



99% Bandwidth
Beamforming, ANT D
Modulation Type: 802.11ax HE20(7.3Mbps)
CH100

Modulation Type: 802.11ax HE40(14.6Mbps)
CH102



CH120

CH118



CH140

CH134

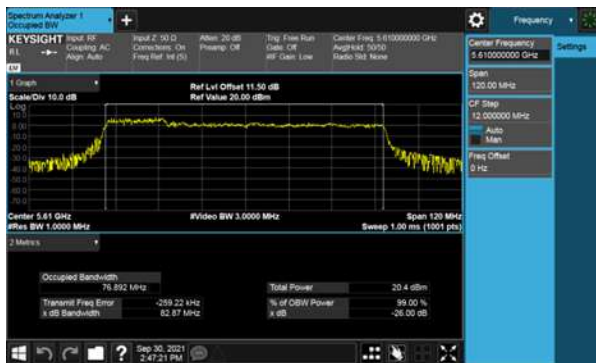




99% Bandwidth
Beamforming, ANT D
Modulation Type: 802.11ax HE80(30.6Mbps)
CH106



CH122





99% Bandwidth
Beamforming, ANT E
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH100

Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH102



CH120

CH118



CH140

CH134





99% Bandwidth
Beamforming, ANT E
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH106



CH122





99% Bandwidth
Beamforming, ANT E
Modulation Type: 802.11ax HE20(7.3Mbps)
CH100

Modulation Type: 802.11ax HE40(14.6Mbps)
CH102



CH120

CH118



CH140

CH134





99% Bandwidth
Beamforming, ANT E
Modulation Type: 802.11ax HE80(30.6Mbps)
CH106

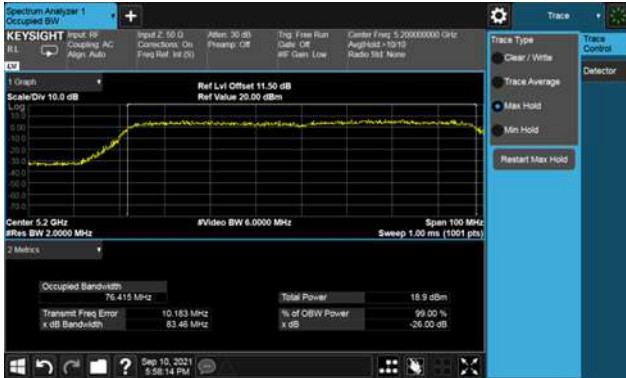


CH122





99% Bandwidth
Beamforming, ANT A
Straddle Channel, Within 5150-5250MHz band
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50



Straddle Channel, Extends across 5250MHz band
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50



Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH114





99% Bandwidth
Beamforming, ANT B
Straddle Channel, Within 5150-5250MHz band
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50



Straddle Channel, Extends across 5250MHz band
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50

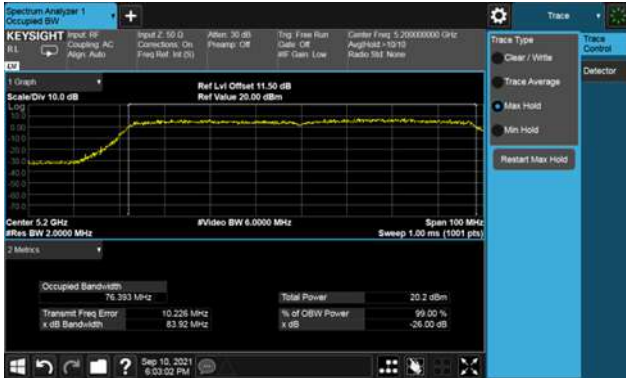


Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH114





99% Bandwidth
Beamforming, ANT C
Straddle Channel, Within 5150-5250MHz band
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50



Straddle Channel, Extends across 5250MHz band
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50



Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH114





99% Bandwidth
Beamforming, ANT D
Straddle Channel, Within 5150-5250MHz band
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50



Straddle Channel, Extends across 5250MHz band
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50



Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH114





99% Bandwidth
Beamforming, ANT E
Straddle Channel, Within 5150-5250MHz band
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50



Straddle Channel, Extends across 5250MHz band
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50



Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH114





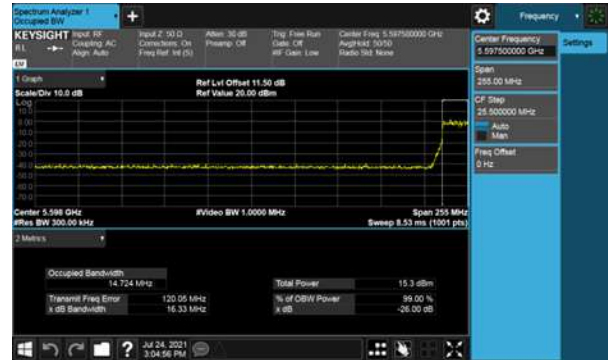
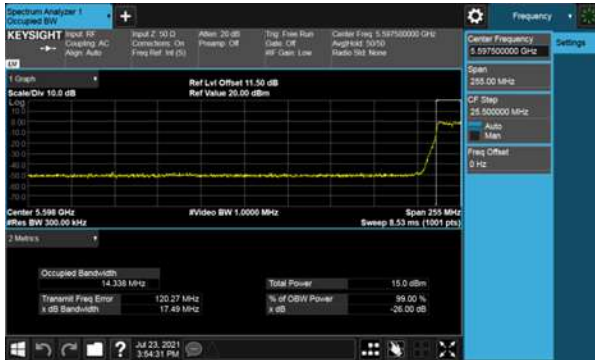
99% Bandwidth

Beamforming, ANT A

Within 5470-5725MHz Band, Straddle Channel

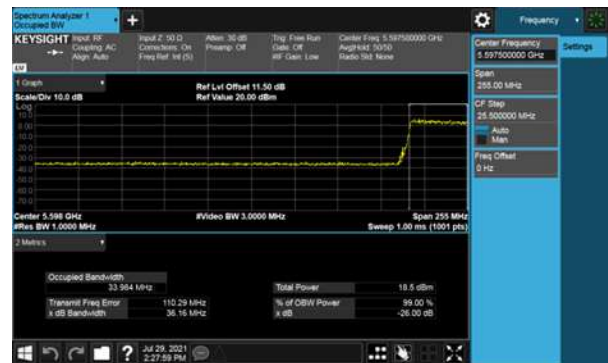
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (29.3Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





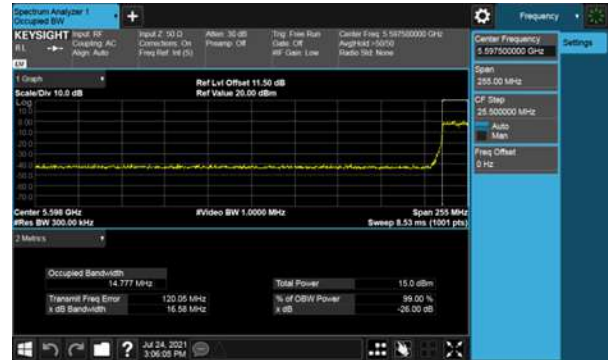
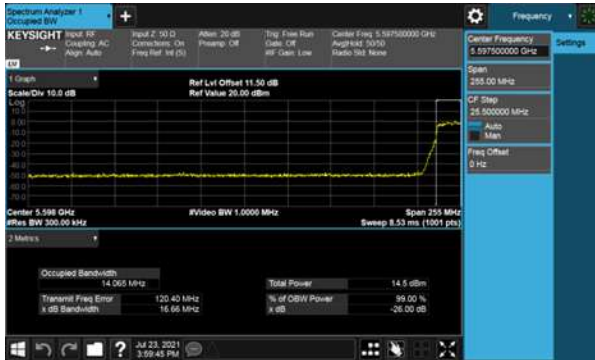
99% Bandwidth

Beamforming, ANT B

Within 5470-5725MHz Band, Straddle Channel

Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



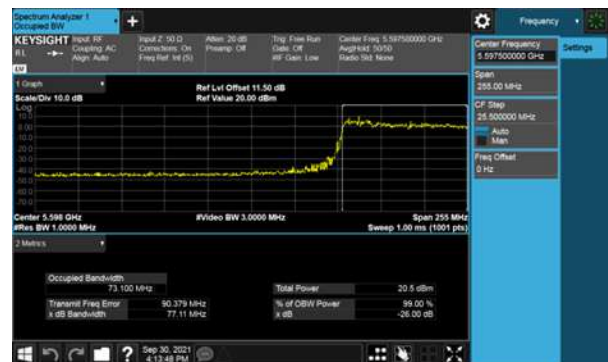
Modulation Type: 802.11ac VHT40 (29.3Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





99% Bandwidth

Beamforming, ANT C

Within 5470-5725MHz Band, Straddle Channel

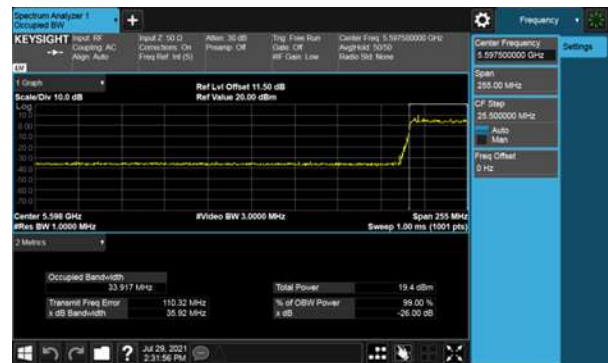
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



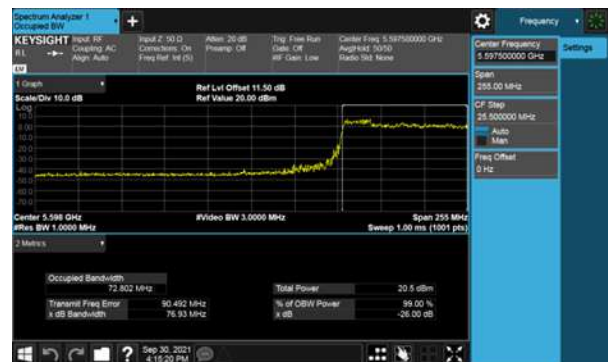
Modulation Type: 802.11ac VHT40 (29.3Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

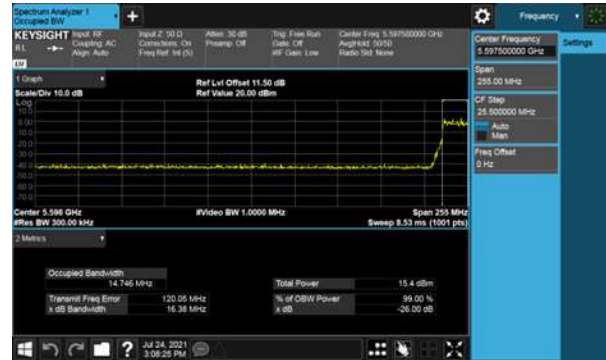
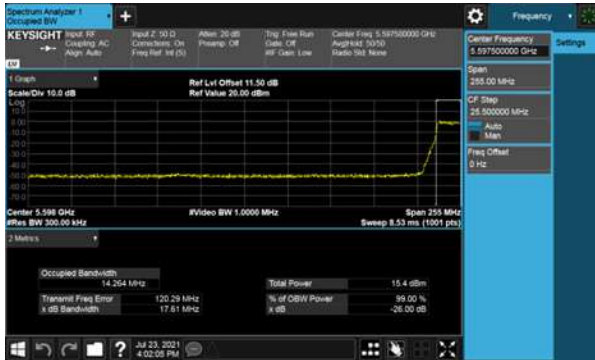
Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





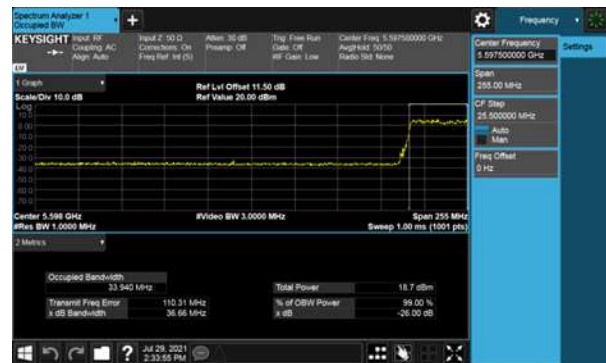
99% Bandwidth
Beamforming, ANT D
Within 5470-5725MHz Band, Straddle Channel
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



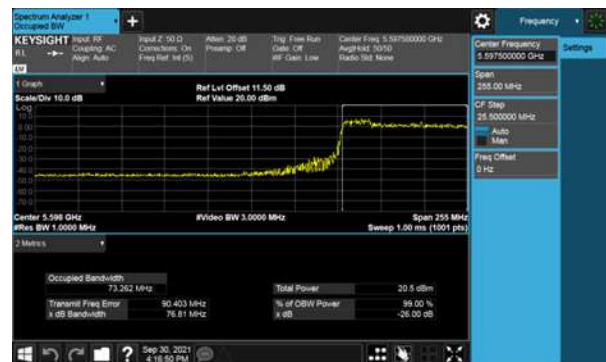
Modulation Type: 802.11ac VHT40 (29.3Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





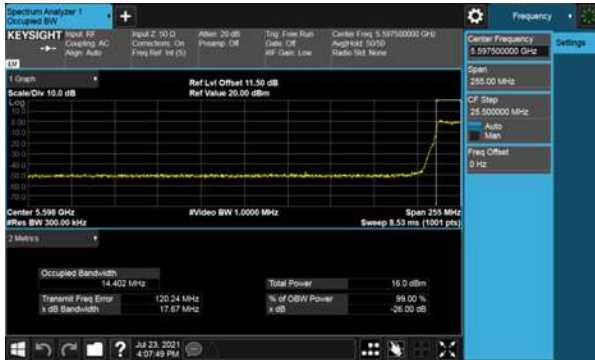
99% Bandwidth

Beamforming, ANT E

Within 5470-5725MHz Band, Straddle Channel

Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



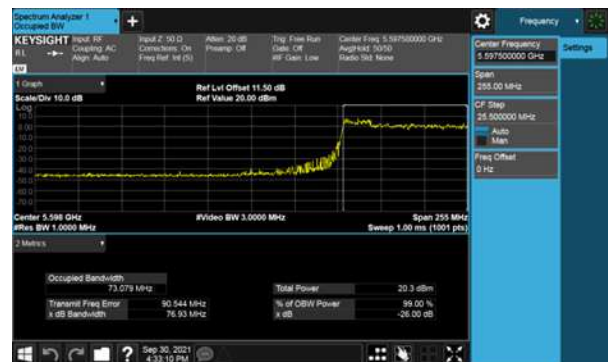
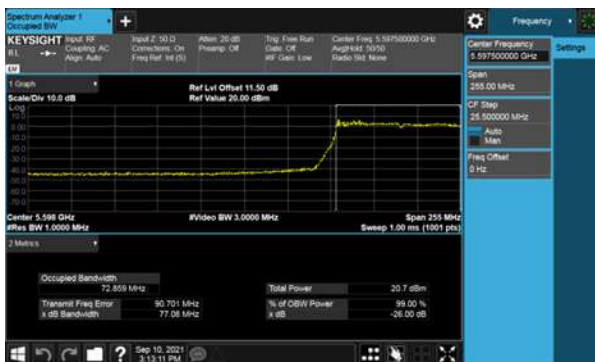
Modulation Type: 802.11ac VHT40 (29.3Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





10. Average Power

10.1. Test Limit

Output Power:

Frequency Band	Limit	
<input checked="" type="checkbox"/> 5.15~5.25GHz		
Operating Mode		
<input type="checkbox"/>	Outdoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. 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. The maximum e.i.r.p. at any elevation angle above 30degrees as measured from the horizon must not exceed 125 mW (21 dBm).
<input checked="" type="checkbox"/>	Indoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. 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.
<input type="checkbox"/>	Fixed point-to-point access points	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.
<input type="checkbox"/>	client devices	The maximum conducted output power over the frequency band of operation shall not exceed 250 mW (24dBm) provided the maximum antenna gain does not exceed 6 dBi. 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.



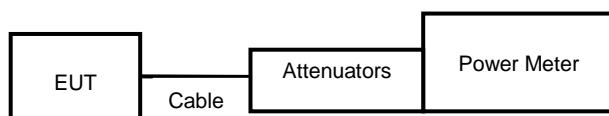
Frequency Band	Limit
<input checked="" type="checkbox"/> 5.25-5.35 GHz	The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional 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.
<input checked="" type="checkbox"/> 5.470-5.725 GHz	
<input checked="" type="checkbox"/> 5.725~5.85 GHz	

10.2. Test Procedure

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 11.5 dB (including 10 dB pad and 1.5 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

10.3. Test Setup Layout





10.4. Test Result and Data

Non-Beamforming

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)					Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B	ANT C	ANT D	ANT E			
11a	6 Mbps	17/17	36	5180	16.74	17.09	16.77	16.38	16.64	23.72	235.491	29.63
11a	6 Mbps	17/16.5	40	5200	16.59	16.80	16.71	16.22	16.55	23.57	227.413	29.63
11a	6 Mbps	17/16.5	48	5240	16.80	16.94	16.82	16.36	16.93	23.76	237.947	29.63
11ac VHT20	NSS1-MCS0	17/17	36	5180	16.67	16.65	16.38	15.91	16.72	23.47	222.124	29.63
11ac VHT20	NSS1-MCS0	17/17	40	5200	16.61	16.69	16.49	16.24	16.86	23.57	227.647	29.63
11ac VHT20	NSS1-MCS0	17/16.5	48	5240	16.84	16.55	16.54	16.13	16.65	23.54	225.832	29.63
11ac VHT40	NSS1-MCS0	17.5/17.5	38	5190	16.54	16.51	16.56	16.30	16.65	23.50	224.039	30.00
11ac VHT40	NSS1-MCS0	20.5/20	46	5230	19.96	19.53	19.66	19.41	19.77	26.66	463.435	30.00
11ac VHT80	NSS1-MCS0	15/15	42	5210	14.31	14.07	14.11	13.84	14.68	21.20	131.854	30.00
11ax HE20	NSS1-MCS0	17.5/17.5	36	5180	17.56	17.55	17.29	17.01	17.21	24.32	270.317	29.63
11ax HE20	NSS1-MCS0	17.5/17	40	5200	17.45	17.40	17.41	16.91	16.95	24.22	264.261	29.63
11ax HE20	NSS1-MCS0	17.5/16.5	48	5240	17.56	17.39	17.23	16.92	16.62	24.15	259.812	29.63
11ax HE40	NSS1-MCS0	17.5/17.5	38	5190	16.68	16.57	16.55	16.09	16.67	23.51	224.234	30.00
11ax HE40	NSS1-MCS0	21/20.5	46	5230	20.36	20.21	20.39	19.95	20.37	27.25	530.741	30.00
11ax HE80	NSS1-MCS0	15/15	42	5210	14.11	13.99	14.08	13.72	14.41	21.06	127.566	30.00



Non-Beamforming

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)					Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B	ANT C	ANT D	ANT E			
11a	6 Mbps	11/10	52	5260	10.98	10.83	10.68	10.31	10.09	17.58	57.282	23.56
11a	6 Mbps	10.5/10.5	60	5300	10.41	10.32	10.34	10.01	10.51	17.31	53.838	23.56
11a	6 Mbps	11/10	64	5320	10.80	10.73	10.69	10.29	10.02	17.51	56.312	23.56
11ac VHT20	NSS1-MCS0	11/10.5	52	5260	10.71	10.60	10.28	10.07	10.58	17.44	55.515	23.56
11ac VHT20	NSS1-MCS0	11/11	60	5300	11.03	10.80	10.62	10.38	10.83	17.73	59.254	23.56
11ac VHT20	NSS1-MCS0	11.5/11	64	5320	11.41	11.25	10.95	10.57	10.94	18.02	63.435	23.56
11ac VHT40	NSS1-MCS0	15/14	54	5270	14.44	14.17	14.09	13.75	13.66	21.02	126.505	24.00
11ac VHT40	NSS1-MCS0	15/14	62	5310	14.12	14.13	13.84	13.73	13.42	20.85	121.498	24.00
11ac VHT80	NSS1-MCS0	17.5/17	58	5290	17.12	16.94	16.92	16.65	16.98	23.91	246.284	24.00
11ax HE20	NSS1-MCS0	11/10.5	52	5260	11.01	10.89	10.66	10.37	10.71	17.72	59.199	23.56
11ax HE20	NSS1-MCS0	11/10.5	60	5300	11.23	11.17	11.07	10.68	10.44	17.92	61.921	23.56
11ax HE20	NSS1-MCS0	10.5/10.5	64	5320	10.53	10.21	10.16	9.77	10.53	17.24	52.951	23.56
11ax HE40	NSS1-MCS0	15/14.5	54	5270	14.17	14.02	13.98	13.76	14.11	21.00	125.891	24.00
11ax HE40	NSS1-MCS0	15/14.5	62	5310	14.25	14.22	13.98	13.78	13.67	20.98	125.194	24.00
11ax HE80	NSS1-MCS0	17.5/17	58	5290	16.94	16.92	17.02	16.55	16.92	23.86	243.375	24.00



Non-Beamforming

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)					Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B	ANT C	ANT D	ANT E			
11a	6 Mbps	11.5/11	100	5500	10.59	10.25	10.80	10.54	10.73	17.58	57.225	23.16
11a	6 Mbps	10.5/11	120	5600	9.95	9.32	9.67	9.76	10.32	16.81	47.932	23.16
11a	6 Mbps	10/9	140	5700	9.94	9.33	10.37	10.48	9.73	16.98	49.888	23.16
11ac VHT20	NSS1-MCS0	12/11.5	100	5500	11.02	10.95	11.14	10.76	11.07	17.98	62.800	23.16
11ac VHT20	NSS1-MCS0	11.5/11.5	120	5600	11.07	10.74	10.67	10.73	10.78	17.79	60.117	23.16
11ac VHT20	NSS1-MCS0	10.5/10.5	140	5700	10.61	10.05	10.88	10.33	10.92	17.56	57.019	23.16
11ac VHT40	NSS1-MCS0	15.5/15.5	102	5510	13.99	13.91	14.08	13.92	14.81	21.15	130.180	24.00
11ac VHT40	NSS1-MCS0	15/15.5	118	5590	13.89	13.93	13.78	13.58	14.32	20.90	122.929	24.00
11ac VHT40	NSS1-MCS0	14/14.5	134	5670	13.68	13.24	13.32	13.01	13.87	20.42	110.276	24.00
11ac VHT80	NSS1-MCS0	15/14.5	106	5530	13.63	13.69	13.64	13.46	13.67	20.61	115.039	24.00
11ac VHT80	NSS1-MCS0	18/18	122	5610	17.31	17.09	16.91	16.81	16.83	23.98	250.254	24.00
11ax HE20	NSS1-MCS0	11.5/11	100	5500	10.82	10.59	10.82	10.67	10.96	17.76	59.753	23.16
11ax HE20	NSS1-MCS0	11/11	120	5600	10.95	10.57	10.51	10.26	10.08	17.47	55.897	23.16
11ax HE20	NSS1-MCS0	10/9.5	140	5700	10.41	9.71	10.55	10.31	10.24	17.24	53.002	23.16
11ax HE40	NSS1-MCS0	16/15	102	5510	14.68	14.26	14.35	14.44	14.12	21.36	136.892	24.00
11ax HE40	NSS1-MCS0	15.5/15	118	5590	14.47	14.46	14.22	14.01	13.56	21.15	130.215	24.00
11ax HE40	NSS1-MCS0	14.5/14	134	5670	14.37	13.59	13.82	13.86	13.39	20.81	120.457	24.00
11ax HE80	NSS1-MCS0	13/13	106	5530	11.75	11.74	11.46	11.57	12.25	18.75	75.029	24.00
11ax HE80	NSS1-MCS0	18/18	122	5610	17.31	17.18	16.95	16.90	16.45	23.96	248.747	24.00



Non-Beamforming

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)					Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B	ANT C	ANT D	ANT E			
11a	6 Mbps	21.5/22	149	5745	21.60	21.05	21.93	21.87	21.54	28.60	724.226	28.75
11a	6 Mbps	22/22.5	157	5785	21.39	21.48	22.07	21.94	21.11	28.60	724.827	28.75
11a	6 Mbps	22/22.5	165	5825	21.14	21.41	21.74	21.87	20.88	28.41	693.930	28.75
11ac VHT20	NSS1-MCS0	21.5/22.5	149	5745	21.67	21.01	21.93	21.71	21.52	28.57	719.188	28.75
11ac VHT20	NSS1-MCS0	22/22.5	157	5785	21.45	21.57	21.94	21.83	20.90	28.54	714.933	28.75
11ac VHT20	NSS1-MCS0	22.5/22.5	165	5825	21.17	21.60	21.63	21.85	20.85	28.42	695.735	28.75
11ac VHT40	NSS1-MCS0	21.5/21	151	5755	21.32	20.82	21.60	21.48	21.24	28.29	674.494	30.00
11ac VHT40	NSS1-MCS0	21.5/20.5	159	5795	21.05	20.79	21.61	21.14	20.78	28.07	641.868	30.00
11ac VHT80	NSS1-MCS0	20/20	155	5775	19.75	19.15	20.01	19.68	20.11	26.74	472.323	30.00
11ax HE20	NSS1-MCS0	21/22.5	149	5745	21.69	21.05	21.84	21.82	21.34	28.55	715.877	28.75
11ax HE20	NSS1-MCS0	22/22.5	157	5785	21.54	21.75	21.88	21.77	20.89	28.57	719.412	28.75
11ax HE20	NSS1-MCS0	22/22.5	165	5825	21.18	21.67	21.55	21.73	20.75	28.38	688.788	28.75
11ax HE40	NSS1-MCS0	21.5/20.5	151	5755	21.36	20.87	21.72	21.48	20.96	28.28	672.890	30.00
11ax HE40	NSS1-MCS0	21.5/20.5	159	5795	21.24	20.76	21.64	21.23	20.74	28.12	649.367	30.00
11ax HE80	NSS1-MCS0	20/19.5	155	5775	19.71	19.15	20.03	20.04	19.63	26.71	469.217	30.00
11ac VHT160	NSS1-MCS0	15/15	114	5570	13.98	13.94	13.88	13.68	13.93	20.87	122.264	24.00



Non-Beamforming

FCC Maximum Conducted Output Power (Within 5150-5250MHz band)
RF Output Power(dBm)

Modulation Type	Data Rate	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)					W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
			ANT A	ANT B	ANT C	ANT D	ANT E					
11ac VHT160	MCS0-NSS1	5250	12.77	12.20	12.74	12.70	12.83	19.64	0.42	101.474	20.06	30.00

FCC Maximum Conducted Output Power (Extends across 5250MHz band)
RF Output Power(dBm)

Modulation Type	Data Rate	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)					W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
			ANT A	ANT B	ANT C	ANT D	ANT E					
11ac VHT160	MCS0-NSS1	5250	12.33	12.38	12.19	11.84	13.16	19.39	0.42	95.760	19.81	24.00

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Power Meter Avg Power Output (dBm)					Total Power (dBm)
					ANT A	ANT B	ANT C	ANT D	ANT E	
Meter power (for full power)										
11ac VHT160	MCS0-NSS1	16/16	50	5250	15.19	14.98	14.99	14.73	15.58	22.09

Note: Power Meter Average power is for reference only.



Non-Beamforming

FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)												
Modulation Type	Data Rate	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)					W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
			ANT A	ANT B	ANT C	ANT D	ANT E					
11a	6M	5720	9.08	8.29	9.00	9.43	9.34	16.04	0.50	45.037	16.54	22.37
11ac VHT20	NSS1-MCS0	5720	9.88	8.90	9.90	9.98	9.96	16.73	0.00	47.125	16.73	22.57
11ac VHT40	NSS1-MCS0	5710	13.37	12.82	13.56	13.71	13.53	20.40	0.00	109.607	20.40	24.00
11ac VHT80	NSS1-MCS0	5690	16.83	16.09	16.42	16.32	16.53	23.43	0.22	231.984	23.65	24.00
11ax HE20	NSS1-MCS0	5720	9.96	9.32	10.07	10.10	10.30	16.95	0.00	49.570	16.95	22.53
11ax HE40	NSS1-MCS0	5710	13.11	12.61	13.29	13.15	14.40	20.34	0.16	112.292	20.50	24.00
11ax HE80	NSS1-MCS0	5690	16.07	15.55	15.79	15.56	16.79	22.97	0.30	212.171	23.27	24.00

FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)												
Modulation Type	Data Rate	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)					W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
			ANT A	ANT B	ANT C	ANT D	ANT E					
11a	6M	5720	3.39	1.98	3.05	3.40	2.98	9.98	0.50	11.167	10.48	28.75
11ac VHT20	NSS1-MCS0	5720	4.44	3.42	4.48	4.50	4.54	11.29	0.00	13.446	11.29	28.75
11ac VHT40	NSS1-MCS0	5710	3.19	2.64	3.46	3.71	3.35	10.27	0.00	10.652	10.27	30.00
11ac VHT80	NSS1-MCS0	5690	2.59	1.58	1.96	2.43	2.08	9.13	0.22	8.614	9.35	30.00
11ax HE20	NSS1-MCS0	5720	4.90	4.11	4.68	5.06	5.19	11.79	0.00	15.114	11.79	28.75
11ax HE40	NSS1-MCS0	5710	3.64	2.99	3.69	3.84	4.78	10.82	0.16	12.522	10.98	30.00
11ax HE80	NSS1-MCS0	5690	2.63	1.83	2.13	2.48	3.10	9.45	0.30	9.431	9.75	30.00

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Power Meter Avg Power Output (dBm)					Total Power (dBm)
					ANT A	ANT B	ANT C	ANT D	ANT E	
Meter power (for full power)										
11a	6 Mbps	10.5/9.5	Ch144	5720MHz	10.47	9.79	10.77	10.7	10.63	17.48
11ac VHT20	MCS0-NSS1	10.5/10	Ch144	5720MHz	10.76	10.18	10.82	10.66	10.67	17.61
11ac VHT40	MCS0-NSS1	14/13.5	Ch142	5710MHz	13.37	13.12	13.88	13.54	13.75	20.53
11ac VHT80	MCS0-NSS1	17/16.5	Ch138	5690MHz	17.02	16.31	16.67	16.58	16.12	23.54
11ax HE20	MCS0-NSS1	10.5/10	Ch144	5720MHz	10.98	10.21	11.01	11.05	10.92	17.83
11ax HE40	MCS0-NSS1	14.5/14	Ch142	5710MHz	14.11	13.56	14.12	14.14	14.34	21.05
11ax HE80	MCS0-NSS1	16.5/17	Ch138	5690MHz	16.62	15.97	16.18	16.21	16.42	23.28

Note: Power Meter Average power is for reference only.



Beamforming

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)					Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B	ANT C	ANT D	ANT E			
11ac VHT20	NSS1-MCS0	14.5/14.5	36	5180	14.66	14.88	14.73	13.69	14.22	21.45	139.532	25.78
11ac VHT20	NSS1-MCS0	15/15	40	5200	15.12	15.27	15.46	14.62	15.11	22.11	162.723	25.78
11ac VHT20	NSS1-MCS0	15/15	48	5240	15.43	15.25	15.59	14.63	15.42	22.27	168.509	25.78
11ac VHT40	NSS1-MCS0	16/16	38	5190	16.23	16.27	16.67	15.92	15.88	23.19	208.602	25.78
11ac VHT40	NSS1-MCS0	18.5/18.5	46	5230	18.55	18.95	18.58	18.32	18.62	25.60	362.947	25.78
11ac VHT80	NSS1-MCS0	18/18	42	5210	17.97	18.06	18.03	17.52	17.92	24.89	308.606	25.78
11ax HE20	NSS1-MCS0	12.5/12.5	36	5180	12.62	12.85	12.76	12.64	12.23	19.61	91.512	25.78
11ax HE20	NSS1-MCS0	15.5/15.5	40	5200	15.67	15.86	15.98	15.18	15.37	22.61	182.469	25.78
11ax HE20	NSS1-MCS0	15/15	48	5240	15.43	15.49	15.63	14.92	15.27	22.34	171.570	25.78
11ax HE40	NSS1-MCS0	16.5/16.5	38	5190	16.72	16.82	17.12	16.34	16.24	23.65	231.722	25.78
11ax HE40	NSS1-MCS0	17.5/17.5	46	5230	17.58	17.97	17.56	17.16	17.63	24.58	286.900	25.78
11ax HE80	NSS1-MCS0	18.5/18.5	42	5210	18.36	18.29	18.58	17.96	18.38	25.31	339.495	25.78



Beamforming

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)					Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B	ANT C	ANT D	ANT E			
11ac VHT20	NSS1-MCS0	10/10	52	5260	10.46	10.26	10.59	9.75	10.31	17.27	53.370	19.77
11ac VHT20	NSS1-MCS0	9.5/9.5	60	5300	10.06	9.86	10.18	9.46	9.23	16.76	47.451	19.77
11ac VHT20	NSS1-MCS0	9/9	64	5320	9.34	8.92	9.51	8.53	8.75	16.02	39.949	19.77
11ac VHT40	NSS1-MCS0	12.5/12.5	54	5270	12.91	12.75	12.73	12.38	12.82	19.71	93.571	19.77
11ac VHT40	NSS1-MCS0	12/12	62	5310	12.24	12.35	12.38	12.07	11.97	19.19	83.073	19.77
11ac VHT80	NSS1-MCS0	12/12	58	5290	12.42	12.43	12.32	11.82	12.12	19.22	83.516	19.77
11ax HE20	NSS1-MCS0	9.5/9.5	52	5260	10.11	9.54	10.03	9.57	9.83	16.81	47.994	19.77
11ax HE20	NSS1-MCS0	8.5/8.5	60	5300	8.62	8.94	9.21	8.47	8.52	15.75	37.592	19.77
11ax HE20	NSS1-MCS0	8/8	64	5320	8.63	8.59	8.61	8.32	8.41	15.50	35.510	19.77
11ax HE40	NSS1-MCS0	11/11	54	5270	11.42	11.23	11.27	10.83	11.32	18.21	66.196	19.77
11ax HE40	NSS1-MCS0	11/11	62	5310	11.23	11.31	11.37	11.02	10.95	18.17	65.596	19.77
11ax HE80	NSS1-MCS0	12.5/12.5	58	5290	12.90	12.93	12.82	12.35	12.68	19.73	93.989	19.77



Beamforming

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)					Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B	ANT C	ANT D	ANT E			
11ac VHT20	NSS1-MCS0	10.5/10.5	100	5500	9.41	8.93	9.48	9.35	9.45	16.32	42.838	19.50
11ac VHT20	NSS1-MCS0	10.5/10.5	120	5600	9.49	9.63	9.45	9.65	9.04	16.45	44.128	19.50
11ac VHT20	NSS1-MCS0	9.5/9.5	140	5700	9.05	9.34	9.82	9.56	9.92	16.54	45.073	19.50
11ac VHT40	NSS1-MCS0	13/13	102	5510	11.65	12.26	11.99	11.93	12.32	19.03	79.917	19.50
11ac VHT40	NSS1-MCS0	13/13	118	5590	11.72	12.52	12.32	12.23	11.77	19.11	81.527	19.50
11ac VHT40	NSS1-MCS0	12.5/12.5	134	5670	12.13	12.43	12.29	12.16	11.71	19.14	82.041	19.50
11ac VHT80	NSS1-MCS0	13.5/13.5	106	5530	12.26	12.53	12.29	12.33	12.43	19.36	86.275	19.50
11ac VHT80	NSS1-MCS0	13.5/13.5	122	5610	12.13	12.63	12.53	12.66	12.17	19.42	87.492	19.50
11ax HE20	NSS1-MCS0	9/9	100	5500	8.12	8.56	8.42	8.53	8.63	15.45	35.038	19.50
11ax HE20	NSS1-MCS0	9.5/9.5	120	5600	9.02	9.08	9.26	9.23	8.85	16.08	40.553	19.50
11ax HE20	NSS1-MCS0	9/9	140	5700	9.12	9.15	9.99	9.84	10.03	16.63	46.073	19.50
11ax HE40	NSS1-MCS0	12.5/12.5	102	5510	11.13	11.71	11.43	11.47	11.84	18.51	71.000	19.50
11ax HE40	NSS1-MCS0	13/13	118	5590	11.76	12.50	12.33	12.25	11.76	19.12	81.665	19.50
11ax HE40	NSS1-MCS0	12/12	134	5670	11.65	11.97	11.75	11.63	11.23	18.64	73.152	19.50
11ax HE80	NSS1-MCS0	13.5/13.5	106	5530	12.26	12.46	12.34	12.52	12.43	19.39	86.949	19.50
11ax HE80	NSS1-MCS0	13.5/13.5	122	5610	12.36	12.63	12.56	12.53	12.10	19.43	87.696	19.50



Beamforming

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)					Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B	ANT C	ANT D	ANT E			
11ac VHT20	NSS1-MCS0	18/18	149	5745	18.50	18.50	18.50	18.50	18.50	25.49	353.973	25.58
11ac VHT20	NSS1-MCS0	18/18	157	5785	17.96	18.43	18.54	17.98	18.46	25.27	336.581	25.58
11ac VHT20	NSS1-MCS0	18/18	165	5825	17.92	18.02	18.43	18.15	18.22	25.14	326.681	25.58
11ac VHT40	NSS1-MCS0	18/18	151	5755	17.63	17.98	18.31	18.01	18.08	25.00	316.023	25.58
11ac VHT40	NSS1-MCS0	18/18	159	5795	17.80	18.01	18.39	18.06	18.22	25.09	322.869	25.58
11ac VHT80	NSS1-MCS0	18/18	155	5775	17.52	17.71	18.02	17.94	17.92	24.82	303.075	25.58
11ax HE20	NSS1-MCS0	17.5/17.5	149	5745	17.74	18.07	18.42	18.32	18.53	25.21	332.258	25.58
11ax HE20	NSS1-MCS0	17.5/17.5	157	5785	17.85	17.92	18.47	18.33	18.42	25.20	330.784	25.58
11ax HE20	NSS1-MCS0	17.5/17.5	165	5825	17.94	18.05	18.34	18.14	18.12	25.11	324.317	25.58
11ax HE40	NSS1-MCS0	18/18	151	5755	17.96	18.12	18.70	18.38	18.47	25.32	340.684	25.58
11ax HE40	NSS1-MCS0	18/18	159	5795	18.09	18.43	18.50	18.37	18.52	25.37	344.702	25.58
11ax HE80	NSS1-MCS0	18/18	155	5775	17.57	17.73	17.92	17.98	17.95	24.82	303.564	25.58
11ac VHT160	NSS1-MCS0	13.5/13.5	114	5570	11.93	12.33	12.47	12.22	11.84	19.15	82.304	19.50



Beamforming

FCC Maximum Conducted Output Power (Within 5150-5250MHz band) RF Output Power(dBm)												
Modulation Type	Data Rate	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)					W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
			ANT A	ANT B	ANT C	ANT D	ANT E					
11ac VHT160	MCS0-NSS1	5250	10.21	10.18	11.71	9.48	9.63	17.31	0.18	56.075	17.49	21.56

FCC Maximum Conducted Output Power (Extends across 5250MHz band) RF Output Power(dBm)												
Modulation Type	Data Rate	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)					W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
			ANT A	ANT B	ANT C	ANT D	ANT E					
11ac VHT160	MCS0-NSS1	5250	6.20	5.30	5.21	5.56	8.00	13.18	0.18	21.663	13.36	19.77

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Power Meter Avg Power Output (dBm)					Total Power (dBm)
					ANT A	ANT B	ANT C	ANT D	ANT E	
Meter power (for full power)										
11ac VHT160	MCS0-NSS1	14/14	50	5250	13.63	13.71	13.69	13.29	13.31	20.52

Note: Power Meter Average power is for reference only.



Beamforming

FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)												
Modulation Type	Data Rate	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)					W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
			ANT A	ANT B	ANT C	ANT D	ANT E					
11ac VHT20	NSS1-MCS0	5720	8.65	8.23	9.11	8.63	9.88	15.93	0.28	41.757	16.21	18.89
11ac VHT40	NSS1-MCS0	5710	10.13	10.45	10.65	10.04	11.82	17.66	0.31	62.622	17.97	19.50
11ac VHT80	NSS1-MCS0	5690	11.28	11.21	11.70	11.48	11.79	18.49	0.15	73.074	18.64	19.50
11ax HE20	NSS1-MCS0	5720	1.18	1.09	1.90	3.22	3.36	9.25	7.10	43.147	16.35	18.63
11ax HE40	NSS1-MCS0	5710	2.32	2.14	2.85	2.61	2.73	9.53	9.61	81.990	19.14	19.50
11ax HE80	NSS1-MCS0	5690	1.88	2.02	1.92	1.73	2.24	8.95	10.48	87.720	19.43	19.50

FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)												
Modulation Type	Data Rate	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)					W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
			ANT A	ANT B	ANT C	ANT D	ANT E					
11ac VHT20	NSS1-MCS0	5720	4.00	2.96	2.82	4.21	4.05	10.64	0.28	12.352	10.92	25.58
11ac VHT40	NSS1-MCS0	5710	-0.58	-1.01	0.27	2.46	1.77	7.78	0.31	6.440	8.09	25.58
11ac VHT80	NSS1-MCS0	5690	-3.98	-3.06	-3.13	-0.45	-2.70	4.50	0.15	2.918	4.65	25.58
11ax HE20	NSS1-MCS0	5720	-4.76	-3.90	-3.78	-3.12	-1.14	3.83	7.10	12.396	10.93	25.58
11ax HE40	NSS1-MCS0	5710	-7.50	-7.25	-6.56	-7.23	-6.54	-0.01	9.61	9.123	9.60	25.58
11ax HE80	NSS1-MCS0	5690	-10.80	-11.39	-11.48	-11.28	-12.34	-4.44	10.48	4.018	6.04	25.58

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Power Meter Avg Power Output (dBm)					Total Power (dBm)
					ANT A	ANT B	ANT C	ANT D	ANT E	
Meter power (for full power)										
11ac VHT20	MCS0-NSS1	9.5/9.5	Ch144	5720MHz	9.22	9.56	9.75	9.41	10.12	16.61
11ac VHT40	MCS0-NSS1	12/12	Ch142	5710MHz	10.65	11.15	11.81	11.73	11.87	18.46
11ac VHT80	MCS0-NSS1	12/12	Ch138	5690MHz	11.23	11.61	11.48	12	11.32	18.53
11ax HE20	MCS0-NSS1	9/9	Ch144	5720MHz	9.14	9.32	9.92	9.72	10.43	16.72
11ax HE40	MCS0-NSS1	11/11	Ch142	5710MHz	10.7	10.95	11.41	11.37	11.46	18.18
11ax HE80	MCS0-NSS1	13.5/13.5	Ch138	5690MHz	12.65	12.79	12.91	12.98	12.54	19.77

Note: Power Meter Average power is for reference only.



Straddle Channel, Within 5150-5250MHz band
Non-Beamforming , ANT A
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50





Straddle Channel, Within 5150-5250MHz band
Non-Beamforming , ANT B
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50





Straddle Channel, Within 5150-5250MHz band
Non-Beamforming , ANT C
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50





Straddle Channel, Within 5150-5250MHz band
Non-Beamforming , ANT D
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50





Straddle Channel, Within 5150-5250MHz band
Non-Beamforming , ANT E
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50



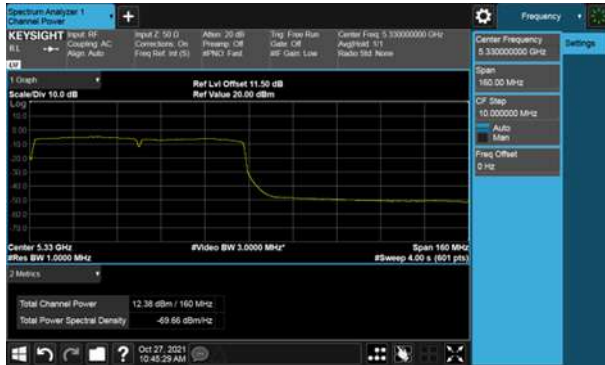


Straddle Channel, Extends across 5250MHz band
Non-Beamforming , ANT A
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50



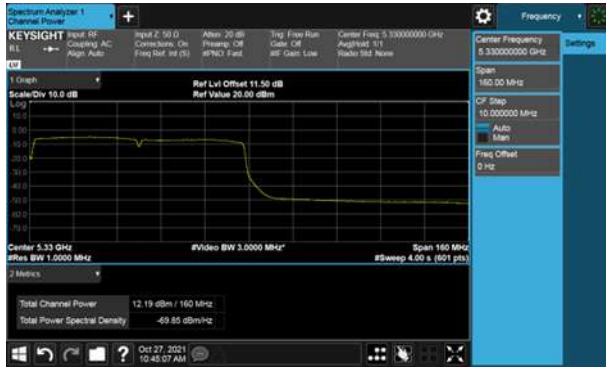


Straddle Channel, Extends across 5250MHz band
Non-Beamforming , ANT B
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50



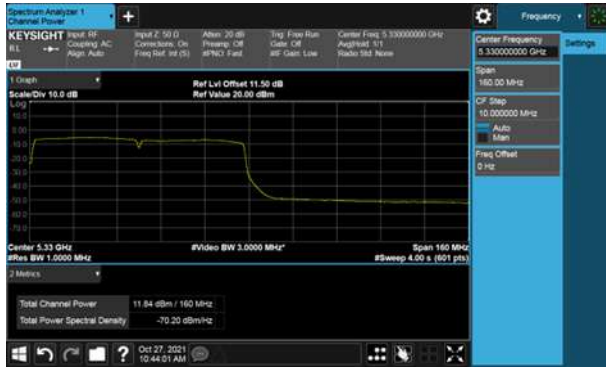


Straddle Channel, Extends across 5250MHz band
Non-Beamforming , ANT C
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50



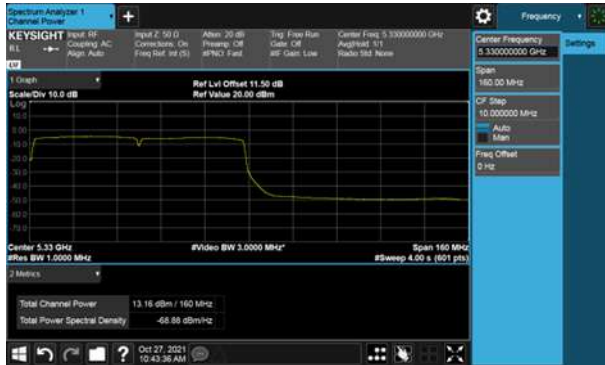


Straddle Channel, Extends across 5250MHz band
Non-Beamforming , ANT D
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50





Straddle Channel, Extends across 5250MHz band
Non-Beamforming , ANT E
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50

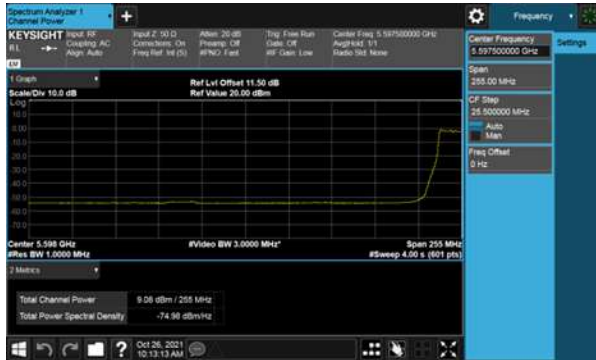




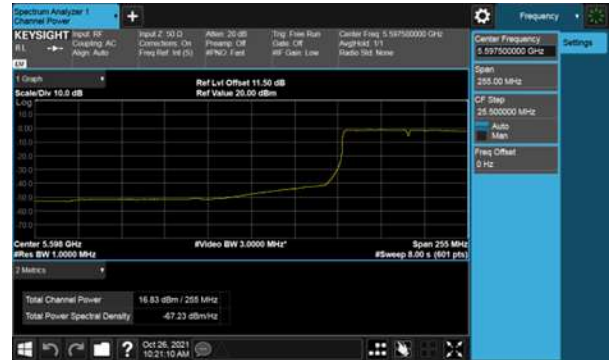
Within 5470-5725MHz Band, Straddle Channel

Non-Beamforming , ANT A

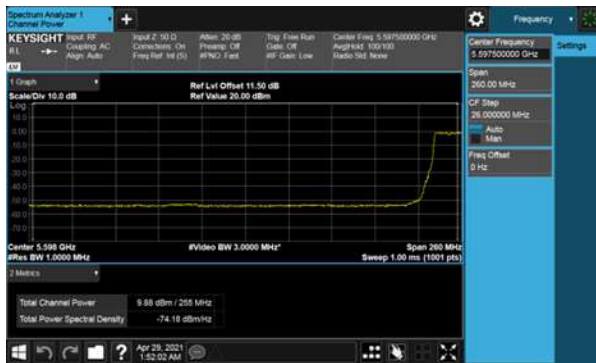
Modulation Type: 802.11a (6Mbps)
CH144



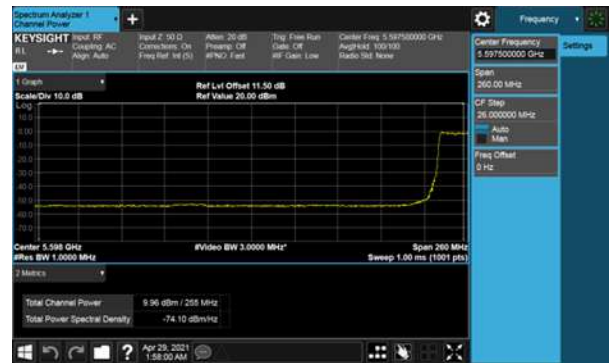
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138



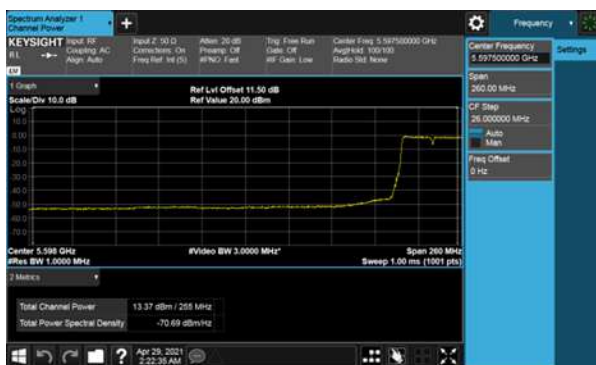
802.11ac VHT20 (6.5Mbps)
CH144



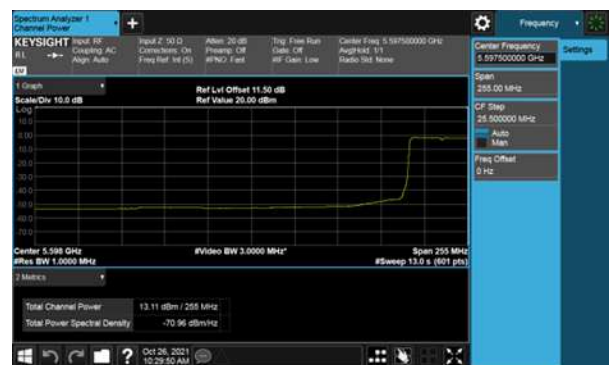
Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142



Modulation Type: 802.11ax HE40(14.6Mbps)
CH142

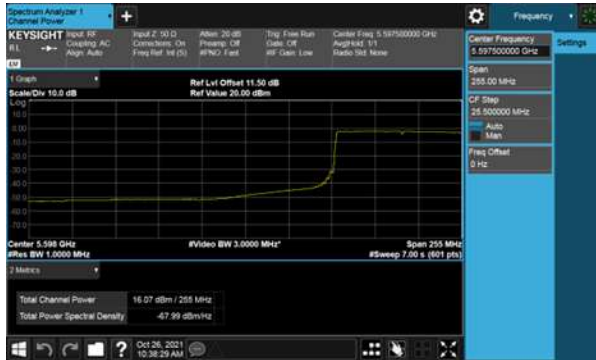




Within 5470-5725MHz Band, Straddle Channel

Non-Beamforming , ANT A

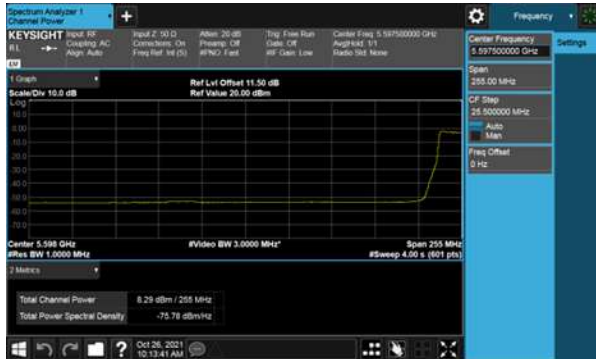
Modulation Type: 802.11ax HE80(30.6Mbps)
CH138



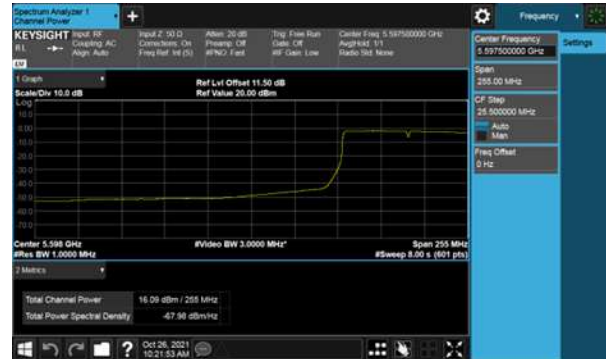


Within 5470-5725MHz Band, Straddle Channel
Non-Beamforming , ANT B

Modulation Type: 802.11a (6Mbps)
CH144



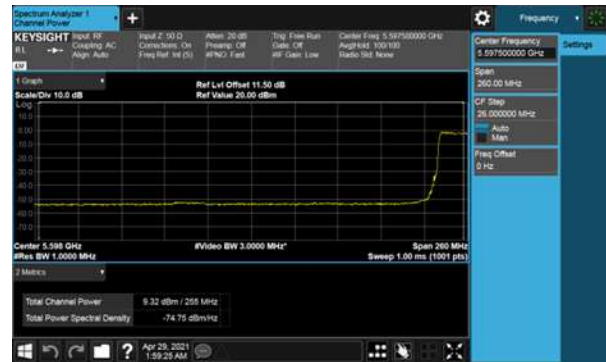
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138



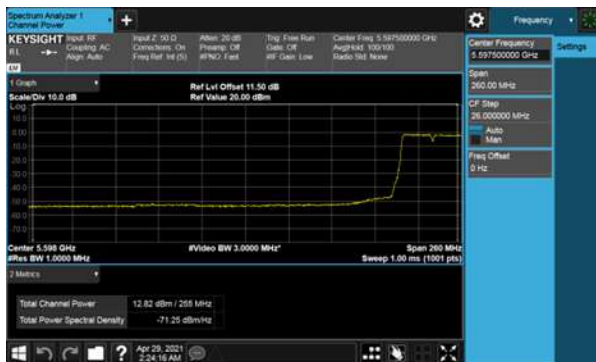
802.11ac VHT20 (6.5Mbps)
CH144



Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142



Modulation Type: 802.11ax HE40(14.6Mbps)
CH142

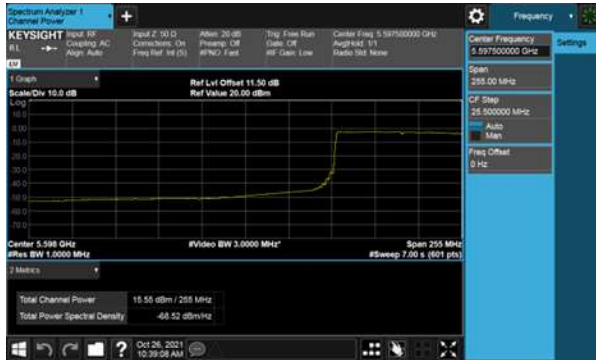




Within 5470-5725MHz Band, Straddle Channel

Non-Beamforming , ANT B

Modulation Type: 802.11ax HE80(30.6Mbps)
CH138

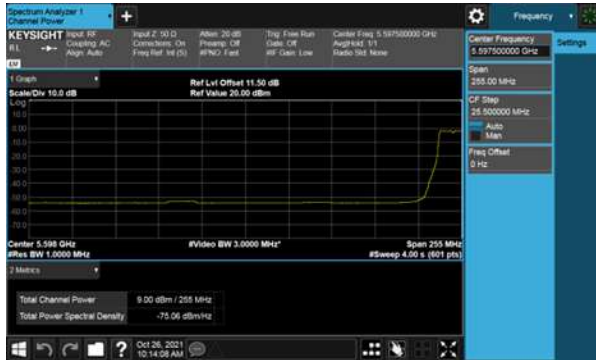




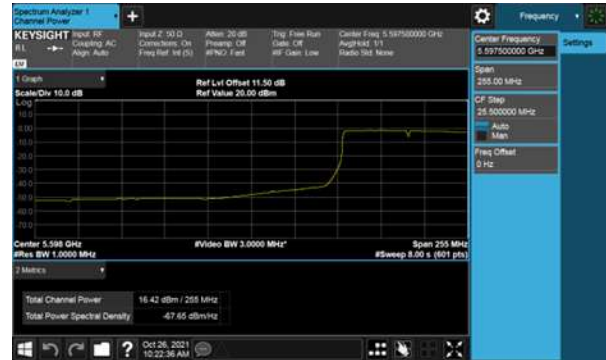
Within 5470-5725MHz Band, Straddle Channel

Non-Beamforming , ANT C

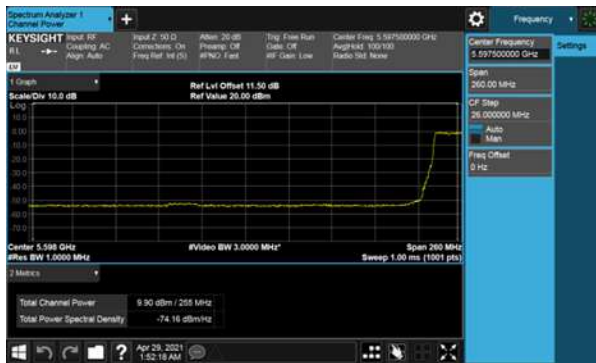
Modulation Type: 802.11a (6Mbps)
CH144



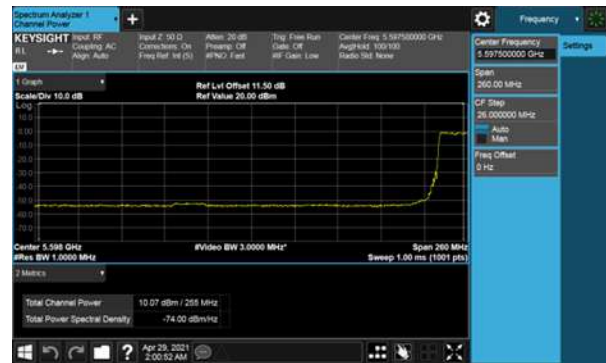
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138



802.11ac VHT20 (6.5Mbps)
CH144



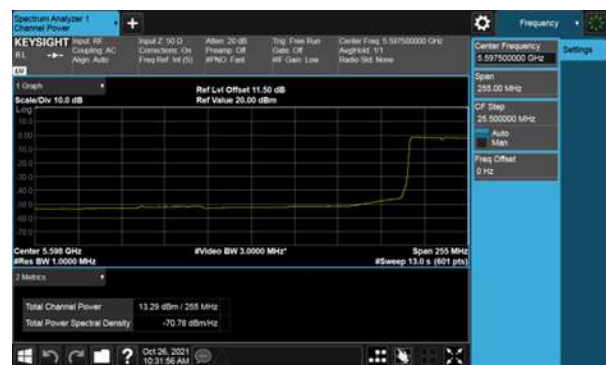
Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142



Modulation Type: 802.11ax HE40(14.6Mbps)
CH142

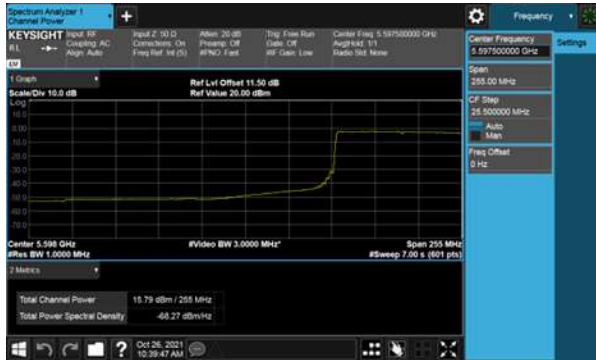




Within 5470-5725MHz Band, Straddle Channel

Non-Beamforming , ANT C

Modulation Type: 802.11ax HE80(30.6Mbps)
CH138

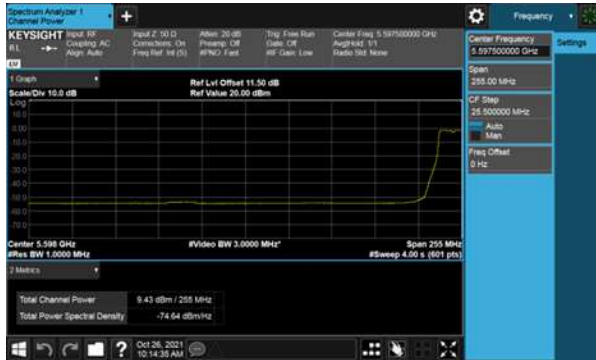




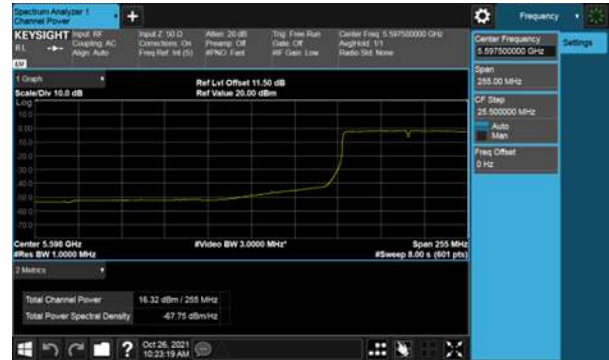
Within 5470-5725MHz Band, Straddle Channel

Non-Beamforming , ANT D

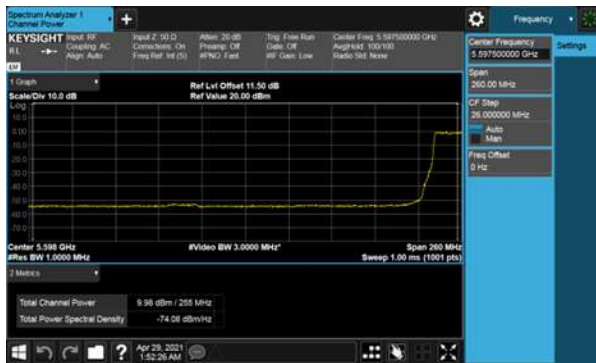
Modulation Type: 802.11a (6Mbps)
CH144



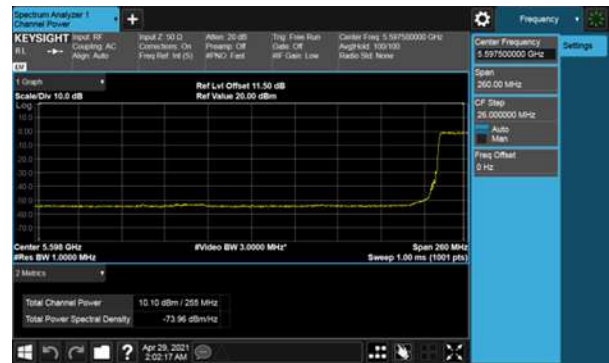
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138



802.11ac VHT20 (6.5Mbps)
CH144



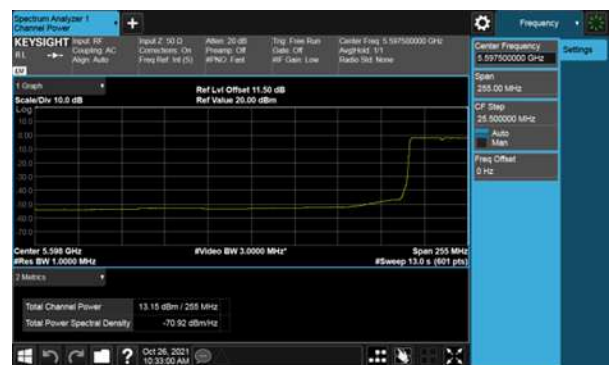
Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142



Modulation Type: 802.11ax HE40(14.6Mbps)
CH142

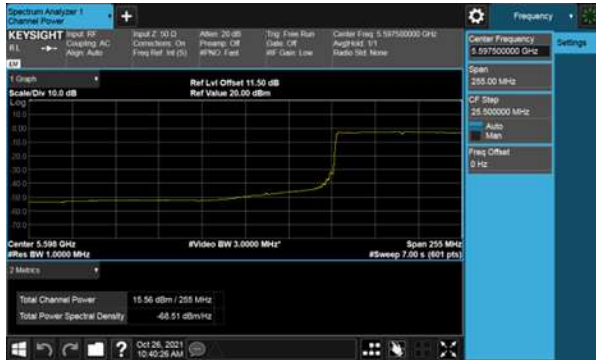




Within 5470-5725MHz Band, Straddle Channel

Non-Beamforming , ANT D

Modulation Type: 802.11ax HE80(30.6Mbps)
CH138



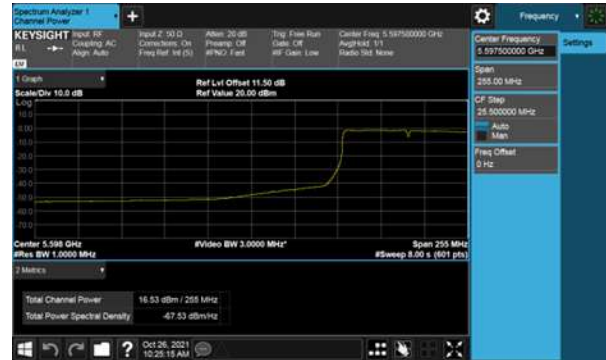
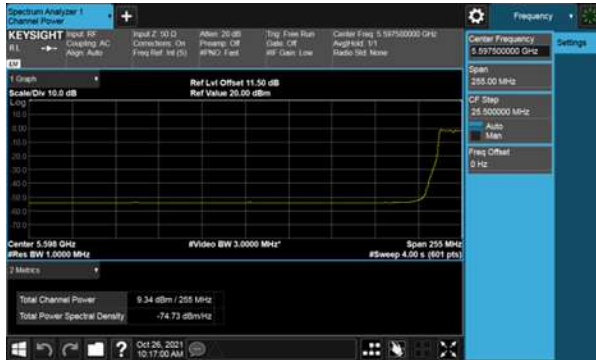


Within 5470-5725MHz Band, Straddle Channel

Non-Beamforming , ANT E

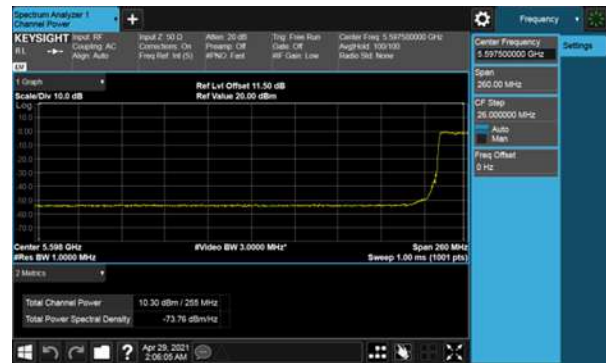
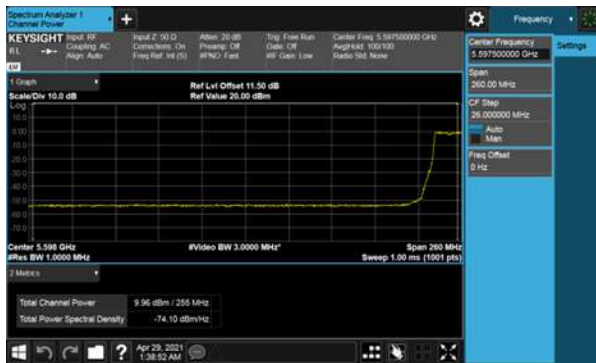
Modulation Type: 802.11a (6Mbps)
CH144

Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138



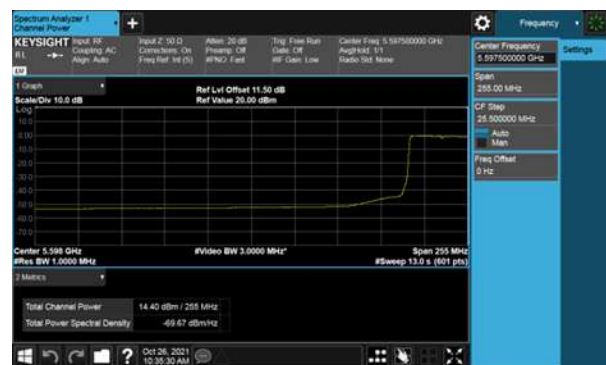
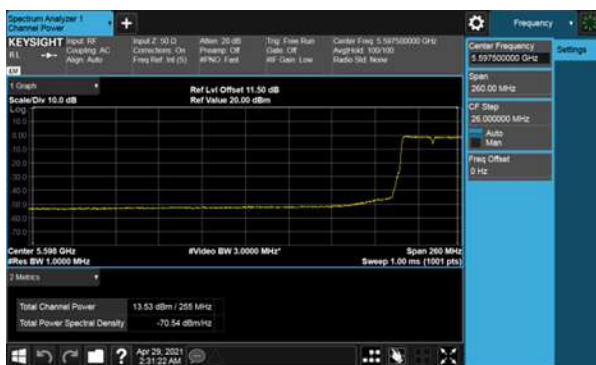
802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142

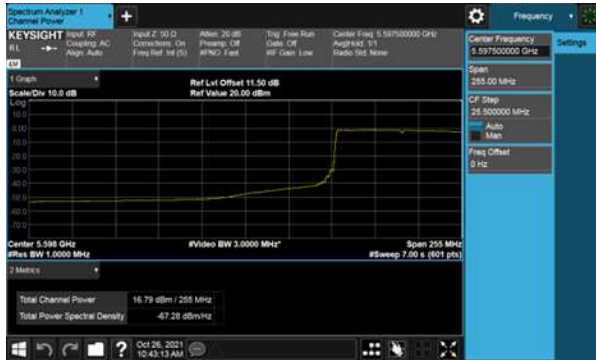




Within 5470-5725MHz Band, Straddle Channel

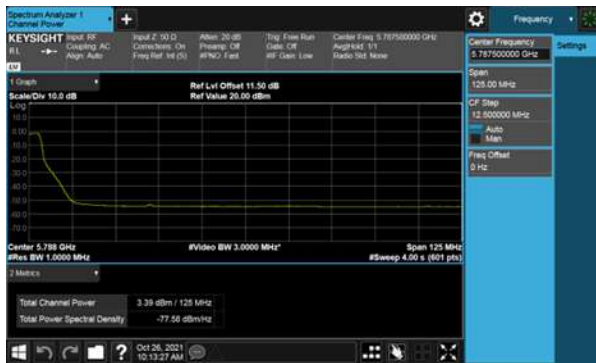
Non-Beamforming , ANT E

Modulation Type: 802.11ax HE80(30.6Mbps)
CH138

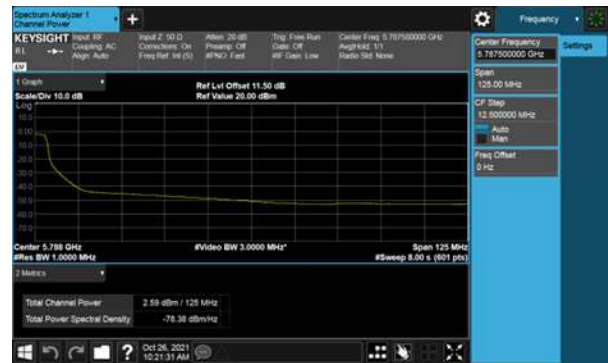




Extends across 5725MHz band, Straddle Channel
Non-Beamforming , ANT A
Modulation Type: 802.11a (6Mbps)
CH144



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138



802.11ac VHT20 (6.5Mbps)
CH144



Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

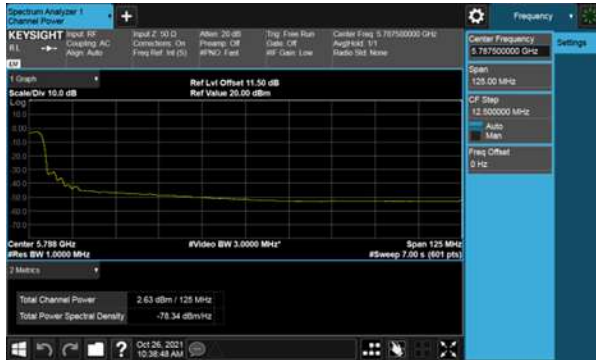


Modulation Type: 802.11ax HE40(14.6Mbps)
CH142





Extends across 5725MHz band, Straddle Channel
Non-Beamforming , ANT A
Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





Extends across 5725MHz band, Straddle Channel
Non-Beamforming , ANT B

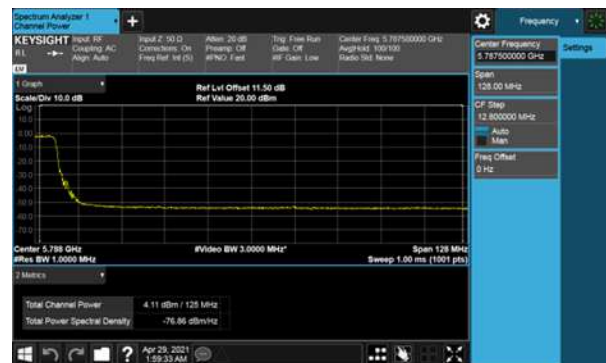
Modulation Type: 802.11a (6Mbps)
CH144

Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138



802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142





Extends across 5725MHz band, Straddle Channel
Non-Beamforming , ANT B
Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





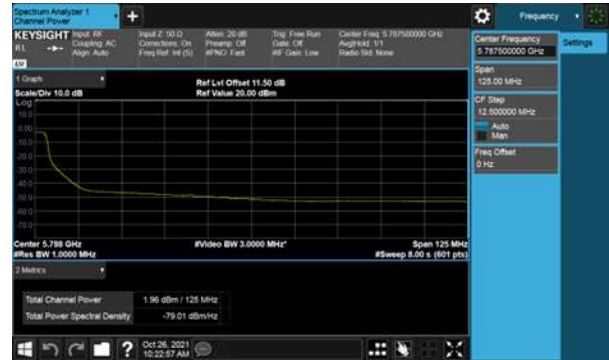
Extends across 5725MHz band, Straddle Channel

Non-Beamforming , ANT C

Modulation Type: 802.11a (6Mbps)
CH144



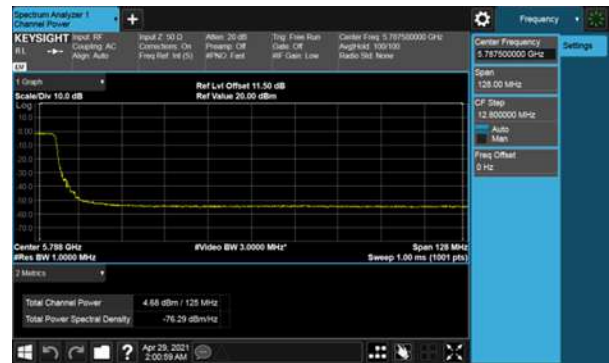
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138



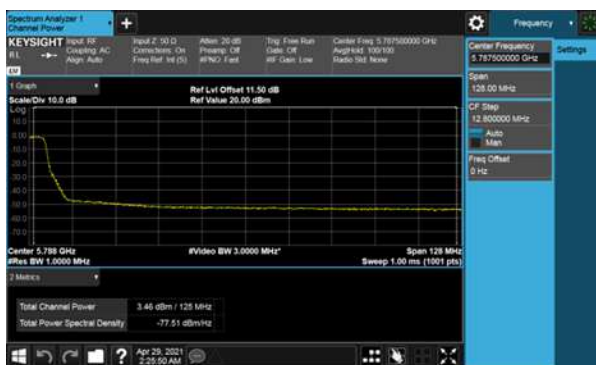
802.11ac VHT20 (6.5Mbps)
CH144



Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

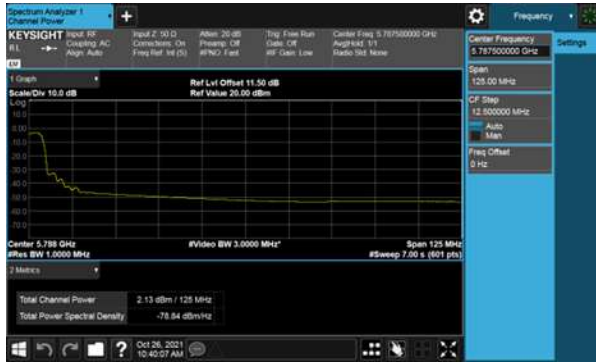


Modulation Type: 802.11ax HE40(14.6Mbps)
CH142





Extends across 5725MHz band, Straddle Channel
Non-Beamforming , ANT C
Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





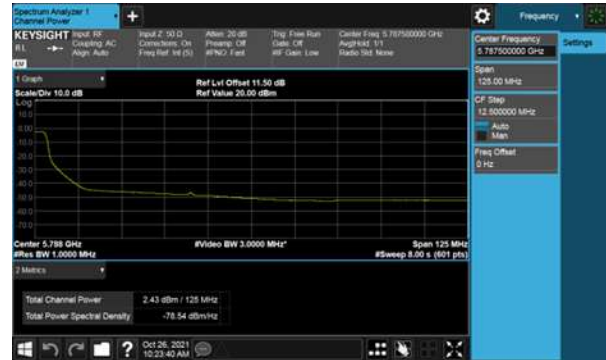
Extends across 5725MHz band, Straddle Channel

Non-Beamforming , ANT D

Modulation Type: 802.11a (6Mbps)
CH144



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138



802.11ac VHT20 (6.5Mbps)
CH144



Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

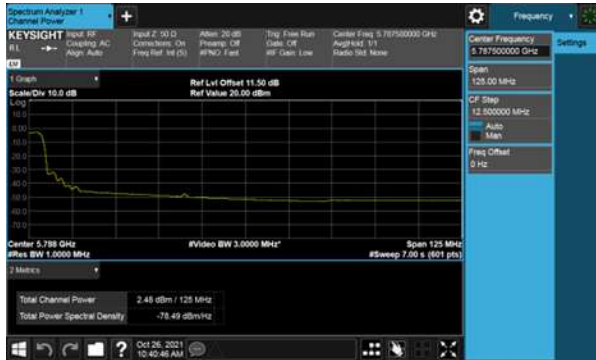


Modulation Type: 802.11ax HE40(14.6Mbps)
CH142





Extends across 5725MHz band, Straddle Channel
Non-Beamforming , ANT D
Modulation Type: 802.11ax HE80(30.6Mbps)
CH138

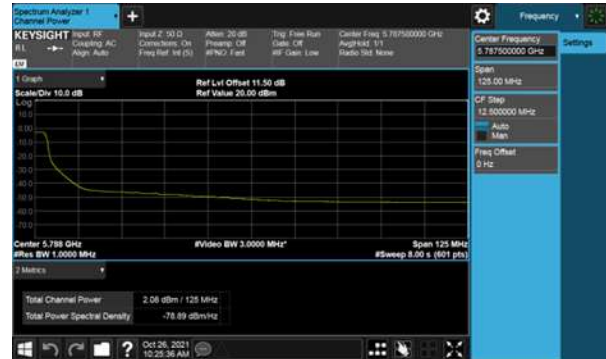
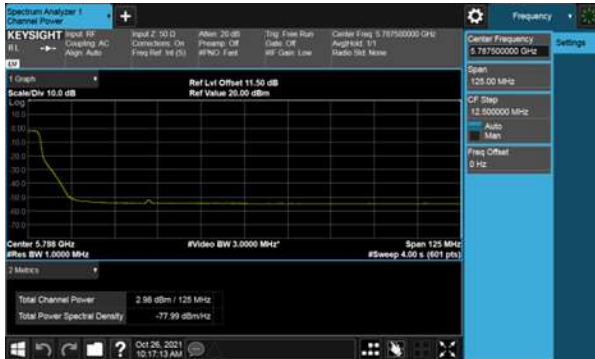




Extends across 5725MHz band, Straddle Channel
Non-Beamforming , ANT E

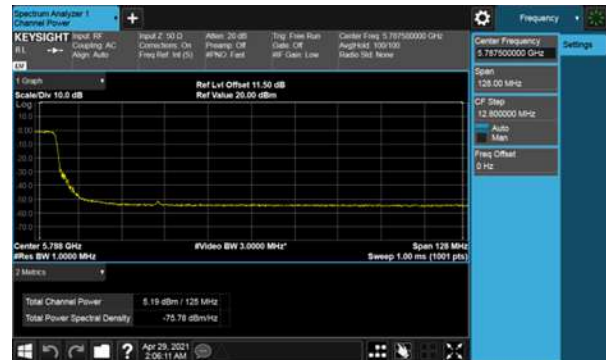
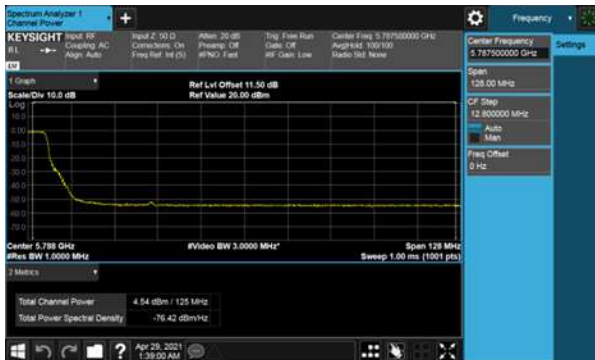
Modulation Type: 802.11a (6Mbps)
CH144

Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138



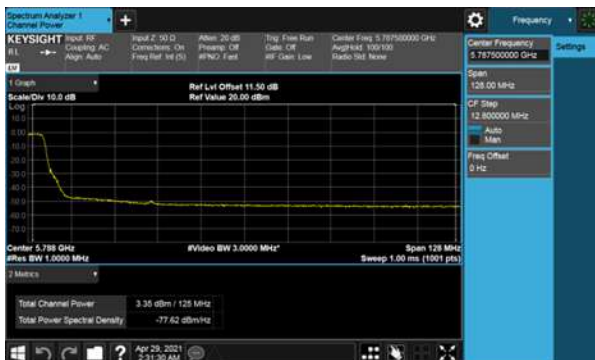
802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



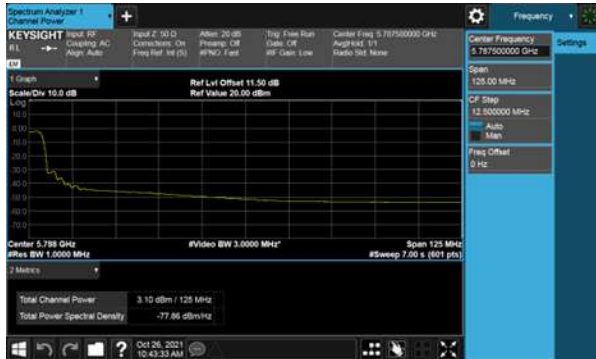
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



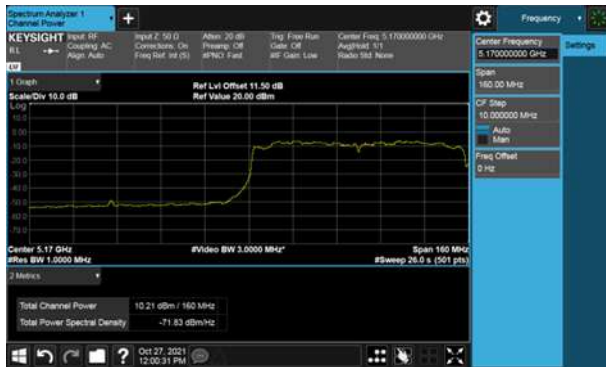


Extends across 5725MHz band, Straddle Channel
Non-Beamforming , ANT E
Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





Straddle Channel, Within 5150-5250MHz band
Beamforming , ANT A
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50





Straddle Channel, Within 5150-5250MHz band
Beamforming , ANT B
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50





Straddle Channel, Within 5150-5250MHz band
Beamforming , ANT C
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50





Straddle Channel, Within 5150-5250MHz band
Beamforming , ANT E
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50





Straddle Channel, Extends across 5250MHz band

Beamforming , ANT A

Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50





Straddle Channel, Extends across 5250MHz band

Beamforming , ANT B

Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50





Straddle Channel, Extends across 5250MHz band

Beamforming , ANT C

Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50

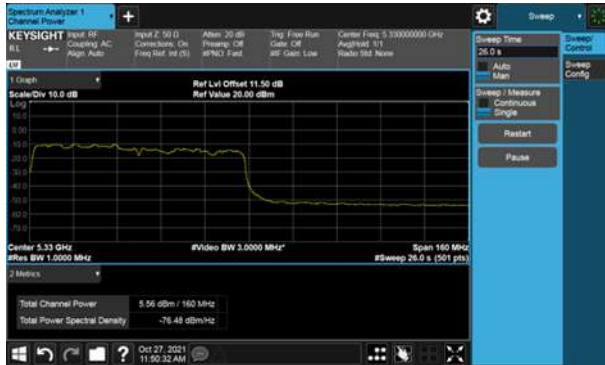




Straddle Channel, Extends across 5250MHz band

Beamforming , ANT D

Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50

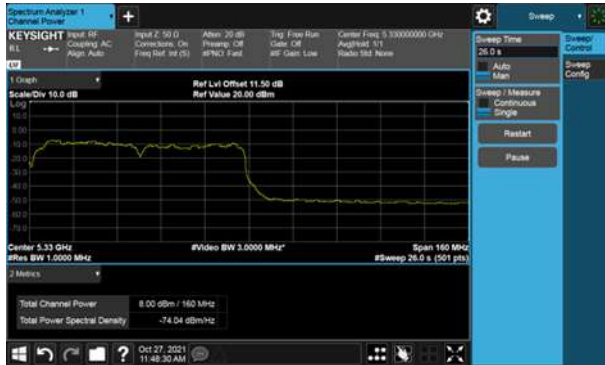




Straddle Channel, Extends across 5250MHz band

Beamforming , ANT E

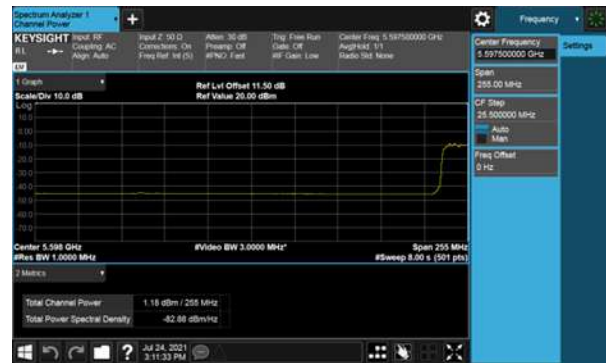
Modulation Type: 802. 11ac VHT160 (58.5Mbps)
CH50





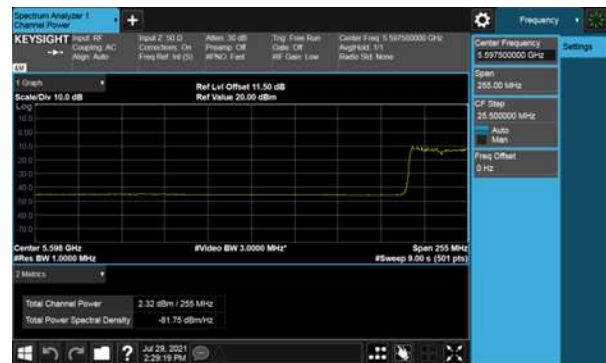
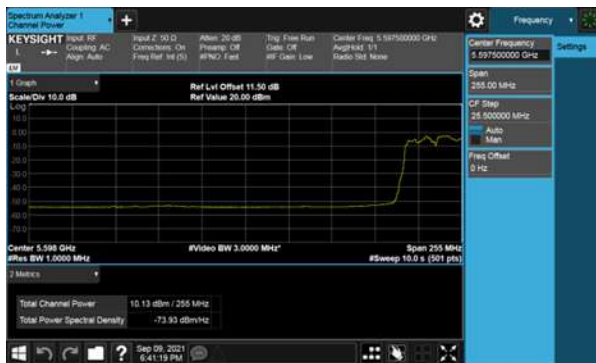
Within 5470-5725MHz Band, Straddle Channel Beamforming , ANT A
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



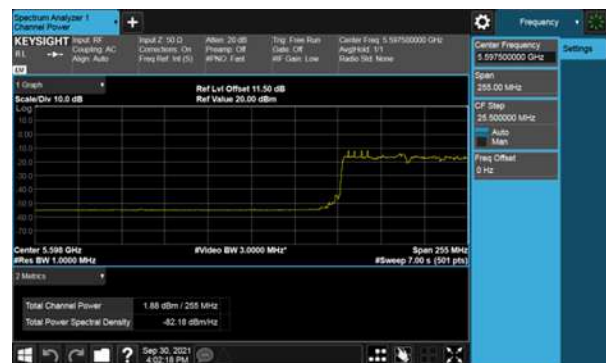
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

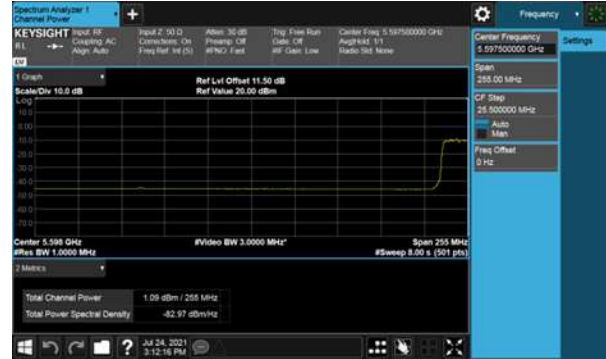
Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





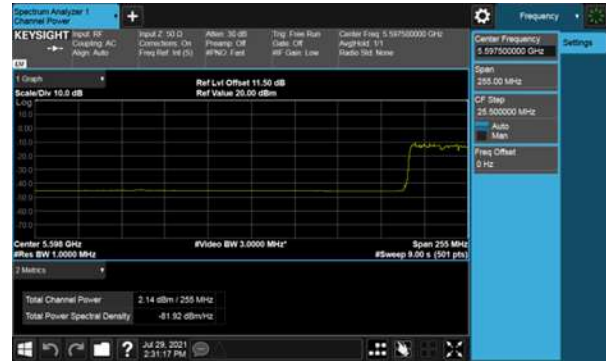
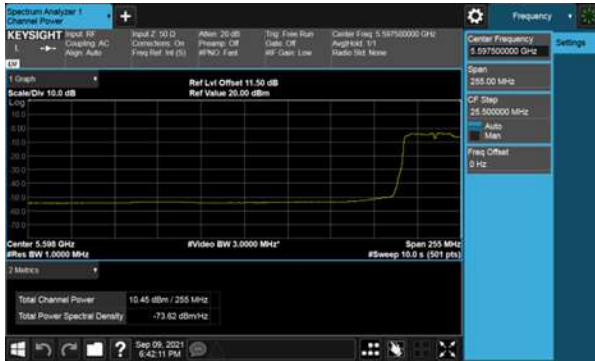
Within 5470-5725MHz Band, Straddle Channel
Beamforming , ANT B
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

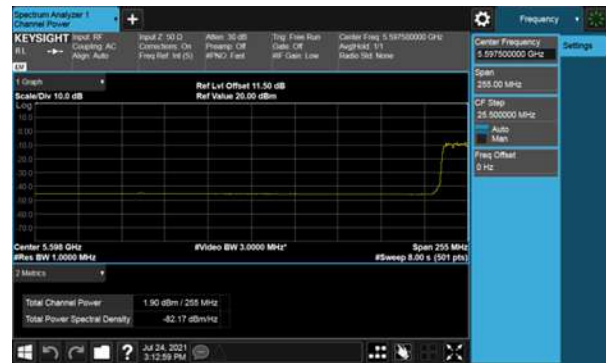
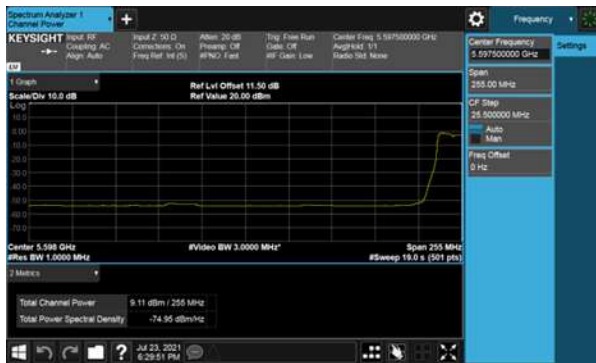
Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





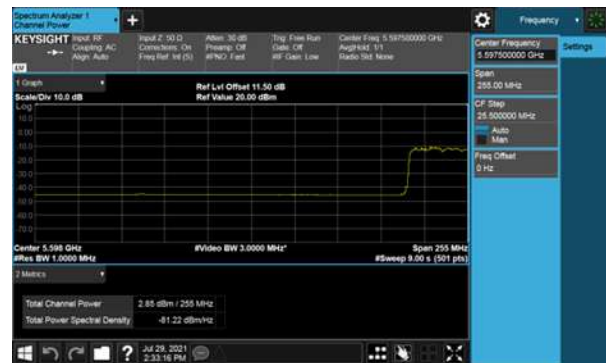
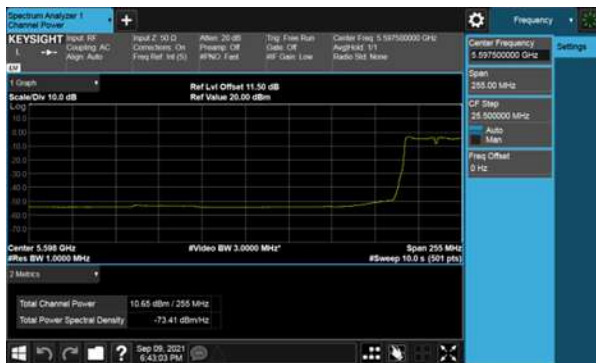
Within 5470-5725MHz Band, Straddle Channel Beamforming , ANT C
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

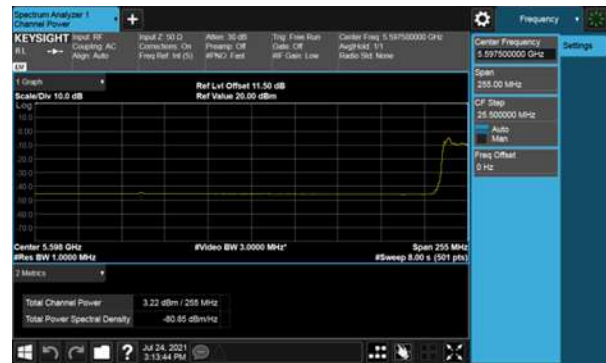
Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





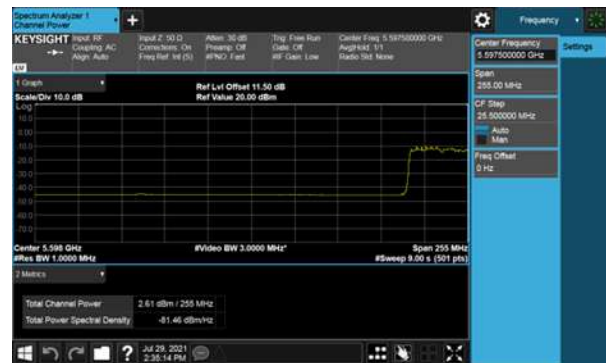
Within 5470-5725MHz Band, Straddle Channel Beamforming , ANT D
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



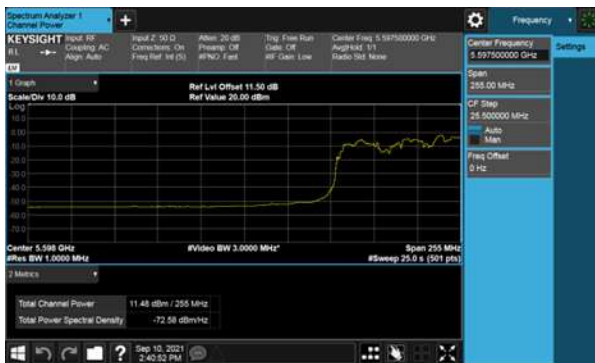
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



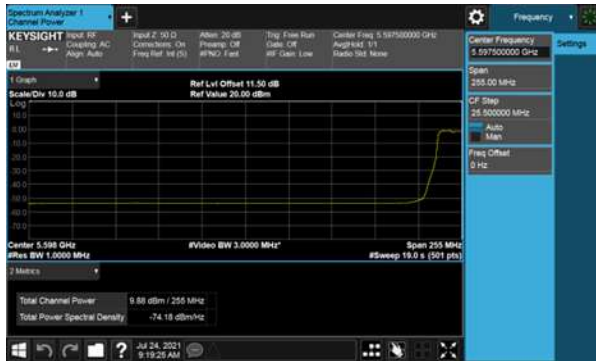
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

Modulation Type: 802.11ax HE80(30.6Mbps)
CH138

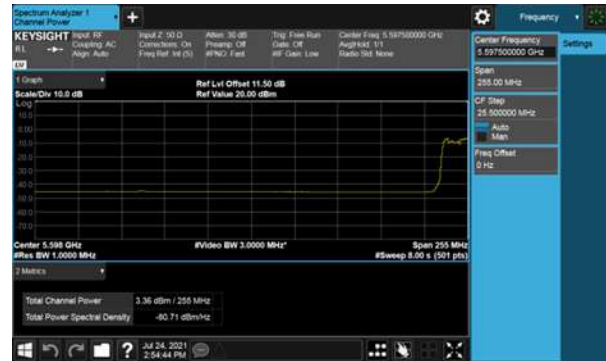




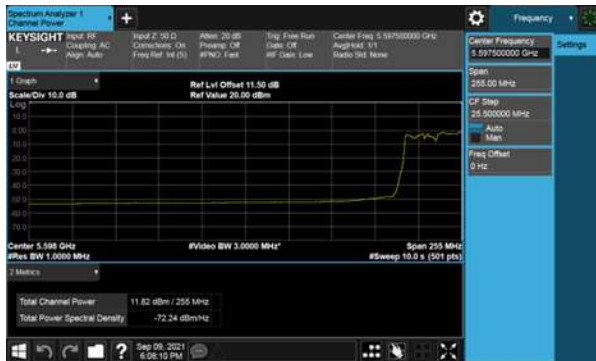
Within 5470-5725MHz Band, Straddle Channel
Beamforming , ANT E
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144



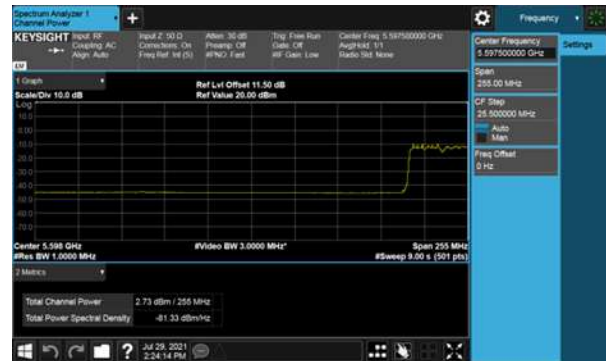
Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142



Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138



Modulation Type: 802.11ax HE80(30.6Mbps)
CH138



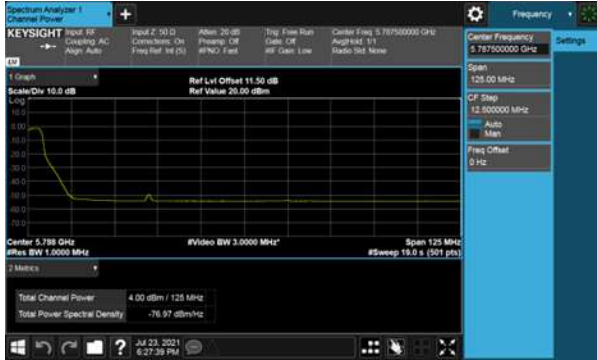


Extends across 5725MHz band, Straddle Channel

Beamforming , ANT A

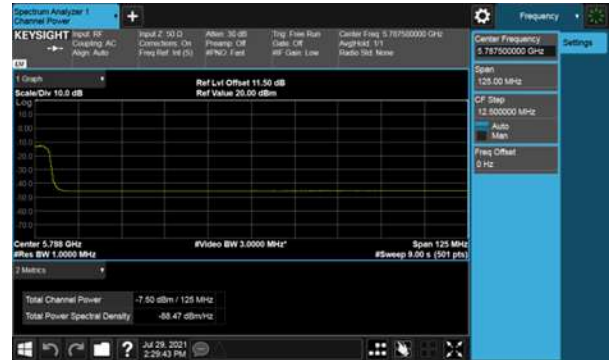
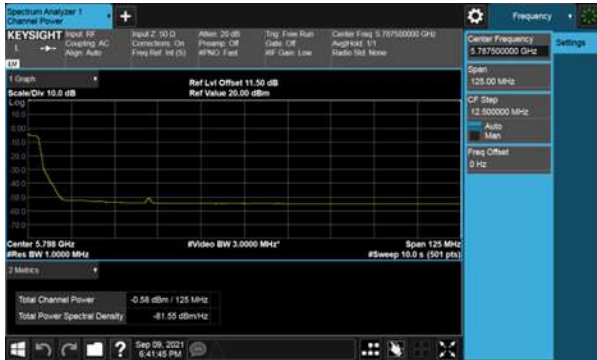
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

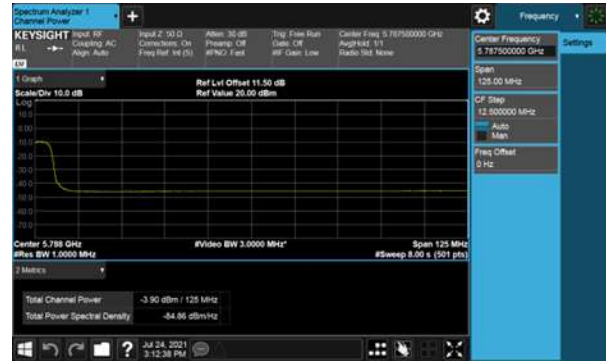
Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





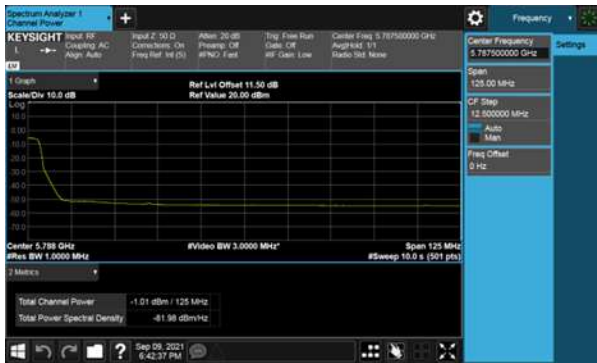
Extends across 5725MHz band, Straddle Channel
Beamforming , ANT B
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

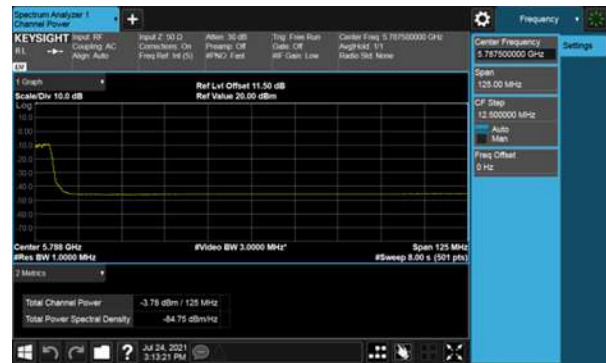
Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





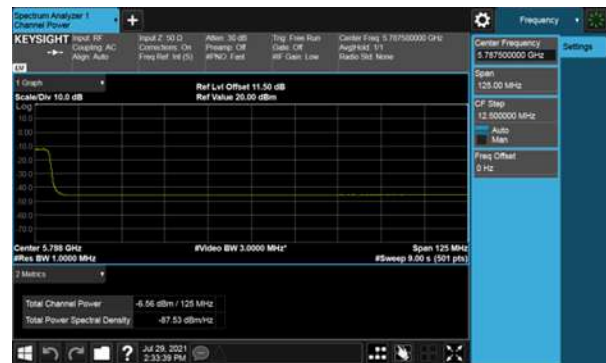
Extends across 5725MHz band, Straddle Channel Beamforming , ANT C
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

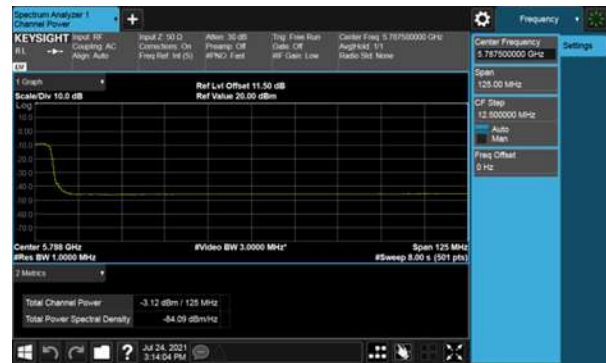
Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





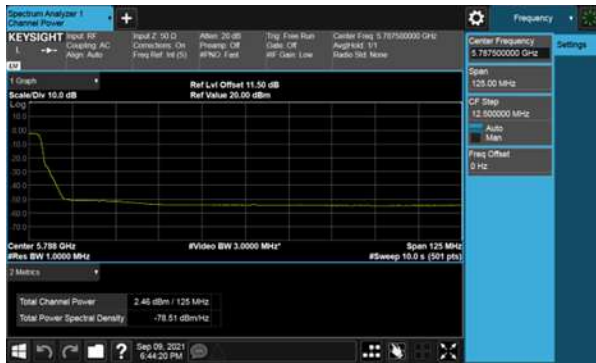
Extends across 5725MHz band, Straddle Channel Beamforming , ANT D
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



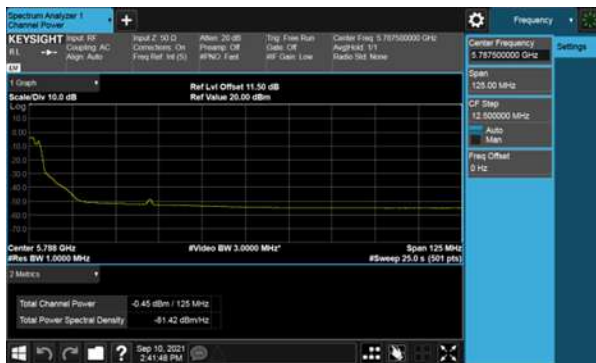
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

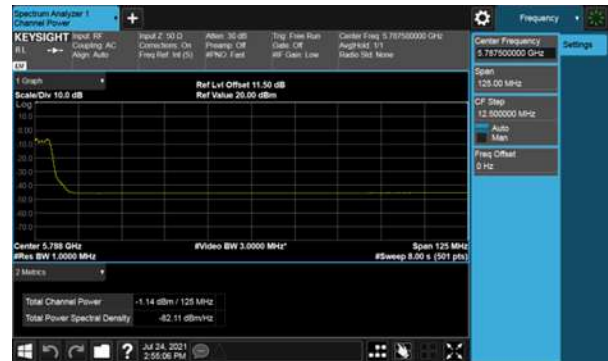
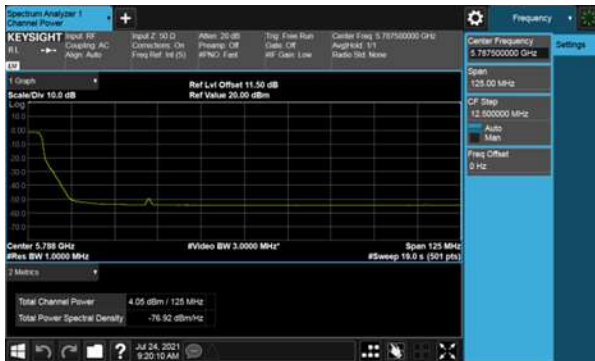
Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





Extends across 5725MHz band, Straddle Channel
Beamforming , ANT E
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH144

Modulation Type: 802.11ax HE20(7.3Mbps)
CH144



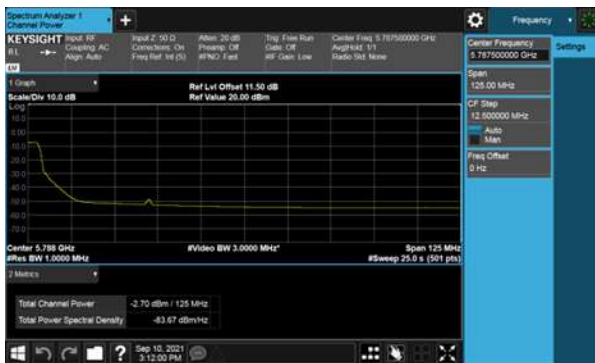
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

Modulation Type: 802.11ax HE40(14.6Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

Modulation Type: 802.11ax HE80(30.6Mbps)
CH138





11. Power Spectral Density

11.1. Test Limit

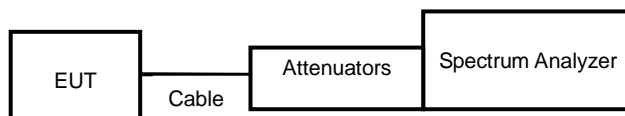
PSD:

Frequency Band		Limit
<input checked="" type="checkbox"/>	5.15~5.25GHz	
	Operating Mode	
<input type="checkbox"/>	Outdoor access point	17 dBm/MHz
<input checked="" type="checkbox"/>	Indoor access point	17 dBm/MHz
<input type="checkbox"/>	Fixed point-to-point access points	17 dBm/MHz
<input type="checkbox"/>	Mobile and portable client devices	11 dBm/MHz
<input checked="" type="checkbox"/>	5.725~5.85 GHz	11 dBm/MHz
<input checked="" type="checkbox"/>	5.470-5.725 GHz	11 dBm/MHz
<input checked="" type="checkbox"/>	5.725~5.85 GHz	30 dBm/500kHz

11.2. Test Procedure

Reference to KDB789033 D02 General UNII Test Procedures New Rules v02r01

11.3. Test Setup Layout



**11.4. Test Result and Data**

Non-Beamforming

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)					Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B	ANT C	ANT D	ANT E				
11a	36	5180	3.40	3.30	3.26	2.87	3.25	10.21	0.50	10.71	12.78
11a	40	5200	3.30	3.37	3.24	2.69	3.12	10.14	0.50	10.64	12.78
11a	48	5240	3.26	3.45	3.12	2.49	3.36	10.14	0.50	10.64	12.78
11ac VHT20	36	5180	4.02	3.77	3.94	3.14	4.07	10.79	0.00	10.79	12.78
11ac VHT20	40	5200	3.83	3.73	3.73	3.09	3.82	10.64	0.00	10.64	12.78
11ac VHT20	48	5240	4.05	3.88	3.93	3.12	4.20	10.84	0.00	10.84	12.78
11ac VHT40	38	5190	2.24	2.13	2.33	1.44	2.28	9.08	0.00	9.08	12.78
11ac VHT40	46	5230	4.06	3.75	4.01	3.38	4.31	10.90	0.00	10.90	12.78
11ac VHT80	42	5210	-3.27	-3.56	-3.44	-3.82	-2.88	3.61	0.22	3.83	12.78
11ax HE20	36	5180	3.95	3.77	3.97	3.31	3.89	10.77	0.00	10.77	12.78
11ax HE20	40	5200	3.98	3.93	4.21	3.50	3.52	10.83	0.00	10.83	12.78
11ax HE20	48	5240	3.98	3.76	4.00	3.41	3.93	10.81	0.00	10.81	12.78
11ax HE40	38	5190	1.59	1.35	1.55	1.22	2.06	8.55	0.16	8.71	12.78
11ax HE40	46	5230	3.48	3.33	3.45	3.36	4.17	10.56	0.16	10.72	12.78
11ax HE80	42	5210	-3.43	-3.61	-3.53	-3.98	-3.29	3.43	0.30	3.73	12.78



Non-Beamforming

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)					Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B	ANT C	ANT D	ANT E				
11a	52	5260	-0.36	-0.44	-0.83	-1.10	-1.06	6.24	0.50	6.74	6.77
11a	60	5300	-0.61	-0.88	-1.39	-1.42	-0.73	6.00	0.50	6.50	6.77
11a	64	5320	-0.31	-0.49	-0.83	-1.05	-1.10	6.25	0.50	6.75	6.77
11ac VHT20	52	5260	-0.31	-0.49	-1.09	-0.83	-0.34	6.39	0.00	6.39	6.77
11ac VHT20	60	5300	-0.12	-0.53	-0.58	-0.95	-0.19	6.53	0.00	6.53	6.77
11ac VHT20	64	5320	-0.05	-0.22	-0.20	-0.75	-0.33	6.69	0.00	6.69	6.77
11ac VHT40	54	5270	0.13	-0.53	-0.18	-0.20	-0.47	6.75	0.00	6.75	6.77
11ac VHT40	62	5310	0.06	-0.29	-0.48	-0.62	-0.68	6.60	0.00	6.60	6.77
11ac VHT80	58	5290	-0.32	-0.75	-0.70	-0.48	-0.52	6.44	0.22	6.66	6.77
11ax HE20	52	5260	-0.15	-0.88	-0.73	-0.65	-0.35	6.45	0.00	6.45	6.77
11ax HE20	60	5300	0.21	-0.21	-0.53	-0.73	-0.61	6.63	0.00	6.63	6.77
11ax HE20	64	5320	-0.17	-0.77	-0.96	-0.94	-0.48	6.34	0.00	6.34	6.77
11ax HE40	54	5270	-0.45	-0.88	-0.75	-0.70	-0.52	6.33	0.16	6.49	6.77
11ax HE40	62	5310	-0.29	-0.94	-0.85	-0.77	-0.69	6.29	0.16	6.45	6.77
11ax HE80	58	5290	-0.18	-0.71	-0.50	-0.60	-0.68	6.46	0.30	6.76	6.77



Non-Beamforming

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)					Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B	ANT C	ANT D	ANT E				
11a	100	5500	-2.67	-3.61	-2.62	-3.22	-2.72	4.04	0.50	4.54	6.50
11a	120	5600	-2.23	-3.15	-2.48	-2.44	-3.14	4.32	0.50	4.82	6.50
11a	140	5700	-2.58	-3.40	-2.09	-2.22	-3.11	4.34	0.50	4.84	6.50
11a	144	5720	-2.77	-3.88	-2.53	-2.80	-2.74	4.07	0.50	4.57	6.50
11ac VHT20	100	5500	-1.95	-2.67	-2.01	-2.48	-1.82	4.82	0.00	4.82	6.50
11ac VHT20	120	5600	-2.16	-2.36	-2.28	-2.64	-1.81	4.75	0.00	4.75	6.50
11ac VHT20	140	5700	-2.21	-3.14	-1.65	-1.86	-2.03	4.84	0.00	4.84	6.50
11ac VHT20	144	5720	-2.48	-3.22	-2.07	-2.58	-2.15	4.51	0.00	4.51	6.50
11ac VHT40	102	5510	-2.10	-2.73	-2.52	-2.34	-1.98	4.67	0.00	4.67	6.50
11ac VHT40	118	5590	-2.27	-2.57	-2.21	-3.14	-2.56	4.45	0.00	4.45	6.50
11ac VHT40	134	5670	-2.44	-2.72	-2.74	-3.05	-2.34	4.34	0.00	4.34	6.50
11ac VHT40	142	5710	-2.35	-3.04	-2.28	-2.46	-2.64	4.45	0.00	4.45	6.50
11ac VHT80	106	5530	-3.98	-4.44	-4.12	-4.31	-4.30	2.77	0.22	2.99	6.50
11ac VHT80	122	5610	-2.42	-2.88	-2.74	-2.84	-2.38	4.34	0.22	4.56	6.50
11ac VHT80	138	5690	-2.09	-2.87	-2.46	-2.93	-2.15	4.50	0.22	4.72	6.50
11ax HE20	100	5500	-2.02	-2.53	-2.05	-2.45	-2.12	4.76	0.00	4.76	6.50
11ax HE20	120	5600	-2.14	-2.39	-2.40	-2.59	-2.05	4.68	0.00	4.68	6.50
11ax HE20	140	5700	-2.02	-2.79	-1.56	-2.11	-2.40	4.83	0.00	4.83	6.50
11ax HE20	144	5720	-2.53	-3.57	-1.76	-2.62	-2.16	4.50	0.00	4.50	6.50
11ax HE40	102	5510	-2.06	-2.72	-2.24	-2.56	-2.42	4.60	0.16	4.76	6.50
11ax HE40	118	5590	-2.31	-2.62	-2.40	-2.85	-2.16	4.53	0.16	4.69	6.50
11ax HE40	134	5670	-2.31	-2.84	-2.58	-3.02	-2.48	4.35	0.16	4.51	6.50
11ax HE40	142	5710	-2.46	-3.11	-2.16	-2.76	-2.42	4.42	0.16	4.58	6.50
11ax HE80	106	5530	-6.00	-6.71	-6.09	-6.48	-5.98	0.75	0.30	1.05	6.50
11ax HE80	122	5610	-2.30	-2.51	-2.11	-2.71	-2.68	4.53	0.30	4.83	6.50
11ax HE80	138	5690	-2.30	-3.04	-2.53	-3.08	-2.58	4.29	0.30	4.59	6.50



Non-Beamforming

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)					Sum chain (dBm)	Duty Cycle CF(dB)	10log(500K Hz/RBW) CF (dB)	Total Corr'd PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)
			ANT A	ANT B	ANT C	ANT D	ANT E					
11a	149	5745	8.66	7.90	8.63	8.57	8.73	15.50	0.50	-3.01	12.99	25.58
11a	157	5785	8.88	8.15	9.06	8.91	8.64	15.73	0.50	-3.01	13.22	25.58
11a	165	5825	8.79	8.26	9.06	8.61	8.26	15.60	0.50	-3.01	13.09	25.58
11ac VHT20	149	5745	9.27	8.43	9.51	8.99	8.02	15.87	0.00	-3.01	12.86	25.58
11ac VHT20	157	5785	8.94	8.22	9.17	8.72	8.44	15.70	0.00	-3.01	12.69	25.58
11ac VHT20	165	5825	9.27	8.15	9.08	8.81	8.55	15.78	0.00	-3.01	12.77	25.58
11ac VHT40	151	5755	7.37	6.44	7.61	7.15	6.74	14.07	0.00	-3.01	11.06	25.58
11ac VHT40	159	5795	7.00	6.69	7.38	6.98	6.33	13.88	0.00	-3.01	10.87	25.58
11ac VHT80	155	5775	1.68	1.09	2.04	1.76	2.55	8.84	0.22	-3.01	6.05	25.58
11ax HE20	149	5745	8.92	8.03	9.11	8.54	8.80	15.68	0.00	-3.01	12.67	25.58
11ax HE20	157	5785	8.46	7.90	8.63	8.34	8.29	15.32	0.00	-3.01	12.31	25.58
11ax HE20	165	5825	8.53	7.73	8.58	7.99	8.84	15.34	0.00	-3.01	12.33	25.58
11ax HE40	151	5755	6.70	6.27	7.19	6.48	6.06	13.55	0.16	-3.01	10.70	25.58
11ax HE40	159	5795	6.54	6.09	6.93	6.66	5.58	13.38	0.16	-3.01	10.53	25.58
11ax HE80	155	5775	1.77	1.29	2.19	1.63	2.03	8.78	0.30	-3.01	6.07	25.58

Non-Beamforming

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)					Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B	ANT C	ANT D	ANT E				
11ac VHT160	50	5210	-4.27	-4.79	-4.48	-4.80	-4.37	2.45	0.42	2.87	12.78
11ac VHT160		5290	-4.54	-4.66	-4.77	-5.32	-4.21	2.30	0.42	2.72	6.77
11ac VHT160	114	5570	-5.99	-6.01	-5.90	-6.50	-5.67	0.98	0.42	1.40	6.50



Beamforming

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)					Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B	ANT C	ANT D	ANT E				
11ac VHT20	36	5180	4.65	5.12	4.40	3.23	4.34	11.38	0.28	11.66	12.78
11ac VHT20	40	5200	6.13	5.53	4.77	5.57	5.39	12.49	0.28	12.77	12.78
11ac VHT20	48	5240	5.45	4.81	5.30	4.52	4.79	11.98	0.28	12.26	12.78
11ac VHT40	38	5190	1.67	1.20	2.32	1.19	2.03	8.69	0.31	9.00	12.78
11ac VHT40	46	5230	-3.13	-2.25	-2.37	-2.66	-2.53	4.41	0.31	4.72	12.78
11ac VHT80	42	5210	1.20	0.86	0.60	1.82	1.00	8.11	0.15	8.26	12.78
11ax HE20	36	5180	-1.43	-1.24	-1.29	-1.93	-1.41	5.54	7.10	12.64	12.78
11ax HE20	40	5200	-0.91	-2.09	-1.60	-1.58	-0.62	5.66	7.10	12.76	12.78
11ax HE20	48	5240	-1.09	-1.28	-1.61	-1.62	-1.96	5.49	7.10	12.59	12.78
11ax HE40	38	5190	-3.51	-4.31	-4.00	-4.76	-4.36	2.82	9.61	12.43	12.78
11ax HE40	46	5230	-4.16	-4.52	-3.80	-4.60	-4.57	2.67	9.61	12.28	12.78
11ax HE80	42	5210	-6.72	-6.71	-6.36	-6.86	-6.98	0.27	10.48	10.75	12.78



Beamforming

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)					Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B	ANT C	ANT D	ANT E				
11ac VHT20	52	5260	-0.33	-1.77	-1.06	-1.24	0.01	6.16	0.28	6.44	6.77
11ac VHT20	60	5300	0.97	-1.05	-1.29	-2.46	-1.49	6.08	0.28	6.36	6.77
11ac VHT20	64	5320	1.39	-2.02	-0.52	-2.58	-1.41	6.20	0.28	6.48	6.77
11ac VHT40	54	5270	-8.97	-9.37	-8.44	-8.32	-8.60	-1.73	0.31	-1.42	6.77
11ac VHT40	62	5310	-1.93	-2.41	-1.97	-2.43	-2.09	4.83	0.31	5.14	6.77
11ac VHT80	58	5290	-5.93	-5.13	-4.23	-4.55	-4.68	2.12	0.15	2.27	6.77
11ax HE20	52	5260	-7.39	-7.65	-7.15	-7.75	-7.34	-0.46	7.10	6.64	6.77
11ax HE20	60	5300	-7.49	-7.77	-7.63	-8.45	-7.07	-0.67	7.10	6.43	6.77
11ax HE20	64	5320	-7.78	-7.57	-7.57	-8.32	-7.76	-0.80	7.10	6.30	6.77
11ax HE40	54	5270	-9.81	-10.39	-9.64	-10.06	-10.73	-3.12	9.61	6.49	6.77
11ax HE40	62	5310	-9.85	-10.55	-9.46	-10.64	-9.55	-2.99	9.61	6.62	6.77
11ax HE80	58	5290	-12.36	-12.44	-12.49	-12.93	-13.13	-5.67	10.48	4.81	6.77



Beamforming

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)					Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B	ANT C	ANT D	ANT E				
11ac VHT20	100	5500	0.58	-1.98	-1.34	-1.93	-0.85	5.99	0.28	6.27	6.50
11ac VHT20	120	5600	0.62	-1.63	-1.34	-1.52	-0.87	6.13	0.28	6.41	6.50
11ac VHT20	140	5700	-0.37	-1.67	-0.74	-1.29	-0.38	6.13	0.28	6.41	6.50
11ac VHT20	144	5720	-1.20	-1.74	-1.30	-1.60	-0.81	5.67	0.31	5.98	6.50
11ac VHT40	102	5510	-2.98	-2.90	-2.58	-3.02	-2.14	4.28	0.31	4.59	6.50
11ac VHT40	118	5590	-2.36	-3.01	-2.09	-2.39	-3.44	4.36	0.31	4.67	6.50
11ac VHT40	134	5670	-2.60	-2.28	-2.01	-2.25	-2.63	4.64	0.31	4.95	6.50
11ac VHT40	142	5710	-3.42	-3.42	-2.39	-2.20	-2.30	4.28	0.31	4.59	6.50
11ac VHT80	106	5530	-5.35	-4.86	-4.34	-3.43	-4.61	2.52	0.15	2.67	6.50
11ac VHT80	122	5610	-5.73	-5.13	-4.16	-3.91	-5.17	2.22	0.15	2.37	6.50
11ac VHT80	138	5690	-5.88	-5.32	-5.59	-5.48	-5.28	1.49	0.15	1.64	6.50
11ax HE20	100	5500	-7.47	-7.73	-7.57	-7.93	-7.79	-0.70	7.10	6.40	6.50
11ax HE20	120	5600	-8.03	-7.93	-7.04	-7.89	-7.85	-0.74	7.10	6.36	6.50
11ax HE20	140	5700	-8.36	-7.84	-7.51	-8.25	-7.48	-0.88	7.10	6.22	6.50
11ax HE20	144	5720	-8.58	-8.32	-8.07	-7.11	-7.06	-0.79	7.10	6.31	6.50
11ax HE40	102	5510	-10.90	-9.93	-9.57	-10.53	-10.81	-3.33	9.61	6.28	6.50
11ax HE40	118	5590	-10.49	-10.33	-9.45	-10.09	-10.58	-3.18	9.61	6.43	6.50
11ax HE40	134	5670	-10.33	-9.90	-9.86	-10.36	-10.48	-3.19	9.61	6.42	6.50
11ax HE40	142	5710	-10.38	-10.48	-9.72	-10.01	-10.01	-3.12	9.61	6.49	6.50
11ax HE80	106	5530	-13.90	-13.55	-13.32	-13.81	-13.40	-6.60	10.48	3.88	6.50
11ax HE80	122	5610	-12.74	-12.62	-12.31	-12.55	-12.85	-5.62	10.48	4.86	6.50
11ax HE80	138	5690	-11.75	-11.79	-11.12	-11.17	-11.77	-4.52	10.48	5.96	6.50



Beamforming

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)					Sum chain (dBm)	Duty Cycle CF(dB)	10log(500KHz/RBW) CF (dB)	Total Corr'd PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)
			ANT A	ANT B	ANT C	ANT D	ANT E					
11ac VHT20	149	5745	5.60	5.54	6.74	6.00	6.74	13.15	0.28	-3.01	10.42	25.58
11ac VHT20	157	5785	5.79	5.75	6.83	6.51	7.00	13.40	0.28	-3.01	10.67	25.58
11ac VHT20	165	5825	-3.05	-2.92	-2.07	-2.90	-2.07	4.41	0.28	-3.01	1.68	25.58
11ac VHT40	151	5755	1.78	2.85	2.67	2.86	3.59	9.78	0.31	-3.01	7.08	25.58
11ac VHT40	159	5795	2.19	2.02	2.93	2.75	3.08	9.60	0.31	-3.01	6.90	25.58
11ac VHT80	155	5775	-0.53	0.17	0.99	0.31	0.96	7.40	0.15	-3.01	4.54	25.58
11ax HE20	149	5745	-0.04	-0.48	1.35	0.23	0.53	7.35	7.10	-3.01	11.44	25.58
11ax HE20	157	5785	0.23	-0.25	-0.27	-0.11	-0.31	6.85	7.10	-3.01	10.94	25.58
11ax HE20	165	5825	-1.62	-0.80	-0.77	-0.57	-0.74	6.11	7.10	-3.01	10.20	25.58
11ax HE40	151	5755	-5.63	-5.07	-3.72	-2.97	-5.28	2.58	9.61	-3.01	9.18	25.58
11ax HE40	159	5795	-5.11	-5.22	-4.96	-5.53	-5.59	1.71	9.61	-3.01	8.31	25.58
11ax HE80	155	5775	-7.15	-6.98	-7.06	-7.52	-7.19	-0.19	10.48	-3.01	7.28	25.58

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)					Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B	ANT C	ANT D	ANT E				
11ac VHT160	50	5210	-6.64	-6.77	-5.72	-6.79	-6.58	0.51	0.18	0.69	12.78
11ac VHT160		5290	-6.80	-6.80	-6.20	-6.98	-6.91	0.26	0.18	0.44	6.77
11ac VHT160	114	5570	-9.05	-8.55	-8.12	-7.55	-7.84	-1.20	0.18	-1.02	6.50



Non-Beamforming, ANT A
Modulation Type: 802.11a (6Mbps)
CH36

Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH36



CH40

CH40



CH48

CH48





Non-Beamforming, ANT A
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42



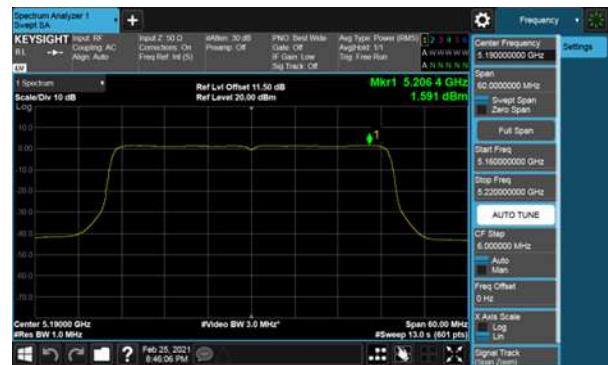
CH46





Non-Beamforming, ANT A
Modulation Type: 802.11ax HE20(7.3Mbps)
CH36

Modulation Type: 802.11ax HE40(14.6Mbps)
CH38



CH40

CH46



CH48





Non-Beamforming, ANT A
Modulation Type: 802.11ax HE80(30.6Mbps)
CH42





Non-Beamforming, ANT B
Modulation Type: 802.11a (6Mbps)
CH36

Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH36



CH40

CH40



CH48

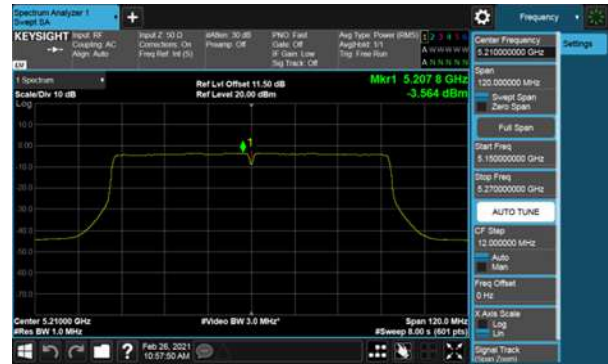
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Non-Beamforming, ANT B
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42



CH46





Non-Beamforming, ANT B
Modulation Type: 802.11ax HE20(7.3Mbps)
CH36

Modulation Type: 802.11ax HE40(14.6Mbps)
CH38



CH40

CH46



CH48





Non-Beamforming, ANT B
Modulation Type: 802.11ax HE80(30.6Mbps)
CH42





Non-Beamforming, ANT C
Modulation Type: 802.11a (6Mbps)
CH36

Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH36



CH40

CH40



CH48

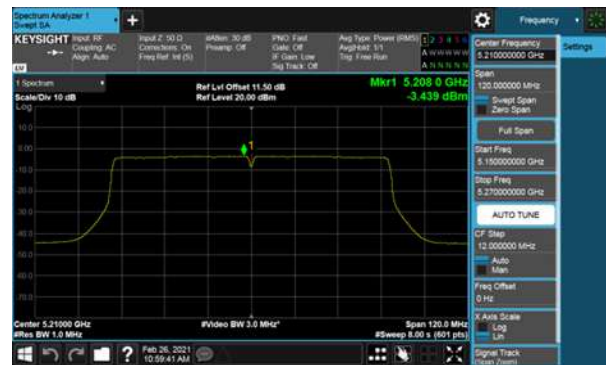
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Non-Beamforming, ANT C
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42



CH46





Non-Beamforming, ANT C
Modulation Type: 802.11ax HE20(7.3Mbps)
CH36

Modulation Type: 802.11ax HE40(14.6Mbps)
CH38



CH40



CH46



CH48





Non-Beamforming, ANT C
Modulation Type: 802.11ax HE80(30.6Mbps)
CH42





Non-Beamforming, ANT D
Modulation Type: 802.11a (6Mbps)
CH36

Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH36



CH40

CH40



CH48

CH48





Non-Beamforming, ANT D
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42



CH46





Non-Beamforming, ANT D
Modulation Type: 802.11ax HE20(7.3Mbps)
CH36

Modulation Type: 802.11ax HE40(14.6Mbps)
CH38



CH40



CH46



CH48





Non-Beamforming, ANT D
Modulation Type: 802.11ax HE80(30.6Mbps)
CH42





Non-Beamforming, ANT E
Modulation Type: 802.11a (6Mbps)
CH36

Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH36



CH40

CH40



CH48

CH48





Non-Beamforming, ANT E
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42



CH46





Non-Beamforming, ANT E
Modulation Type: 802.11ax HE20(7.3Mbps)
CH36

Modulation Type: 802.11ax HE40(14.6Mbps)
CH38



CH40

CH46



CH48





Non-Beamforming, ANT E
Modulation Type: 802.11ax HE80(30.6Mbps)
CH42





Non-Beamforming, ANT A
Modulation Type: 802.11a (6Mbps)
CH52

Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH52



CH60

CH60



CH64

CH64

