43	-9.18	8.17	-1.01	-1.00	Pass
26/4	149	6695	-12.51	-12.07	-9.27	8.17	-1.10	-1.00	Pass
26/8	181	6855	-12.94	-11.90	-9.38	8.17	-1.21	-1.00	Pass
26/8	185	6875	-13.30	-12.03	-9.61	8.13	-1.48	-1.00	Pass
26/0	209	6995	-12.00	-12.70	-9.33	8.13	-1.20	-1.00	Pass
26/4	229	7095	-13.53	-11.49	-9.38	8.13	-1.25	-1.00	Pass
26/8	233	7115	-15.13	-12.83	-10.82	8.13	-2.69	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

802.11ax (RU52)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
52/37	2	5935	-15.93	-16.82	-13.34	8.15	-5.19	-1.00	Pass
52/37	1	5955	-11.24	-13.77	-9.31	8.15	-1.16	-1.00	Pass
52/38	45	6175	-12.58	-11.83	-9.18	8.15	-1.03	-1.00	Pass
52/40	93	6415	-12.67	-11.96	-9.29	8.15	-1.14	-1.00	Pass
52/37	97	6435	-12.74	-12.24	-9.47	8.10	-1.37	-1.00	Pass
52/38	105	6475	-12.19	-12.23	-9.20	8.10	-1.10	-1.00	Pass
52/40	113	6515	-12.01	-12.26	-9.12	8.10	-1.02	-1.00	Pass
52/37	117	6535	-12.36	-12.21	-9.27	8.17	-1.10	-1.00	Pass
52/38	149	6695	-13.21	-11.58	-9.31	8.17	-1.14	-1.00	Pass
52/40	181	6855	-12.93	-11.85	-9.35	8.17	-1.18	-1.00	Pass
52/40	185	6875	-13.15	-12.03	-9.54	8.13	-1.41	-1.00	Pass
52/37	209	6995	-12.26	-13.08	-9.64	8.13	-1.51	-1.00	Pass
52/38	229	7095	-12.96	-11.63	-9.23	8.13	-1.10	-1.00	Pass
52/40	233	7115	-14.05	-11.49	-9.57	8.13	-1.44	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

802.11ax (RU106)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
106/53	2	5935	-14.58	-14.86	-11.71	8.15	-3.56	-1.00	Pass
106/53	1	5955	-11.36	-14.81	-9.74	8.15	-1.59	-1.00	Pass
106/53	45	6175	-11.74	-12.98	-9.31	8.15	-1.16	-1.00	Pass
106/54	93	6415	-12.96	-12.21	-9.56	8.15	-1.41	-1.00	Pass
106/53	97	6435	-12.71	-12.39	-9.54	8.10	-1.44	-1.00	Pass
106/53	105	6475	-12.01	-12.58	-9.28	8.10	-1.18	-1.00	Pass
106/54	113	6515	-11.70	-12.72	-9.17	8.10	-1.07	-1.00	Pass
106/53	117	6535	-12.10	-12.76	-9.41	8.17	-1.24	-1.00	Pass
106/54	149	6695	-12.78	-12.17	-9.45	8.17	-1.28	-1.00	Pass
106/54	181	6855	-13.24	-11.71	-9.40	8.17	-1.23	-1.00	Pass
106/54	185	6875	-13.54	-12.02	-9.70	8.13	-1.57	-1.00	Pass
106/53	209	6995	-12.57	-12.00	-9.27	8.13	-1.14	-1.00	Pass
106/54	229	7095	-14.58	-10.98	-9.41	8.13	-1.28	-1.00	Pass
106/54	233	7115	-16.37	-13.24	-11.52	8.13	-3.39	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

802.11ax (RU242)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
242/61	2	5935	-17.90	-18.34	-15.10	8.15	-6.95	-1.00	Pass
242/61	1	5955	-12.16	-12.89	-9.50	8.15	-1.35	-1.00	Pass
242/61	45	6175	-12.28	-12.43	-9.34	8.15	-1.19	-1.00	Pass
242/61	93	6415	-12.46	-12.09	-9.26	8.15	-1.11	-1.00	Pass
242/61	97	6435	-12.06	-12.72	-9.37	8.10	-1.27	-1.00	Pass
242/61	105	6475	-11.39	-13.71	-9.39	8.10	-1.29	-1.00	Pass
242/61	113	6515	-11.57	-13.68	-9.49	8.10	-1.39	-1.00	Pass
242/61	117	6535	-11.86	-12.87	-9.33	8.17	-1.16	-1.00	Pass
242/61	149	6695	-11.95	-12.98	-9.42	8.17	-1.25	-1.00	Pass
242/61	181	6855	-11.86	-12.71	-9.25	8.17	-1.08	-1.00	Pass
242/61	185	6875	-12.16	-12.47	-9.30	8.13	-1.17	-1.00	Pass
242/61	209	6995	-12.77	-12.21	-9.47	8.13	-1.34	-1.00	Pass
242/61	229	7095	-12.51	-11.88	-9.17	8.13	-1.04	-1.00	Pass
242/61	233	7115	-20.62	-17.86	-16.01	8.13	-7.88	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

40MHz Preamble

802.11ax (RU26)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
26/9	3	5965	-12.45	-12.46	-9.44	8.15	-1.29	-1.00	Pass
26/27	43	6165	-12.55	-12.29	-9.41	8.15	-1.26	-1.00	Pass
26/27	91	6405	-12.55	-12.18	-9.35	8.15	-1.20	-1.00	Pass
26/9	99	6445	-12.06	-12.75	-9.38	8.10	-1.28	-1.00	Pass
26/27	107	6485	-12.62	-12.72	-9.66	8.10	-1.56	-1.00	Pass
26/27	115	6525	-13.03	-12.17	-9.57	8.17	-1.40	-1.00	Pass
26/9	123	6565	-12.50	-13.08	-9.77	8.17	-1.60	-1.00	Pass
26/9	155	6725	-12.38	-12.84	-9.59	8.17	-1.42	-1.00	Pass
26/27	179	6845	-12.96	-12.03	-9.46	8.17	-1.29	-1.00	Pass
26/9	187	6885	-12.19	-12.48	-9.32	8.13	-1.19	-1.00	Pass
26/9	211	7005	-12.02	-12.78	-9.37	8.13	-1.24	-1.00	Pass
26/27	227	7085	-13.29	-11.42	-9.24	8.13	-1.11	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

802.11ax (RU52)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
52/41	3	5965	-12.62	-12.68	-9.64	8.15	-1.49	-1.00	Pass
52/48	43	6165	-12.16	-12.29	-9.21	8.15	-1.06	-1.00	Pass
52/48	91	6405	-12.76	-12.73	-9.73	8.15	-1.58	-1.00	Pass
52/41	99	6445	-12.40	-12.73	-9.55	8.10	-1.45	-1.00	Pass
52/41	107	6485	-12.21	-12.21	-9.20	8.10	-1.10	-1.00	Pass
52/48	115	6525	-13.13	-11.96	-9.50	8.17	-1.33	-1.00	Pass
52/41	123	6565	-11.97	-12.44	-9.19	8.17	-1.02	-1.00	Pass
52/41	155	6725	-12.64	-12.55	-9.58	8.17	-1.41	-1.00	Pass
52/48	179	6845	-13.44	-12.17	-9.75	8.17	-1.58	-1.00	Pass
52/41	187	6885	-12.52	-12.94	-9.71	8.13	-1.58	-1.00	Pass
52/41	211	7005	-12.09	-12.28	-9.17	8.13	-1.04	-1.00	Pass
52/48	227	7085	-13.96	-11.23	-9.37	8.13	-1.24	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

802.11ax (RU106)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
106/55	3	5965	-11.69	-12.70	-9.16	8.15	-1.01	-1.00	Pass
106/58	43	6165	-11.49	-13.59	-9.40	8.15	-1.25	-1.00	Pass
106/58	91	6405	-12.50	-12.14	-9.31	8.15	-1.16	-1.00	Pass
106/55	99	6445	-11.74	-12.86	-9.25	8.10	-1.15	-1.00	Pass
106/58	107	6485	-12.03	-12.47	-9.23	8.10	-1.13	-1.00	Pass
106/58	115	6525	-11.48	-13.05	-9.18	8.17	-1.01	-1.00	Pass
106/55	123	6565	-12.29	-12.81	-9.53	8.17	-1.36	-1.00	Pass
106/55	155	6725	-13.09	-12.07	-9.54	8.17	-1.37	-1.00	Pass
106/58	179	6845	-12.99	-11.80	-9.34	8.17	-1.17	-1.00	Pass
106/55	187	6885	-13.63	-11.91	-9.68	8.13	-1.55	-1.00	Pass
106/55	211	7005	-12.48	-12.33	-9.39	8.13	-1.26	-1.00	Pass
106/58	227	7085	-13.61	-11.14	-9.19	8.13	-1.06	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

802.11ax (RU242)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
242/63	3	5965	-12.43	-12.07	-9.24	8.15	-1.09	-1.00	Pass
242/62	43	6165	-12.58	-11.85	-9.19	8.15	-1.04	-1.00	Pass
242/62	91	6405	-12.57	-12.20	-9.37	8.15	-1.22	-1.00	Pass
242/63	99	6445	-11.90	-12.52	-9.19	8.10	-1.09	-1.00	Pass
242/62	107	6485	-11.61	-13.46	-9.43	8.10	-1.33	-1.00	Pass
242/62	115	6525	-11.73	-12.75	-9.20	8.17	-1.03	-1.00	Pass
242/63	123	6565	-11.92	-12.86	-9.35	8.17	-1.18	-1.00	Pass
242/63	155	6725	-11.84	-12.78	-9.27	8.17	-1.10	-1.00	Pass
242/62	179	6845	-13.35	-11.58	-9.37	8.17	-1.20	-1.00	Pass
242/63	187	6885	-13.19	-11.55	-9.28	8.13	-1.15	-1.00	Pass
242/63	211	7005	-13.67	-11.12	-9.20	8.13	-1.07	-1.00	Pass
242/62	227	7085	-12.64	-12.71	-9.66	8.13	-1.53	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

802.11ax (RU484)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
484/65	3	5965	-12.16	-12.62	-9.37	8.15	-1.22	-1.00	Pass
484/65	43	6165	-13.52	-11.73	-9.52	8.15	-1.37	-1.00	Pass
484/65	91	6405	-12.86	-12.32	-9.57	8.15	-1.42	-1.00	Pass
484/65	99	6445	-12.71	-12.67	-9.68	8.10	-1.58	-1.00	Pass
484/65	107	6485	-12.22	-12.67	-9.43	8.10	-1.33	-1.00	Pass
484/65	115	6525	-12.94	-12.61	-9.76	8.17	-1.59	-1.00	Pass
484/65	123	6565	-12.68	-12.66	-9.66	8.17	-1.49	-1.00	Pass
484/65	155	6725	-12.83	-11.94	-9.35	8.17	-1.18	-1.00	Pass
484/65	179	6845	-12.41	-12.39	-9.39	8.17	-1.22	-1.00	Pass
484/65	187	6885	-12.33	-12.09	-9.20	8.13	-1.07	-1.00	Pass
484/65	211	7005	-11.19	-14.37	-9.49	8.13	-1.36	-1.00	Pass
484/65	227	7085	-12.01	-12.49	-9.23	8.13	-1.10	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = 5.14dBi + 10log(2) = 8.15dBi

For U-NII-6: Directional gain = 5.09dBi + 10log(2) = 8.10dBi

For U-NII-7: Directional gain = 5.16dBi + 10log(2) = 8.17dBi

For U-NII-8: Directional gain = 5.12dBi + 10log(2) = 8.13dBi

80MHz Preamble

802.11ax (RU996)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
996/67	7	5985	-13.03	-12.10	-9.53	8.15	-1.38	-1.00	Pass
996/67	39	6145	-12.71	-12.59	-9.64	8.15	-1.49	-1.00	Pass
996/67	87	6385	-13.34	-12.11	-9.67	8.15	-1.52	-1.00	Pass
996/67	103	6465	-11.99	-13.19	-9.54	8.10	-1.44	-1.00	Pass
996/67	119	6545	-11.98	-12.97	-9.44	8.17	-1.27	-1.00	Pass
996/67	135	6625	-12.64	-12.90	-9.76	8.17	-1.59	-1.00	Pass
996/67	151	6705	-12.91	-12.46	-9.67	8.17	-1.50	-1.00	Pass
996/67	167	6785	-12.81	-12.27	-9.52	8.17	-1.35	-1.00	Pass
996/67	183	6865	-12.71	-12.23	-9.45	8.17	-1.28	-1.00	Pass
996/67	199	6945	-13.31	-11.78	-9.47	8.13	-1.34	-1.00	Pass
996/67	215	7025	-13.17	-11.57	-9.29	8.13	-1.16	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

160MHz Preamble

802.11ax (RU1992)

RU Configuration	Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1					
1992/68	15	6025	-12.20	-12.53	-9.35	8.15	-1.20	-1.00	Pass
1992/68	47	6185	-12.14	-13.06	-9.57	8.15	-1.42	-1.00	Pass
1992/68	79	6345	-12.13	-12.44	-9.27	8.15	-1.12	-1.00	Pass
1992/68	111	6505	-12.29	-11.99	-9.13	8.10	-1.03	-1.00	Pass
1992/68	143	6665	-12.21	-12.26	-9.22	8.17	-1.05	-1.00	Pass
1992/68	175	6825	-12.22	-12.47	-9.33	8.17	-1.16	-1.00	Pass
1992/68	207	6985	-12.30	-12.24	-9.26	8.13	-1.13	-1.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For U-NII-5: Directional gain = $5.14\text{dBi} + 10\log(2) = 8.15\text{dBi}$

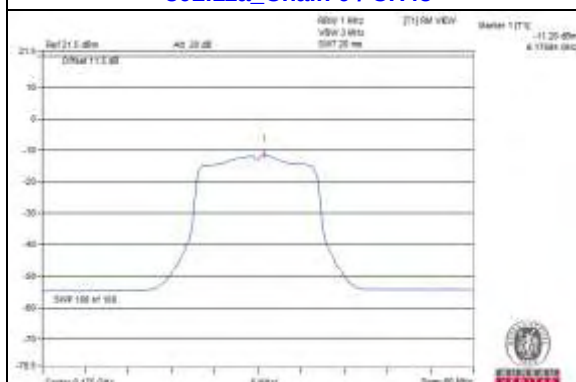
For U-NII-6: Directional gain = $5.09\text{dBi} + 10\log(2) = 8.10\text{dBi}$

For U-NII-7: Directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi}$

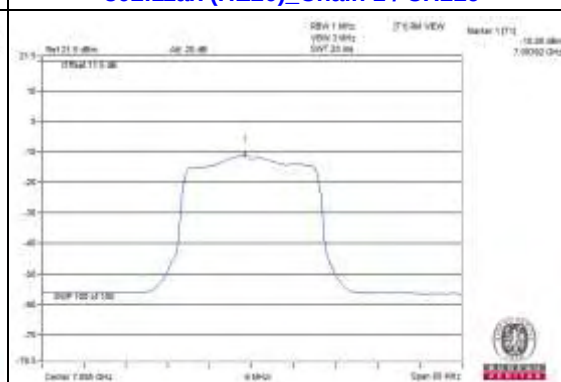
For U-NII-8: Directional gain = $5.12\text{dBi} + 10\log(2) = 8.13\text{dBi}$

Spectrum Plot of Worst Value

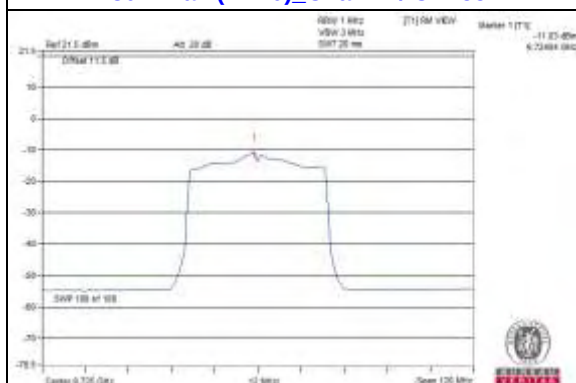
802.11a_Chain 0 / CH45



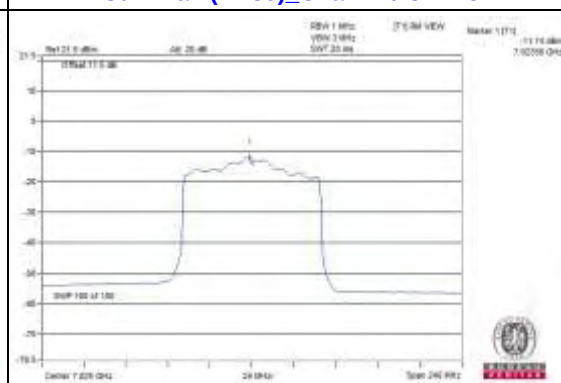
802.11ax (HE20)_Chain 1 / CH229



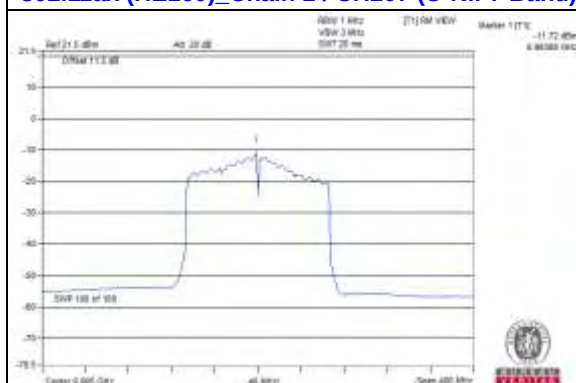
802.11ax (HE40)_Chain 1 / CH155



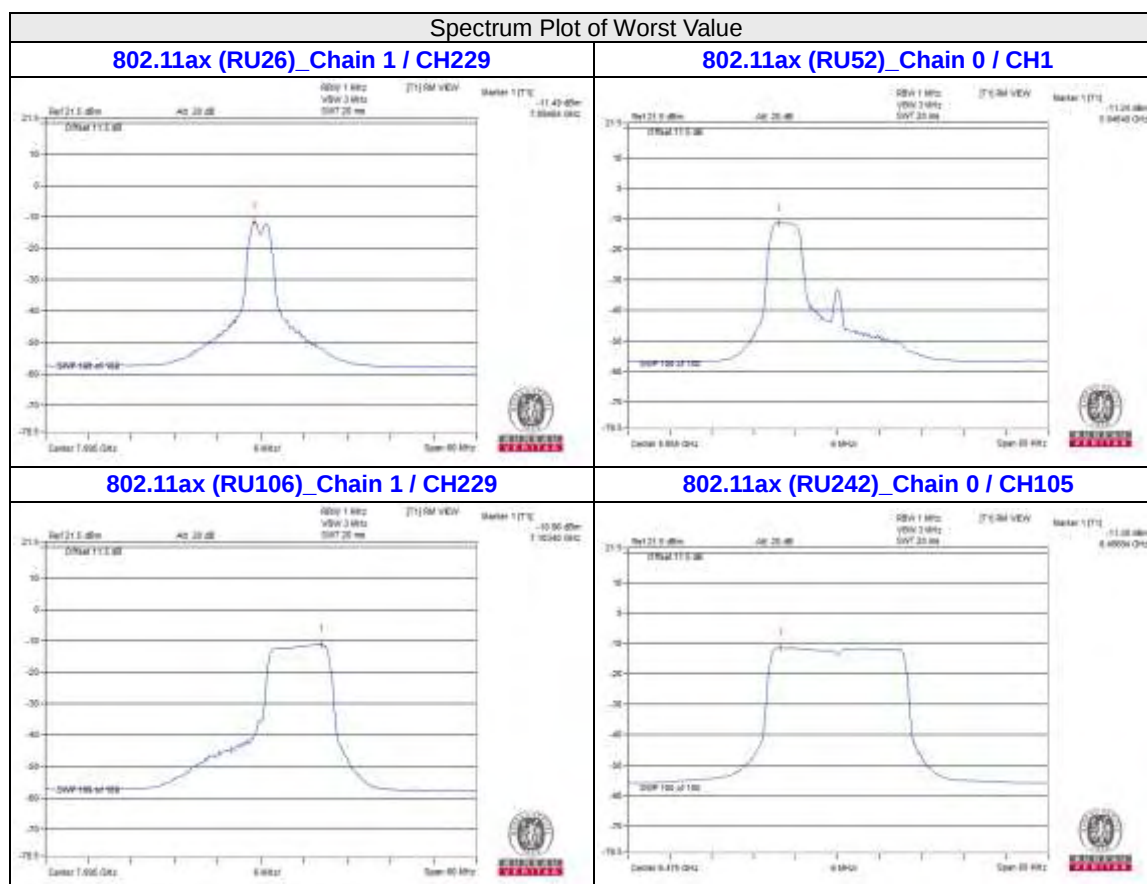
802.11ax (HE80)_Chain 1 / CH215



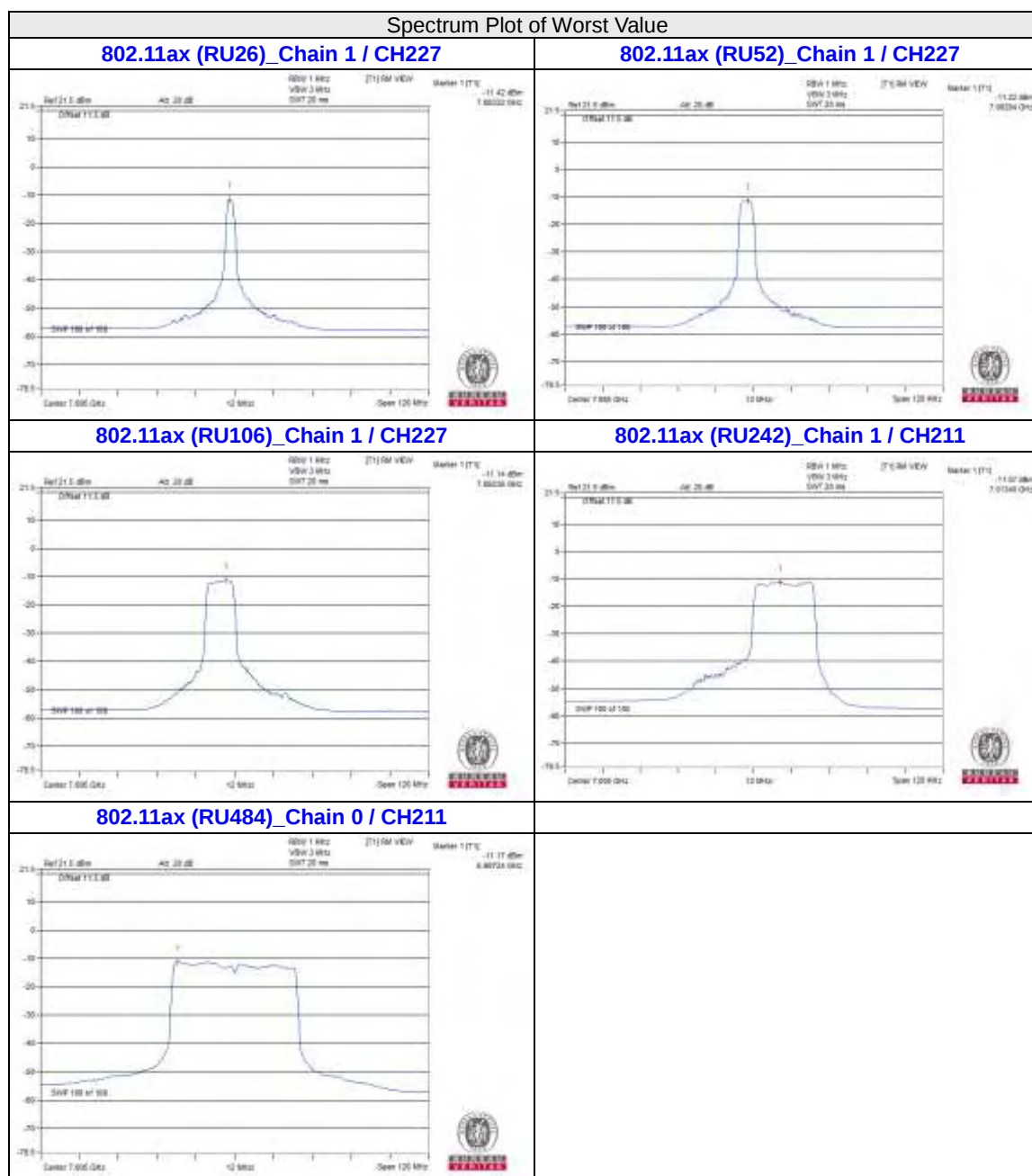
802.11ax (HE160)_Chain 1 / CH207 (U-NII-7 Band)



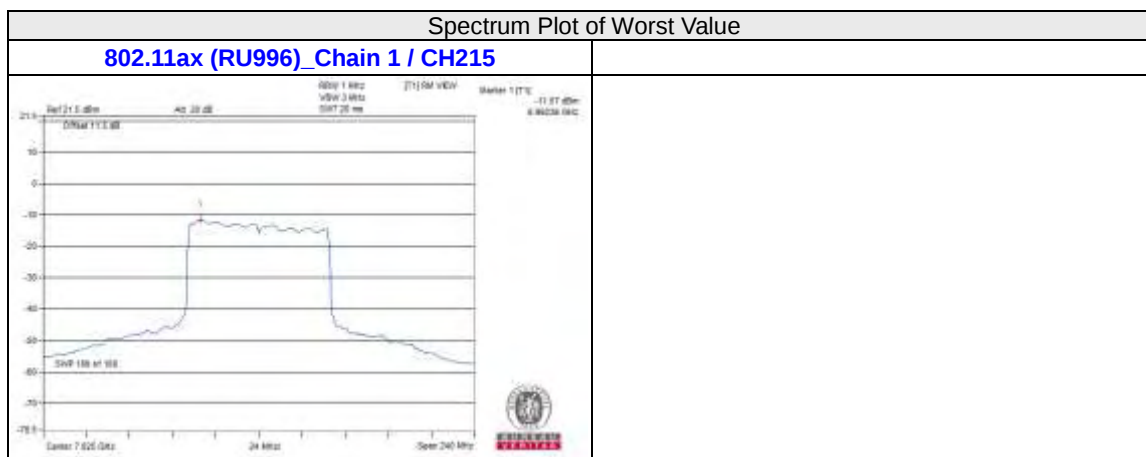
20MHz Preamble



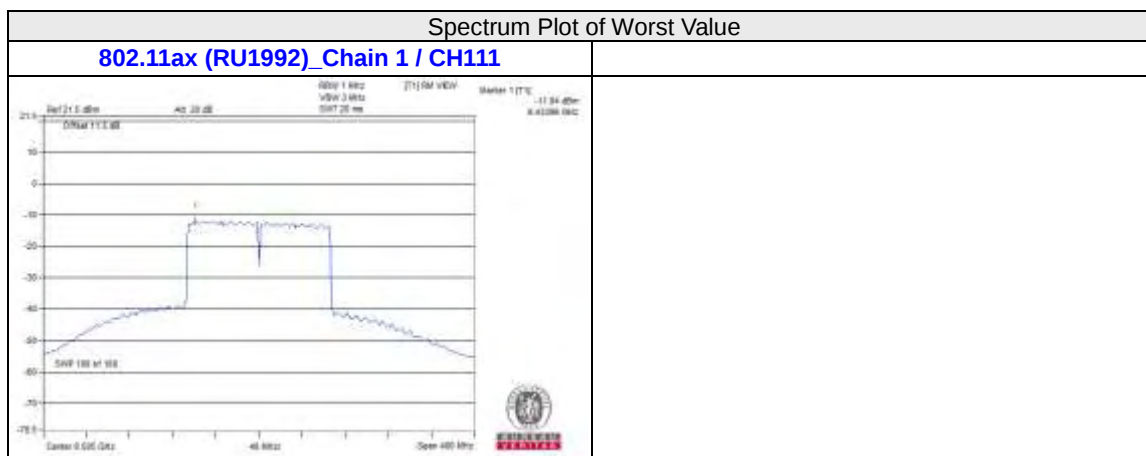
40MHz Preamble



80MHz Preamble



160MHz Preamble

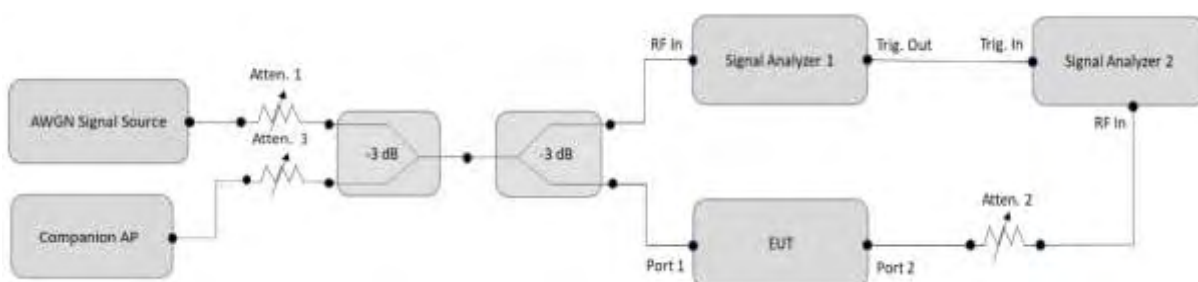


4.7 Contention Based Protocol Measurement

4.7.1 Limits of Contention Based Protocol Measurement

Unlicensed indoor low-power devices must detect co-channel radio frequency power that is at least -62 dBm (The threshold is referenced to a 0 dBi antenna gain.) or lower. Additionally, indoor low-power devices must detect co-channel energy with 90% or greater certainty.

4.7.2 Test Setup



4.7.3 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
lyzer R&S	FSW8	101497	Nov 10, 2020	Nov 09, 2021
Spectrum Analyzer R&S	FSV40	101516	Mar. 04, 2020	Mar. 03, 2021
MXG X-Series RF Vector Signal Generator Agilent	N5182B	MY59100182	Apr. 10, 2020	Apr. 09, 2021
N5182BU KEYSIGHT	N5182BX07	MY59360203	Dec. 10, 2020	Dec. 09, 2021
Power Splitter/combiner Mini-Circuits	ZN2PD-9G	ZN2PD-9G_01	Jun. 16, 2020	Jun. 15, 2021
Power Splitter/combiner Mini-Circuits	ZN2PD-9G	ZN2PD-9G_02	Jun. 16, 2020	Jun. 15, 2021

NOTE:

1. The test was performed in Femtocell room.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. Tested Date: Jan. 27, 2021

4.7.4 Test Procedure

- a. 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. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
- b. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters (set as following section 4.7.5 EUT operating condition).
- c. Determine number of times detection threshold test as following table,

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Same as EUT transmission
$BW_{Inc} < BW_{EUT} \leq 2 \times BW_{Inc}$	Once	Contained within BW_{EUT}
$2 \times BW_{Inc} < BW_{EUT} \leq 4 \times BW_{Inc}$	Twice. (Incumbent transmission is contained within BW_{EUT})	Closely to the lower edge and upper edge of the EUT Channel
$BW_{EUT} > 4 \times BW_{Inc}$	Three times	Closely to the lower edge ,in the middle and upper edge of the EUT Channel

- d. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use step c table to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
- e. 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.
- f. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
- g. 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.
- h. (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.
- i. Refer to step c 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 d, choose a different center frequency for the AWGN signal and repeat the process.

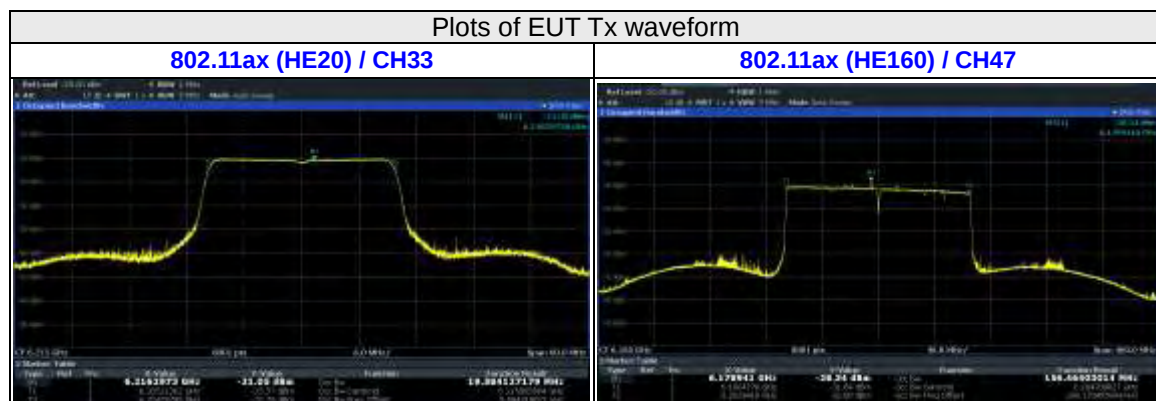
4.7.5 EUT Operating Condition

Set the EUT to transmit with a constant duty cycle and relative operating parameters which including power level, operating frequency, modulation and bandwidth.

4.7.6 Test Results
With external LNA
For U-NII-5 band

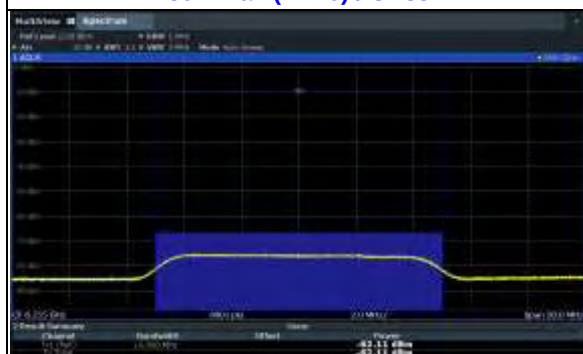
Contention Based Protocol Measurement										
Measurement Mode :		Conducted measurement			Device Type :		Dual Client		at the antenna connector	
The Incumbent Signal (AWGN) Level (dBm)		-62 dBm			Antenna Gain :		0	dB		
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	Test Result					
					AWGN Signals	Number of Times	Number of Detected	Detection Rate	Limit	Pass/Fail
					Freq. (MHz)					
U-NII 5	802.11ax	20MHz	33	6115	6115	10	10	100%	90%	Pass
		160MHz	47	6185	6110	10	10	100%	90%	Pass
					6185	10	10	100%	90%	Pass
					6260	10	10	100%	90%	Pass
Result	Complied									

Lowest Interference (AWGN) Level Check							
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Threshold Level (dBm)	EUT Status
U-NII 5	802.11ax	20MHz	33	6115	6115	-63	Start transmitting
		160MHz	47	6185	6110	-65	Start transmitting
					6185	-63	Start transmitting
					6260	-63	Start transmitting



Plots of Incumbent signal (AWGN) level

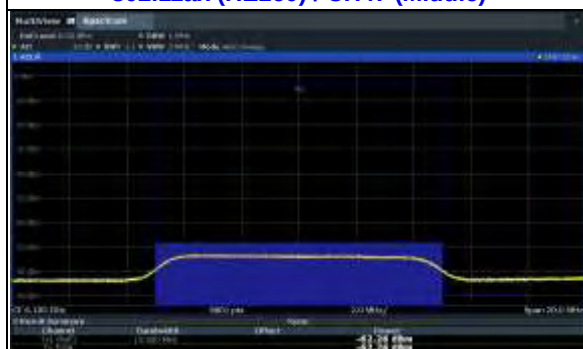
802.11ax (HE20) / CH33



802.11ax (HE160) / CH47 (High Edge)



802.11ax (HE160) / CH47 (Middle)



802.11ax (HE160) / CH47 (Low Edge)

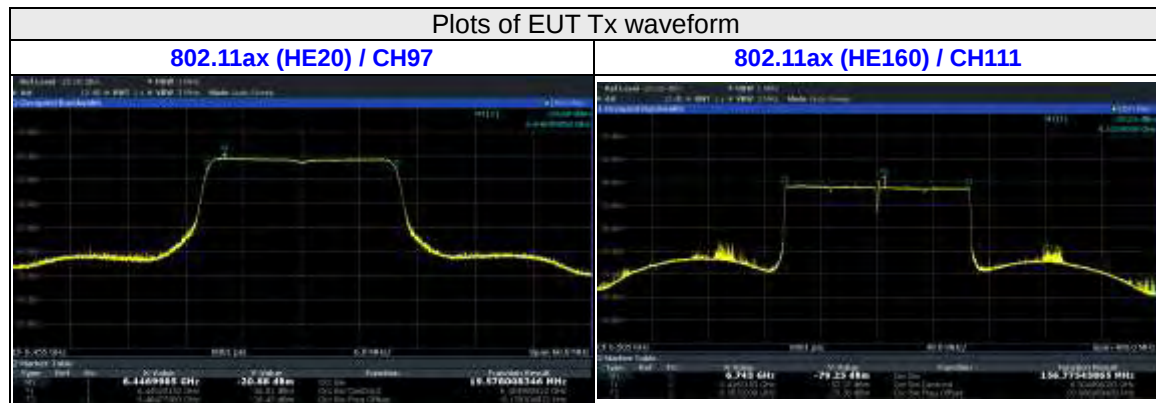




For U-NII-6 band

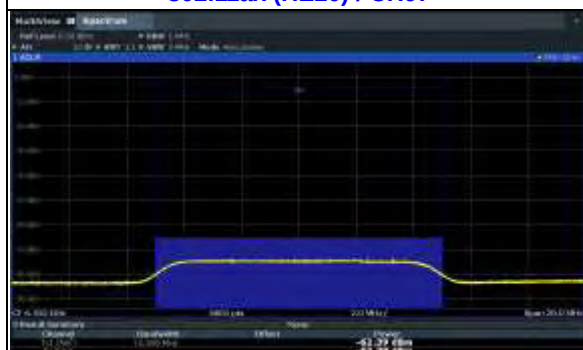
Contention Based Protocol Measurement										
Measurement Mode :		Conducted measurement			Device Type :		Dual Client		at the antenna connector	
The lowest Incumbent (AWGN) Signal Level (dBm)		-62 dBm			Antenna Gain :		0	dBi		
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	Test Result					
					AWGN Signals	Number of Times	Number of Detected	Detection Rate	Limit	Pass/Fail
					Freq. (MHz)					
U-NII 6	802.11ax	20MHz	97	6435	6435	10	10	100%	90%	Pass
		160MHz	111	6505	6430	10	10	100%	90%	Pass
					6505	10	9	90%	90%	Pass
					6580	10	10	100%	90%	Pass
Result	Complied									

Lowest Interference (AWGN) Level Check							
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Threshold Level (dBm)	EUT Status
U-NII 6	802.11ax	20MHz	97	6435	6435	-63	Start transmitting
		160MHz	111	6505	6430	-65	Start transmitting
					6505	-63	Start transmitting
					6580	-64	Start transmitting



Plots of Incumbent signal (AWGN) level

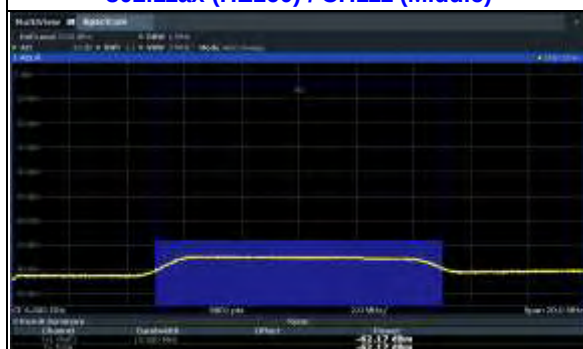
802.11ax (HE20) / CH97



802.11ax (HE160) / CH111 (High Edge)

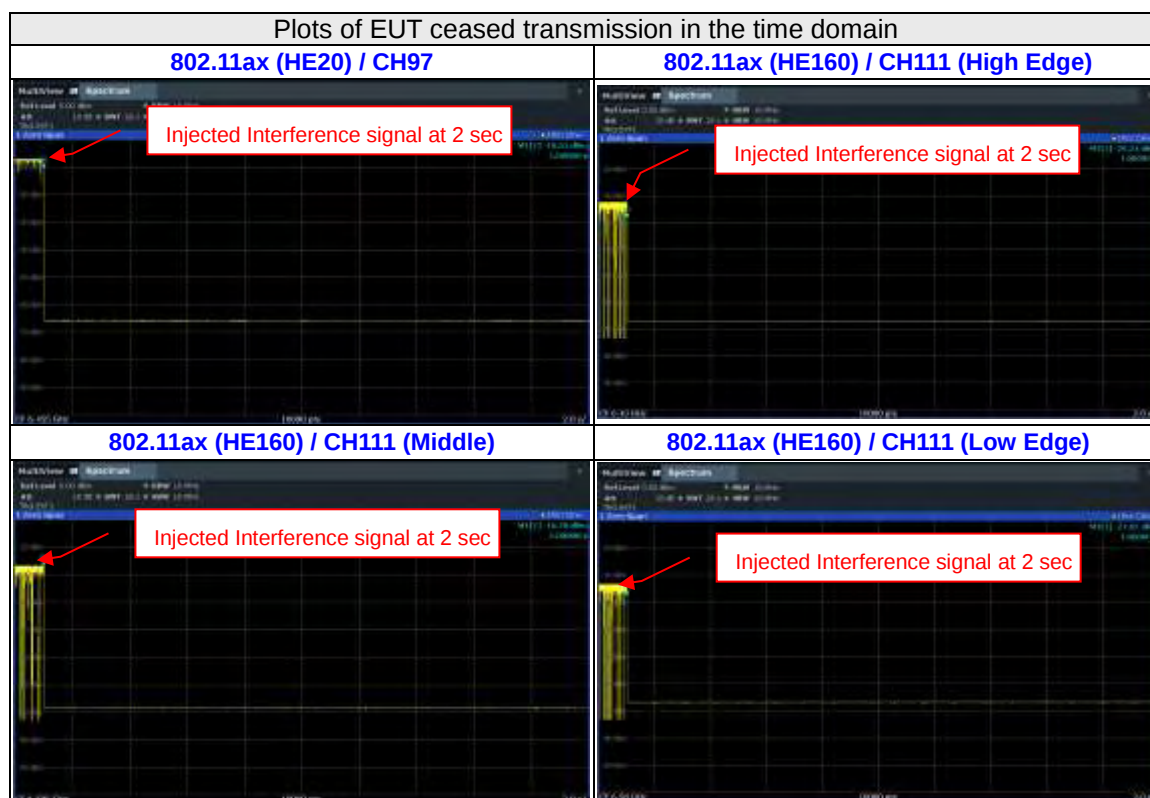


802.11ax (HE160) / CH111 (Middle)



802.11ax (HE160) / CH111 (Low Edge)

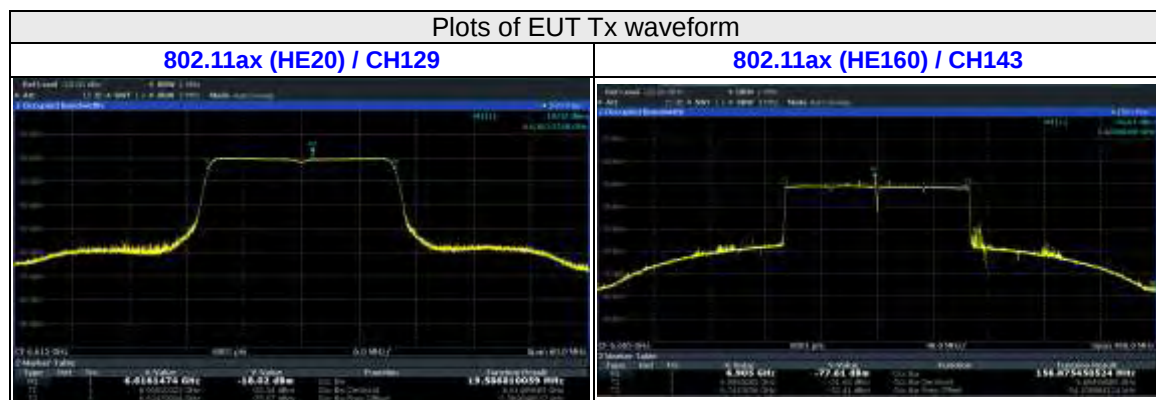


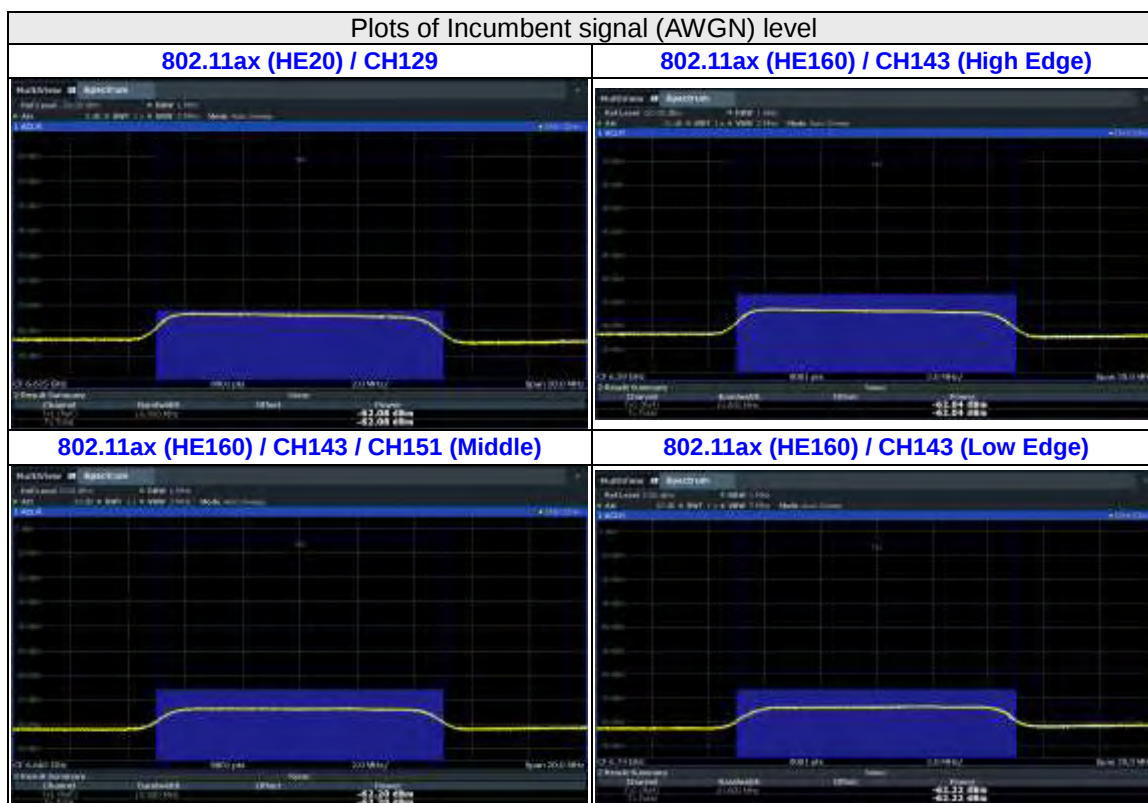


For U-NII-7 band

Contention Based Protocol Measurement										
Measurement Mode :		Conducted measurement			Device Type :		Dual Client		at the antenna connector	
The Incumbent Signal (AWGN) Level (dBm)		-62 dBm			Antenna Gain :		0	dBi		
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	Test Result					
					AWGN Signals	Number of Times	Number of Detected	Detection Rate	Limit	Pass/Fail
					Freq. (MHz)					
U-NII 7	802.11ax	20MHz	129	6595	6595	10	10	100%	90%	Pass
		160MHz	143	6665	6590	10	10	100%	90%	Pass
					6665	10	10	100%	90%	Pass
					6740	10	10	100%	90%	Pass
Result	Complied									

Lowest Interference (AWGN) Level Check							
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Threshold Level (dBm)	EUT Status
U-NII 7	802.11ax	20MHz	129	6595	6595	-63	Start transmitting
		160MHz	143	6665	6590	-64	Start transmitting
					6665	-63	Start transmitting
					6740	-64	Start transmitting







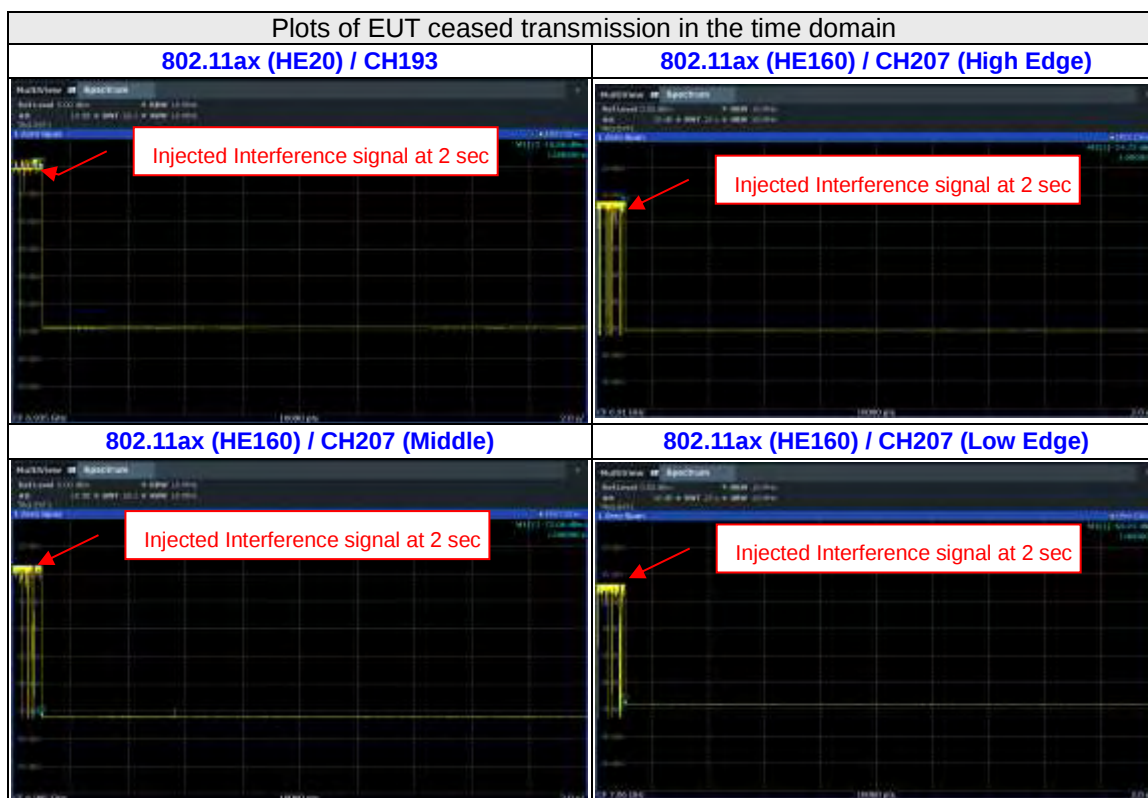
For U-NII-8 band

Contention Based Protocol Measurement										
Measurement Mode :		Conducted measurement			Device Type :		Dual Client		at the antenna connector	
The Incumbent Signal (AWGN) Level (dBm)		-62 dBm			Antenna Gain :		0	dB		
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	Test Result					
					AWGN Signals	Number of Times	Number of Detected	Detection Rate	Limit	Pass/Fail
					Freq. (MHz)					
U-NII 8	802.11ax	20MHz	193	6915	6915	10	10	100%	90%	Pass
		160MHz	207	6985	6910	10	10	100%	90%	Pass
					6985	10	9	90%	90%	Pass
					7060	10	10	100%	90%	Pass
Result	Complied									

Lowest Interference (AWGN) Level Check							
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Threshold Level (dBm)	EUT Status
U-NII 6	802.11ax	20MHz	193	6915	6915	-63	Start transmitting
		160MHz	207	6985	6910	-65	Start transmitting
					6985	-63	Start transmitting
					7060	-63	Start transmitting



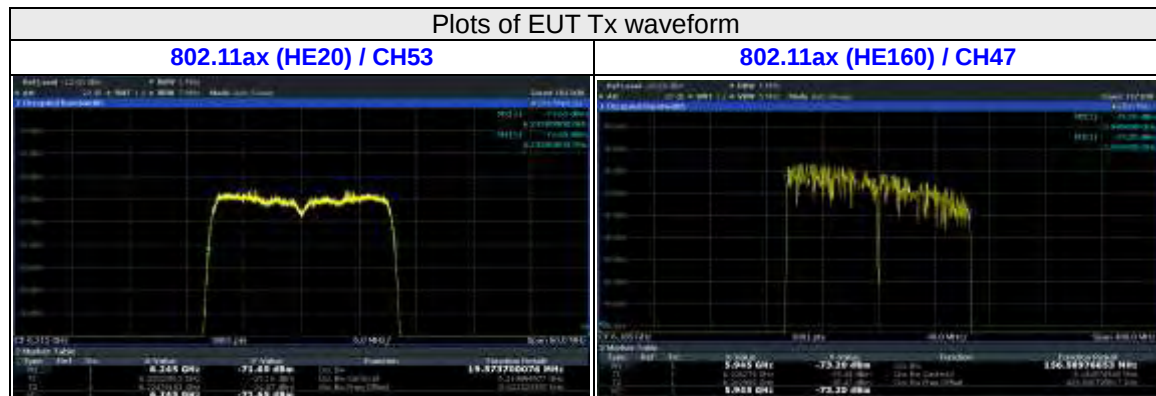


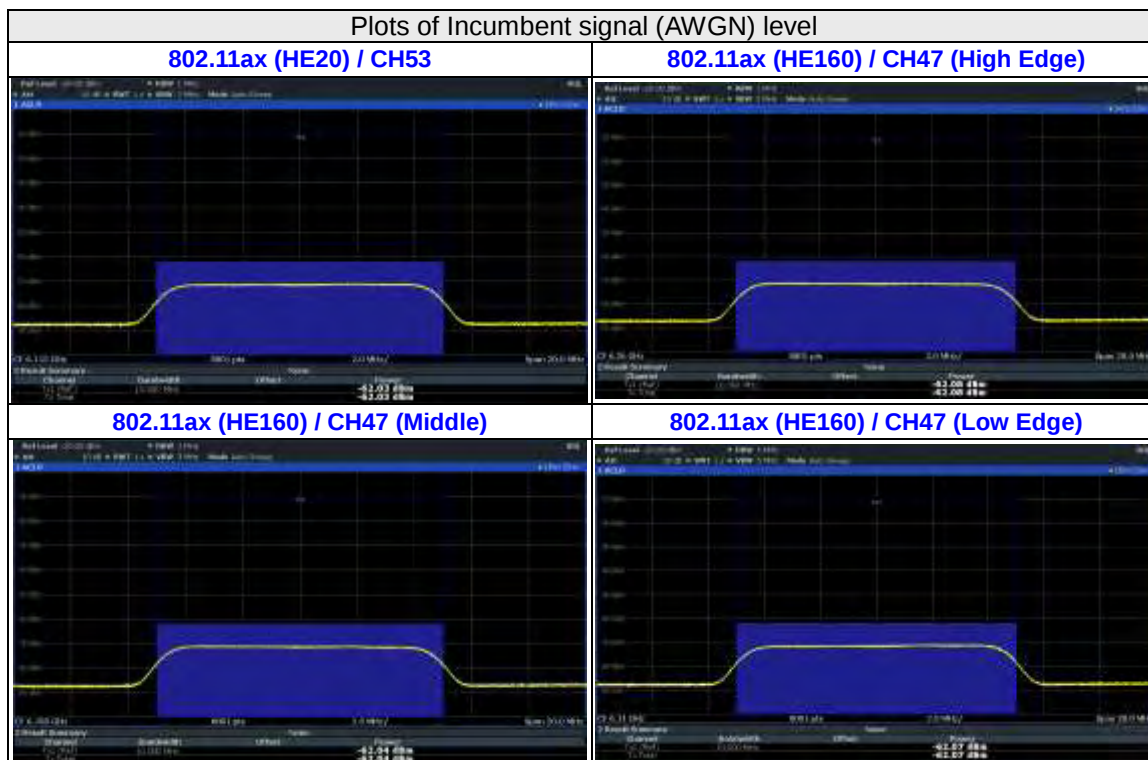


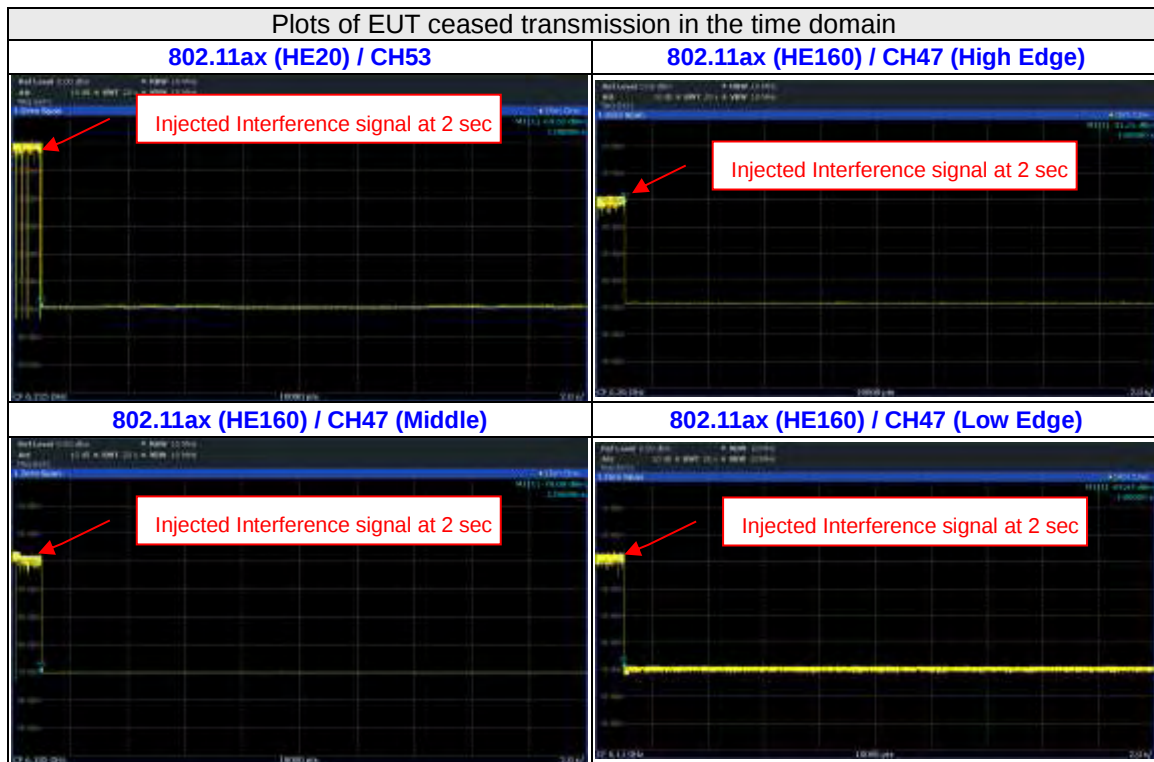
**Without external LNA
For U-NII-5 band**

Contention Based Protocol Measurement										
Measurement Mode :		Conducted measurement			Device Type :		Dual Client		at the antenna connector	
The Incumbent Signal (AWGN) Level (dBm)		-62 dBm			Antenna Gain :		0	dBi		
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	Test Result					
					AWGN Signals	Number of Times	Number of Detected	Detection Rate	Limit	Pass/Fail
					Freq. (MHz)					
U-NII 5	802.11ax	20MHz	53	6215	6215	10	10	100%	90%	Pass
		160MHz	47	6185	6110	10	10	100%	90%	Pass
					6185	10	9	90%	90%	Pass
					6260	10	9	90%	90%	Pass
Result	Complied									

Lowest Interference (AWGN) Level Check							
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Threshold Level (dBm)	EUT Status
U-NII 5	802.11ax	20MHz	53	6215	6215	-63	Start transmitting
		160MHz	47	6185	6110	-64	Start transmitting
					6185	-63	Start transmitting
					6260	-63	Start transmitting



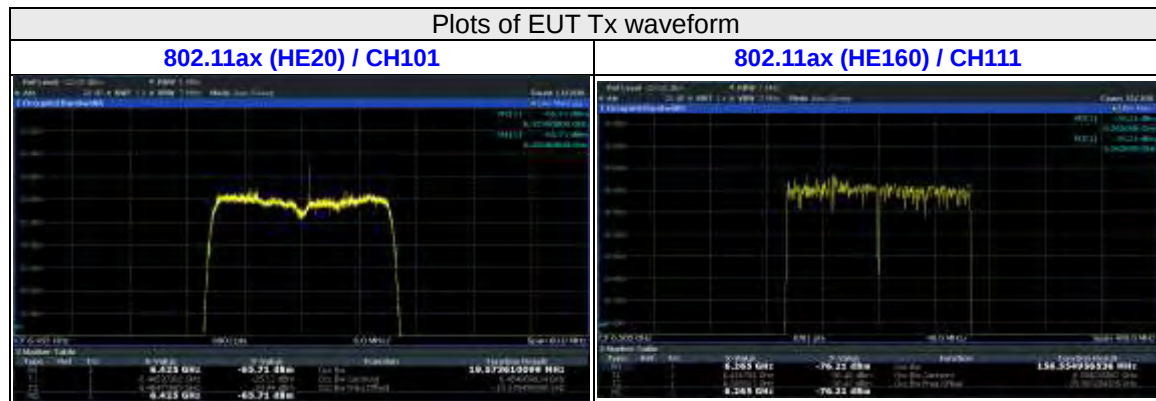




For U-NII-6 band

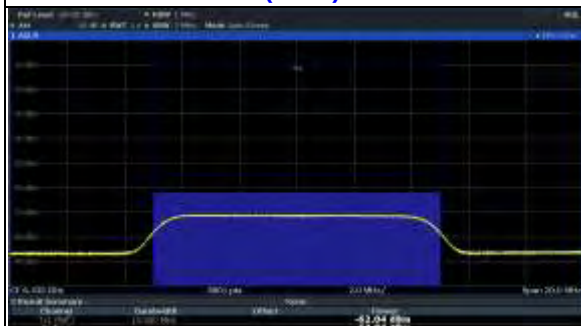
Contention Based Protocol Measurement										
Measurement Mode :		Conducted measurement			Device Type :		Dual Client		at the antenna connector	
The lowest Incumbent (AWGN) Signal Level (dBm)		-62 dBm			Antenna Gain :		0	dBi		
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	Test Result					
					AWGN Signals	Number of Times	Number of Detected	Detection Rate	Limit	Pass/Fail
					Freq. (MHz)					
U-NII 6	802.11ax	20MHz	101	6455	6455	10	10	100%	90%	Pass
		160MHz	111	6505	6430	10	10	100%	90%	Pass
					6505	10	9	90%	90%	Pass
					6580	10	9	100%	90%	Pass
Result	Complied									

Lowest Interference (AWGN) Level Check							
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Threshold Level (dBm)	EUT Status
U-NII 6	802.11ax	20MHz	101	6455	6455	-63	Start transmitting
		160MHz	111	6505	6430	-64	Start transmitting
					6505	-63	Start transmitting
					6580	-63	Start transmitting

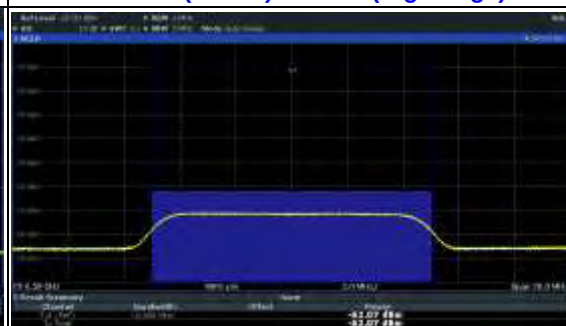


Plots of Incumbent signal (AWGN) level

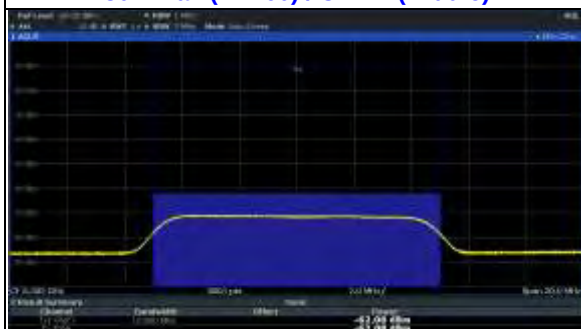
802.11ax (HE20) / CH101



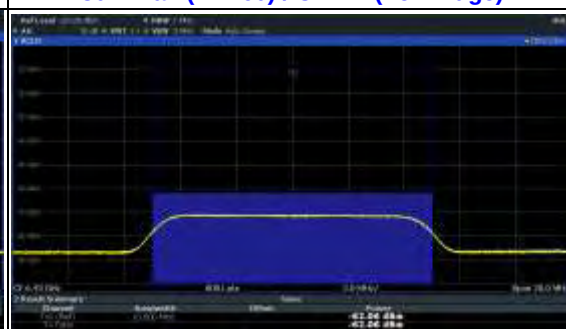
802.11ax (HE160) / CH111 (High Edge)

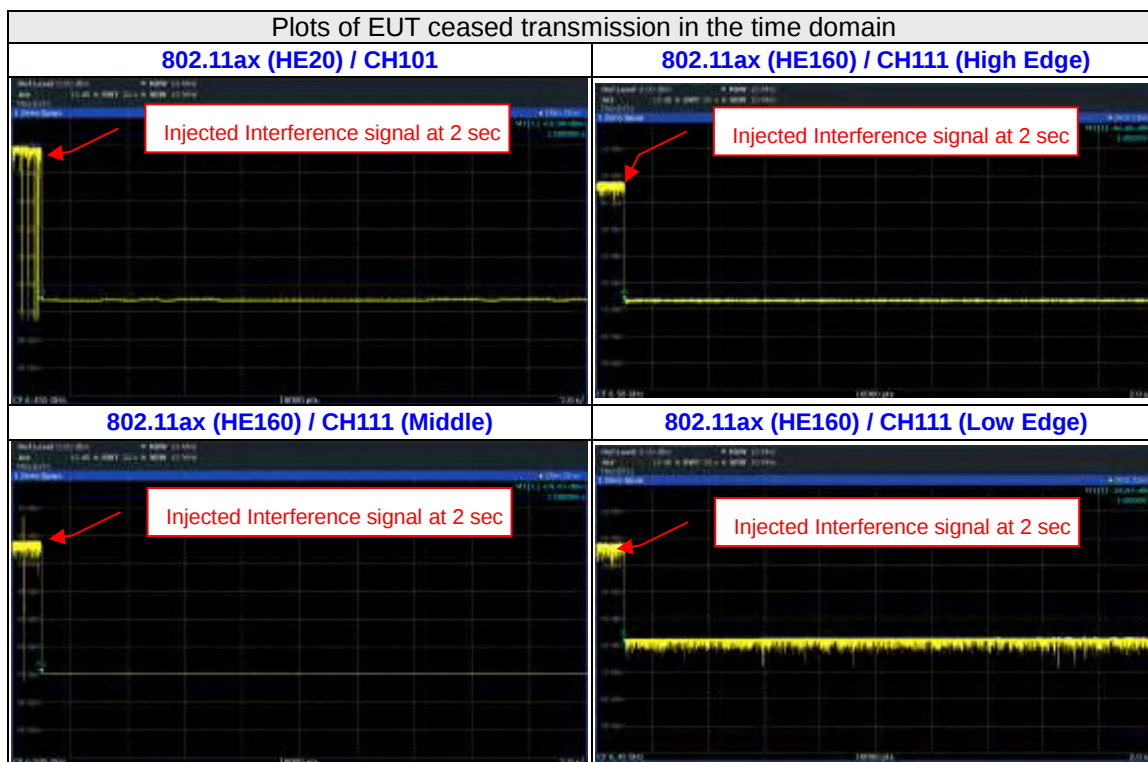


802.11ax (HE160) / CH111 (Middle)



802.11ax (HE160) / CH111 (Low Edge)

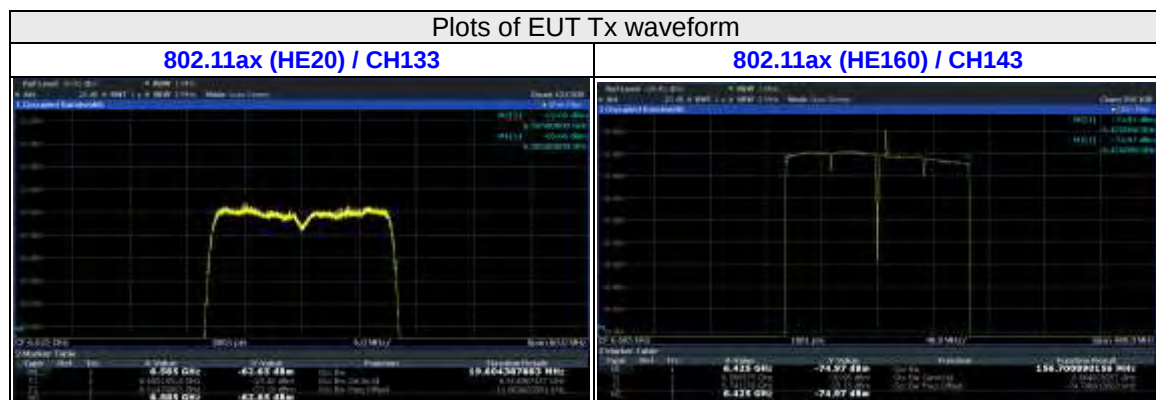


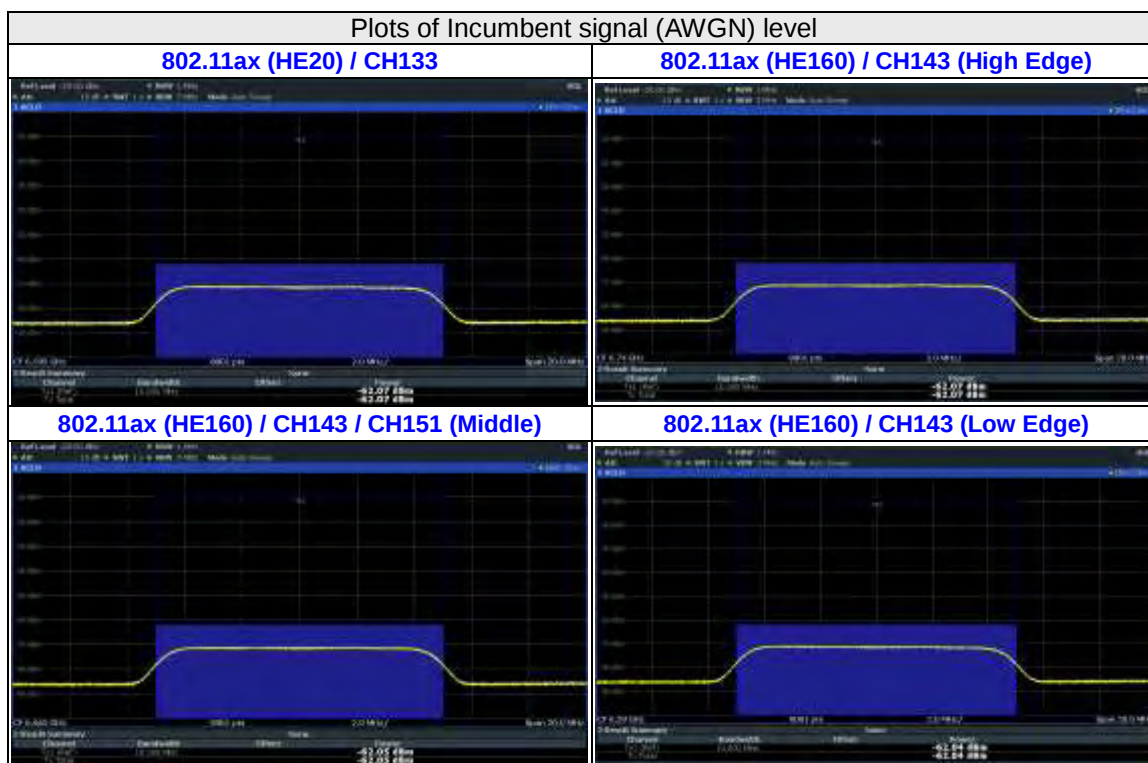


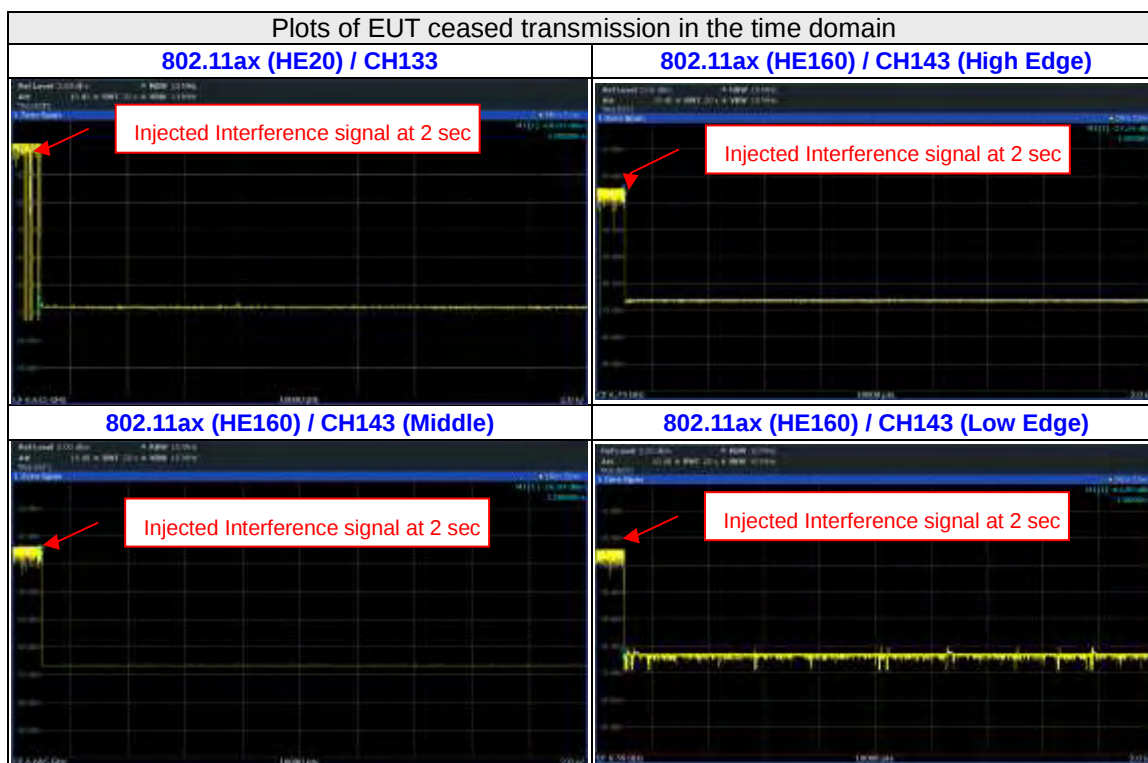
For U-NII-7 band

Contention Based Protocol Measurement										
Measurement Mode :		Conducted measurement			Device Type :		Dual Client		at the antenna connector	
The Incumbent Signal (AWGN) Level (dBm)		-62 dBm			Antenna Gain :		0	dBi		
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	Test Result					
					AWGN Signals	Number of Times	Number of Detected	Detection Rate	Limit	Pass/Fail
					Freq. (MHz)					
U-NII 7	802.11ax	20MHz	133	6615	6615	10	10	100%	90%	Pass
		160MHz	143	6665	6590	10	10	100%	90%	Pass
					6665	10	9	100%	90%	Pass
					6740	10	9	100%	90%	Pass
Result	Complied									

Lowest Interference (AWGN) Level Check							
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Threshold Level (dBm)	EUT Status
U-NII 7	802.11ax	20MHz	133	6615	6615	-64	Start transmitting
		160MHz	143	6665	6590	-63	Start transmitting
					6665	-63	Start transmitting
					6740	-63	Start transmitting



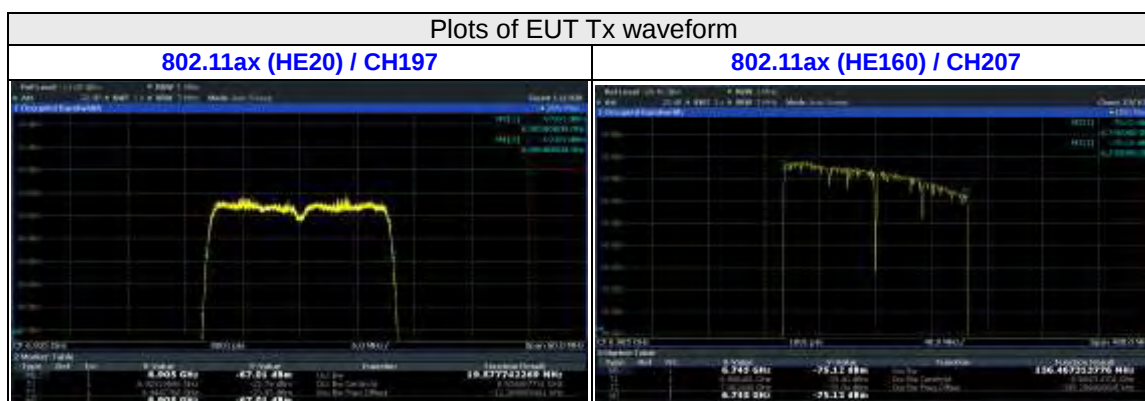


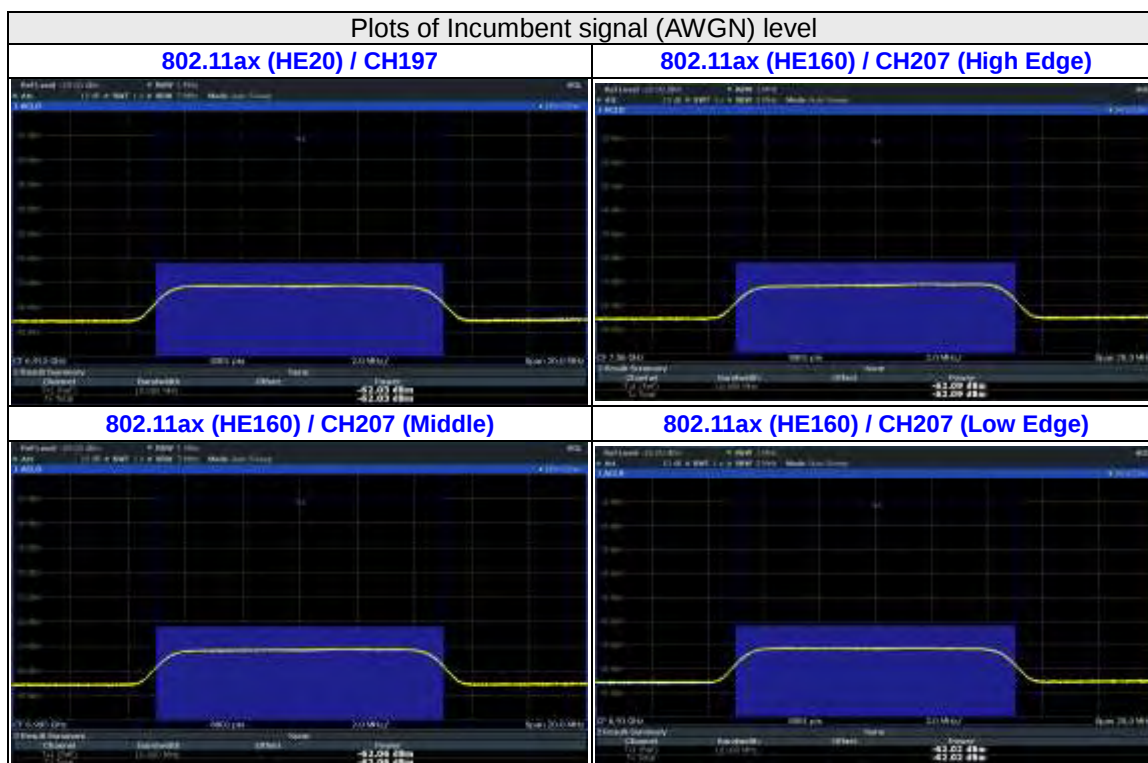


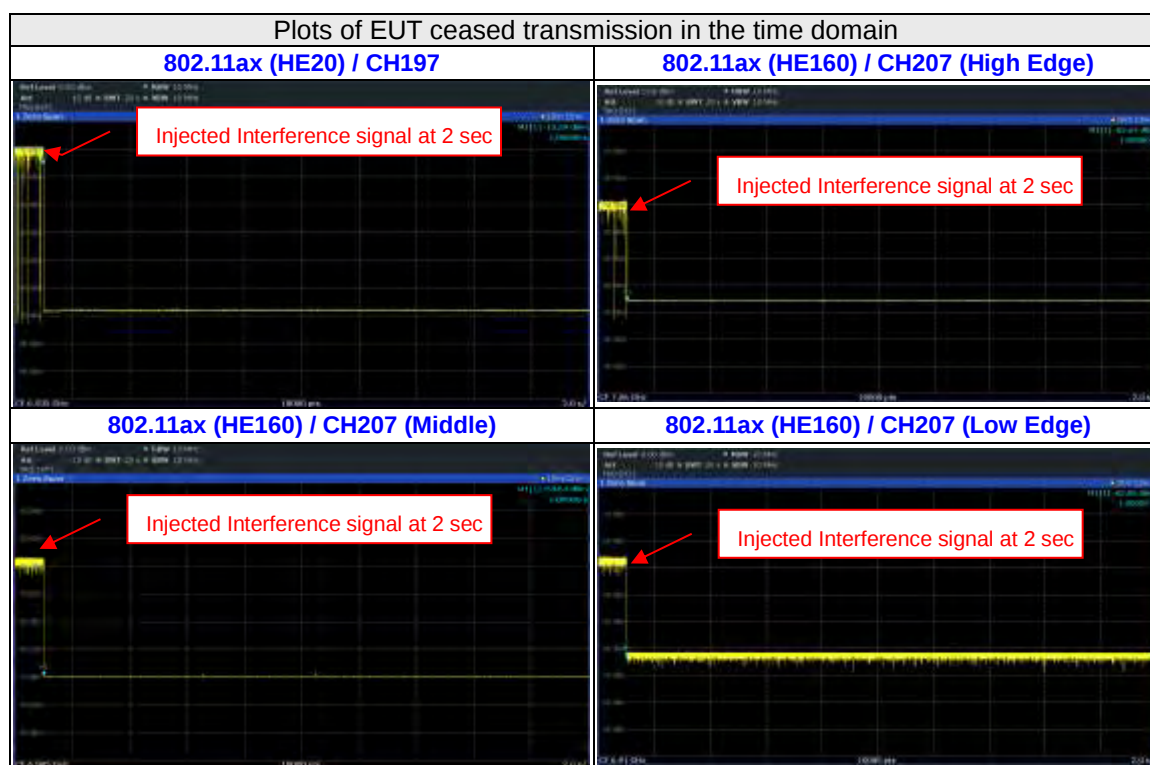
For U-NII-8 band

Contention Based Protocol Measurement										
Measurement Mode :		Conducted measurement			Device Type :		Dual Client		at the antenna connector	
The Incumbent Signal (AWGN) Level (dBm)		-62 dBm			Antenna Gain :		0	dB		
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	Test Result					
					AWGN Signals	Number of Times	Number of Detected	Detection Rate	Limit	Pass/Fail
					Freq. (MHz)					
U-NII 8	802.11ax	20MHz	197	6935	6935	10	10	100%	90%	Pass
		160MHz	207	6985	6910	10	9	100%	90%	Pass
					6985	10	9	90%	90%	Pass
					7060	10	9	100%	90%	Pass
Result	Complied									

Lowest Interference (AWGN) Level Check							
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Threshold Level (dBm)	EUT Status
U-NII 6	802.11ax	20MHz	197	6935	6935	-63	Start transmitting
		160MHz	207	6985	6910	-63	Start transmitting
					6985	-63	Start transmitting
					7060	-63	Start transmitting





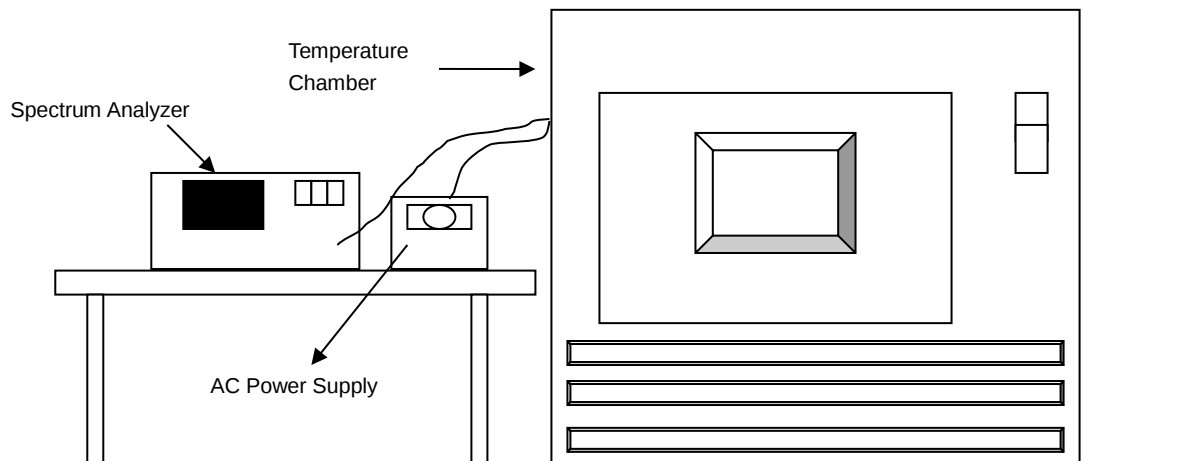


4.8 Frequency Stability Measurement

4.8.1 Limits of Frequency Stability Measurement

The frequency of the carrier signal shall be maintained within band of operation

4.8.2 Test Setup



4.8.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.8.4 Test Procedure

- The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 Minutes.
- Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed..
- The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 Minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

4.8.5 EUT Operating Condition

Set the EUT transmit at un-modulation mode to test frequency stability.

4.8.6 Test Results

Frequency Stability Versus Temp.									
Operating Frequency: 5935MHz									
TEMP. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail
70	3.3	5934.9838	Pass	5934.9827	Pass	5934.9834	Pass	5934.9877	Pass
60	3.3	5935.0016	Pass	5934.9994	Pass	5935.0013	Pass	5934.997	Pass
50	3.3	5935.0246	Pass	5935.0198	Pass	5935.0189	Pass	5935.0204	Pass
40	3.3	5935.0012	Pass	5935.005	Pass	5935.0048	Pass	5935.0042	Pass
30	3.3	5935	Pass	5934.9974	Pass	5935	Pass	5935.0006	Pass
20	3.3	5935.0208	Pass	5935.0249	Pass	5935.0221	Pass	5935.025	Pass
10	3.3	5934.9977	Pass	5934.9978	Pass	5935.0027	Pass	5935.003	Pass
0	3.3	5935.0025	Pass	5935.0051	Pass	5935.0067	Pass	5935.0064	Pass
-10	3.3	5934.9847	Pass	5934.9854	Pass	5934.9837	Pass	5934.9859	Pass

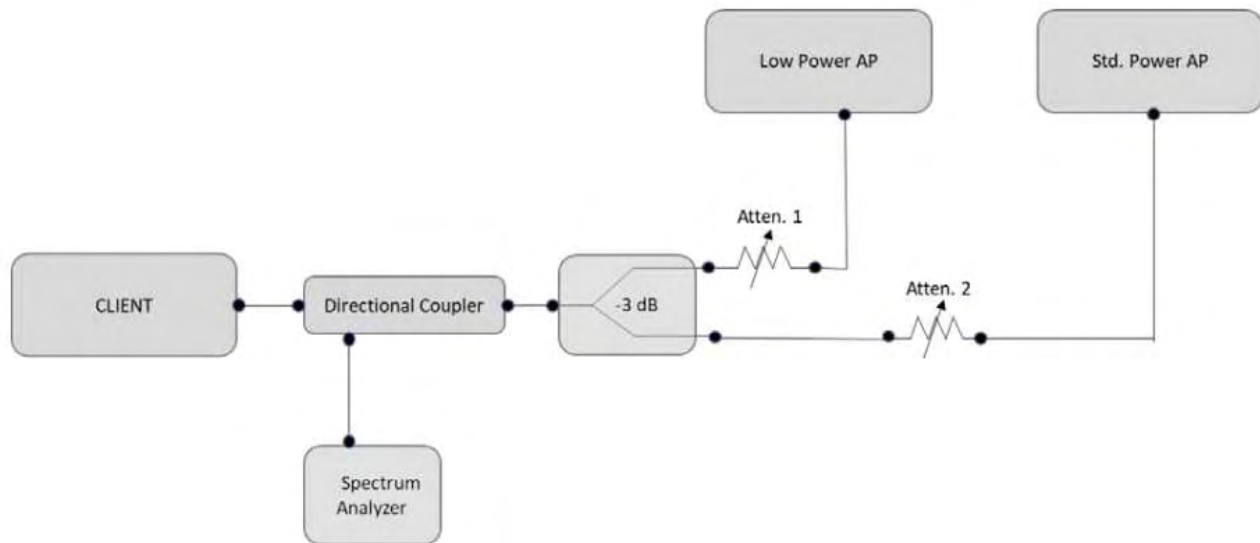
Frequency Stability Versus Voltage									
Operating Frequency: 5935MHz									
TEMP. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail
20	3.795	5935.0219	Pass	5935.0237	Pass	5935.0227	Pass	5935.026	Pass
	3.3	5935.0208	Pass	5935.0249	Pass	5935.0221	Pass	5935.025	Pass
	2.805	5935.0199	Pass	5935.0257	Pass	5935.0232	Pass	5935.0241	Pass

4.9 Dual Client- Proper Power Adjustment

4.9.1 Limits of Frequency Stability Measurement

A client device may connect to a Standard Power AP with a maximum power level of 30 dBm EIRP. A client may also connect to a Low Power indoor AP, but the power level is limited to a maximum of 24 dBm EIRP. If a client has the flexibility to connect to both APs, verification is needed to show that it can distinguish between the two configurations, and then control the power levels accordingly.

4.9.2 Test Setup



4.9.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.9.4 Test Procedure

- Connect equipment as shown in Figure above.
 - Adjust Atten 2 to Std Power AP so as to facilitate error free communication with the Client (Atten 1 should be set to High on the RF path to the Low Power AP).
 - Configure the Client and APs so that they associate and start sending data (stream data). It is important that the client is configured to transmit at its highest power level. Initially, because the attenuation on Atten 1 is set high, the Client will only associate with the Std Power AP.
 - Verify transmission between Client and Std Power AP. Additional attenuators may be required to protect measurement equipment. Measure the Client RF power using any of the methods in C63.10 for NII devices. Note – if the client RF power has been certified to never operate above 24 dBm EIRP then this test is not necessary.
 - Gradually increase Atten 2 while at the same time decreasing Atten 1. This simulates the Client moving from outdoors to indoors. At some level of attenuation the Client should associate with the Low Power indoor AP. Verify transmission between Client and Low Power AP.
 - Measure the RF power of the Client device using the same method as in step 4. Verify the power is no more than 24 dBm EIRP.
- Note – measuring Client RF power reliably from a directional coupler measurement port may be tricky. Due to coupling, some energy from the AP will show up on the measurement port. Signal isolation techniques on the measurement analyzer will need to be used.

4.9.5 EUT Operating Condition

Set the EUT to transmit with a constant duty cycle and relative operating parameters which including power level, operating frequency, modulation and bandwidth.

4.9.6 Test Results

Manufacturer declaration EUT meet the requirements, for more details please refer to declaration letter exhibit supplied within this application.

4.10 Operational Restrictions for 6GHz U-NII Devices

4.10.1 Limits of Operational Restrictions for 6 GHz U-NII Devices

- (1) Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.
- (2) Transmitters operating under indoor client are limited to indoor locations.
- (3) In the 5.925-7.125 GHz band, client devices must operate under the control of a standard power access point, indoor access point or subordinate devices; In all cases, an exception exists for transmitting brief messages to an access point when attempting to join its network after detecting a signal that confirms that an access point is operating on a particular channel. Client devices are prohibited from connecting directly to another client device.
- (4) Dual client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

4.10.2 Test Setup

N/A

4.10.3 Test Instruments

N/A

4.10.4 Test Procedure

N/A.

4.10.5 Test Results

Device is a dual client device, all restrictions are meet the §15.407 (d) requirements. Please refer to the Attestation letter exhibit supplied within this application.

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix A– Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

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Fax: 886-3-6668323

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Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

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Appendix B - Radiated Emission Measurement

5.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

Limits of unwanted emission out of the restricted bands

Frequencies (MHz)	EIRP Limit	Equivalent Field Strength at 3m
5925MHz > F > 7125MHz	Peak: -7 (dBm/MHz)	88.2(dBμV/m)
	Average: -27 (dBm/MHz)	68.2(dBμV/m)

Note:

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000 \sqrt{30P}}{3} \mu\text{V/m, where } P \text{ is the eirp (Watts).}$$

5.1.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY51210202	Dec. 01, 2020	Nov. 30, 2021
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Nov. 22, 2020	Nov. 21, 2021
Pre-Amplifier EMCI	EMC 12630 SE	980638	Apr. 08, 2020	Apr. 07, 2021
RF Cable	EMC104-SM-SM-1200	160922	Dec. 25, 2020	Dec. 24, 2021
RF Cable	EMC104-SM-SM-2000	180502	Apr. 29, 2020	Apr. 28, 2021
RF Cable	EMC104-SM-SM-6000	180418	Apr. 29, 2020	Apr. 28, 2021
Pre-Amplifier EMCI	EMC184045SE	980387	Jan. 11, 2021	Jan. 10, 2022
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170519	Nov. 22, 2020	Nov. 21, 2021
RF Cable	EMC102-KM-KM-1200	160924	Jan. 11, 2021	Jan. 10, 2022
RF Cable	EMC-KM-KM-4000	200214	Mar. 10, 2021	Mar. 09, 2022
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 4.
3. Tested Date: Mar. 16 to 23, 2021

5.1.3 Test Procedure

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

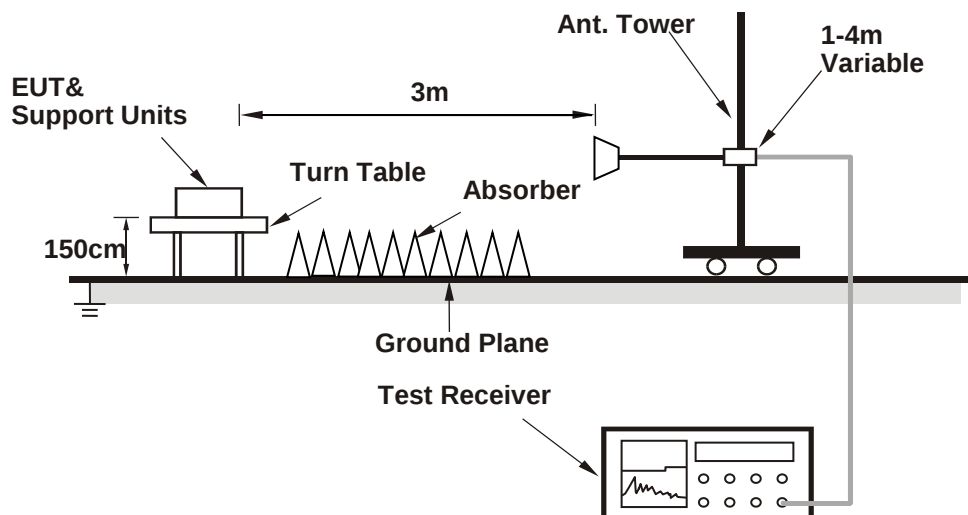
Note:

- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
- The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
- All modes of operation were investigated and the worst-case emissions are reported.

5.1.4 Deviation from Test Standard

No deviation.

5.1.5 Test Setup



For the actual test configuration, please refer to the attached file (Test Setup Photo).

5.1.6 EUT Operating Condition

Same as 4.1.6.

5.1.7 Test Results (Mode 1)

The EUT's antenna had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane**.

For Antenna Set 2:

RF Mode	TX 802.11a 6G	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	74.2 PK	88.2	-14.0	1.13 H	296	72.4	1.8
2	#5925.00	63.1 AV	68.2	-5.1	1.13 H	296	61.3	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	78.9 PK	88.2	-9.3	2.43 V	238	77.1	1.8
2	#5925.00	65.1 AV	68.2	-3.1	2.43 V	238	63.3	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE20)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	73.8 PK	88.2	-14.4	1.09 H	295	72.0	1.8
2	#5925.00	63.9 AV	68.2	-4.3	1.09 H	295	62.1	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	77.4 PK	88.2	-10.8	2.45 V	228	75.6	1.8
2	#5925.00	65.3 AV	68.2	-2.9	2.45 V	228	63.5	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE20)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	70.3 PK	88.2	-17.9	1.11 H	293	64.0	6.3
2	#7125.00	63.6 AV	68.2	-4.6	1.11 H	293	57.3	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	74.1 PK	88.2	-14.1	2.54 V	105	67.8	6.3
2	#7125.00	65.5 AV	68.2	-2.7	2.54 V	105	59.2	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	75.2 PK	88.2	-13.0	1.13 H	293	73.4	1.8
2	#5925.00	63.1 AV	68.2	-5.1	1.13 H	293	61.3	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	79.3 PK	88.2	-8.9	2.82 V	221	77.5	1.8
2	#5925.00	66.1 AV	68.2	-2.1	2.82 V	221	64.3	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	72.6 PK	88.2	-15.6	1.16 H	302	66.3	6.3
2	#7125.00	62.7 AV	68.2	-5.5	1.16 H	302	56.4	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	77.0 PK	88.2	-11.2	2.53 V	234	70.7	6.3
2	#7125.00	65.9 AV	68.2	-2.3	2.53 V	234	59.6	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU52)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	74.9 PK	88.2	-13.3	1.00 H	291	73.1	1.8
2	#5925.00	62.6 AV	68.2	-5.6	1.00 H	291	60.8	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	78.4 PK	88.2	-9.8	2.82 V	221	76.6	1.8
2	#5925.00	65.6 AV	68.2	-2.6	2.82 V	221	63.8	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU52)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	75.3 PK	88.2	-12.9	1.17 H	282	69.0	6.3
2	#7125.00	62.3 AV	68.2	-5.9	1.17 H	282	56.0	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	78.9 PK	88.2	-9.3	2.53 V	234	72.6	6.3
2	#7125.00	65.3 AV	68.2	-2.9	2.53 V	234	59.0	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	72.4 PK	88.2	-15.8	1.15 H	299	70.6	1.8
2	#5925.00	62.1 AV	68.2	-6.1	1.15 H	299	60.3	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	76.2 PK	88.2	-12.0	2.83 V	222	74.4	1.8
2	#5925.00	65.5 AV	68.2	-2.7	2.83 V	222	63.7	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	73.0 PK	88.2	-15.2	1.04 H	306	66.7	6.3
2	#7125.00	62.5 AV	68.2	-5.7	1.04 H	306	56.2	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	76.4 PK	88.2	-11.8	2.57 V	242	70.1	6.3
2	#7125.00	65.7 AV	68.2	-2.5	2.57 V	242	59.4	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	73.1 PK	88.2	-15.1	1.13 H	289	71.3	1.8
2	#5925.00	62.2 AV	68.2	-6.0	1.13 H	289	60.4	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	77.3 PK	88.2	-10.9	2.83 V	226	75.5	1.8
2	#5925.00	65.7 AV	68.2	-2.5	2.83 V	226	63.9	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	73.6 PK	88.2	-14.6	1.11 H	287	67.3	6.3
2	#7125.00	61.9 AV	68.2	-6.3	1.11 H	287	55.6	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	77.8 PK	88.2	-10.4	2.54 V	235	71.5	6.3
2	#7125.00	65.4 AV	68.2	-2.8	2.54 V	235	59.1	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 160MHz Preamble 802.11ax (RU1992)	Channel	CH 15 : 6025 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	76.7 PK	88.2	-11.5	1.04 H	292	74.9	1.8
2	#5925.00	63.0 AV	68.2	-5.2	1.04 H	292	61.2	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	81.3 PK	88.2	-6.9	2.86 V	221	79.5	1.8
2	#5925.00	66.0 AV	68.2	-2.2	2.86 V	221	64.2	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

For Antenna Set 3:

RF Mode	TX 802.11a 6G	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	79.0 PK	88.2	-9.2	1.07 H	281	77.2	1.8
2	#5925.00	63.0 AV	68.2	-5.2	1.07 H	281	61.2	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	79.7 PK	88.2	-8.5	2.46 V	237	77.9	1.8
2	#5925.00	65.5 AV	68.2	-2.7	2.46 V	237	63.7	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE20)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	75.6 PK	88.2	-12.6	1.04 H	284	73.8	1.8
2	#5925.00	62.8 AV	68.2	-5.4	1.04 H	284	61.0	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	74.4 PK	88.2	-13.8	2.47 V	242	72.6	1.8
2	#5925.00	65.9 AV	68.2	-2.3	2.47 V	242	64.1	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE20)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	75.1 PK	88.2	-13.1	1.03 H	285	68.8	6.3
2	#7125.00	63.1 AV	68.2	-5.1	1.03 H	285	56.8	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	75.5 PK	88.2	-12.7	2.51 V	113	69.2	6.3
2	#7125.00	65.6 AV	68.2	-2.6	2.51 V	113	59.3	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	78.5 PK	88.2	-9.7	1.43 H	271	76.7	1.8
2	#5925.00	62.4 AV	68.2	-5.8	1.43 H	271	60.6	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	79.1 PK	88.2	-9.1	1.31 V	216	77.3	1.8
2	#5925.00	65.5 AV	68.2	-2.7	1.31 V	216	63.7	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	77.9 PK	88.2	-10.3	1.44 H	266	71.6	6.3
2	#7125.00	61.9 AV	68.2	-6.3	1.44 H	266	55.6	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	78.6 PK	88.2	-9.6	1.24 V	220	72.3	6.3
2	#7125.00	65.1 AV	68.2	-3.1	1.24 V	220	58.8	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU52)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	76.8 PK	88.2	-11.4	1.44 H	274	75.0	1.8
2	#5925.00	62.2 AV	68.2	-6.0	1.44 H	274	60.4	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	77.2 PK	88.2	-11.0	1.24 V	200	75.4	1.8
2	#5925.00	65.1 AV	68.2	-3.1	1.24 V	200	63.3	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU52)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	77.0 PK	88.2	-11.2	1.39 H	275	70.7	6.3
2	#7125.00	61.5 AV	68.2	-6.7	1.39 H	275	55.2	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	77.4 PK	88.2	-10.8	1.26 V	213	71.1	6.3
2	#7125.00	64.8 AV	68.2	-3.4	1.26 V	213	58.5	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	75.1 PK	88.2	-13.1	1.49 H	260	73.3	1.8
2	#5925.00	62.2 AV	68.2	-6.0	1.49 H	260	60.4	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	75.6 PK	88.2	-12.6	1.27 V	209	73.8	1.8
2	#5925.00	65.2 AV	68.2	-3.0	1.27 V	209	63.4	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	73.5 PK	88.2	-14.7	1.39 H	271	67.2	6.3
2	#7125.00	62.6 AV	68.2	-5.6	1.39 H	271	56.3	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	76.0 PK	88.2	-12.2	1.16 V	217	69.7	6.3
2	#7125.00	65.4 AV	68.2	-2.8	1.16 V	217	59.1	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	76.3 PK	88.2	-11.9	1.38 H	274	74.5	1.8
2	#5925.00	61.4 AV	68.2	-6.8	1.38 H	274	59.6	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	76.6 PK	88.2	-11.6	1.28 V	202	74.8	1.8
2	#5925.00	65.0 AV	68.2	-3.2	1.28 V	202	63.2	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	75.9 PK	88.2	-12.3	1.46 H	253	69.6	6.3
2	#7125.00	61.1 AV	68.2	-7.1	1.46 H	253	54.8	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	76.3 PK	88.2	-11.9	1.27 V	205	70.0	6.3
2	#7125.00	64.5 AV	68.2	-3.7	1.27 V	205	58.2	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 160MHz Preamble 802.11ax (RU1992)	Channel	CH 15 : 6025 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	78.9 PK	88.2	-9.3	1.49 H	261	77.1	1.8
2	#5925.00	62.4 AV	68.2	-5.8	1.49 H	261	60.6	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	80.8 PK	88.2	-7.4	1.26 V	215	79.0	1.8
2	#5925.00	65.7 AV	68.2	-2.5	1.26 V	215	63.9	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

5.1.8 Test Results (Mode 2)

For Antenna Set 2:

RF Mode	TX 802.11ax (HE20)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	73.8 PK	88.2	-14.4	1.09 H	295	72.0	1.8
2	#5925.00	63.9 AV	68.2	-4.3	1.09 H	295	62.1	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	77.4 PK	88.2	-10.8	2.45 V	228	75.6	1.8
2	#5925.00	65.3 AV	68.2	-2.9	2.45 V	228	63.5	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE20)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	70.3 PK	88.2	-17.9	1.11 H	293	64.0	6.3
2	#7125.00	63.6 AV	68.2	-4.6	1.11 H	293	57.3	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	74.1 PK	88.2	-14.1	2.54 V	105	67.8	6.3
2	#7125.00	65.5 AV	68.2	-2.7	2.54 V	105	59.2	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	75.2 PK	88.2	-13.0	1.13 H	293	73.4	1.8
2	#5925.00	63.1 AV	68.2	-5.1	1.13 H	293	61.3	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	79.3 PK	88.2	-8.9	2.82 V	221	77.5	1.8
2	#5925.00	66.1 AV	68.2	-2.1	2.82 V	221	64.3	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	72.6 PK	88.2	-15.6	1.16 H	302	66.3	6.3
2	#7125.00	62.7 AV	68.2	-5.5	1.16 H	302	56.4	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	77.0 PK	88.2	-11.2	2.53 V	234	70.7	6.3
2	#7125.00	65.9 AV	68.2	-2.3	2.53 V	234	59.6	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU52)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	74.9 PK	88.2	-13.3	1.00 H	291	73.1	1.8
2	#5925.00	62.6 AV	68.2	-5.6	1.00 H	291	60.8	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	78.4 PK	88.2	-9.8	2.82 V	221	76.6	1.8
2	#5925.00	65.6 AV	68.2	-2.6	2.82 V	221	63.8	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU52)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	75.3 PK	88.2	-12.9	1.17 H	282	69.0	6.3
2	#7125.00	62.3 AV	68.2	-5.9	1.17 H	282	56.0	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	78.9 PK	88.2	-9.3	2.53 V	234	72.6	6.3
2	#7125.00	65.3 AV	68.2	-2.9	2.53 V	234	59.0	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	72.4 PK	88.2	-15.8	1.15 H	299	70.6	1.8
2	#5925.00	62.1 AV	68.2	-6.1	1.15 H	299	60.3	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	76.2 PK	88.2	-12.0	2.83 V	222	74.4	1.8
2	#5925.00	65.5 AV	68.2	-2.7	2.83 V	222	63.7	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	73.0 PK	88.2	-15.2	1.04 H	306	66.7	6.3
2	#7125.00	62.5 AV	68.2	-5.7	1.04 H	306	56.2	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	76.4 PK	88.2	-11.8	2.57 V	242	70.1	6.3
2	#7125.00	65.7 AV	68.2	-2.5	2.57 V	242	59.4	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	73.1 PK	88.2	-15.1	1.13 H	289	71.3	1.8
2	#5925.00	62.2 AV	68.2	-6.0	1.13 H	289	60.4	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	77.3 PK	88.2	-10.9	2.83 V	226	75.5	1.8
2	#5925.00	65.7 AV	68.2	-2.5	2.83 V	226	63.9	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	73.6 PK	88.2	-14.6	1.11 H	287	67.3	6.3
2	#7125.00	61.9 AV	68.2	-6.3	1.11 H	287	55.6	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	77.8 PK	88.2	-10.4	2.54 V	235	71.5	6.3
2	#7125.00	65.4 AV	68.2	-2.8	2.54 V	235	59.1	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

For Antenna Set 3:

RF Mode	TX 802.11ax (HE20)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	75.6 PK	88.2	-12.6	1.04 H	284	73.8	1.8
2	#5925.00	62.8 AV	68.2	-5.4	1.04 H	284	61.0	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	74.4 PK	88.2	-13.8	2.47 V	242	72.6	1.8
2	#5925.00	65.9 AV	68.2	-2.3	2.47 V	242	64.1	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE20)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	75.1 PK	88.2	-13.1	1.03 H	285	68.8	6.3
2	#7125.00	63.1 AV	68.2	-5.1	1.03 H	285	56.8	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	75.5 PK	88.2	-12.7	2.51 V	113	69.2	6.3
2	#7125.00	65.6 AV	68.2	-2.6	2.51 V	113	59.3	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	78.5 PK	88.2	-9.7	1.43 H	271	76.7	1.8
2	#5925.00	62.4 AV	68.2	-5.8	1.43 H	271	60.6	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	79.1 PK	88.2	-9.1	1.31 V	216	77.3	1.8
2	#5925.00	65.5 AV	68.2	-2.7	1.31 V	216	63.7	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	77.9 PK	88.2	-10.3	1.44 H	266	71.6	6.3
2	#7125.00	61.9 AV	68.2	-6.3	1.44 H	266	55.6	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	78.6 PK	88.2	-9.6	1.24 V	220	72.3	6.3
2	#7125.00	65.1 AV	68.2	-3.1	1.24 V	220	58.8	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU52)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	76.8 PK	88.2	-11.4	1.44 H	274	75.0	1.8
2	#5925.00	62.2 AV	68.2	-6.0	1.44 H	274	60.4	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	77.2 PK	88.2	-11.0	1.24 V	200	75.4	1.8
2	#5925.00	65.1 AV	68.2	-3.1	1.24 V	200	63.3	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU52)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	77.0 PK	88.2	-11.2	1.39 H	275	70.7	6.3
2	#7125.00	61.5 AV	68.2	-6.7	1.39 H	275	55.2	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	77.4 PK	88.2	-10.8	1.26 V	213	71.1	6.3
2	#7125.00	64.8 AV	68.2	-3.4	1.26 V	213	58.5	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	75.1 PK	88.2	-13.1	1.49 H	260	73.3	1.8
2	#5925.00	62.2 AV	68.2	-6.0	1.49 H	260	60.4	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	75.6 PK	88.2	-12.6	1.27 V	209	73.8	1.8
2	#5925.00	65.2 AV	68.2	-3.0	1.27 V	209	63.4	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU106)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	73.5 PK	88.2	-14.7	1.39 H	271	67.2	6.3
2	#7125.00	62.6 AV	68.2	-5.6	1.39 H	271	56.3	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	76.0 PK	88.2	-12.2	1.16 V	217	69.7	6.3
2	#7125.00	65.4 AV	68.2	-2.8	1.16 V	217	59.1	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 2 : 5935 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	76.3 PK	88.2	-11.9	1.38 H	274	74.5	1.8
2	#5925.00	61.4 AV	68.2	-6.8	1.38 H	274	59.6	1.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	76.6 PK	88.2	-11.6	1.28 V	202	74.8	1.8
2	#5925.00	65.0 AV	68.2	-3.2	1.28 V	202	63.2	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 233 : 7115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	75.9 PK	88.2	-12.3	1.46 H	253	69.6	6.3
2	#7125.00	61.1 AV	68.2	-7.1	1.46 H	253	54.8	6.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#7125.00	76.3 PK	88.2	-11.9	1.27 V	205	70.0	6.3
2	#7125.00	64.5 AV	68.2	-3.7	1.27 V	205	58.2	6.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.