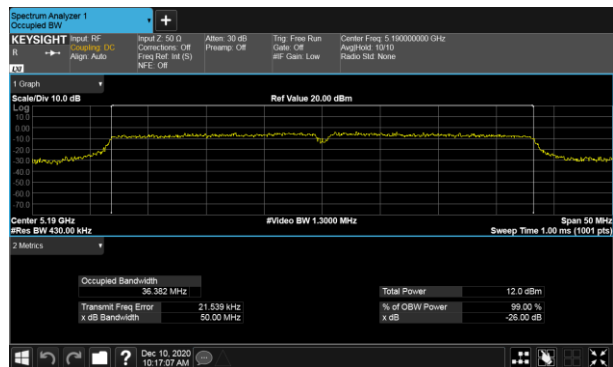


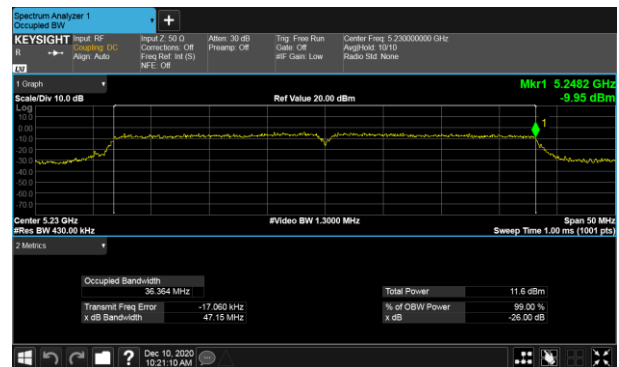
Report No.: T200522D10-RP4

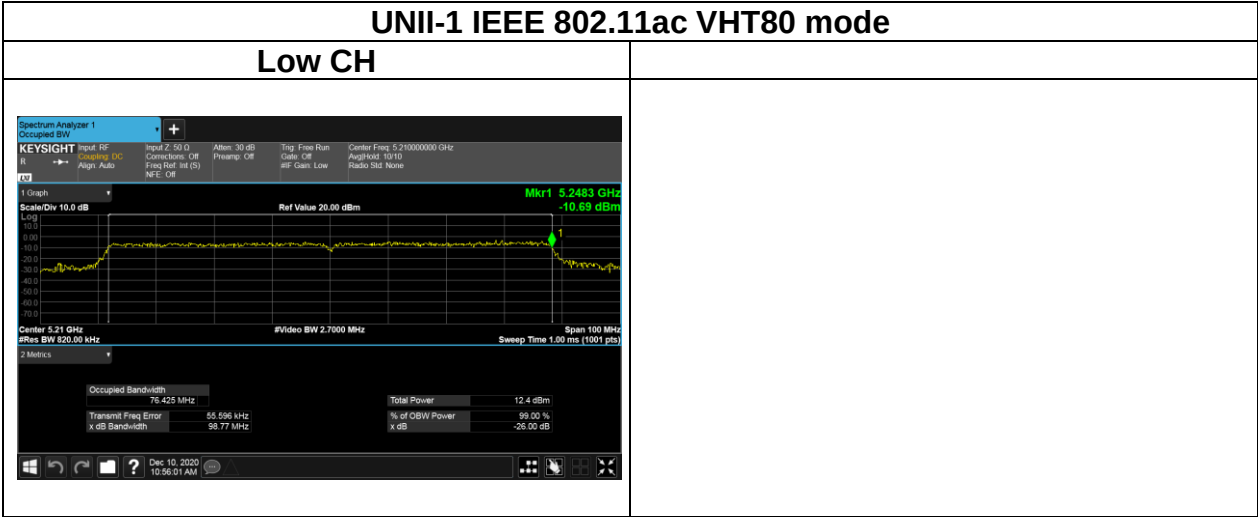
UNII-1 IEEE 802.11n HT40 mode

Low CH

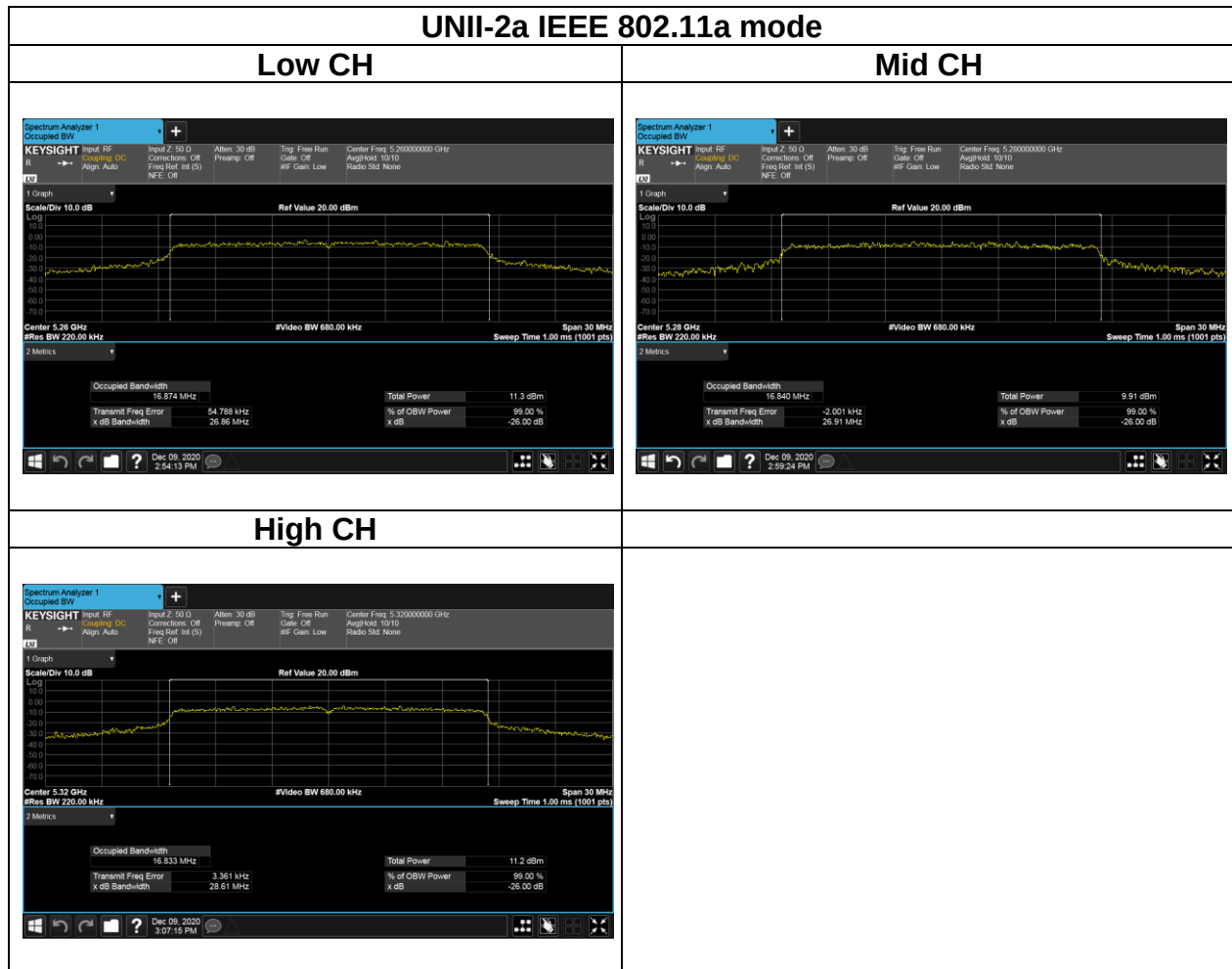


High CH

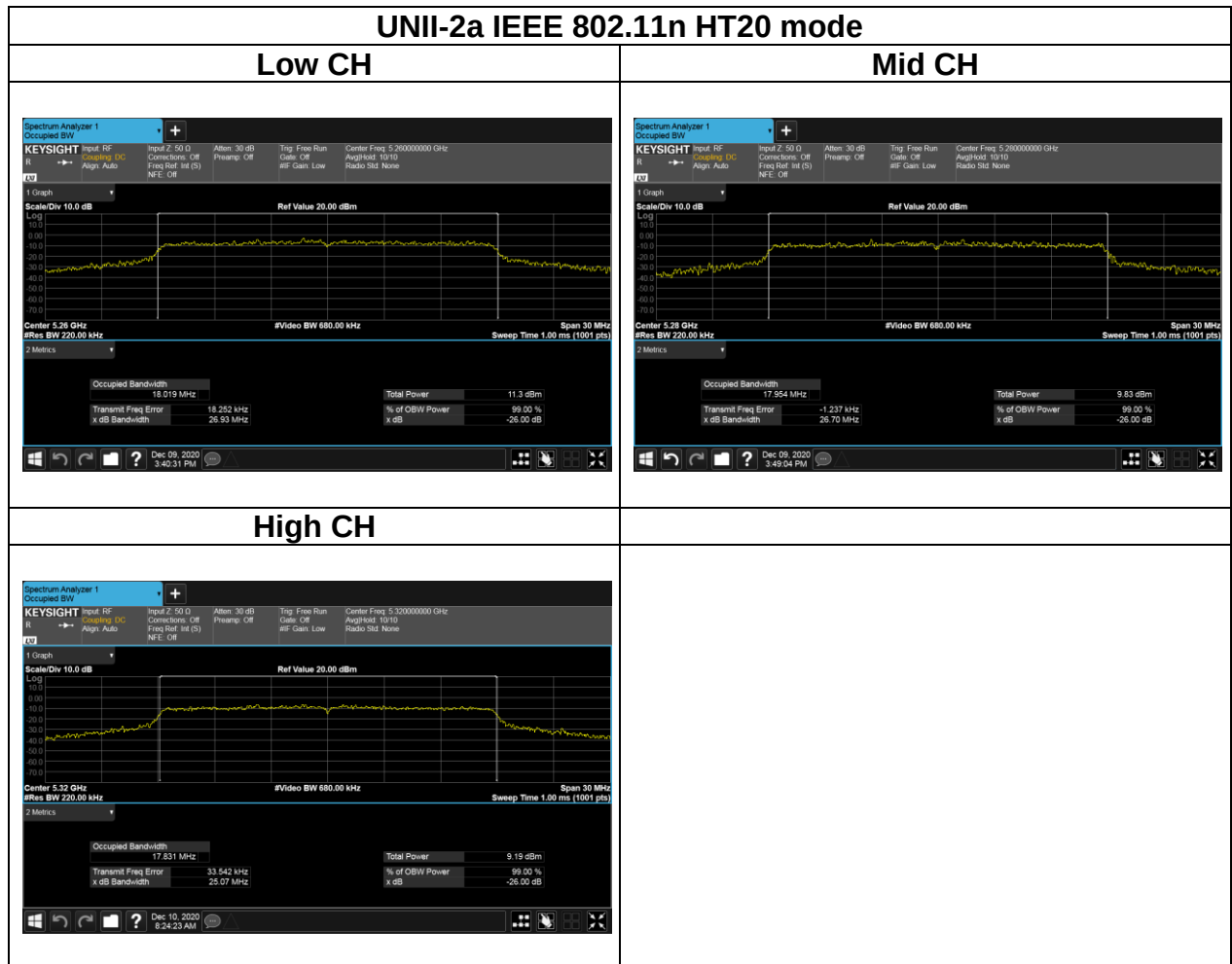




Report No.: T200522D10-RP4

Test Data (26dB BANDWIDTH)

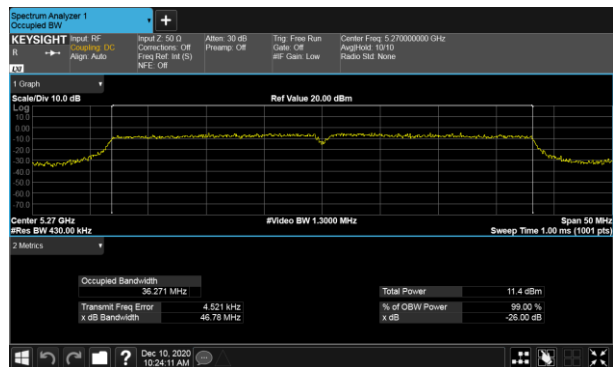
Report No.: T200522D10-RP4



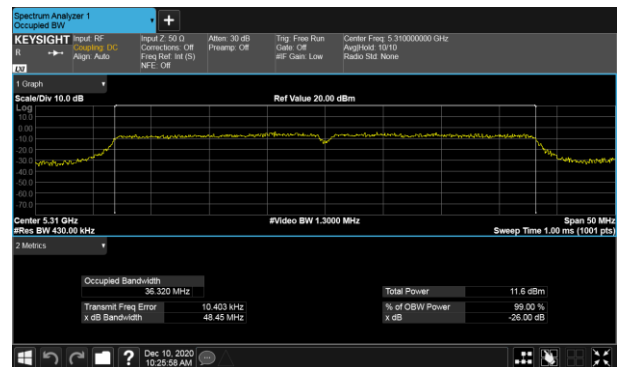
Report No.: T200522D10-RP4

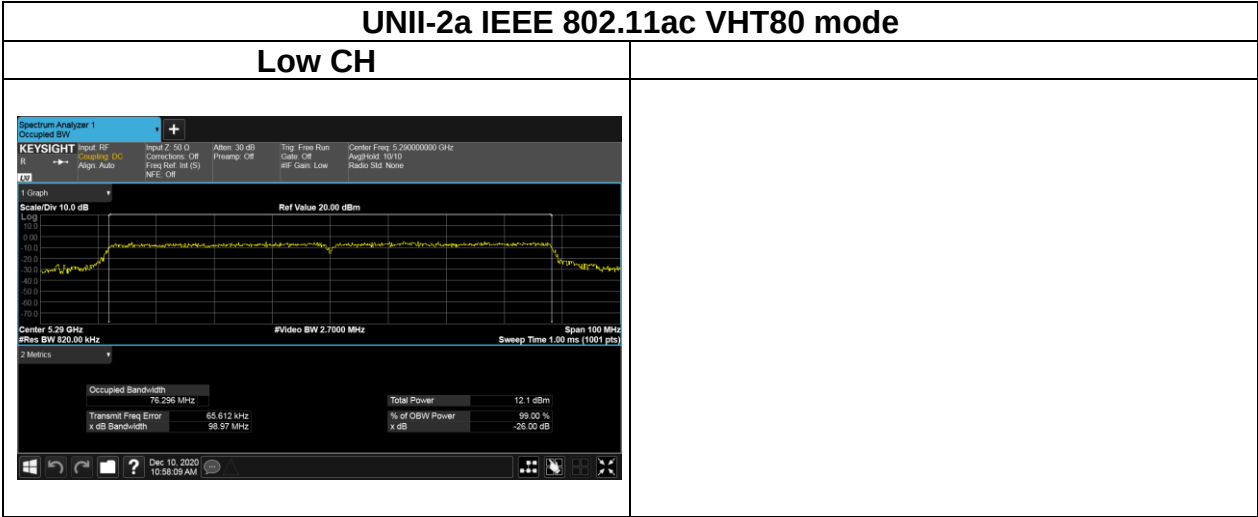
UNII-2a IEEE 802.11n HT40 mode

Low CH

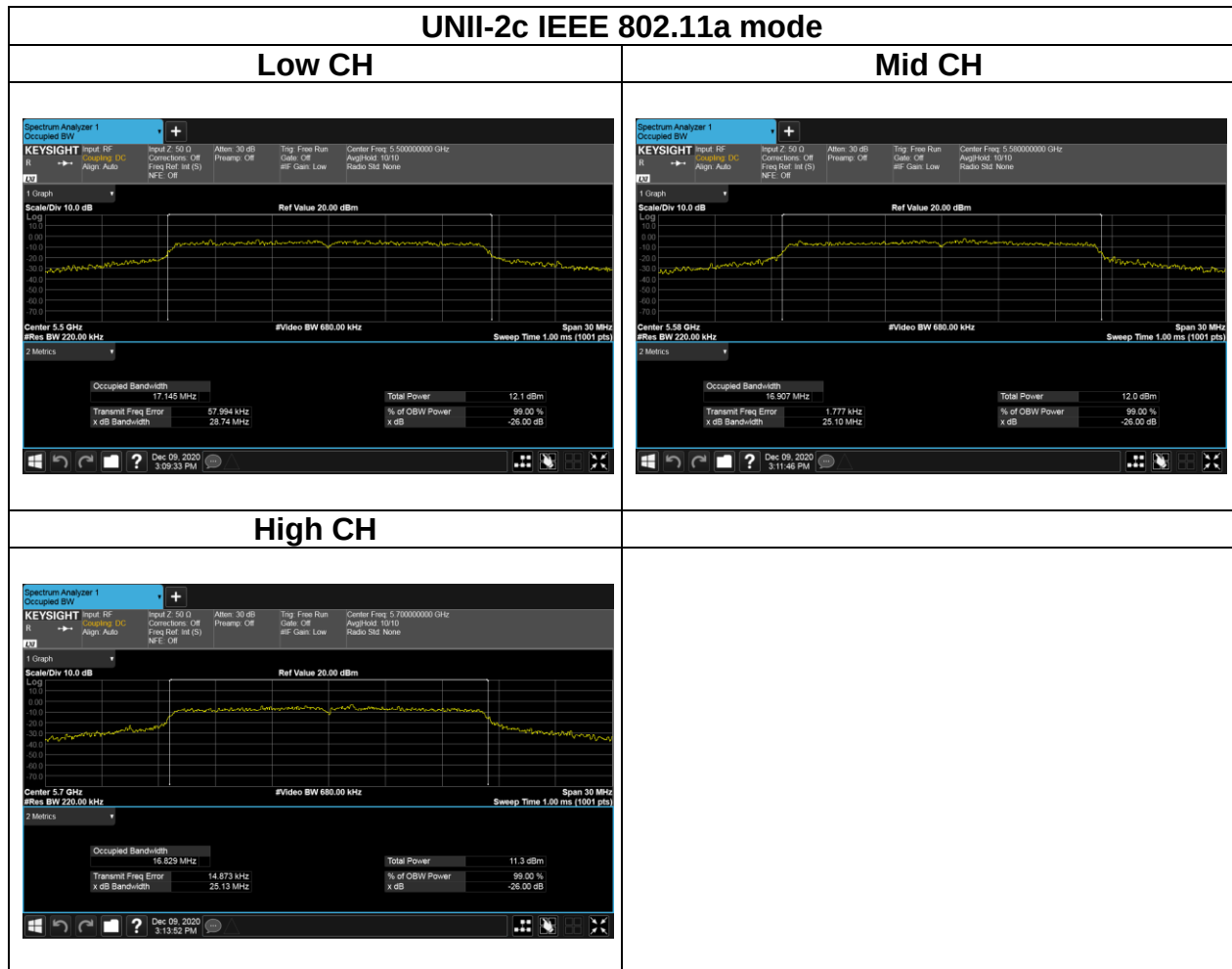


High CH





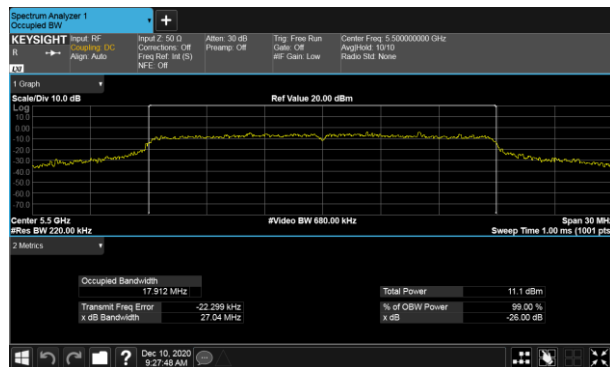
Report No.: T200522D10-RP4

Test Data (26dB BANDWIDTH)

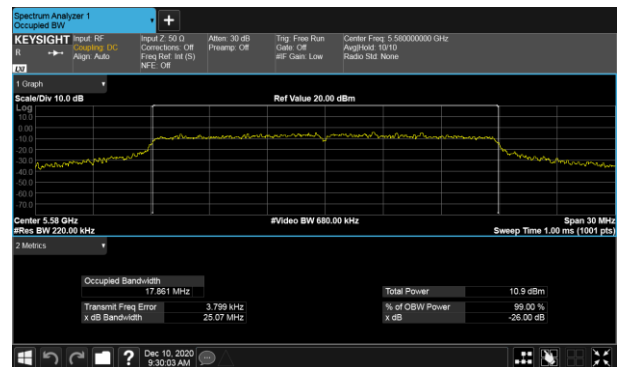
Report No.: T200522D10-RP4

UNII-2c IEEE 802.11n HT20 mode

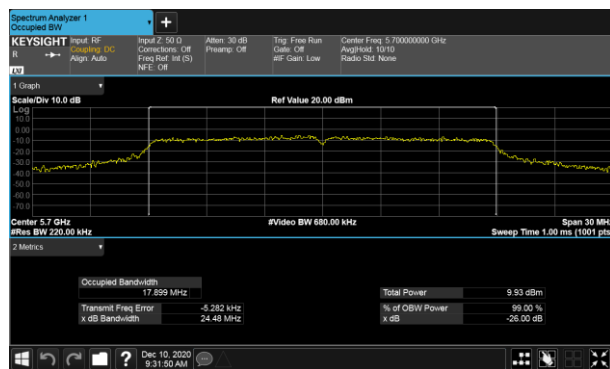
Low CH



Mid CH



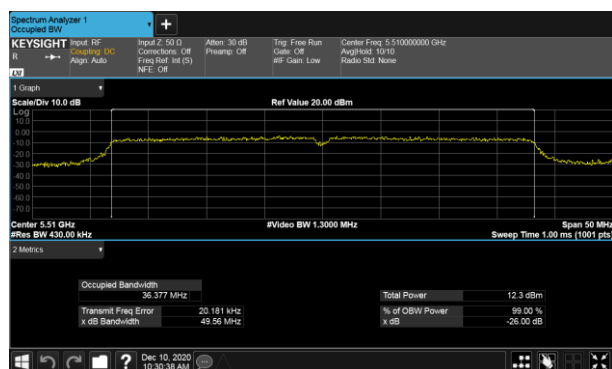
High CH



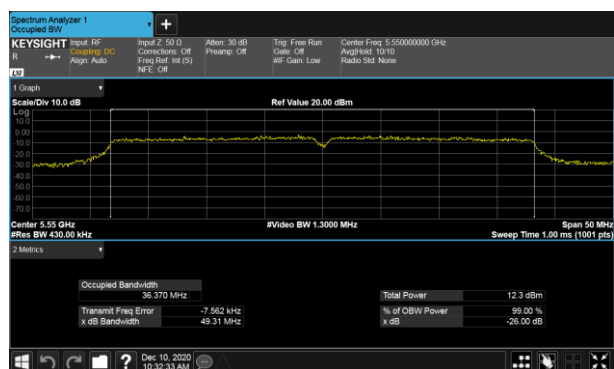
Report No.: T200522D10-RP4

UNII-2c IEEE 802.11n HT40 mode

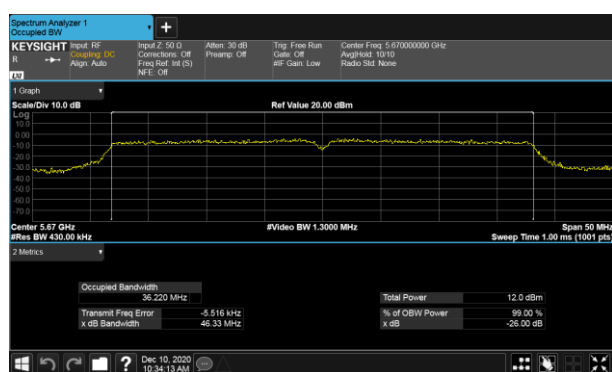
Low CH



Mid CH



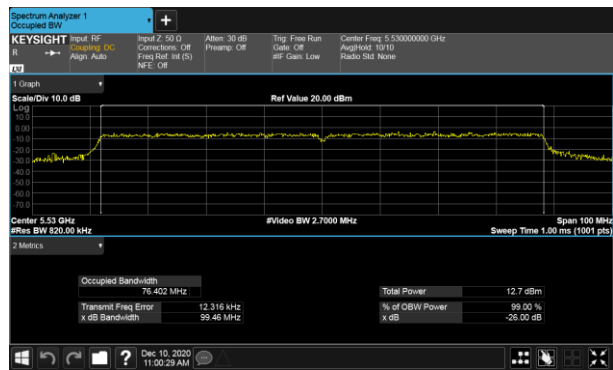
High CH



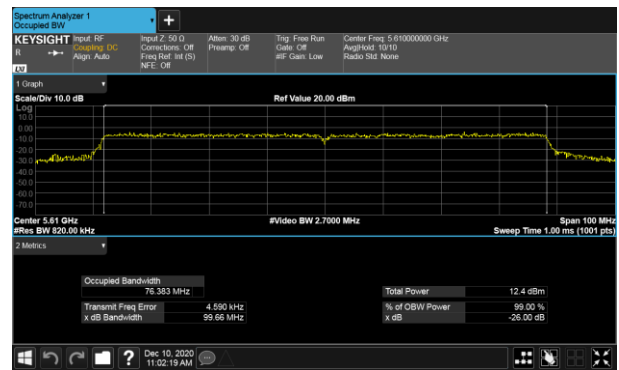
Report No.: T200522D10-RP4

UNII-2c IEEE 802.11ac VHT80 mode

Low CH



High CH

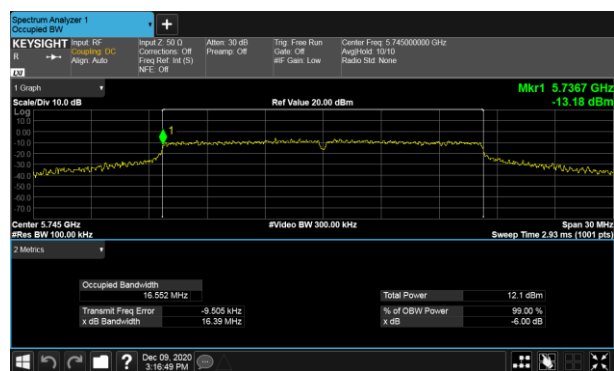


Report No.: T200522D10-RP4

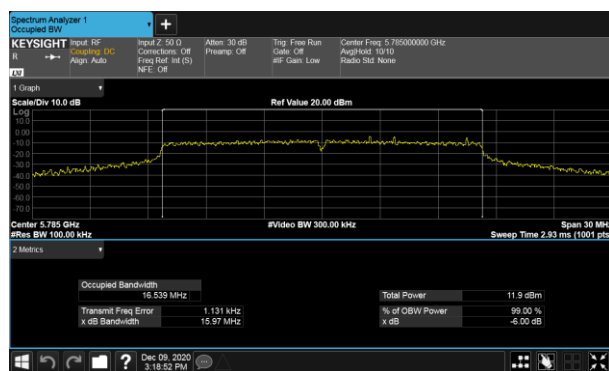
Test Data (6dB BANDWIDTH)

UNII-3 IEEE 802.11a mode

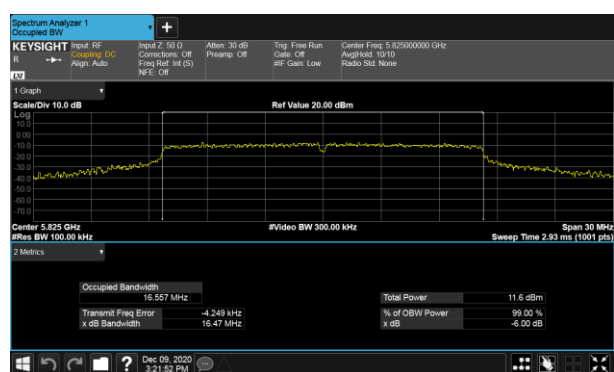
Low CH



Mid CH



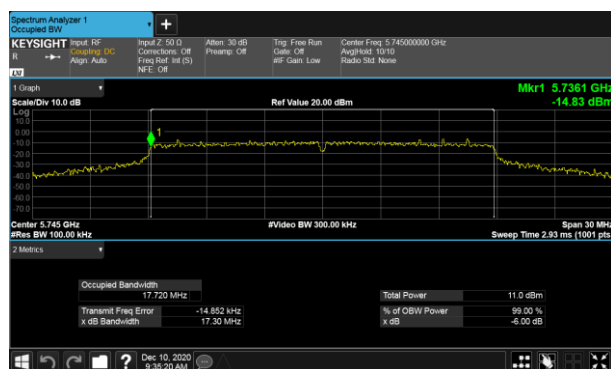
High CH



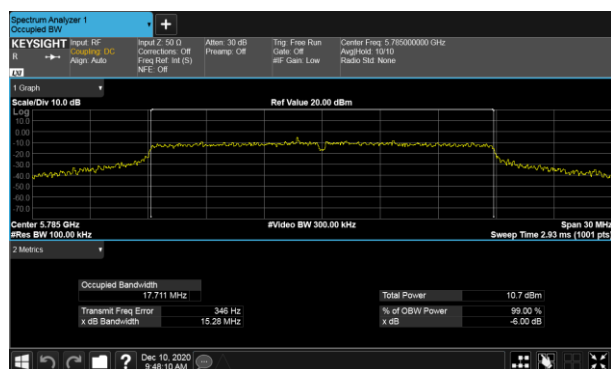
Report No.: T200522D10-RP4

UNII-3 IEEE 802.11n HT20 mode

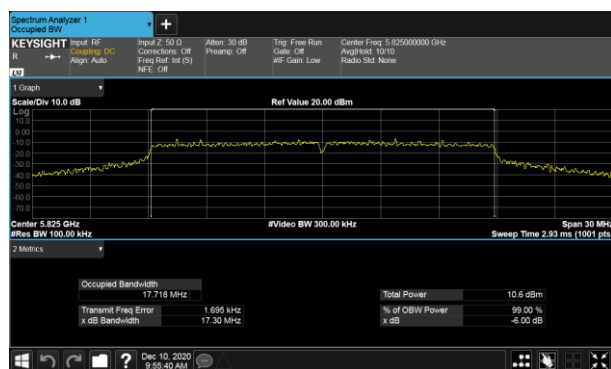
Low CH



Mid CH



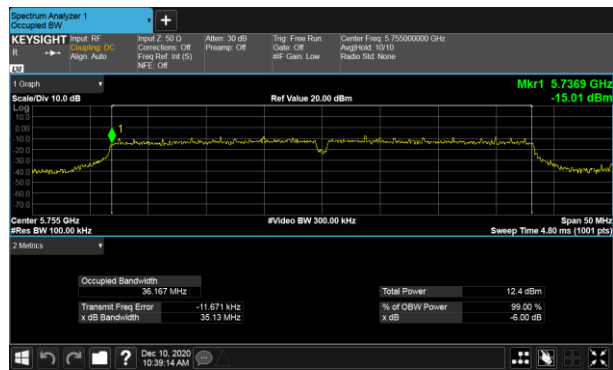
High CH



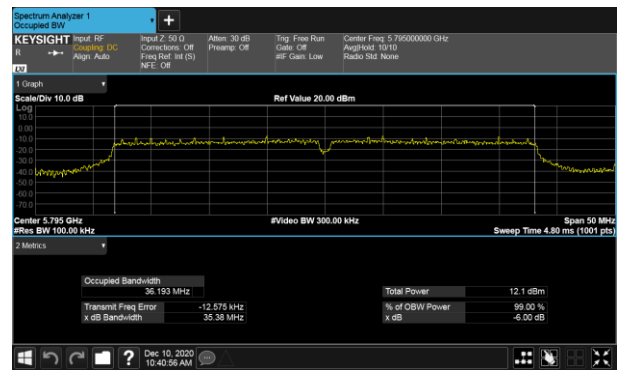
Report No.: T200522D10-RP4

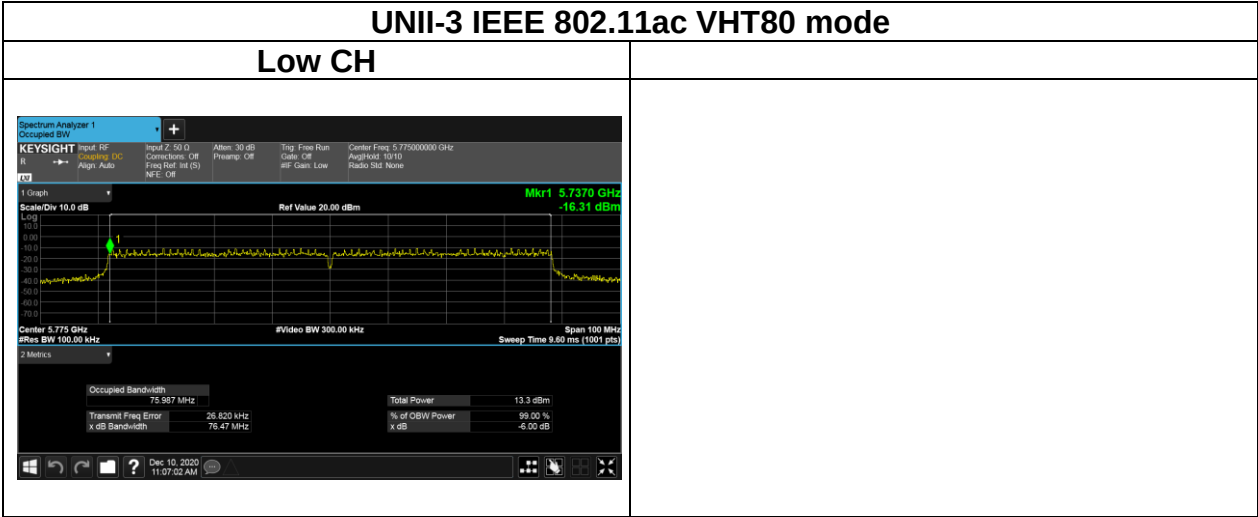
UNII-3 IEEE 802.11n HT40 mode

Low CH

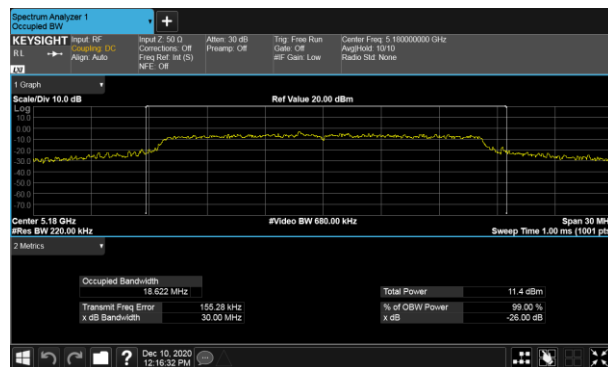
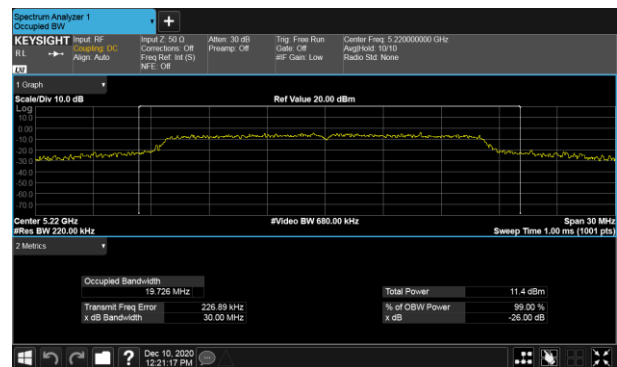


High CH





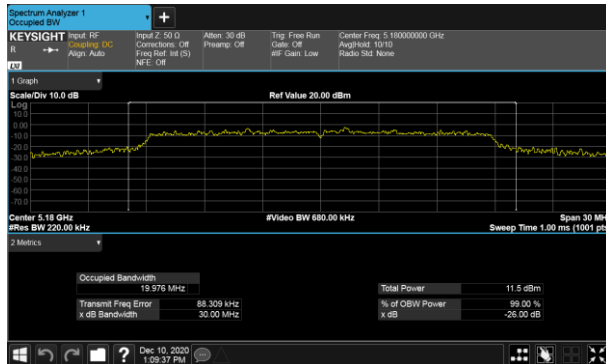
Report No.: T200522D10-RP4

Test Data (26dB BANDWIDTH)**Chain 1****UNII-1 IEEE 802.11a mode****Low CH****Mid CH****High CH**

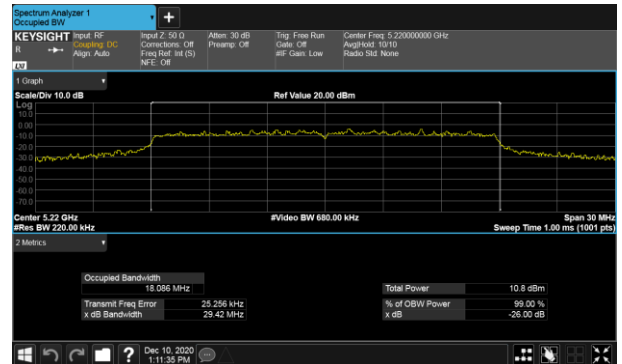
Report No.: T200522D10-RP4

UNII-1 IEEE 802.11n HT20 mode

Low CH



Mid CH



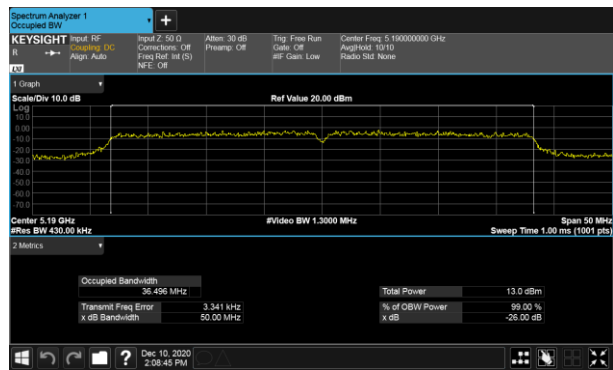
High CH



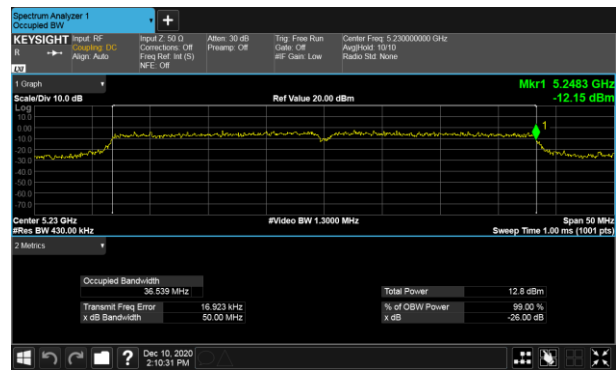
Report No.: T200522D10-RP4

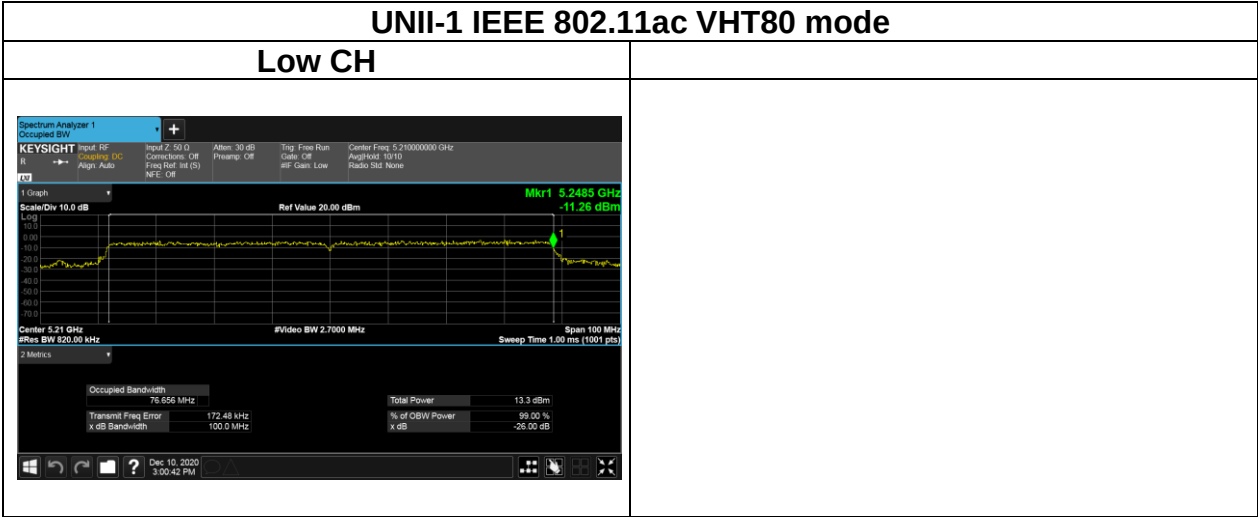
UNII-1 IEEE 802.11n HT40 mode

Low CH

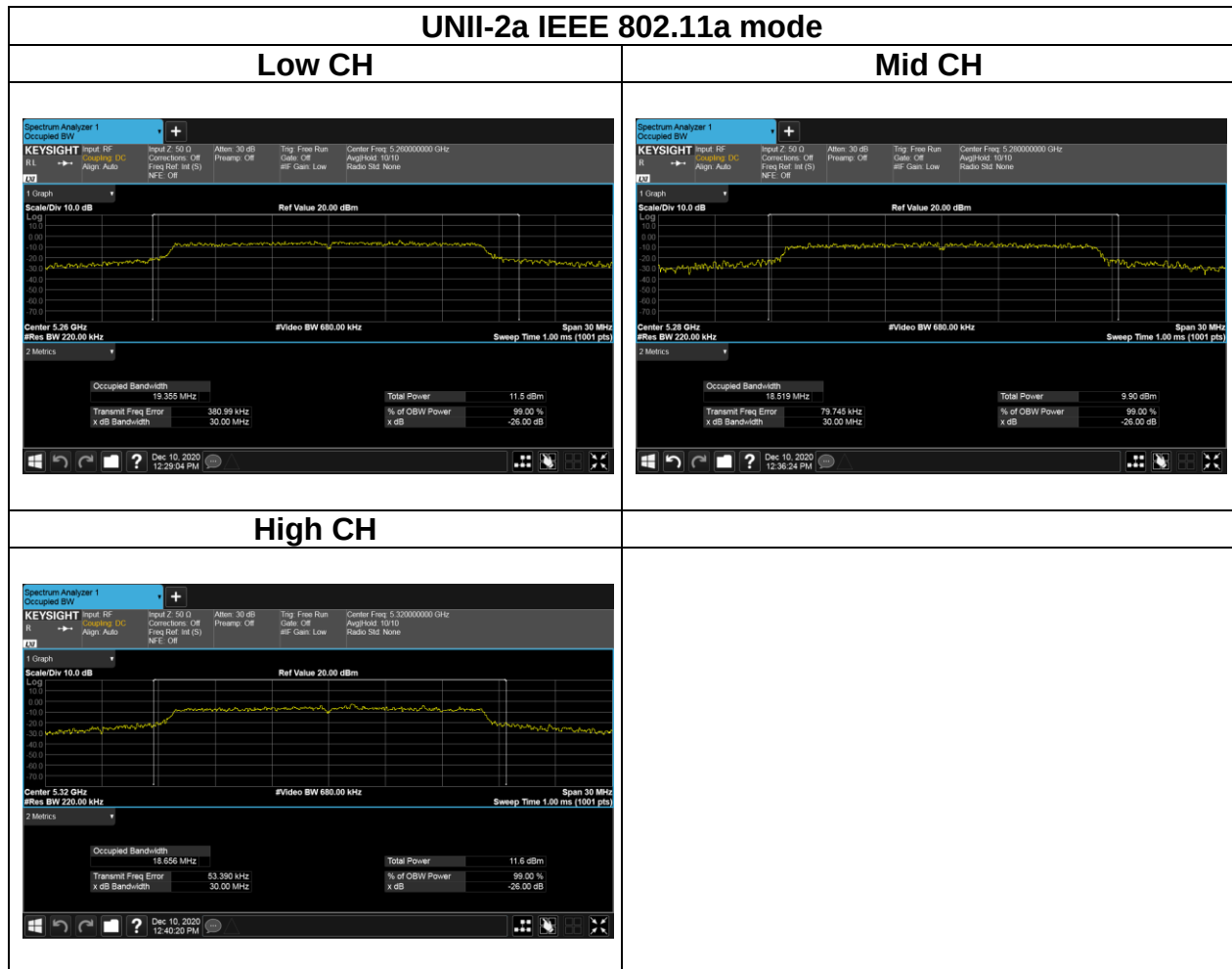


High CH

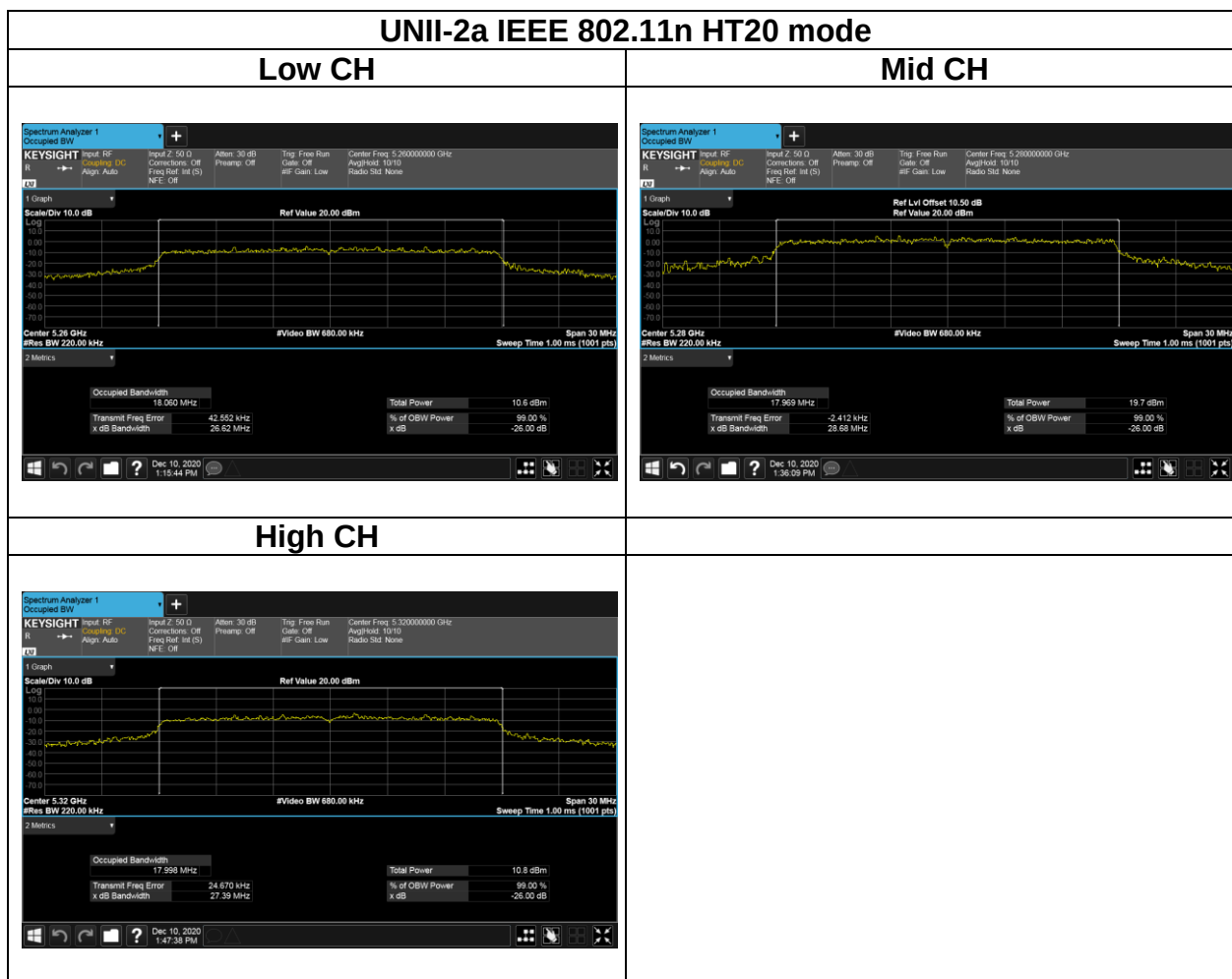




Report No.: T200522D10-RP4

Test Data (26dB BANDWIDTH)

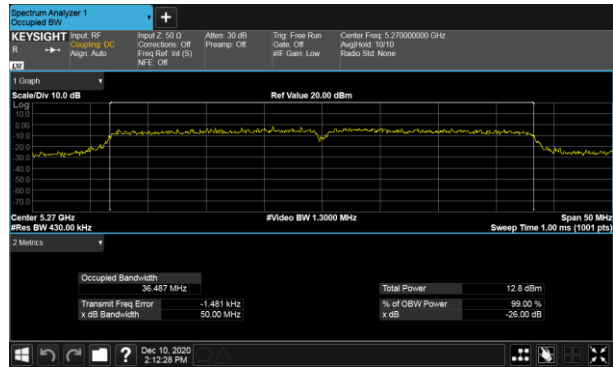
Report No.: T200522D10-RP4



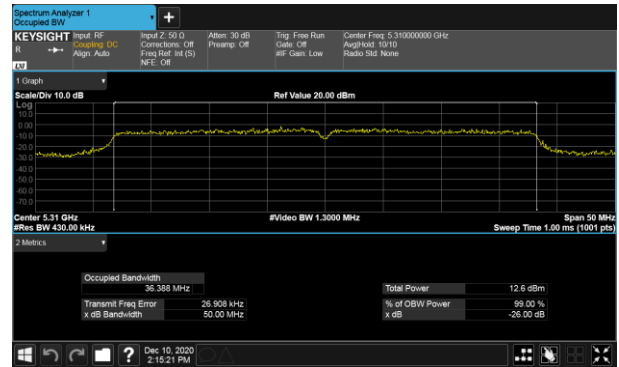
Report No.: T200522D10-RP4

UNII-2a IEEE 802.11n HT40 mode

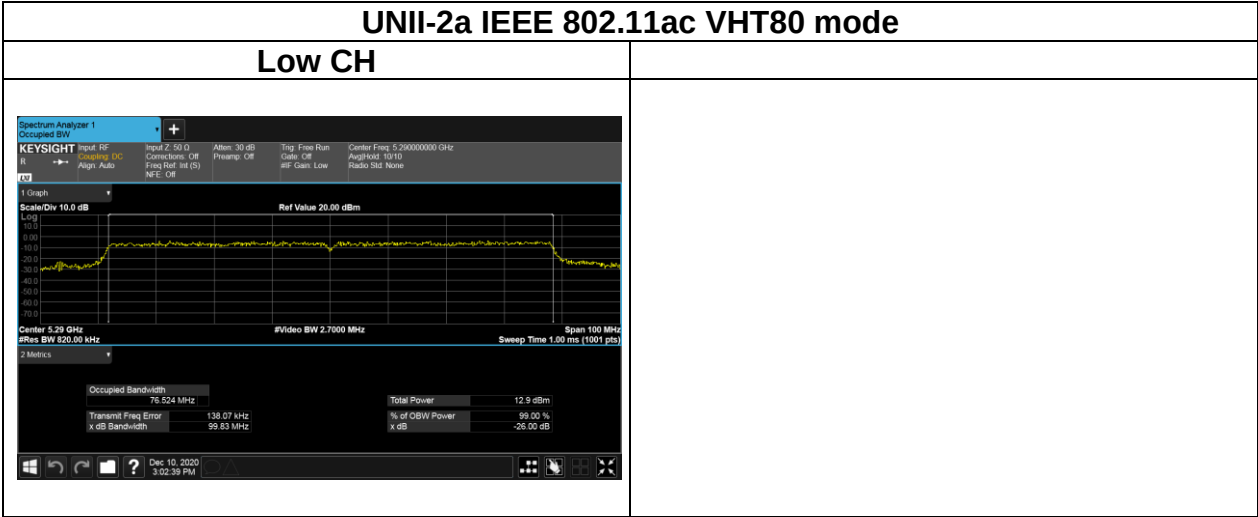
Low CH



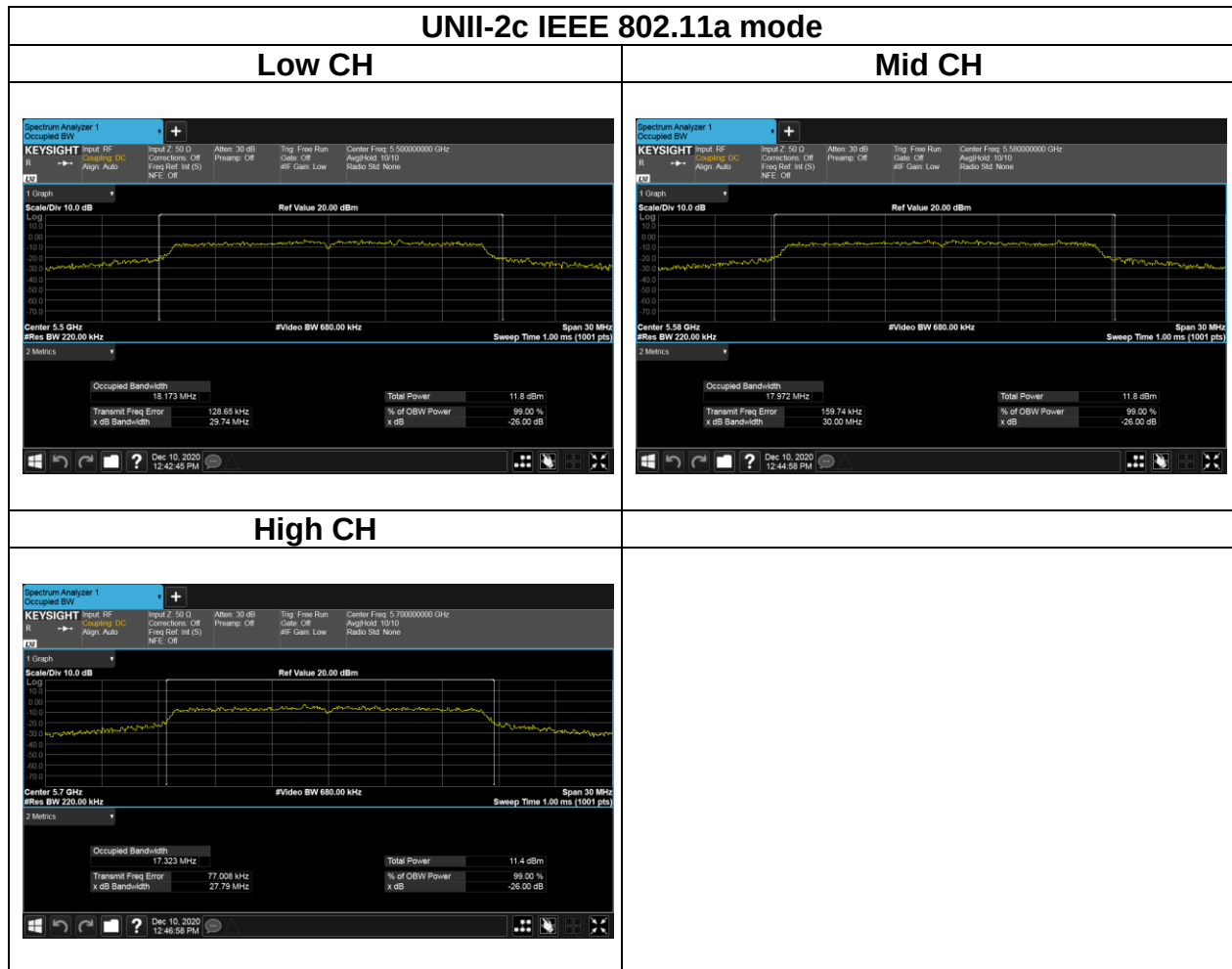
High CH



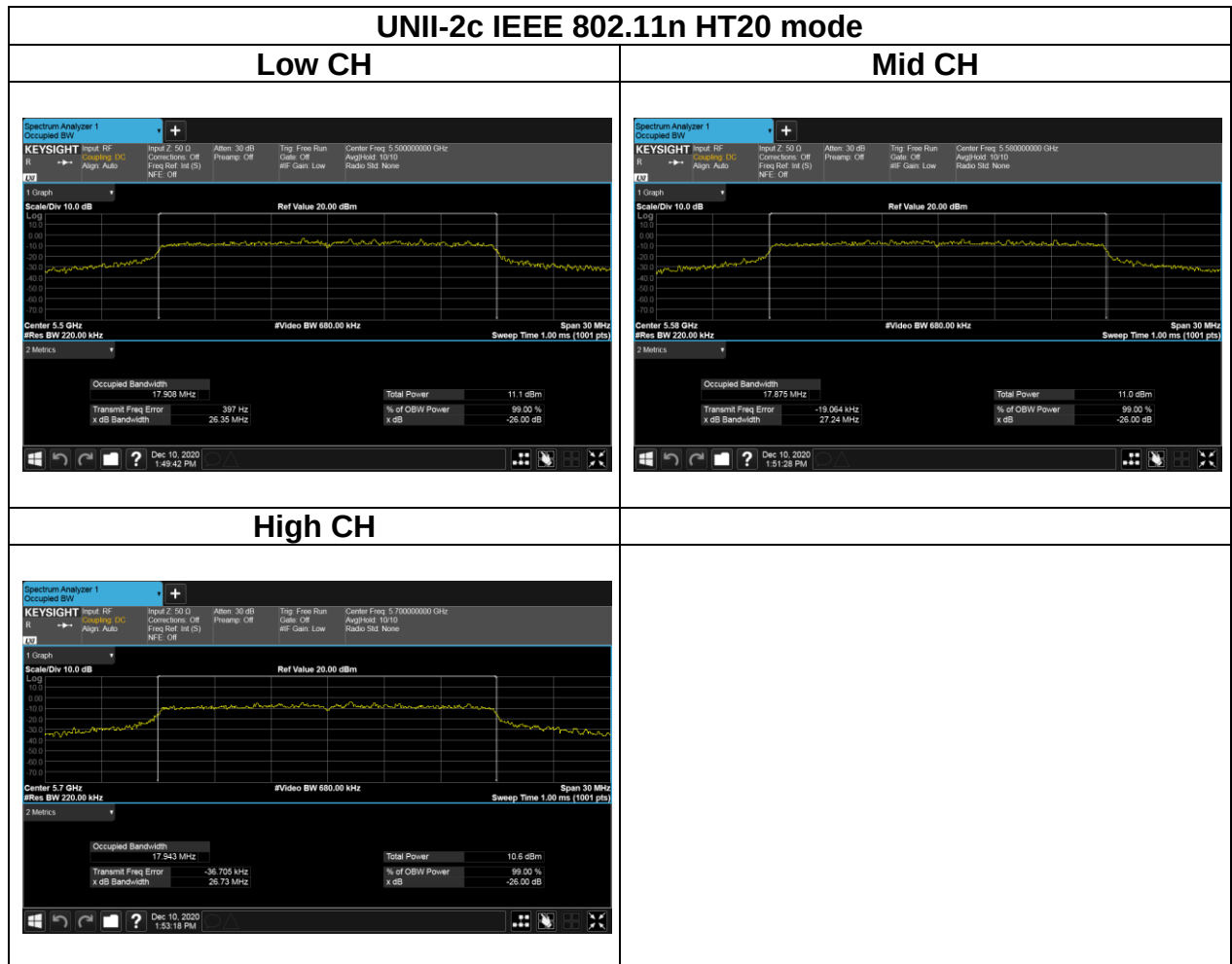
Report No.: T200522D10-RP4



Report No.: T200522D10-RP4

Test Data (26dB BANDWIDTH)

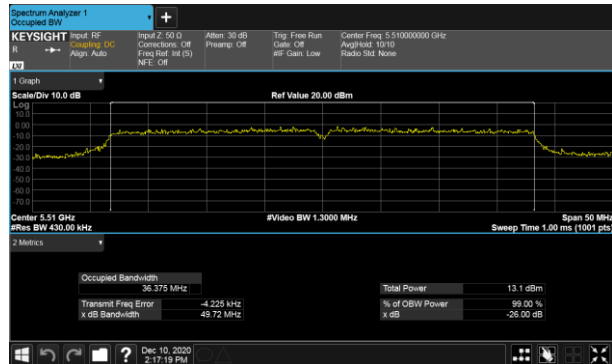
Report No.: T200522D10-RP4



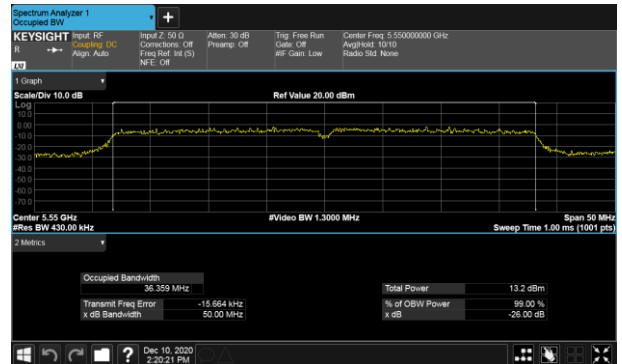
Report No.: T200522D10-RP4

UNII-2c IEEE 802.11n HT40 mode

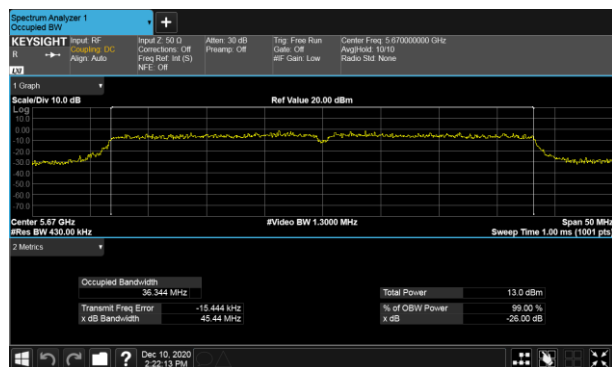
Low CH



Mid CH



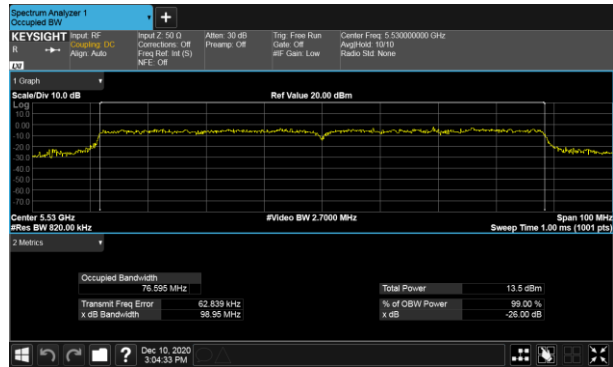
High CH



Report No.: T200522D10-RP4

UNII-2c IEEE 802.11ac VHT80 mode

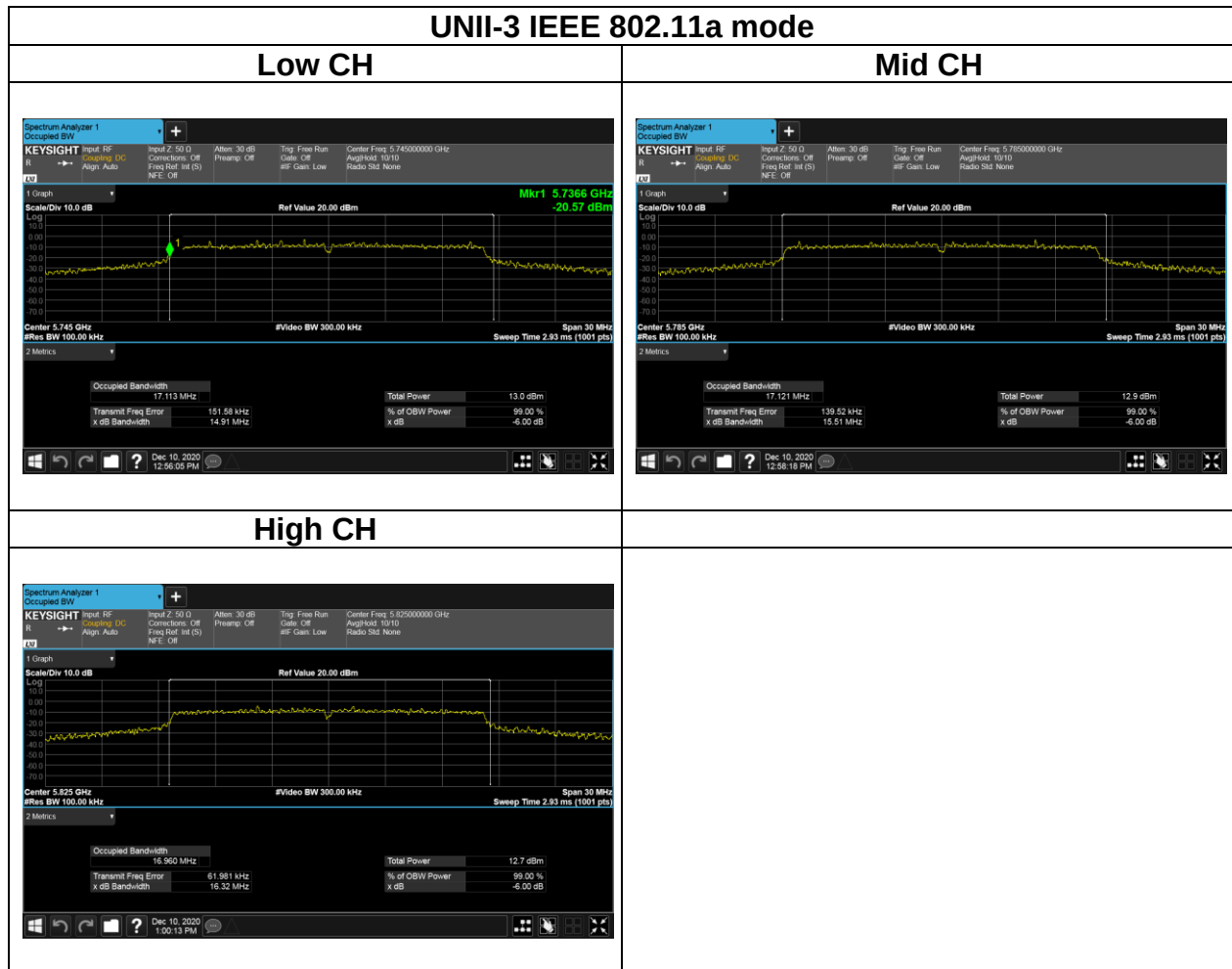
Low CH



High CH



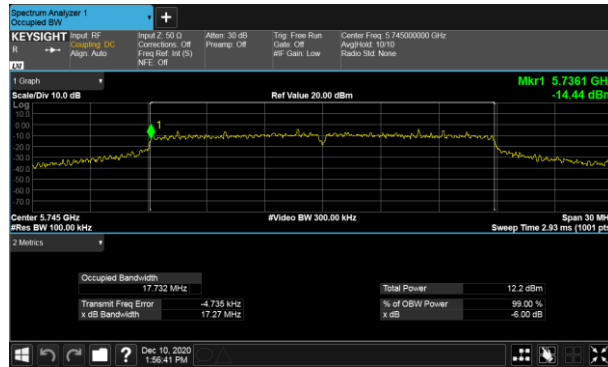
Report No.: T200522D10-RP4

Test Data (6dB BANDWIDTH)

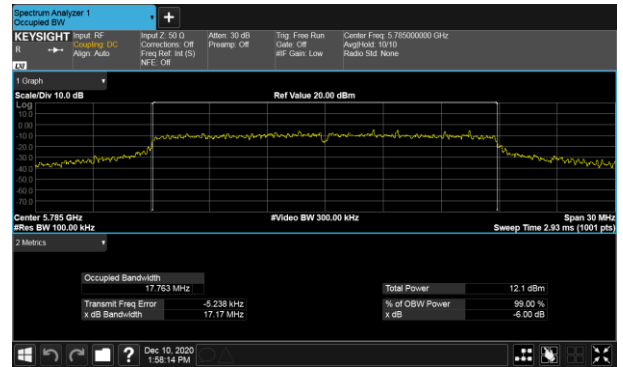
Report No.: T200522D10-RP4

UNII-3 IEEE 802.11n HT20 mode

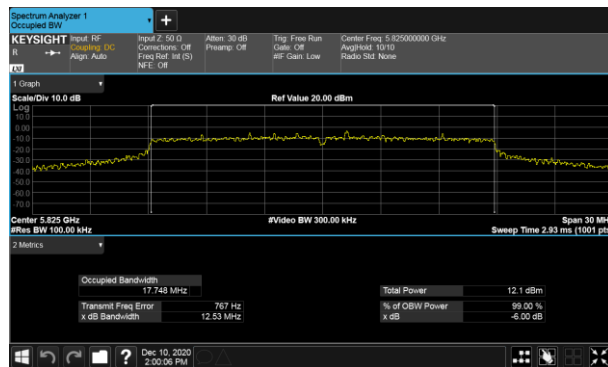
Low CH



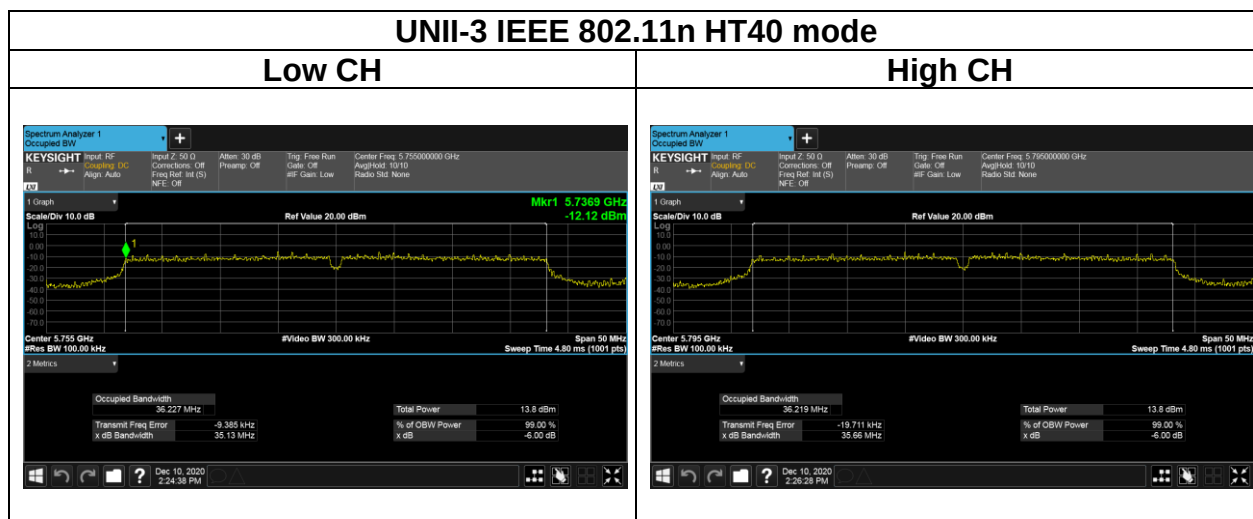
Mid CH



High CH

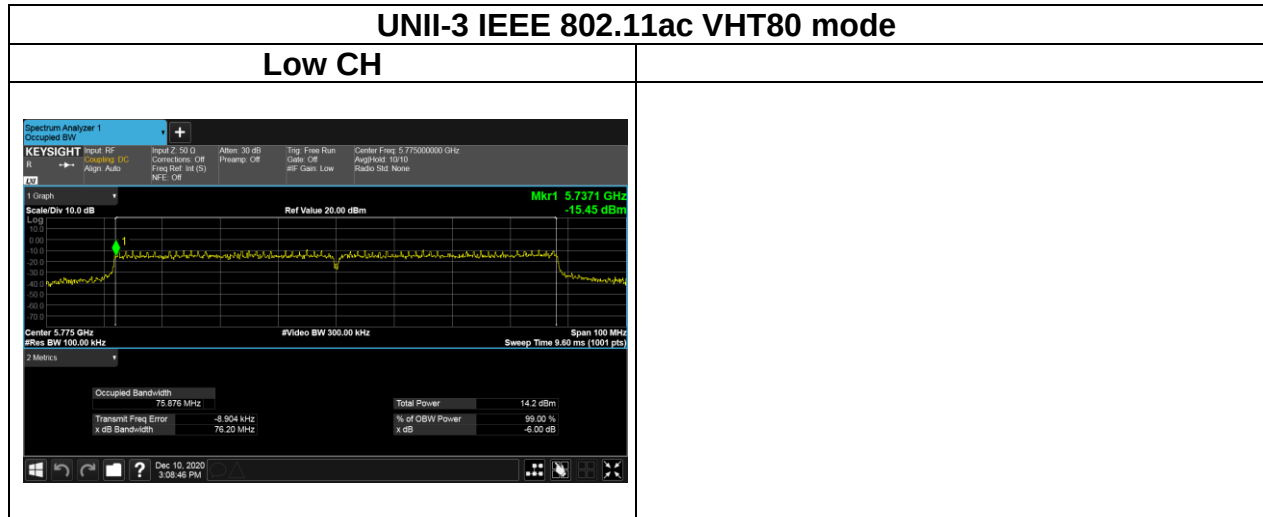


Report No.: T200522D10-RP4





Report No.: T200522D10-RP4



4.3 OUTPUT POWER MEASUREMENT

4.3.1 Test Limit

According to §15.407 (a)(1), 15.407(a)(2) and 15.407(a)(3), and RSS-247 section 6.2.1.1, section 6.2.2.1, section 6.2.3.1 and section 6.2.4.1

FCC:

UNII-1 :

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW(24 dBm), whichever power is less. B is the 99% emission bandwidth in megahertz, provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-2a and 2c:

the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. and The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Report No.: T200522D10-RP4

IC:

UNII-1 :

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

UNII-2a and 2c:

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less. Devices shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

Devices, other than devices installed in vehicles, shall comply with the following:

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band;

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

UNII-2c (5470-5600 MHz and 5650-5725 MHz)

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-1 Limit	☒ Antenna not exceed 6 dBi : 24dBm ☐ Antenna with DG greater than 6 dBi : [Limit = 24 – (DG – 6)]
UNII-2a/2c Limit	☒ Antenna not exceed 6 dBi : 24dBm ☐ Antenna with DG greater than 6 dBi : [Limit = 24 – (DG – 6)]
UNII-3 Limit	☒ Antenna not exceed 6 dBi : 30dBm ☐ Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6)]

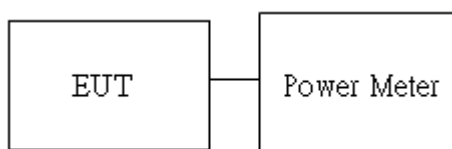
4.3.2 Test Procedure

Test method Refer as KDB 789033 D02, Section E.3.b for BW 20MHz and 40MHz, E.2.b for BW 80MHz.

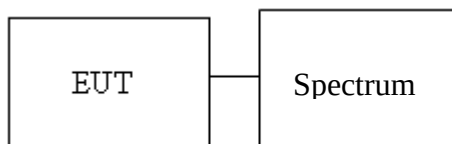
1. The EUT RF output connected to the power meter or spectrum by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Average output power. in the test report.

4.3.3 Test Setup

For BW 20MHz and 40MHz



For BW 80MHz



Report No.: T200522D10-RP4

4.3.4 Test Result

Temperature: 20.1°C

Humidity: 53% RH

Tested by: Rick Lee

Test date: January 06, 2021

Conducted output power :

UNII-1														
Config	CH	Freq. (MHz)	Power Setting		AV Power (dBm)		AV Total Power (dBm)	EIRP AV Total Power (dBm)	AV Total Power (W)	EIRP AV Total Power (W)	DG (dBi)	Limit (dBm)	EIRP Limit (dBm)	
			Chain 0	Chain 1	Chain 0	Chain 1								
IEEE 802.11a Data rate: 6Mbps	36	5180	13.5	-	12.64	-	12.64	15.47	0.0184	0.0352	2.83	23.97	22.30	
	44	5220	13.5	-	12.59	-	12.59	15.42	0.0182	0.0348			22.33	
	48	5240	10	-	11.44	-	11.44	14.27	0.0139	0.0267			22.28	
IEEE 802.11a Data rate: 6Mbps	36	5180	-	13.5	-	12.99	12.99	15.77	0.0199	0.0378	2.78			22.57
	44	5220	-	13.5	-	12.97	12.97	15.75	0.0198	0.0376				22.90
	48	5240	-	10	-	11.83	11.83	14.61	0.0152	0.0289				22.83
IEEE 802.11n HT20 Data rate: MCS8	36	5180	13	13	12.22	12.45	15.35	18.16	0.0343	0.0655	2.81			22.54
	44	5220	13	13	12.27	12.49	15.40	18.21	0.0346	0.0662				22.54
	48	5240	10	10	11.10	11.41	14.27	17.08	0.0267	0.0511				22.53
IEEE 802.11n HT40 Data rate: MCS8	38	5190	13.5	13.5	11.80	11.55	14.69	17.50	0.0295	0.0563				23.00
	46	5230	12.5	12.5	11.93	11.81	14.89	17.70	0.0308	0.0588				23.00
IEEE 802.11ac VHT80 Data rate: MCS0	42	5210	9	9	11.11	11.33	14.24	17.05	0.0265	0.0506			23.00	

Report No.: T200522D10-RP4

UNII-2a																
Config	CH	Freq. (MHz)	Power Setting		AV Power (dBm)		AV Total Power (dBm)	EIRP AV Total Power (dBm)	AV Total Power (W)	EIRP AV Total Power (W)	DG (dBi)	FCC Limit (dBm)	IC Limit (dBm)	EIRP Limit (dBm)		
			Chain 0	Chain 1	Chain 0	Chain 1										
IEEE 802.11a Data rate: 6Mbps	52	5260	13.5	-	12.61	-	12.61	15.44	0.0182	0.0350	2.83	23.97	23.01	29.27		
	56	5280	14	-	12.65	-	12.65	15.48	0.0184	0.0353				29.19		
	64	5320	14	-	12.80	-	12.80	15.63	0.0191	0.0366				29.27		
IEEE 802.11a Data rate: 6Mbps	52	5260	-	13.5	-	12.74	12.74	15.52	0.0188	0.0356	2.78					29.83
	56	5280	-	14	-	12.97	12.97	15.75	0.0198	0.0376						29.18
	64	5320	-	14	-	12.99	12.99	15.77	0.0199	0.0378						29.68
IEEE 802.11n HT20 Data rate: MCS8	52	5260	13.5	13.5	12.19	12.38	15.30	18.11	0.0339	0.0647	2.81					29.54
	56	5280	13.5	13.5	12.17	12.20	15.20	18.01	0.0331	0.0632						29.50
	64	5320	13.5	13.5	12.25	12.35	15.32	18.13	0.0340	0.0649						29.53
IEEE 802.11n HT40 Data rate: MCS8	54	5270	13	13	11.92	11.84	14.89	17.70	0.0309	0.0589						30.00
	62	5310	13	13	11.57	11.93	14.77	17.58	0.0300	0.0573						30.00
IEEE 802.11ac VHT80 Data rate: MCS0	58	5290	10	10	11.63	11.96	14.81	17.62	0.0303	0.0578						

Report No.: T200522D10-RP4

UNII-2c																
Config	CH	Freq. (MHz)	Power Setting		AV Power (dBm)		AV Total Power (dBm)	EIRP AV Total Power (dBm)	AV Total Power (W)	EIRP AV Total Power (W)	DG (dBi)	FCC Limit (dBm)	IC Limit (dBm)	EIRP Limit (dBm)		
			Chain 0	Chain 1	Chain 0	Chain 1										
IEEE 802.11a Data rate: 6Mbps	100	5500	13	-	12.59	-	12.59	15.42	0.0182	0.0348	2.83	23.97	23.01	29.34		
	116	5580	13.5	-	12.74	-	12.74	15.57	0.0188	0.0361				29.26		
	140	5700	14	-	12.75	-	12.75	15.58	0.0188	0.0361				29.24		
IEEE 802.11a Data rate: 6Mbps	100	5500	-	13	-	12.60	12.60	15.38	0.0182	0.0345	2.78					29.53
	116	5580	-	13.5	-	12.71	12.71	15.49	0.0187	0.0354						29.51
	140	5700	-	14	-	12.94	12.94	15.72	0.0197	0.0373						29.40
IEEE 802.11n HT20 Data rate: MCS8	100	5500	14	13.5	12.30	12.45	15.39	18.20	0.0346	0.0661	2.81					29.53
	116	5580	13	13	12.18	12.27	15.24	18.05	0.0334	0.0638						29.51
	140	5700	13.5	13.5	12.29	12.39	15.36	18.17	0.0343	0.0655						29.51
IEEE 802.11n HT40 Data rate: MCS8	102	5510	12	12	11.99	11.91	14.96	17.77	0.0314	0.0599						30.00
	110	5550	12	12	11.83	11.94	14.90	17.71	0.0309	0.0590						30.00
	134	5670	12.5	12.5	11.81	11.86	14.85	17.66	0.0305	0.0583						30.00
IEEE 802.11ac VHT80 Data rate: MCS0	106	5530	9.5	9.5	11.02	11.55	14.31	17.12	0.0270	0.0515						30.00
	122	5610	10	10	10.95	11.93	14.48	17.29	0.0281	0.0536						30.00

Report No.: T200522D10-RP4

UNII-3										
Config	CH	Freq. (MHz)	Power Setting		AV Power (dBm)		AV Total Power (dBm)	AV Total Power (W)	DG (dBi)	Limit (dBm)
			Chain 0	Chain 1	Chain 0	Chain 1				
IEEE 802.11a Data rate: 6Mbps	149	5745	13.5	-	12.61	-	12.61	0.0182	2.83	30
	157	5785	13.5	-	12.70	-	12.70	0.0186		
	165	5825	13.5	-	12.59	-	12.59	0.0182		
IEEE 802.11a Data rate: 6Mbps	149	5745	-	13.5	-	12.85	12.85	0.0193	2.78	
	157	5785	-	13.5	-	12.97	12.97	0.0198		
	165	5825	-	13.5	-	12.86	12.86	0.0193		
IEEE 802.11n HT20 Data rate: MCS8	149	5745	13	13	12.21	12.18	15.21	0.0332	2.81	
	157	5785	13	13	12.17	12.42	15.31	0.0340		
	165	5825	13	13	12.11	12.08	15.11	0.0324		
IEEE 802.11n HT40 Data rate: MCS8	151	5755	12.5	12.5	11.64	11.91	14.79	0.0301		
	159	5795	12.5	12.5	11.67	11.93	14.81	0.0303		
IEEE 802.11ac VHT80 Data rate: MCS0	155	5775	10	10	11.25	11.63	14.46	0.0279		

4.4 POWER SPECTRAL DENSITY

4.4.1 Test Limit

According to §15.407 (a)(1), 15.407(a)(2) and 15.407(a)(3)

According to RSS-247 section 6.2.1.1, section 6.2.2.1, section 6.2.3.1 and section 6.2.4.1

UNII-1:

FCC: The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

IC: The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-2a and 2c:

The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-1 Limit	☒ Antenna not exceed 6 dBi : 11 dBm ☐ Antenna with DG greater than 6 dBi : [Limit = 11 – (DG – 6)]
UNII-2a Limit	☒ Antenna not exceed 6 dBi : 11 dBm ☐ Antenna with DG greater than 6 dBi : [Limit = 11 – (DG – 6)]
UNII-2c Limit	☒ Antenna not exceed 6 dBi : 11 dBm ☐ Antenna with DG greater than 6 dBi : [Limit = 11 – (DG – 6)]
UNII-3 Limit	☒ Antenna not exceed 6 dBi : 30 dBm ☐ Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6)]

Report No.: T200522D10-RP4

Page: 100 / 262

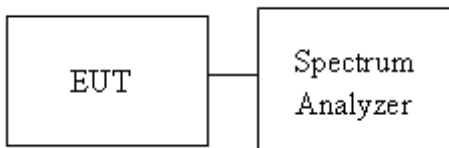
Rev.: 00

4.4.2 Test Procedure

Test method Refer as KDB 789033 D02

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. UNII-1, UNII-2a and UNII-2c, SA set RBW = 1MHz, VBW = 3MHz and Detector = RMS, to measurement Power Density.
4. UNII-3, SA set RBW = 500kHz, VBW = 2MHz and Detector = RMS, to measurement Power Density
5. The path loss and Duty Factor were compensated to the results for each measurement by SA.
6. Mark the maximum level.
7. Measure and record the result of power spectral density. in the test report.

4.4.3 Test Setup



Report No.: T200522D10-RP4

Page: 101 / 262

Rev.: 00

4.4.4 Test Result

Temperature: 25°C

Tested by: Lance Chen

Humidity: 51.2% RH

Test date: May 31, 2021

Temperature: 24.3°C

Tested by: Lance Chen

Humidity: 55.2% RH

Test date: June 17, 2021

Report No.: T200522D10-RP4

UNII-1 5150-5250 MHz								
IEEE 802.11a mode	FCC					IC		
	Power Spectral Density (dBm)					E.I.R.P. Power Spectral Density (dBm)		
Channel	Without Duty		With Duty		Limit	Chain0	Chain1	Limit
	Chain0	Chain1	Chain0	Chain1				
Low	3.829	4.12	3.91	4.20	11	6.74	6.98	10
Middle	3.768	3.737	3.85	3.82	11	6.68	6.60	10
High	1.511	1.918	1.59	2.00	11	4.42	4.78	10

IEEE 802.11n HT20 mode	FCC						IC	
	Power Spectral Density (dBm)						E.I.R.P. Power Spectral Density (dBm)	
Channel	Without Duty		With Duty		Total	Limit	Total	Limit
	Chain0	Chain1	Chain0	Chain1				
Low	3.006	3.449	3.17	3.61	6.41	11	9.22	10
Middle	3.069	3.383	3.23	3.55	6.40	11	9.21	10
High	1.28	1.407	1.44	1.57	4.52	11	7.33	10

IEEE 802.11n HT40 mode	FCC						IC	
	Power Spectral Density (dBm)						E.I.R.P. Power Spectral Density (dBm)	
Channel	Without Duty		With Duty		Total	Limit	Total	Limit
	Chain0	Chain1	Chain0	Chain1				
Low	0.764	1.08	1.07	1.38	4.24	11	7.05	10
High	-0.762	-0.132	-0.46	0.17	2.88	11	5.69	10

IEEE 802.11ac VHT80 mode	FCC						IC	
	Power Spectral Density (dBm)						E.I.R.P. Power Spectral Density (dBm)	
Channel	Without Duty		With Duty		Total	Limit	Total	Limit
	Chain0	Chain1	Chain0	Chain1				
Low	-7.165	-7.363	-5.48	-5.68	-2.57	11	0.24	10

Report No.: T200522D10-RP4

UNII-2a 5250-5350 MHz								
IEEE 802.11a mode	FCC					IC		
	Power Spectral Density (dBm)					Power Spectral Density (dBm)		
Channel	Without Duty		With Duty		Limit	Chain0	Chain1	Limit
	Chain0	Chain1	Chain0	Chain1				
Low	3.277	4.032	3.36	4.11	11	3.36	4.11	11
Middle	3.44	4.09	3.52	4.17	11	3.52	4.17	11
High	3.738	4.3	3.82	4.38	11	3.82	4.38	11

IEEE 802.11n HT20 mode	FCC						IC	
	Power Spectral Density (dBm)						Power Spectral Density (dBm)	
Channel	Without Duty		With Duty		Total	Limit	Total	Limit
	Chain0	Chain1	Chain0	Chain1				
Low	2.766	3.883	2.93	4.05	6.54	11	6.54	11
Middle	2.794	3.57	2.96	3.73	6.37	11	6.37	11
High	2.772	3.332	2.94	3.50	6.24	11	6.24	11

IEEE 802.11n HT40 mode	FCC						IC	
	Power Spectral Density (dBm)						Power Spectral Density (dBm)	
Channel	Without Duty		With Duty		Total	Limit	Total	Limit
	Chain0	Chain1	Chain0	Chain1				
Low	-0.313	0.308	-0.01	0.61	3.32	11	3.32	11
High	-0.581	0.249	-0.28	0.55	3.17	11	3.17	11

IEEE 802.11ac VHT80 mode	FCC						IC	
	Power Spectral Density (dBm)						Power Spectral Density (dBm)	
Channel	Without Duty		With Duty		Total	Limit	Total	Limit
	Chain0	Chain1	Chain0	Chain1				
Low	-6.861	-6.301	-5.18	-4.62	-1.88	11	-1.88	11

UNII-2c 5470-5725 MHz								
IEEE 802.11a mode	FCC					IC		
	Power Spectral Density (dBm)					Power Spectral Density (dBm)		
Channel	Without Duty		With Duty		Limit	Chain0	Chain1	Limit
	Chain0	Chain1	Chain0	Chain1				
Low	2.88	3.545	2.96	3.62	11	2.96	3.62	11
Middle	3.704	2.63	3.78	2.71	11	3.78	2.71	11
High	3.888	3.893	3.97	3.97	11	3.97	3.97	11

IEEE 802.11n HT20 mode	FCC						IC	
	Power Spectral Density (dBm)						Power Spectral Density (dBm)	
Channel	Without Duty		With Duty		Total	Limit	Total	Limit
	Chain0	Chain1	Chain0	Chain1				
Low	4.016	4.175	4.18	4.34	7.27	11	7.27	11
Middle	2.946	2.994	3.11	3.16	6.14	11	6.14	11
High	3.493	3.235	3.66	3.40	6.54	11	6.54	11

IEEE 802.11n HT40 mode	FCC						IC	
	Power Spectral Density (dBm)						Power Spectral Density (dBm)	
Channel	Without Duty		With Duty		Total	Limit	Total	Limit
	Chain0	Chain1	Chain0	Chain1				
Low	-1	-0.56	-0.70	-0.26	2.54	11	2.54	11
Middle	-1.095	-0.248	-0.79	0.06	2.66	11	2.66	11
High	-0.515	-0.722	-0.21	-0.42	2.70	11	2.70	11

IEEE 802.11ac VHT80 mode	FCC						IC	
	Power Spectral Density (dBm)						Power Spectral Density (dBm)	
Channel	Without Duty		With Duty		Total	Limit	Total	Limit
	Chain0	Chain1	Chain0	Chain1				
Low	-7.354	-6.443	-5.67	-4.76	-2.18	11	-2.18	11
High	-7.526	-5.864	-7.22	-5.56	-3.30	11	-0.50	11

Report No.: T200522D10-RP4

UNII-3 5725-5825 MHz												
IEEE 802.11a mode	FCC							IC				
	Power Spectral Density (dBm)							Power Spectral Density (dBm)				
Channel	Without Duty		With Duty		with 10 log (500kHz/RBW) factor		Limit	Chain0	Chain1	with 10 log (500kHz/RBW) factor		Limit
	Chain0	Chain1	Chain0	Chain1	Chain0	Chain1				Chain0	Chain1	
Low	-1.405	-0.899	-1.33	-0.82	0.89	1.40	30	-1.33	-0.82	0.89	1.40	30
Middle	-1.784	-0.921	-1.70	-0.84	0.51	1.38	30	-1.70	-0.84	0.51	1.38	30
High	-1.68	-1.368	-1.60	-1.29	0.62	0.93	30	-1.60	-1.29	0.62	0.93	30

IEEE 802.11n HT20 mode	FCC							IC		
	Power Spectral Density (dBm)							Power Spectral Density (dBm)		
Channel	Without Duty		With Duty		Total	with 10 log (500kHz/RBW) factor	Limit	Total	with 10 log (500kHz/RBW) factor	Limit
	Chain0	Chain1	Chain0	Chain1						
Low	-1.919	-1.324	-1.75	-1.16	1.56	3.78	30	1.56	3.78	30
Middle	-2.432	-1.809	-2.27	-1.64	1.07	3.29	30	1.07	3.29	30
High	-2.205	-1.967	-2.04	-1.80	1.09	3.31	30	1.09	3.31	30

IEEE 802.11n HT40 mode	FCC							IC		
	Power Spectral Density (dBm)							Power Spectral Density (dBm)		
Channel	Without Duty		With Duty		Total	with 10 log (500kHz/RBW) factor	Limit	Total	with 10 log (500kHz/RBW) factor	Limit
	Chain0	Chain1	Chain0	Chain1						
Low	-5.739	-4.929	-5.43	-4.62	-2.00	0.22	30	-2.00	0.22	30
High	-6.095	-5.248	-5.79	-4.94	-2.34	-0.12	30	-2.34	-0.12	30

IEEE 802.11ac VHT80 mode	FCC							IC		
	Power Spectral Density (dBm)							Power Spectral Density (dBm)		
Channel	Without Duty		With Duty		Total	with 10 log (500kHz/RBW) factor	Limit	Total	with 10 log (500kHz/RBW) factor	Limit
	Chain0	Chain1	Chain0	Chain1						
Low	-11.79	-11.737	-10.11	-10.05	-7.07	-4.85	30	-7.07	-4.85	30

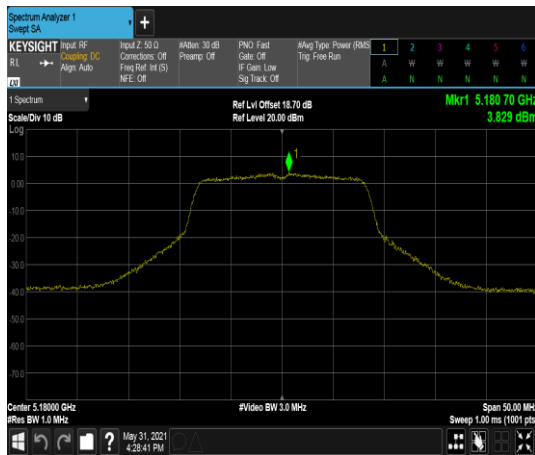
Report No.: T200522D10-RP4

Test Data

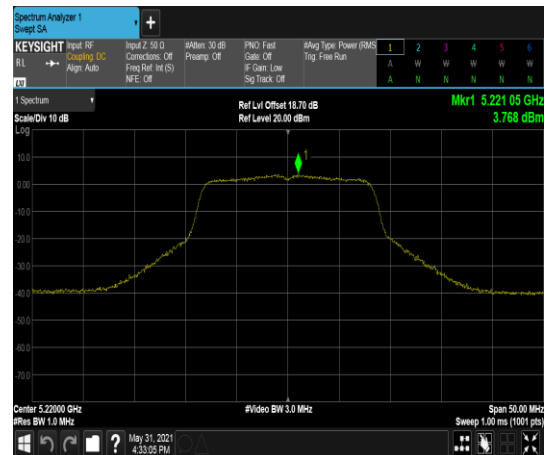
Chain 0

UNII-1 IEEE 802.11a mode- chain 0

Low CH



Mid CH



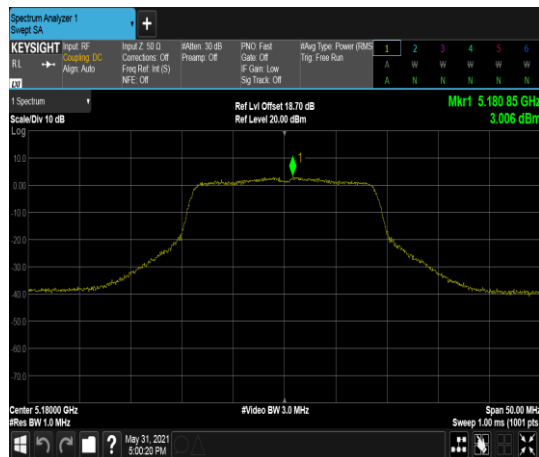
High CH



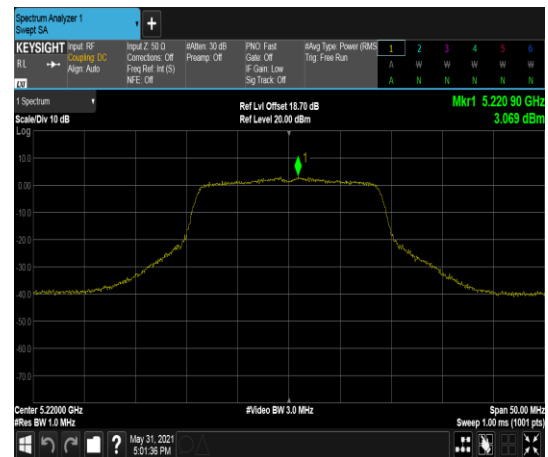
Report No.: T200522D10-RP4

UNII-1 IEEE 802.11n HT20 mode- chain 0

Low CH



Mid CH



High CH



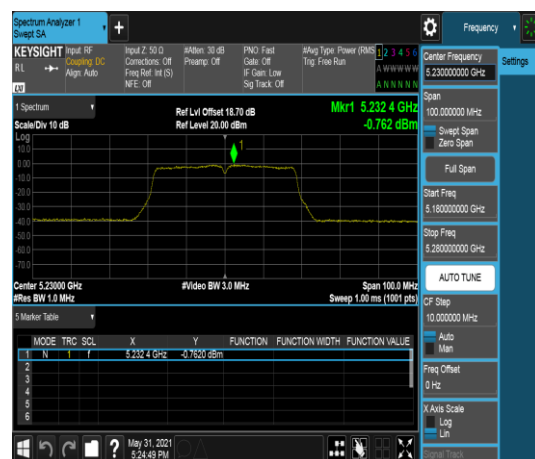
Report No.: T200522D10-RP4

UNII-1 IEEE 802.11n HT40 mode- chain 0

Low CH



High CH



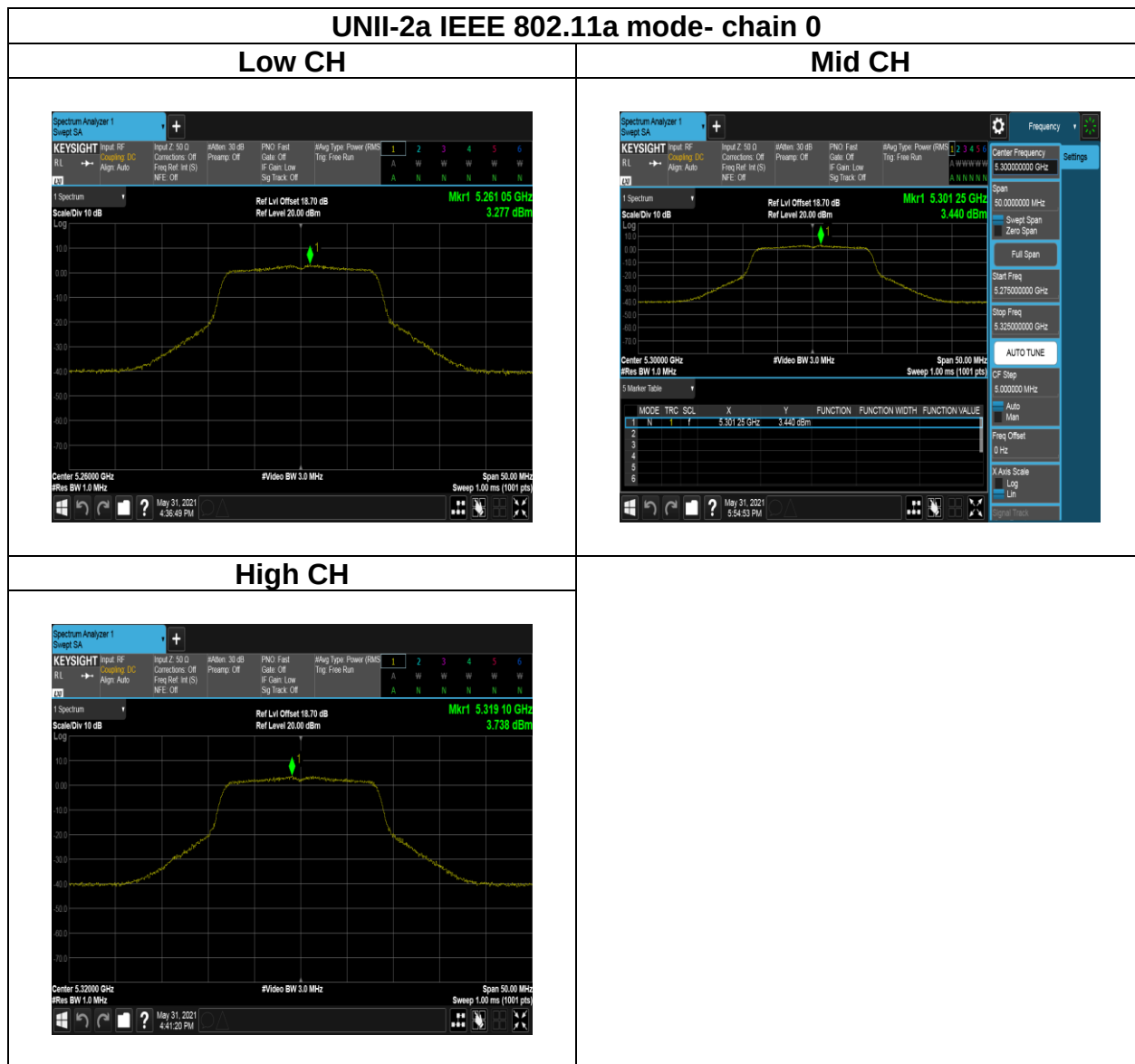
UNII-1 IEEE 802.11ac VHT80 mode- chain 0

Low CH



Report No.: T200522D10-RP4

Test Data



Report No.: T200522D10-RP4

UNII-2a IEEE 802.11n HT20 mode- chain 0

Low CH



Mid CH



High CH



Report No.: T200522D10-RP4

UNII-2a IEEE 802.11n HT40 mode- chain 0

Low CH



High CH



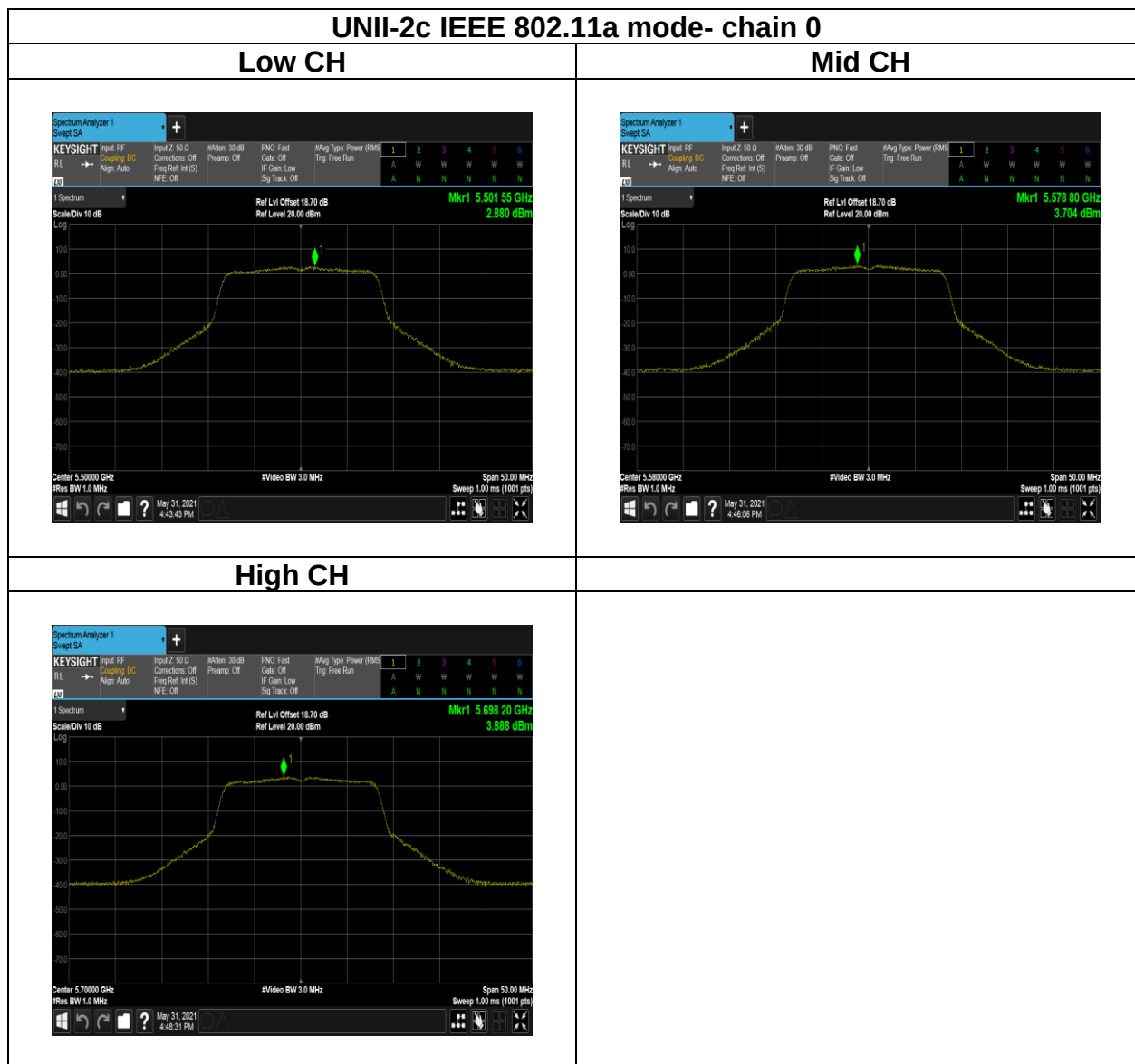
UNII-2a IEEE 802.11ac VHT80 mode- chain 0

Low CH



Report No.: T200522D10-RP4

Test Data



Report No.: T200522D10-RP4

UNII-2c IEEE 802.11n HT20 mode- chain 0

Low CH



Mid CH



High CH



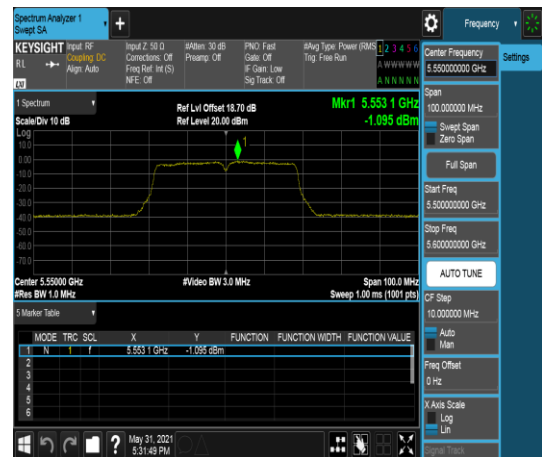
Report No.: T200522D10-RP4

UNII-2c IEEE 802.11n HT40 mode- chain 0

Low CH



Mid CH



High CH

