



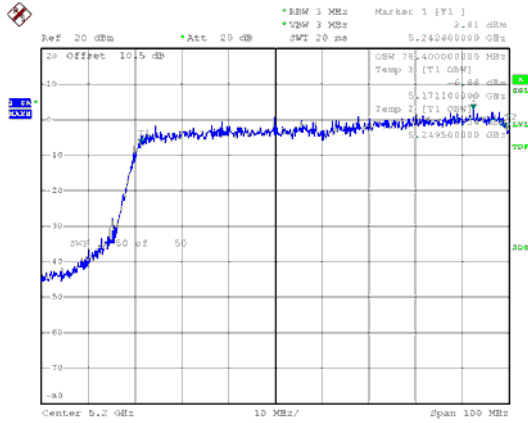
99% Bandwidth

MIMO

ANT A

Modulation Type: 802.11ax160

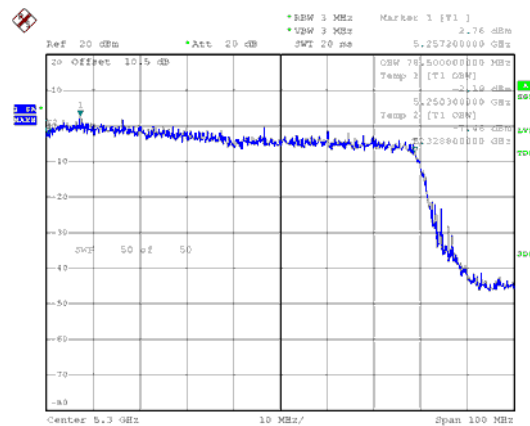
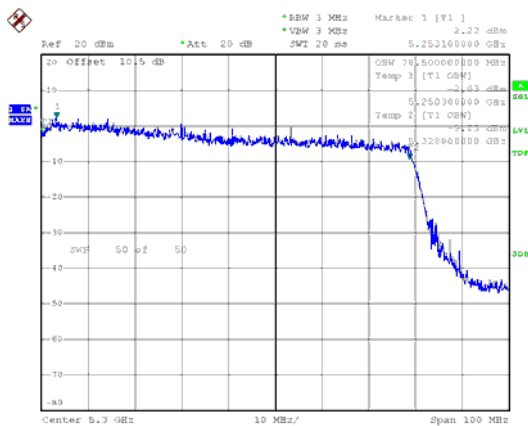
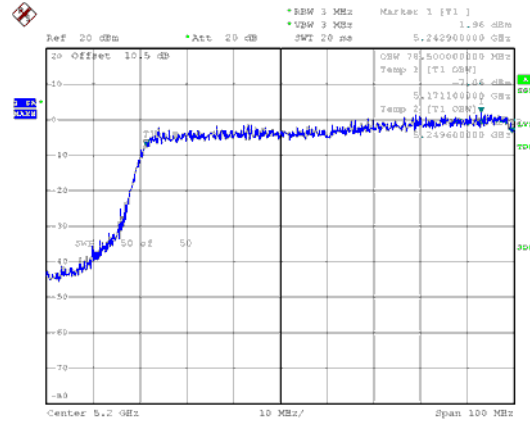
CH50



ANT B

Modulation Type: 802.11ax160

CH50





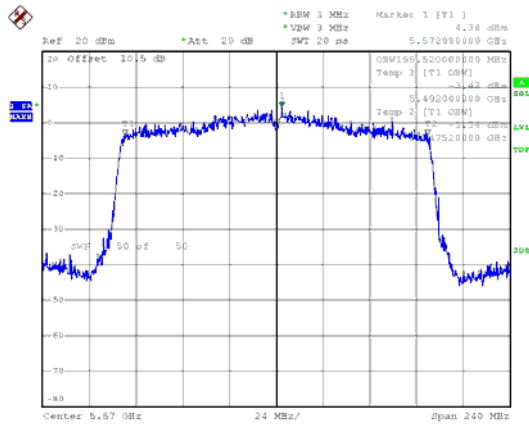
99% Bandwidth

MIMO

ANT A

Modulation Type: 802.11ax160

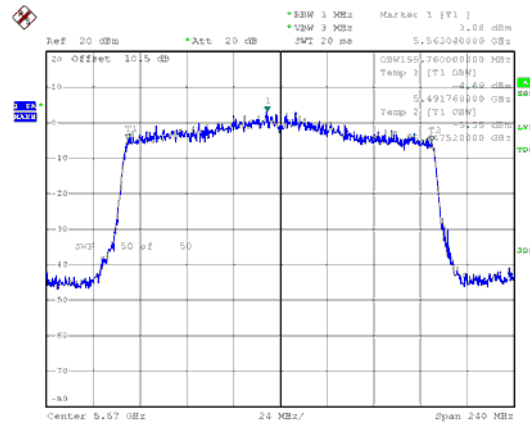
CH114



ANT B

Modulation Type: 802.11ax160

CH114





10. Average Power

10.1. Test Limit

Output Power:

Frequency Band		Limit
☒	5.15~5.25GHz	
	Operating Mode	
☐	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).
☐	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.
☐	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.
☒	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.

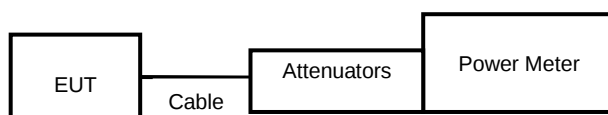


Frequency Band		Limit
☒	5.25-5.35 GHz	The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, 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.
☒	5.470-5.725 GHz	
☒	5.725~5.85 GHz	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). 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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.

10.2.Test Procedure

According to the methods defined in ANSI C63.10-2013 Section 12.3
The transmitter output is connected to a power meter.

10.3.Test Setup Layout



**10.4. Test Result and Data**

ESY10I1E

ANT A

Modulation Type	Data Rate	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	17.5	36	5180	15.59	15.59	36.224	24.00
11a	6 Mbps	17.5	40	5200	15.71	15.71	37.239	24.00
11a	6 Mbps	21	48	5240	18.21	18.21	66.222	24.00
11a	6 Mbps	17.5	52	5260	15.30	15.30	33.884	23.91
11a	6 Mbps	17.5	60	5300	14.53	14.53	28.379	23.90
11a	6 Mbps	18	64	5320	14.82	14.82	30.339	23.90
11a	6 Mbps	17	100	5500	15.37	15.37	34.435	23.90
11a	6 Mbps	19	120	5600	16.02	16.02	39.994	23.92
11a	6 Mbps	16	140	5700	11.67	11.67	14.689	23.87
11a	6 Mbps	19.5	149	5745	13.95	13.95	24.831	30.00
11a	6 Mbps	21	157	5785	15.59	15.59	36.224	30.00
11a	6 Mbps	19.5	165	5825	13.34	13.34	21.577	30.00

ANT B

Modulation Type	Data Rate	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT B			
11a	6 Mbps	21	36	5180	19.05	19.05	80.353	24.00
11a	6 Mbps	21	40	5200	18.83	18.83	76.384	24.00
11a	6 Mbps	21	48	5240	18.21	18.21	66.222	24.00
11a	6 Mbps	21	52	5260	17.95	17.95	62.373	23.91
11a	6 Mbps	21	60	5300	17.80	17.80	60.256	23.90
11a	6 Mbps	21	64	5320	17.61	17.61	57.677	23.90
11a	6 Mbps	21	100	5500	17.19	17.19	52.360	23.90
11a	6 Mbps	20	120	5600	17.50	17.50	56.234	23.92
11a	6 Mbps	19	140	5700	17.34	17.34	54.200	23.87
11a	6 Mbps	20	149	5745	17.37	17.37	54.576	30.00
11a	6 Mbps	21	157	5785	17.54	17.54	56.754	30.00
11a	6 Mbps	21	165	5825	17.22	17.22	52.723	30.00



ESY10I1E

ANT A, B

Modulation Type	Data Rate	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)		Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B			
11ax HE20	NSS1-MCS0	16	36	5180	14.15	14.03	17.10	51.295	24.00
11ax HE20	NSS1-MCS0	17	40	5200	15.08	15.03	18.07	64.053	24.00
11ax HE20	NSS1-MCS0	17.5	48	5240	14.82	15.08	17.96	62.550	24.00
11ax HE40	NSS1-MCS0	14.5	38	5190	12.47	12.06	15.28	33.730	24.00
11ax HE40	NSS1-MCS0	17	46	5230	14.53	14.18	17.37	54.561	24.00
11ax HE80	NSS1-MCS0	13.5	42	5210	10.76	10.43	13.61	22.953	24.00
11ax HE20	NSS1-MCS0	19	52	5260	16.61	16.38	19.51	89.265	24.00
11ax HE20	NSS1-MCS0	17	60	5300	14.02	13.51	16.78	47.674	24.00
11ax HE20	NSS1-MCS0	15	64	5320	11.77	11.22	14.51	28.275	24.00
11ax HE40	NSS1-MCS0	18	54	5270	14.62	14.48	17.56	57.028	24.00
11ax HE40	NSS1-MCS0	15	62	5310	11.08	10.84	13.97	24.957	24.00
11ax HE80	NSS1-MCS0	14.5	58	5290	10.66	10.60	13.64	23.123	24.00
11ax HE20	NSS1-MCS0	15	100	5500	13.25	10.95	15.26	33.580	24.00
11ax HE20	NSS1-MCS0	17.5	120	5600	14.32	15.05	17.71	59.029	24.00
11ax HE20	NSS1-MCS0	14	140	5700	9.55	12.01	13.96	24.901	24.00
11ax HE40	NSS1-MCS0	14	102	5510	11.72	9.26	13.67	23.293	24.00
11ax HE40	NSS1-MCS0	18	118	5590	14.93	14.68	17.82	60.494	24.00
11ax HE40	NSS1-MCS0	15.5	134	5670	11.31	13.14	15.33	34.127	24.00
11ax HE80	NSS1-MCS0	13	106	5530	10.02	8.34	12.27	16.870	24.00
11ax HE80	NSS1-MCS0	16.5	122	5610	13.08	13.02	16.06	40.368	24.00
11ax HE160	NSS1-MCS0	11.5	114	5570	8.93	7.74	11.39	13.759	24.00
11ax HE20	NSS1-MCS0	17	149	5745	11.48	14.47	16.24	42.050	30.00
11ax HE20	NSS1-MCS0	17	157	5785	10.95	13.71	15.56	35.941	30.00
11ax HE20	NSS1-MCS0	16.5	165	5825	10.43	12.31	14.48	28.062	30.00
11ax HE40	NSS1-MCS0	16.5	151	5755	10.58	13.39	15.22	33.256	30.00
11ax HE40	NSS1-MCS0	17.5	159	5795	11.52	13.85	15.85	38.457	30.00
11ax HE80	NSS1-MCS0	15.5	155	5775	9.15	11.92	13.76	23.782	30.00

ESY10I1E
ANT A, B

FCC Maximum Conducted Output Power (Within 5150-5250MHz band) RF Output Power(dBm)											
Channel	Setting	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					
50	11	11ax HE160	NSS1-MCS0	5250	3.94	3.44	6.71	0.00	4.685	6.71	24.00

FCC Maximum Conducted Output Power (Extends across 5250MHz band) RF Output Power(dBm)											
Channel	Setting	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					
50	11	11ax HE160	NSS1-MCS0	5250	3.26	3.30	6.29	0.00	4.256	6.29	24.00

Channel	Setting	Modulation Type	Data Rate	Frequency (MHz)	Avg Power Output (dBm)		Total Power
					ANT A	ANT B	(dBm)
Meter power (for full power)							
50	11	11ax HE160	NSS1-MCS0	5250	8.55	8.42	11.50

Note: Power Meter Average power is for reference only.



ESY10I1E

ANT A

FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)										
Channel	Setting	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					
144	16.5	11a	6M	5720	10.10	10.10	0.00	10.233	10.10	22.62

FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)										
Channel	Setting	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					
144	16.5	11a	6M	5720	2.39	2.39	0.00	1.734	2.39	30.00

Channel	Setting	Modulation Type	Data Rate	Frequency (MHz)	Avg Power Output (dBm)	Total Power
					ANT A	(dBm)
Meter power (for full power)						
Ch144	16.5	11a	6 Mbps	5720MHz	11.55	11.55

Note: Power Meter Average power is for reference only.



ESY10I1E

ANT B

FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)										
Channel	Setting	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 B					
144	21	11a	6M	5720	15.79	15.79	0.00	37.931	15.79	22.62

FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)										
Channel	Setting	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 B					
144	21	11a	6M	5720	8.15	8.15	0.00	6.531	8.15	30.00

Channel	Setting	Modulation Type	Data Rate	Frequency (MHz)	Avg Power Output (dBm)	Total Power
					ANT B	(dBm)
Meter power (for full power)						
Ch144	21	11a	6 Mbps	5720MHz	18.35	18.35

Note: Power Meter Average power is for reference only.



ESY10I1E

ANT A, B

FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)											
Channel	Setting	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					
144	16	11ax HE20	NSS1-MCS0	5720	9.14	11.80	13.68	0.00	23.339	13.68	22.92
142	16	11ax HE40	NSS1-MCS0	5710	9.81	12.04	14.08	0.00	25.568	14.08	24.00
138	16.5	11ax HE80	NSS1-MCS0	5690	10.72	12.65	14.80	0.00	30.211	14.80	24.00

FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)											
Channel	Setting	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					
144	16	11ax HE20	NSS1-MCS0	5720	2.20	5.10	6.90	0.00	4.896	6.90	30.00
142	16	11ax HE40	NSS1-MCS0	5710	-1.63	0.85	2.79	0.00	1.903	2.79	30.00
138	16.5	11ax HE80	NSS1-MCS0	5690	-5.01	-2.85	-0.79	0.00	0.834	-0.79	30.00

Channel	Setting	Modulation Type	Data Rate	Frequency (MHz)	Avg Power Output (dBm)		Total Power
					ANT A	ANT B	(dBm)
Meter power (for full power)							
Ch144	16	11ax HE20	NSS1-MCS0	5720MHz	10.82	13.81	15.58
Ch142	16	11ax HE40	NSS1-MCS0	5710MHz	11.03	13.54	15.47
Ch138	16.5	11ax HE80	NSS1-MCS0	5690MHz	11.42	13.85	15.81

Note: Power Meter Average power is for reference only.



ESY15I1E

ANT A

Modulation Type	Data Rate	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	17.5	36	5180	15.61	15.61	36.392	24.00
11a	6 Mbps	17.5	40	5200	15.73	15.73	37.411	24.00
11a	6 Mbps	21	48	5240	18.20	18.20	66.069	24.00
11a	6 Mbps	17.5	52	5260	15.27	15.27	33.651	23.91
11a	6 Mbps	17.5	60	5300	14.48	14.48	28.054	23.91
11a	6 Mbps	18	64	5320	14.73	14.73	29.717	23.86
11a	6 Mbps	17	100	5500	15.26	15.26	33.574	23.92
11a	6 Mbps	19	120	5600	16.01	16.01	39.902	23.96
11a	6 Mbps	16	140	5700	11.58	11.58	14.388	23.89
11a	6 Mbps	19.5	149	5745	13.97	13.97	24.946	30.00
11a	6 Mbps	21	157	5785	15.40	15.40	34.674	30.00
11a	6 Mbps	19.5	165	5825	13.35	13.35	21.627	30.00

ANT B

Modulation Type	Data Rate	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT B			
11a	6 Mbps	21	36	5180	19.09	19.09	81.096	24.00
11a	6 Mbps	21	40	5200	18.92	18.92	77.983	24.00
11a	6 Mbps	21	48	5240	18.26	18.26	66.988	24.00
11a	6 Mbps	21	52	5260	18.06	18.06	63.973	23.91
11a	6 Mbps	21	60	5300	17.85	17.85	60.954	23.91
11a	6 Mbps	21	64	5320	17.64	17.64	58.076	23.86
11a	6 Mbps	21	100	5500	17.20	17.20	52.481	23.92
11a	6 Mbps	20	120	5600	17.53	17.53	56.624	23.96
11a	6 Mbps	19	140	5700	17.41	17.41	55.081	23.89
11a	6 Mbps	20	149	5745	17.40	17.40	54.954	30.00
11a	6 Mbps	21	157	5785	17.57	17.57	57.148	30.00
11a	6 Mbps	21	165	5825	17.25	17.25	53.088	30.00

ESY15I1E
ANT A, B

Modulation Type	Data Rate	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)		Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B			
11ax HE20	NSS1-MCS0	16	36	5180	14.26	13.93	17.11	51.386	24.00
11ax HE20	NSS1-MCS0	17	40	5200	15.20	14.95	18.09	64.374	24.00
11ax HE20	NSS1-MCS0	17.5	48	5240	14.85	15.11	17.99	62.983	24.00
11ax HE40	NSS1-MCS0	14.5	38	5190	12.55	12.11	15.35	34.244	24.00
11ax HE40	NSS1-MCS0	17	46	5230	14.64	14.22	17.45	55.531	24.00
11ax HE80	NSS1-MCS0	13.5	42	5210	10.78	10.47	13.64	23.110	24.00
11ax HE20	NSS1-MCS0	19	52	5260	15.69	16.78	19.28	84.711	24.00
11ax HE20	NSS1-MCS0	17	60	5300	14.03	13.56	16.81	47.992	24.00
11ax HE20	NSS1-MCS0	15	64	5320	11.78	11.21	14.51	28.279	24.00
11ax HE40	NSS1-MCS0	18	54	5270	14.80	14.56	17.69	58.775	24.00
11ax HE40	NSS1-MCS0	15	62	5310	11.36	11.01	14.20	26.296	24.00
11ax HE80	NSS1-MCS0	14.5	58	5290	10.76	10.69	13.74	23.634	24.00
11ax HE20	NSS1-MCS0	15	100	5500	13.21	10.83	15.19	33.047	24.00
11ax HE20	NSS1-MCS0	17.5	120	5600	14.43	14.77	17.61	57.725	24.00
11ax HE20	NSS1-MCS0	14	140	5700	9.43	12.09	13.97	24.951	24.00
11ax HE40	NSS1-MCS0	14	102	5510	11.78	9.38	13.75	23.736	24.00
11ax HE40	NSS1-MCS0	18	118	5590	15.09	14.70	17.91	61.797	24.00
11ax HE40	NSS1-MCS0	15.5	134	5670	11.47	13.24	15.45	35.114	24.00
11ax HE80	NSS1-MCS0	13	106	5530	10.01	8.36	12.27	16.878	24.00
11ax HE80	NSS1-MCS0	16.5	122	5610	13.11	13.05	16.09	40.648	24.00
11ax HE160	NSS1-MCS0	11.5	114	5570	8.88	7.76	11.37	13.697	24.00
11ax HE20	NSS1-MCS0	17	149	5745	11.56	14.55	16.32	42.832	30.00
11ax HE20	NSS1-MCS0	17	157	5785	11.10	13.76	15.64	36.651	30.00
11ax HE20	NSS1-MCS0	16.5	165	5825	10.47	12.39	14.55	28.481	30.00
11ax HE40	NSS1-MCS0	16.5	151	5755	10.67	13.49	15.32	34.004	30.00
11ax HE40	NSS1-MCS0	17.5	159	5795	11.60	13.93	15.93	39.172	30.00
11ax HE80	NSS1-MCS0	15.5	155	5775	9.08	11.88	13.71	23.508	30.00



ESY15I1E

ANT A, B

FCC Maximum Conducted Output Power (Within 5150-5250MHz band) RF Output Power(dBm)											
Channel	Setting	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					
50	11	11ax HE160	NSS1-MCS0	5250	3.84	3.36	6.62	0.00	4.589	6.62	24.00

FCC Maximum Conducted Output Power (Extends across 5250MHz band) RF Output Power(dBm)											
Channel	Setting	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					
50	11	11ax HE160	NSS1-MCS0	5250	3.17	3.20	6.20	0.00	4.164	6.20	24.00

Channel	Setting	Modulation Type	Data Rate	Frequency (MHz)	Avg Power Output (dBm)		Total Power
					ANT A	ANT B	(dBm)
Meter power (for full power)							
50	11	11ax HE160	NSS1-MCS0	5250	8.42	8.34	11.39

Note: Power Meter Average power is for reference only.



ESY15I1E

ANT A

FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)										
Channel	Setting	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					
144	16.5	11a	6M	5720	9.95	9.95	0.00	9.886	9.95	22.62

FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)										
Channel	Setting	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					
144	16.5	11a	6M	5720	2.19	2.19	0.00	1.656	2.19	30.00

Channel	Setting	Modulation Type	Data Rate	Frequency (MHz)	Avg Power Output (dBm)	Total Power
					ANT A	(dBm)
Meter power (for full power)						
Ch144	16.5	11a	6 Mbps	5720MHz	11.48	11.48

Note: Power Meter Average power is for reference only.



ESY15I1E

ANT B

FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)										
Channel	Setting	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 B					
144	21	11a	6M	5720	15.99	15.99	0.00	39.719	15.99	22.62

FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)										
Channel	Setting	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 B					
144	21	11a	6M	5720	8.27	8.27	0.00	6.714	8.27	30.00

Channel	Setting	Modulation Type	Data Rate	Frequency (MHz)	Avg Power Output (dBm)	Total Power
					ANT B	(dBm)
Meter power (for full power)						
Ch144	21	11a	6 Mbps	5720MHz	18.41	18.41

Note: Power Meter Average power is for reference only.



ESY15I1E

ANT A, B

FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)											
Channel	Setting	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					
144	16	11ax HE20	NSS1-MCS0	5720	9.19	11.88	13.75	0.00	23.716	13.75	22.85
142	16	11ax HE40	NSS1-MCS0	5710	9.86	12.13	14.15	0.00	26.013	14.15	24.00
138	16.5	11ax HE80	NSS1-MCS0	5690	10.60	12.67	14.77	0.00	29.974	14.77	24.00

FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)											
Channel	Setting	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					
144	16	11ax HE20	NSS1-MCS0	5720	2.25	5.23	7.00	0.00	5.013	7.00	30.00
142	16	11ax HE40	NSS1-MCS0	5710	-1.53	0.93	2.88	0.00	1.942	2.88	30.00
138	16.5	11ax HE80	NSS1-MCS0	5690	-5.13	-2.88	-0.85	0.00	0.822	-0.85	30.00

Channel	Setting	Modulation Type	Data Rate	Frequency (MHz)	Avg Power Output (dBm)		Total Power
					ANT A	ANT B	(dBm)
Meter power (for full power)							
Ch144	16	11ax HE20	NSS1-MCS0	5720MHz	10.89	13.89	15.65
Ch142	16	11ax HE40	NSS1-MCS0	5710MHz	11.15	13.58	15.54
Ch138	16.5	11ax HE80	NSS1-MCS0	5690MHz	11.57	13.89	15.89

Note: Power Meter Average power is for reference only.



ESY22I1E

ANT A

Modulation Type	Data Rate	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	17.5	36	5180	15.62	15.62	36.475	24.00
11a	6 Mbps	17.5	40	5200	15.76	15.76	37.670	24.00
11a	6 Mbps	21	48	5240	18.23	18.23	66.527	24.00
11a	6 Mbps	17.5	52	5260	15.35	15.35	34.277	23.90
11a	6 Mbps	17.5	60	5300	14.62	14.62	28.973	23.84
11a	6 Mbps	18	64	5320	14.85	14.85	30.549	23.92
11a	6 Mbps	17	100	5500	15.39	15.39	34.594	23.90
11a	6 Mbps	19	120	5600	16.03	16.03	40.087	23.92
11a	6 Mbps	16	140	5700	11.71	11.71	14.825	23.90
11a	6 Mbps	19.5	149	5745	14.01	14.01	25.177	30.00
11a	6 Mbps	21	157	5785	15.63	15.63	36.559	30.00
11a	6 Mbps	19.5	165	5825	13.38	13.38	21.777	30.00

ANT B

Modulation Type	Data Rate	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT B			
11a	6 Mbps	17.5	36	5180	15.81	15.81	38.107	24.00
11a	6 Mbps	17.5	40	5200	15.76	15.76	37.670	24.00
11a	6 Mbps	21	48	5240	18.05	18.05	63.826	24.00
11a	6 Mbps	17.5	52	5260	14.51	14.51	28.249	23.90
11a	6 Mbps	17.5	60	5300	14.26	14.26	26.669	23.84
11a	6 Mbps	18	64	5320	14.55	14.55	28.510	23.92
11a	6 Mbps	17	100	5500	12.94	12.94	19.679	23.90
11a	6 Mbps	19	120	5600	16.58	16.58	45.499	23.92
11a	6 Mbps	16	140	5700	14.03	14.03	25.293	23.90
11a	6 Mbps	19.5	149	5745	16.63	16.63	46.026	30.00
11a	6 Mbps	21	157	5785	17.23	17.23	52.845	30.00
11a	6 Mbps	19.5	165	5825	15.42	15.42	34.834	30.00



ESY22I1E

ANT A, B

Modulation Type	Data Rate	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)		Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B			
11ax HE20	NSS1-MCS0	16	36	5180	14.15	14.08	17.13	51.587	24.00
11ax HE20	NSS1-MCS0	17	40	5200	15.08	15.01	18.06	63.906	24.00
11ax HE20	NSS1-MCS0	17.5	48	5240	14.89	15.14	18.03	63.491	24.00
11ax HE40	NSS1-MCS0	14.5	38	5190	12.47	12.10	15.30	33.878	24.00
11ax HE40	NSS1-MCS0	17	46	5230	14.52	14.18	17.36	54.496	24.00
11ax HE80	NSS1-MCS0	13.5	42	5210	10.69	10.38	13.55	22.636	24.00
11ax HE20	NSS1-MCS0	19	52	5260	16.63	15.95	19.31	85.381	24.00
11ax HE20	NSS1-MCS0	17	60	5300	14.09	13.60	16.86	48.554	24.00
11ax HE20	NSS1-MCS0	15	64	5320	11.81	11.25	14.55	28.506	24.00
11ax HE40	NSS1-MCS0	18	54	5270	14.53	14.26	17.41	55.048	24.00
11ax HE40	NSS1-MCS0	15	62	5310	11.18	10.89	14.05	25.396	24.00
11ax HE80	NSS1-MCS0	14.5	58	5290	10.68	10.52	13.61	22.967	24.00
11ax HE20	NSS1-MCS0	15	100	5500	13.05	11.15	15.21	33.215	24.00
11ax HE20	NSS1-MCS0	17.5	120	5600	14.77	13.89	17.36	54.482	24.00
11ax HE20	NSS1-MCS0	14	140	5700	9.51	11.95	13.91	24.601	24.00
11ax HE40	NSS1-MCS0	14	102	5510	11.62	9.27	13.61	22.974	24.00
11ax HE40	NSS1-MCS0	18	118	5590	14.93	14.58	17.77	59.825	24.00
11ax HE40	NSS1-MCS0	15.5	134	5670	11.29	13.08	15.29	33.782	24.00
11ax HE80	NSS1-MCS0	13	106	5530	9.89	8.23	12.15	16.403	24.00
11ax HE80	NSS1-MCS0	16.5	122	5610	13.02	12.93	15.99	39.678	24.00
11ax HE160	NSS1-MCS0	11.5	114	5570	8.72	7.55	11.18	13.136	24.00
11ax HE20	NSS1-MCS0	17	149	5745	11.38	14.42	16.17	41.410	30.00
11ax HE20	NSS1-MCS0	17	157	5785	10.88	13.56	15.43	34.945	30.00
11ax HE20	NSS1-MCS0	16.5	165	5825	10.23	12.19	14.33	27.102	30.00
11ax HE40	NSS1-MCS0	16.5	151	5755	10.54	13.31	15.15	32.753	30.00
11ax HE40	NSS1-MCS0	17.5	159	5795	11.22	13.82	15.72	37.342	30.00
11ax HE80	NSS1-MCS0	15.5	155	5775	8.89	11.74	13.56	22.673	30.00

ESY22I1E
ANT A, B

FCC Maximum Conducted Output Power (Within 5150-5250MHz band) RF Output Power(dBm)											
Channel	Setting	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					
50	11	11ax HE160	NSS1-MCS0	5250	3.75	3.38	6.58	0.00	4.549	6.58	24.00

FCC Maximum Conducted Output Power (Extends across 5250MHz band) RF Output Power(dBm)											
Channel	Setting	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					
50	11	11ax HE160	NSS1-MCS0	5250	3.05	2.93	6.00	0.00	3.982	6.00	24.00

Channel	Setting	Modulation Type	Data Rate	Frequency (MHz)	Avg Power Output (dBm)		Total Power
					ANT A	ANT B	(dBm)
Meter power (for full power)							
50	11	11ax HE160	NSS1-MCS0	5250	8.26	8.22	11.25

Note: Power Meter Average power is for reference only.



ESY2211E

ANT A

FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)										
Channel	Setting	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					
144	16.5	11a	6M	5720	10.02	10.02	0.00	10.046	10.02	22.62

FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)										
Channel	Setting	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					
144	16.5	11a	6M	5720	2.25	2.25	0.00	1.679	2.25	30.00

Channel	Setting	Modulation Type	Data Rate	Frequency (MHz)	Avg Power Output (dBm)	Total Power
					ANT A	(dBm)
Meter power (for full power)						
Ch144	16.5	11a	6 Mbps	5720MHz	11.62	11.62

Note: Power Meter Average power is for reference only.



ESY2211E

ANT B

FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)										
Channel	Setting	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 B					
144	16.5	11a	6M	5720	9.55	9.55	0.00	9.016	9.55	22.62

FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)										
Channel	Setting	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 B					
144	16.5	11a	6M	5720	1.74	1.74	0.00	1.493	1.74	30.00

Channel	Setting	Modulation Type	Data Rate	Frequency (MHz)	Avg Power Output (dBm)	Total Power
					ANT B	(dBm)
Meter power (for full power)						
Ch144	16.5	11a	6 Mbps	5720MHz	14.2	14.20

Note: Power Meter Average power is for reference only.



ESY2211E

ANT A, B

FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)											
Channel	Setting	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					
144	16	11ax HE20	NSS1-MCS0	5720	8.93	11.66	13.52	0.00	22.472	13.52	22.85
142	16	11ax HE40	NSS1-MCS0	5710	9.82	12.05	14.09	0.00	25.626	14.09	24.00
138	16.5	11ax HE80	NSS1-MCS0	5690	10.45	12.44	14.57	0.00	28.631	14.57	24.00

FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)											
Channel	Setting	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					
144	16	11ax HE20	NSS1-MCS0	5720	2.03	4.92	6.72	0.00	4.700	6.72	30.00
142	16	11ax HE40	NSS1-MCS0	5710	-1.60	0.83	2.79	0.00	1.902	2.79	30.00
138	16.5	11ax HE80	NSS1-MCS0	5690	-5.28	-3.12	-1.06	0.00	0.784	-1.06	30.00

Channel	Setting	Modulation Type	Data Rate	Frequency (MHz)	Avg Power Output (dBm)		Total Power
					ANT A	ANT B	(dBm)
Meter power (for full power)							
Ch144	16	11ax HE20	NSS1-MCS0	5720MHz	10.67	13.64	15.41
Ch142	16	11ax HE40	NSS1-MCS0	5710MHz	11.03	13.45	15.42
Ch138	16.5	11ax HE80	NSS1-MCS0	5690MHz	11.38	13.62	15.65

Note: Power Meter Average power is for reference only.



ESY10I1E

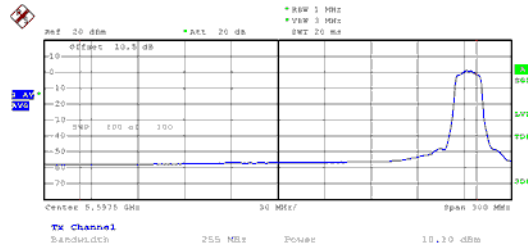
SISO

Within 5470-5725MHz Band, Straddle Channel

ANT A

Modulation Type: 802.11a

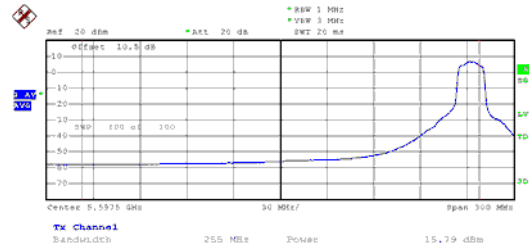
CH144



ANT B

Modulation Type: 802.11ax20

CH144



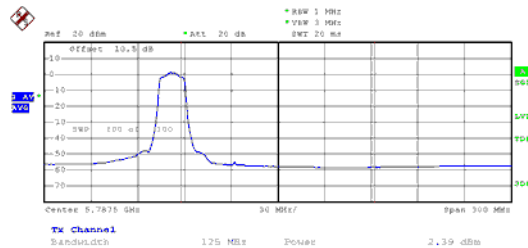
SISO

Extends across 5725MHz band, Straddle Channel

ANT A

Modulation Type: 802.11a

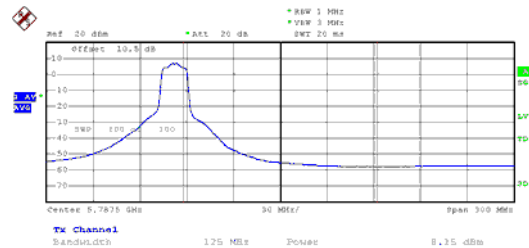
CH144



ANT B

Modulation Type: 802.11ax20

CH144





ESY1011E

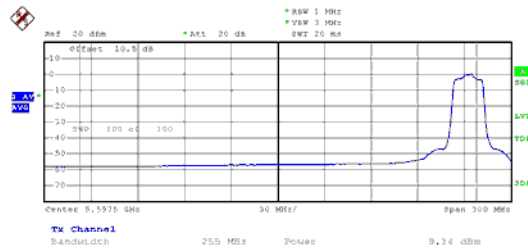
MIMO

Within 5470-5725MHz Band, Straddle Channel

ANT A

Modulation Type: 802.11ax20

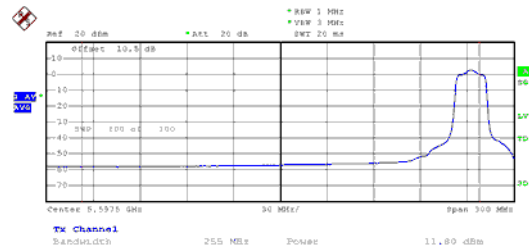
CH144



ANT B

Modulation Type: 802.11ax20

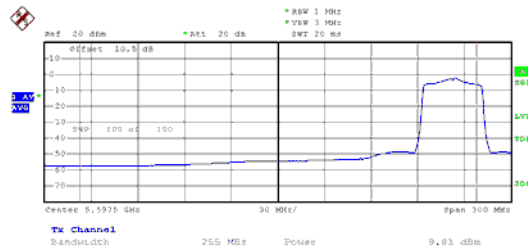
CH144



ANT A

Modulation Type: 802.11ax40

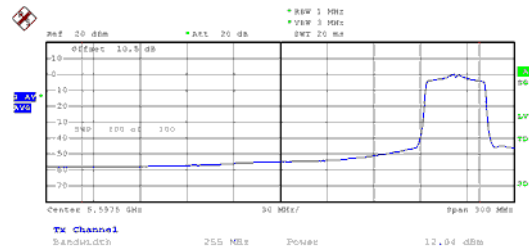
CH142



ANT B

Modulation Type: 802.11ax40

CH142





ESY10I1E

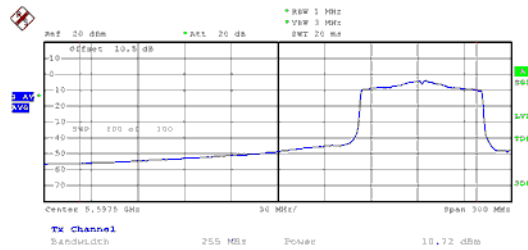
MIMO

Within 5470-5725MHz Band, Straddle Channel

ANT A

Modulation Type: 802.11ax80

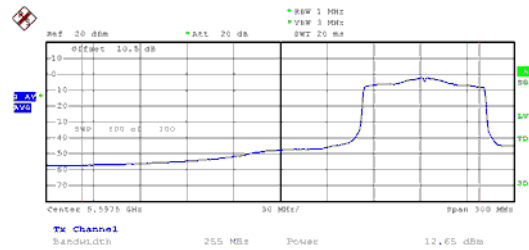
CH138



ANT B

Modulation Type: 802.11ax80

CH138





ESY1011E

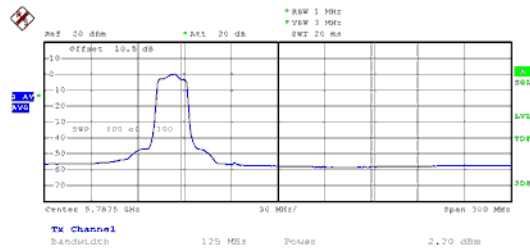
MIMO

Extends across 5725MHz band, Straddle Channel

ANT A

Modulation Type: 802.11ax20

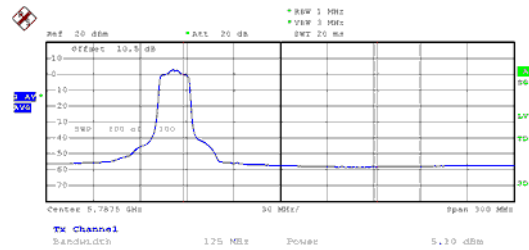
CH144



ANT B

Modulation Type: 802.11ax20

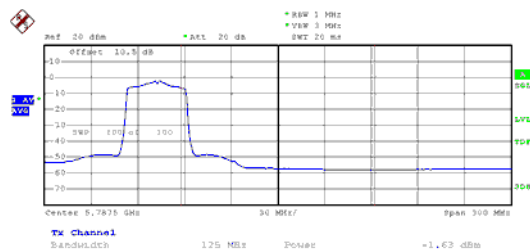
CH144



ANT A

Modulation Type: 802.11ax40

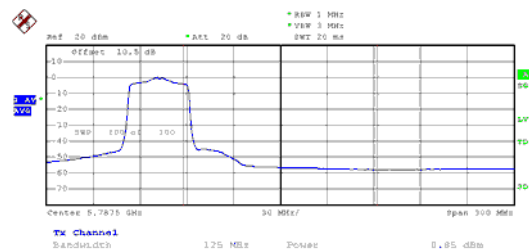
CH142



ANT B

Modulation Type: 802.11ax40

CH142





ESY10I1E

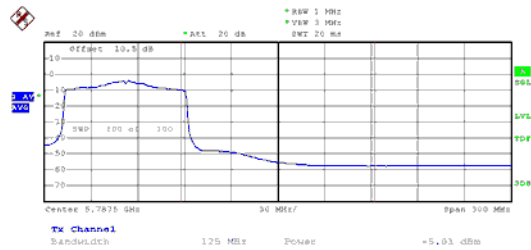
MIMO

Extends across 5725MHz band, Straddle Channel

ANT A

Modulation Type: 802.11ax80

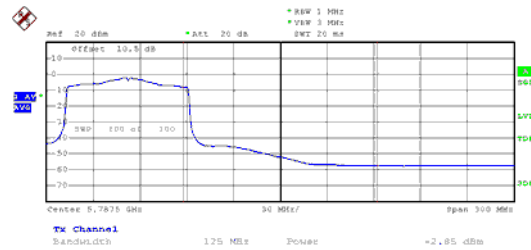
CH138



ANT B

Modulation Type: 802.11ax80

CH138





ESY10I1E

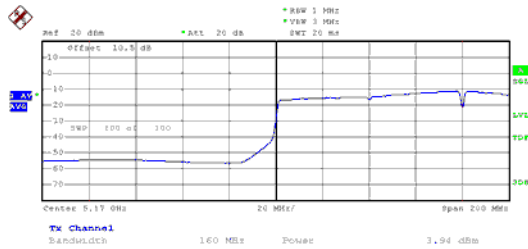
MIMO

Within 5150-5250MHz band

ANT A

Modulation Type: 802.11ax160

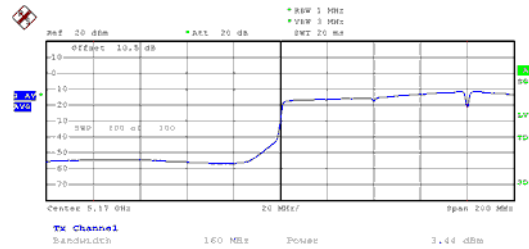
CH50



ANT B

Modulation Type: 802.11ax160

CH50



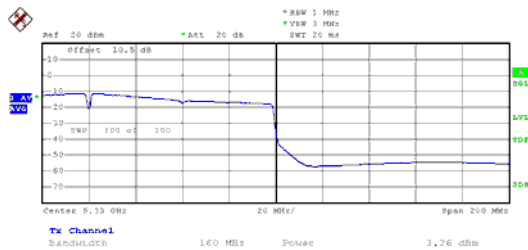
MIMO

Extends across 5250MHz band

ANT A

Modulation Type: 802.11ax160

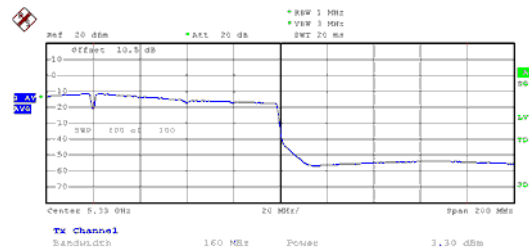
CH50



ANT B

Modulation Type: 802.11ax160

CH50





ESY15I1E

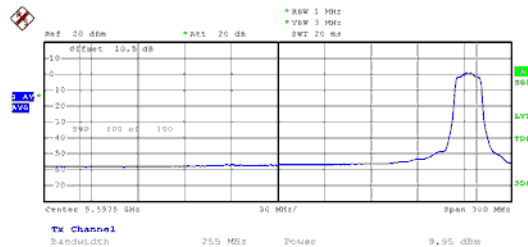
SISO

Within 5470-5725MHz Band, Straddle Channel

ANT A

Modulation Type: 802.11a

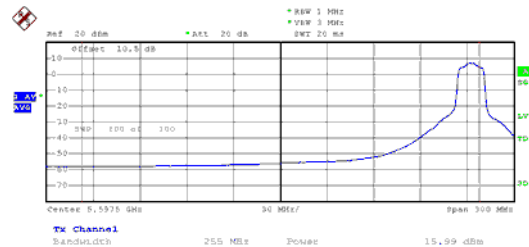
CH144



ANT B

Modulation Type: 802.11ax20

CH144



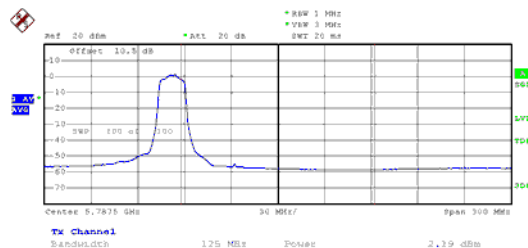
SISO

Extends across 5725MHz band, Straddle Channel

ANT A

Modulation Type: 802.11a

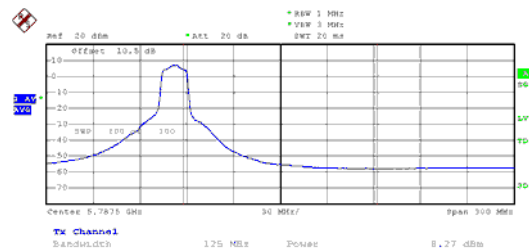
CH144



ANT B

Modulation Type: 802.11ax20

CH144





ESY15I1E

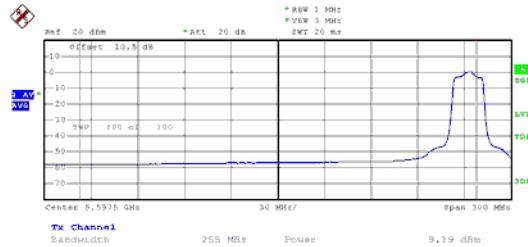
MIMO

Within 5470-5725MHz Band, Straddle Channel

ANT A

Modulation Type: 802.11ax20

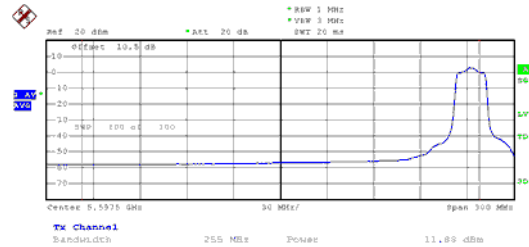
CH144



ANT B

Modulation Type: 802.11ax20

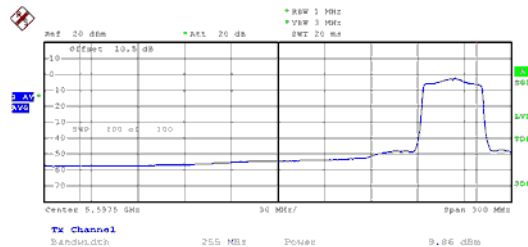
CH144



ANT A

Modulation Type: 802.11ax40

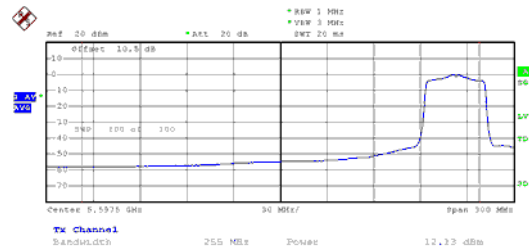
CH142



ANT B

Modulation Type: 802.11ax40

CH142





ESY15I1E

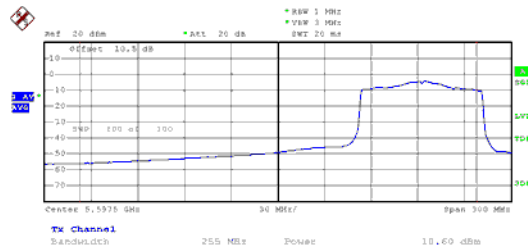
MIMO

Within 5470-5725MHz Band, Straddle Channel

ANT A

Modulation Type: 802.11ax80

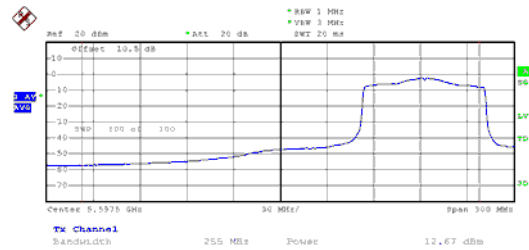
CH138



ANT B

Modulation Type: 802.11ax80

CH138





ESY15I1E

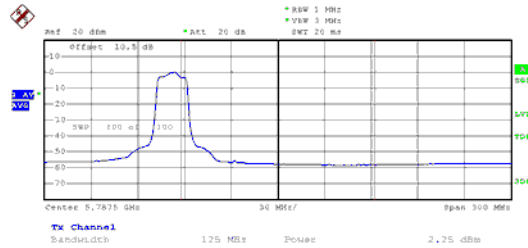
MIMO

Extends across 5725MHz band, Straddle Channel

ANT A

Modulation Type: 802.11ax20

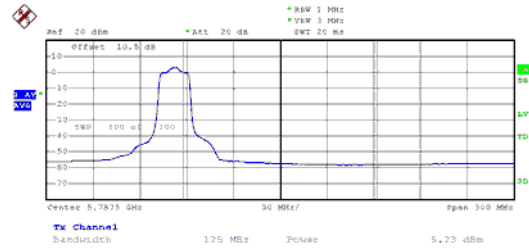
CH144



ANT B

Modulation Type: 802.11ax20

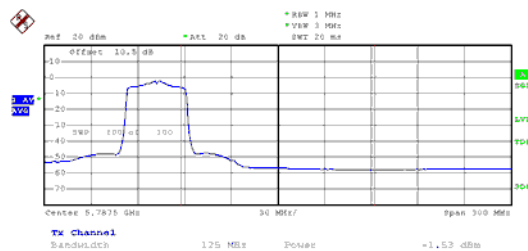
CH144



ANT A

Modulation Type: 802.11ax40

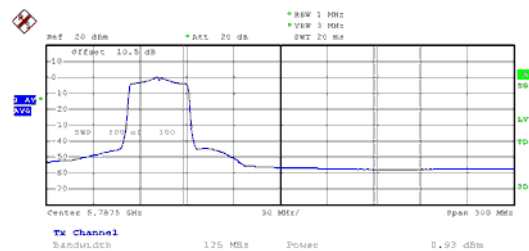
CH142



ANT B

Modulation Type: 802.11ax40

CH142





ESY15I1E

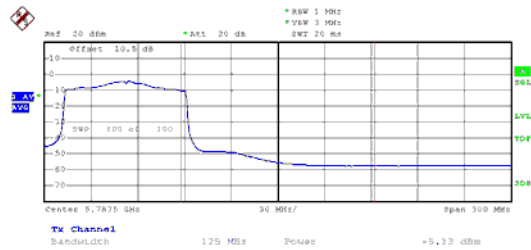
MIMO

Extends across 5725MHz band, Straddle Channel

ANT A

Modulation Type: 802.11ax80

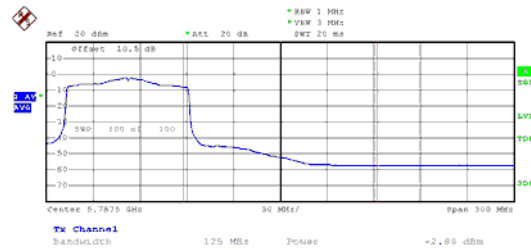
CH138



ANT B

Modulation Type: 802.11ax80

CH138





ESY15I1E

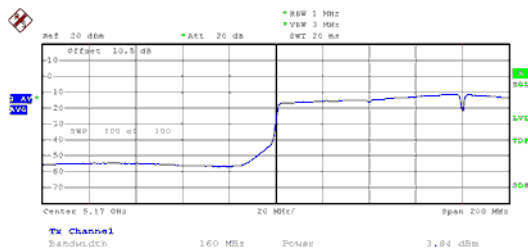
MIMO

Within 5150-5250MHz band

ANT A

Modulation Type: 802.11ax160

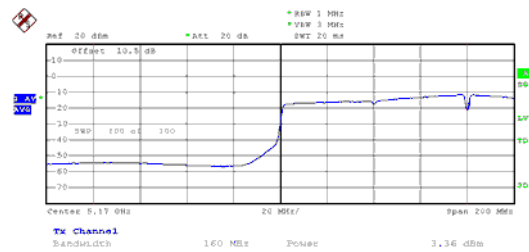
CH50



ANT B

Modulation Type: 802.11ax160

CH50



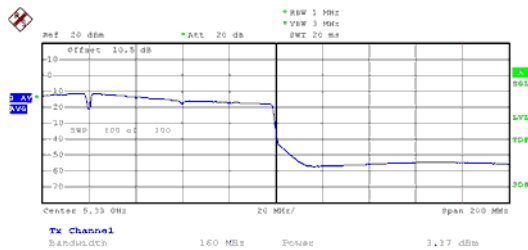
MIMO

Extends across 5250MHz band

ANT A

Modulation Type: 802.11ax160

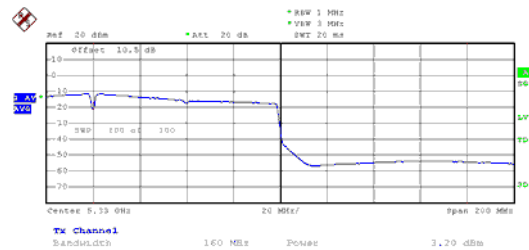
CH50



ANT B

Modulation Type: 802.11ax160

CH50





ESY2211E

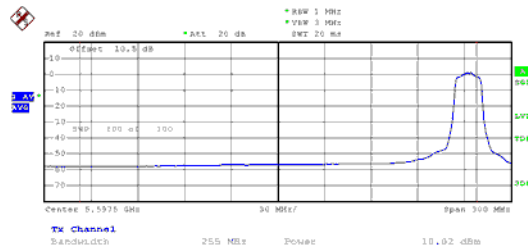
SISO

Within 5470-5725MHz Band, Straddle Channel

ANT A

Modulation Type: 802.11a

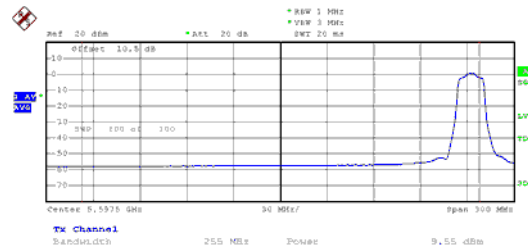
CH144



ANT B

Modulation Type: 802.11ax20

CH144



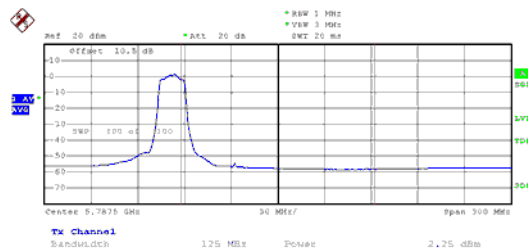
SISO

Extends across 5725MHz band, Straddle Channel

ANT A

Modulation Type: 802.11a

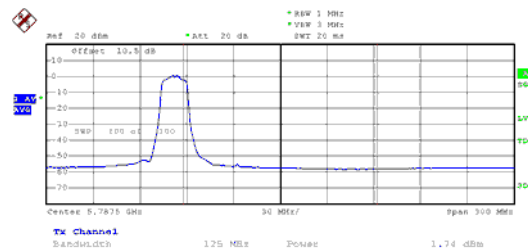
CH144



ANT B

Modulation Type: 802.11ax20

CH144





ESY2211E

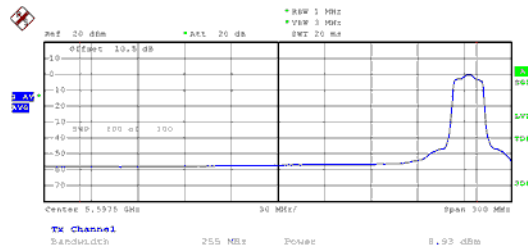
MIMO

Within 5470-5725MHz Band, Straddle Channel

ANT A

Modulation Type: 802.11ax20

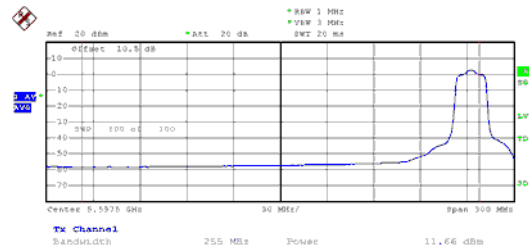
CH144



ANT B

Modulation Type: 802.11ax20

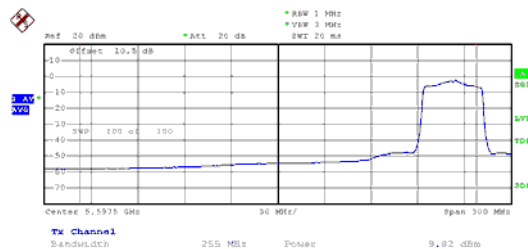
CH144



ANT A

Modulation Type: 802.11ax40

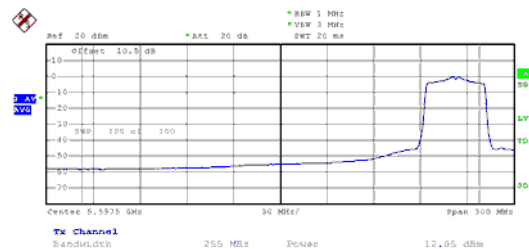
CH142



ANT B

Modulation Type: 802.11ax40

CH142





ESY2211E

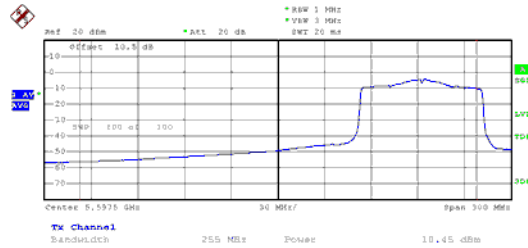
MIMO

Within 5470-5725MHz Band, Straddle Channel

ANT A

Modulation Type: 802.11ax80

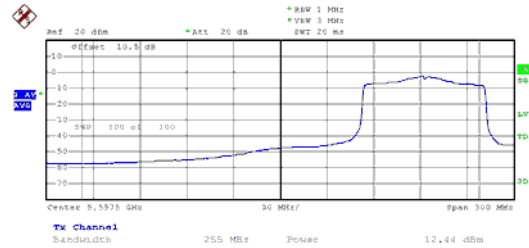
CH138



ANT B

Modulation Type: 802.11ax80

CH138





ESY2211E

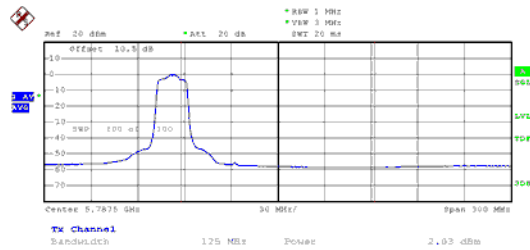
MIMO

Extends across 5725MHz band, Straddle Channel

ANT A

Modulation Type: 802.11ax20

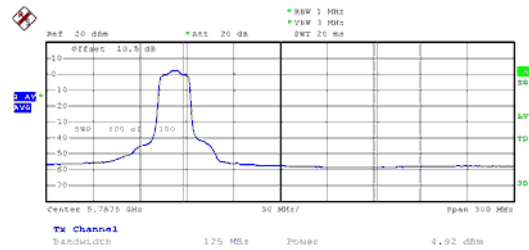
CH144



ANT B

Modulation Type: 802.11ax20

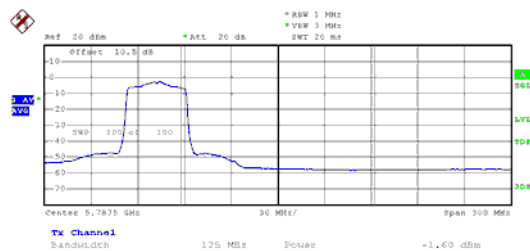
CH144



ANT A

Modulation Type: 802.11ax40

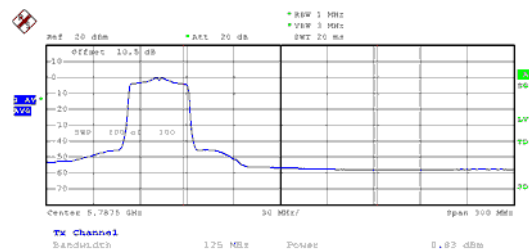
CH142



ANT B

Modulation Type: 802.11ax40

CH142





ESY2211E

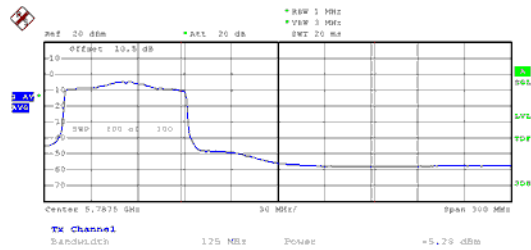
MIMO

Extends across 5725MHz band, Straddle Channel

ANT A

Modulation Type: 802.11ax80

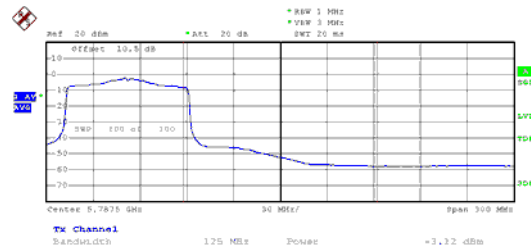
CH138



ANT B

Modulation Type: 802.11ax80

CH138





ESY22I1E

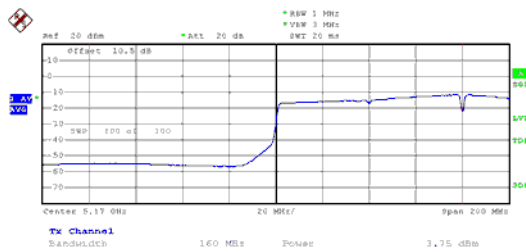
MIMO

Within 5150-5250MHz band

ANT A

Modulation Type: 802.11ax160

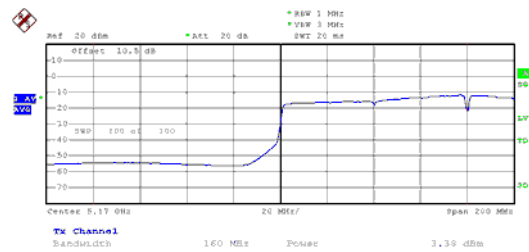
CH50



ANT B

Modulation Type: 802.11ax160

CH50



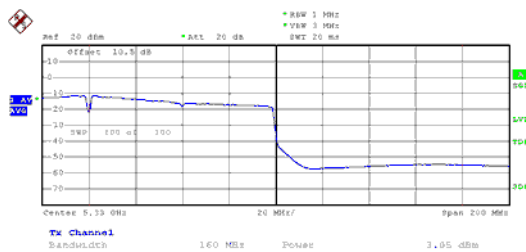
MIMO

Extends across 5250MHz band

ANT A

Modulation Type: 802.11ax160

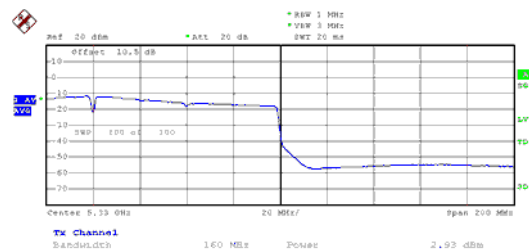
CH50



ANT B

Modulation Type: 802.11ax160

CH50





11. Power Spectral Density

11.1. Test Limit

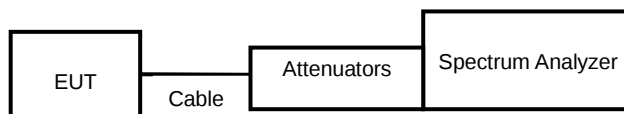
PSD:

Frequency Band		Limit
☒	5.15~5.25GHz	
	Operating Mode	
☐	Outdoor access point	17 dBm/MHz
☐	Indoor access point	17 dBm/MHz
☐	Fixed point-to-point access points	17 dBm/MHz
☒	Mobile and portable client devices	11 dBm/MHz
☒	5.725~5.85 GHz	11 dBm/MHz
☒	5.470-5.725 GHz	11 dBm/MHz
☒	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

SISO ANT A

In the 5.2G Band

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				
11a	36	5180	5.12	5.12	0.00	5.12	11.00
11a	40	5200	5.23	5.23	0.00	5.23	11.00
11a	48	5240	7.33	7.33	0.00	7.33	11.00

In the 5.3G Band

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				
11a	52	5260	3.80	3.80	0.00	3.80	11.00
11a	60	5300	4.13	4.13	0.00	4.13	11.00
11a	64	5320	4.16	4.16	0.00	4.16	11.00

In the 5.5G Band

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				
11a	100	5500	5.69	5.69	0.00	5.69	11.00
11a	120	5600	6.86	6.86	0.00	6.86	11.00
11a	140	5700	2.02	2.02	0.00	2.02	11.00
11a	144	5720	1.95	1.95	0.00	1.95	11.00

In the 5.8G Band

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					
11a	149	5745	4.48	4.48	0.00	-3.01	1.47	30.00
11a	157	5785	4.95	4.95	0.00	-3.01	1.94	30.00
11a	165	5825	3.36	3.36	0.00	-3.01	0.35	30.00

**MIMO****In the 5.2G Band**

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				
11ax HE20	36	5180	3.10	2.80	5.96	0.00	5.96	11.00
11ax HE20	40	5200	3.92	3.67	6.81	0.00	6.81	11.00
11ax HE20	48	5240	4.27	3.49	6.91	0.00	6.91	11.00
11ax HE40	38	5190	-1.19	-1.68	1.58	0.00	1.58	11.00
11ax HE40	46	5230	0.81	0.22	3.54	0.00	3.54	11.00
11ax HE80	42	5210	-5.44	-5.82	-2.62	0.00	-2.62	11.00

In the 5.3G Band

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				
11ax HE20	52	5260	4.45	4.14	7.31	0.00	7.31	11.00
11ax HE20	60	5300	3.00	2.30	5.67	0.00	5.67	11.00
11ax HE20	64	5320	0.67	-0.14	3.29	0.00	3.29	11.00
11ax HE40	54	5270	1.05	0.49	3.79	0.00	3.79	11.00
11ax HE40	62	5310	-2.59	-3.03	0.21	0.00	0.21	11.00
11ax HE80	58	5290	-5.48	-5.76	-2.61	0.00	-2.61	11.00

In the 5.5G Band

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				
11ax HE20	100	5500	2.79	0.68	4.87	0.00	4.87	11.00
11ax HE20	120	5600	4.87	4.87	7.88	0.00	7.88	11.00
11ax HE20	140	5700	-0.70	1.73	3.69	0.00	3.69	11.00
11ax HE20	144	5720	0.73	3.42	5.29	0.00	5.29	11.00
11ax HE40	102	5510	-0.99	-3.22	1.05	0.00	1.05	11.00
11ax HE40	118	5590	2.76	2.14	5.47	0.00	5.47	11.00
11ax HE40	134	5670	-1.45	0.25	2.49	0.00	2.49	11.00
11ax HE40	142	5710	-1.66	0.57	2.61	0.00	2.61	11.00
11ax HE80	106	5530	-5.05	-6.50	-2.70	0.00	-2.70	11.00
11ax HE80	122	5610	-1.52	-1.91	1.30	0.00	1.30	11.00
11ax HE80	138	5690	-3.63	-1.61	0.51	0.00	0.51	11.00
11ac HE160	114	5570	-8.73	-10.03	-6.32	0.00	-6.32	11.00



In the 5.8G Band

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					
11ax HE20	149	5745	1.30	3.90	5.80	0.00	-3.01	2.79	30.00
11ax HE20	157	5785	0.48	2.87	4.85	0.00	-3.01	1.84	30.00
11ax HE20	165	5825	-0.37	1.49	3.67	0.00	-3.01	0.66	30.00
11ax HE40	151	5755	-2.28	0.26	2.18	0.00	-3.01	-0.83	30.00
11ax HE40	159	5795	-1.83	0.51	2.51	0.00	-3.01	-0.50	30.00
11ax HE80	155	5775	-6.53	-3.89	-2.00	0.00	-3.01	-5.01	30.00

802.11ax(160)

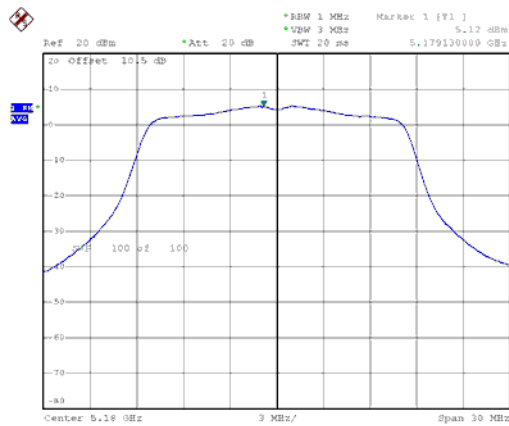
Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B				
11ac HE160	50	5210	-10.94	-10.99	-7.95	0.00	-7.95	11.00
11ac HE160		5290	-10.77	-11.29	-8.01	0.00	-8.01	11.00



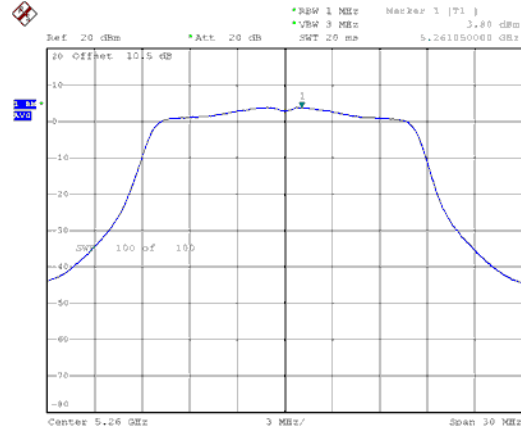
SISO ANT A

Modulation Type: 802.11a

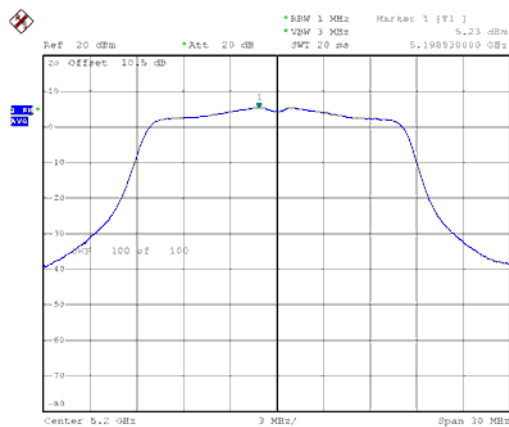
CH36



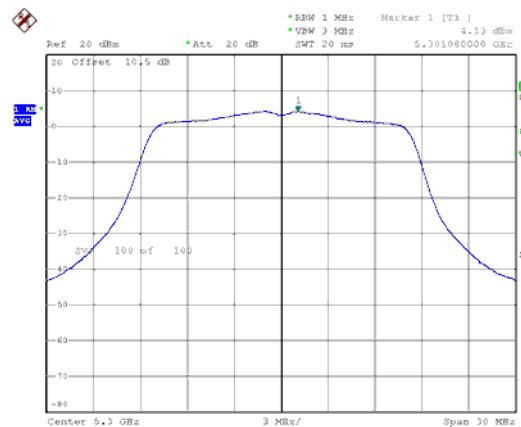
CH52



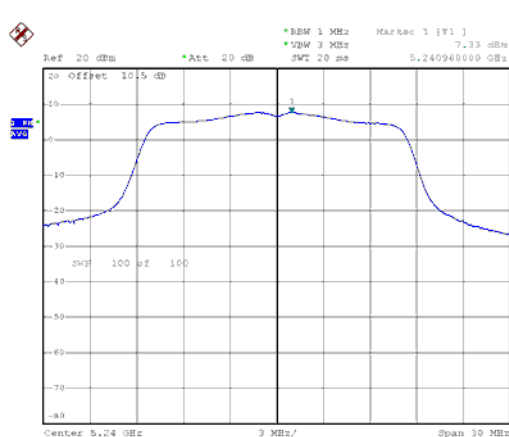
CH40



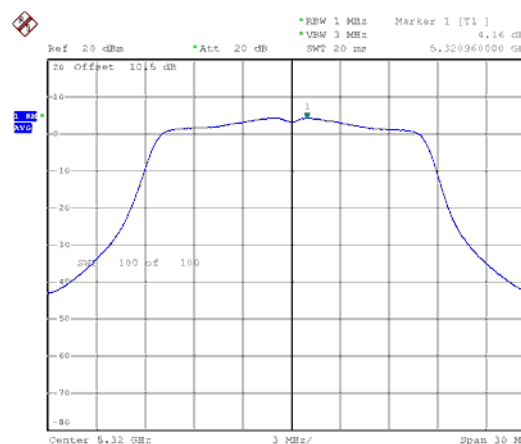
CH60

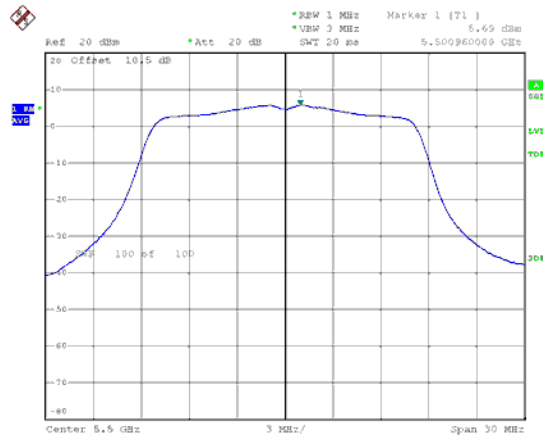


CH48

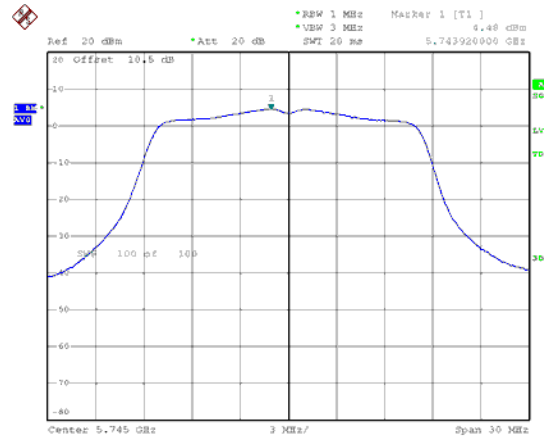


CH64

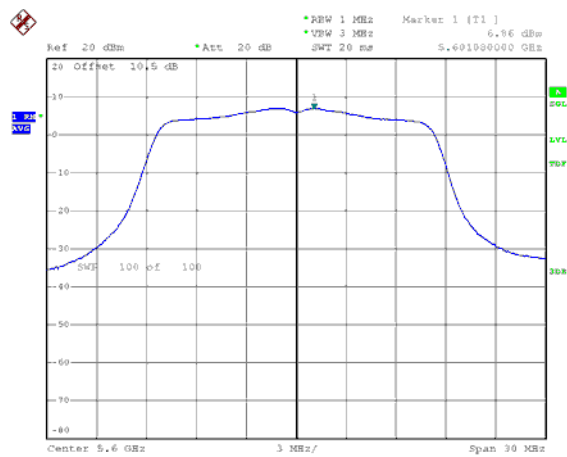


SISO ANT A
CH100

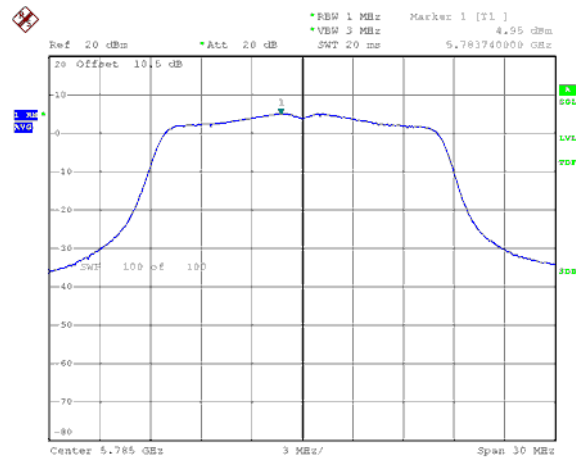
CH149



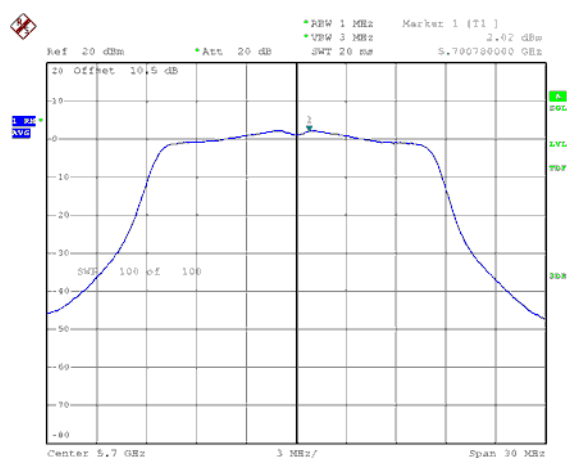
CH120



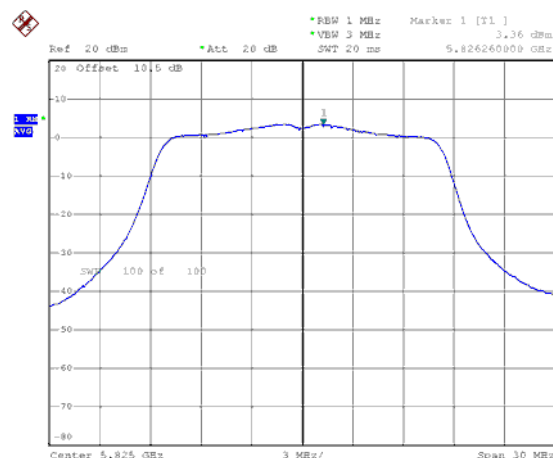
CH157



CH140

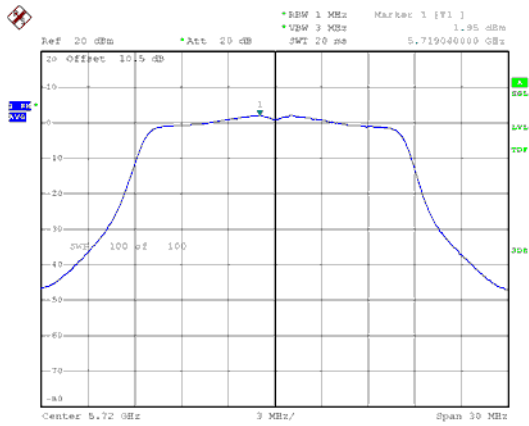


CH165



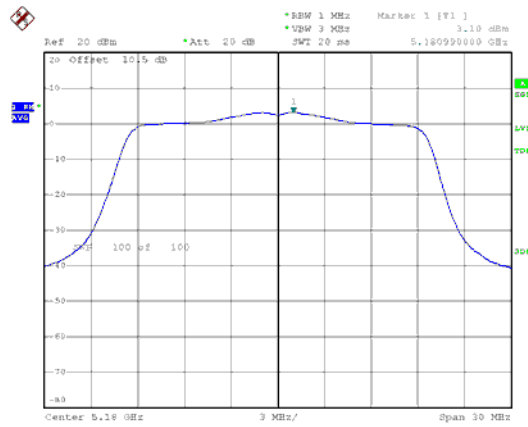


SISO ANT A
Modulation Type: 802.11a
CH144

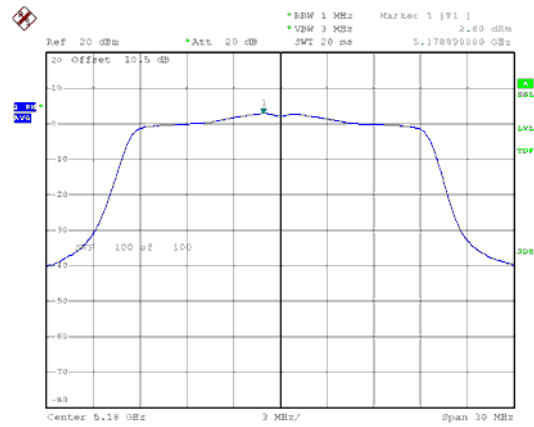




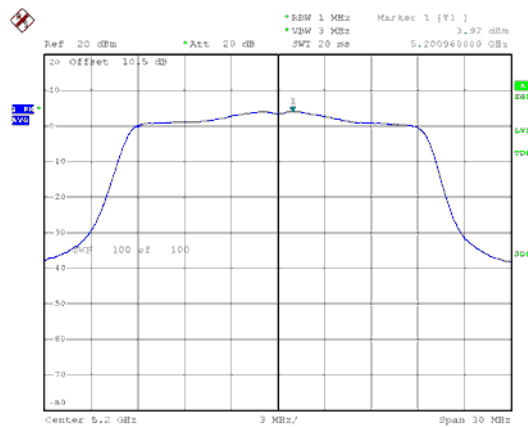
MIMO
ANT A
Modulation Type: 802.11ax20
CH36



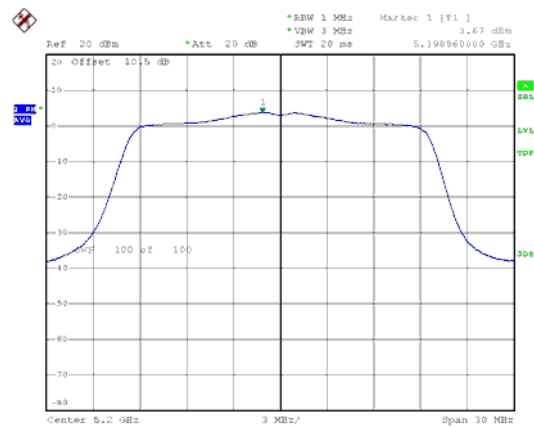
ANT B
Modulation Type: 802.11ax20
CH36



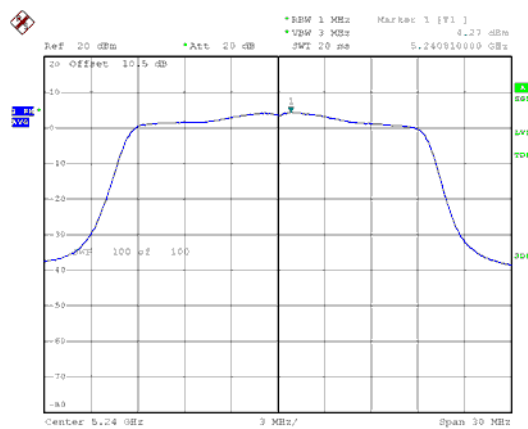
CH40



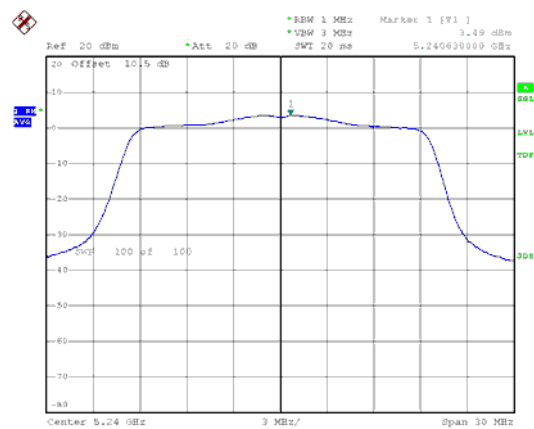
CH40



CH48

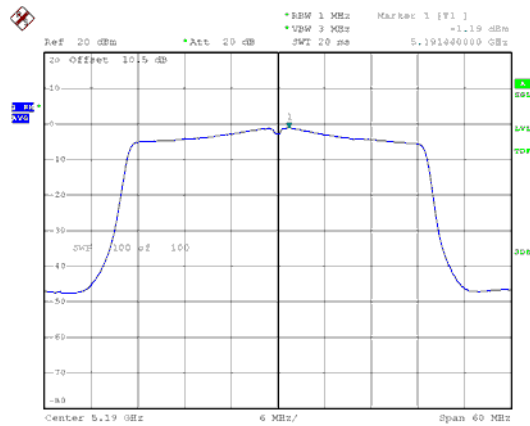


CH48

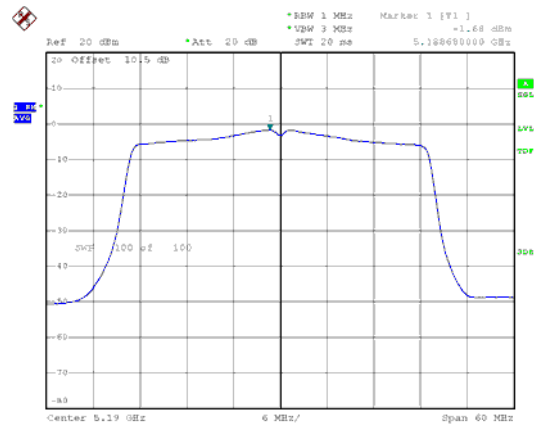




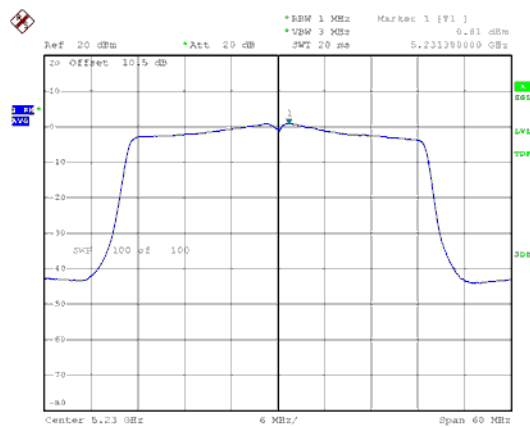
MIMO
ANT A
Modulation Type: 802.11ax40
CH38



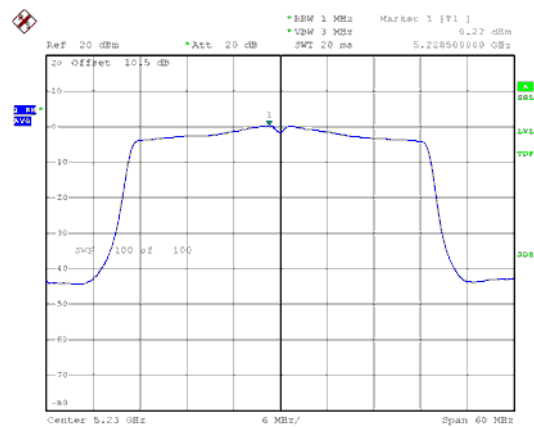
ANT B
Modulation Type: 802.11ax40
CH38



CH46

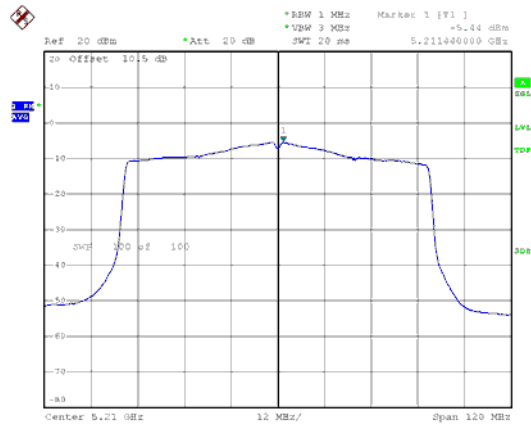


CH46

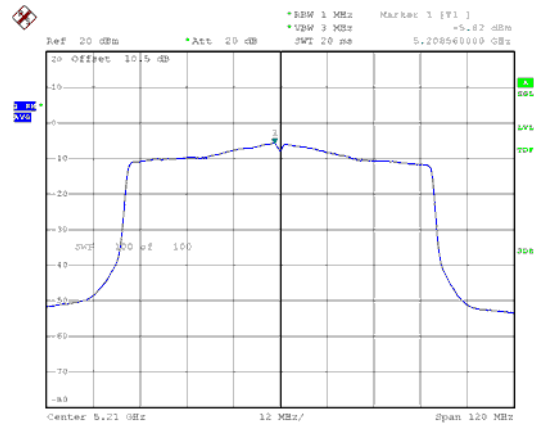




MIMO
ANT A
Modulation Type: 802.11ax80
CH42

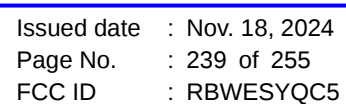
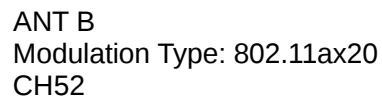


ANT B
Modulation Type: 802.11ax80
CH42



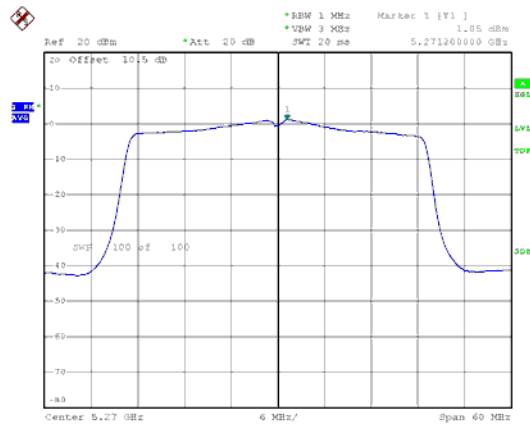


MIMO
ANT A
Modulation Type: 802.11ax20
CH52

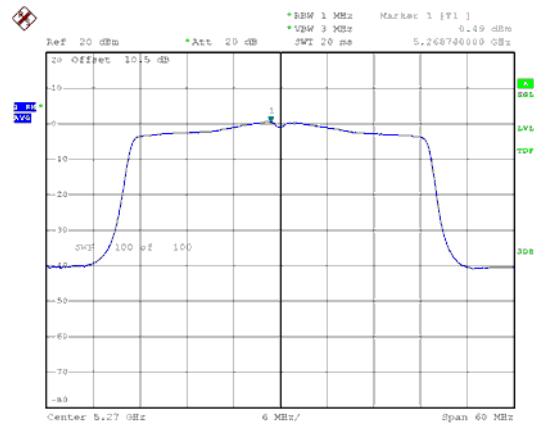




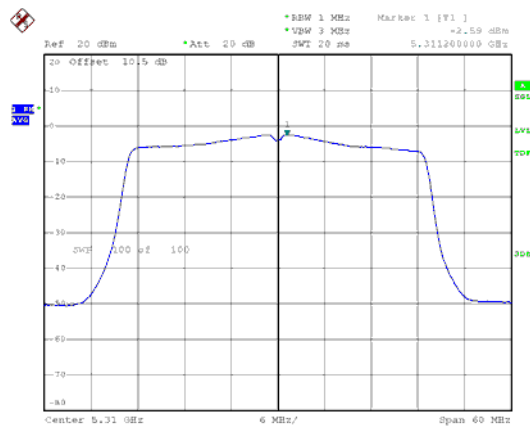
MIMO
ANT A
Modulation Type: 802.11ax40
CH54



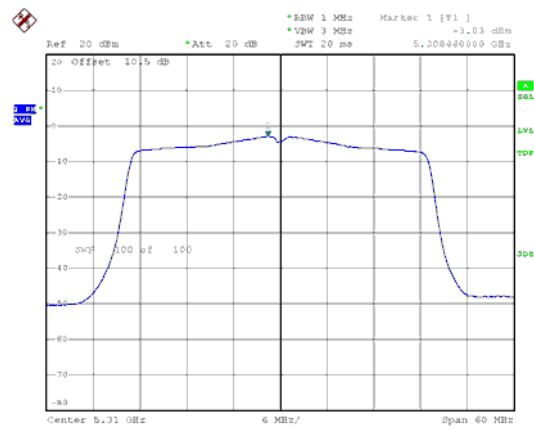
ANT B
Modulation Type: 802.11ax40
CH54



CH62

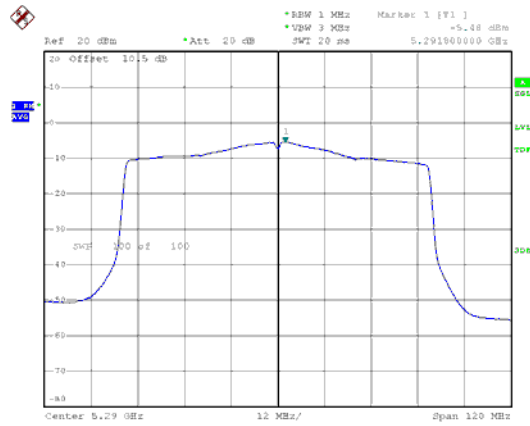


CH62

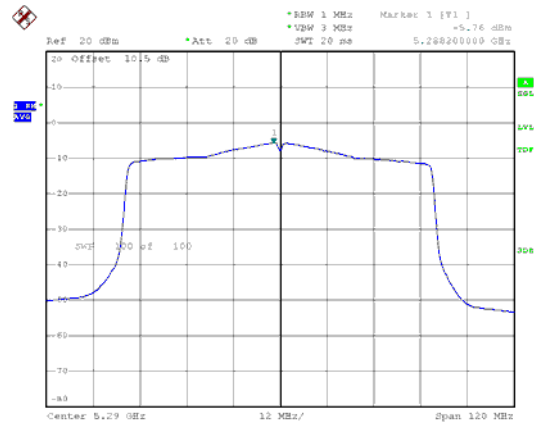




MIMO
ANT A
Modulation Type: 802.11ax80
CH58

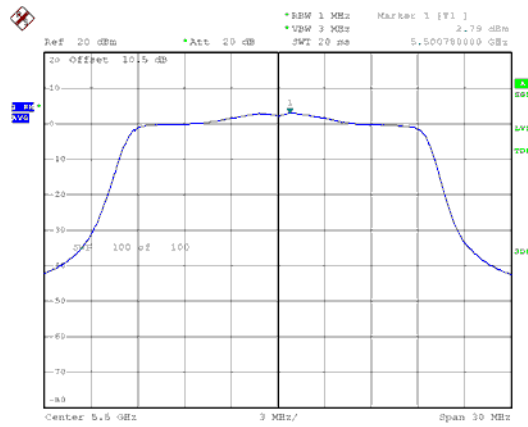


ANT B
Modulation Type: 802.11ax80
CH58

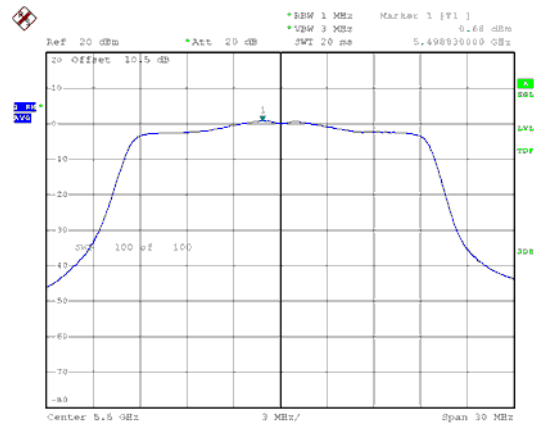




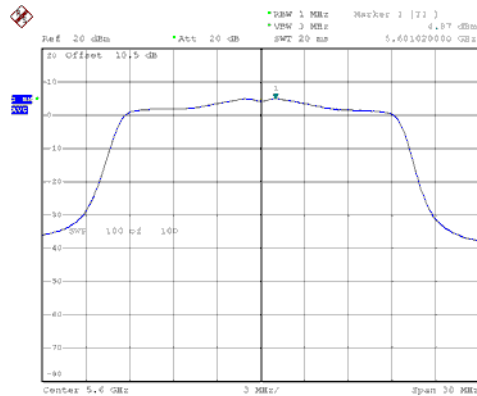
MIMO
ANT A
Modulation Type: 802.11ax20
CH100



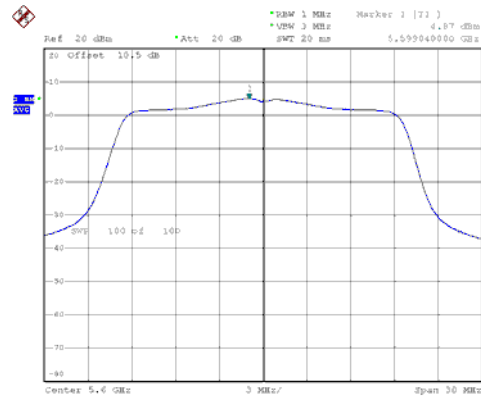
ANT A
Modulation Type: 802.11ax20
CH100



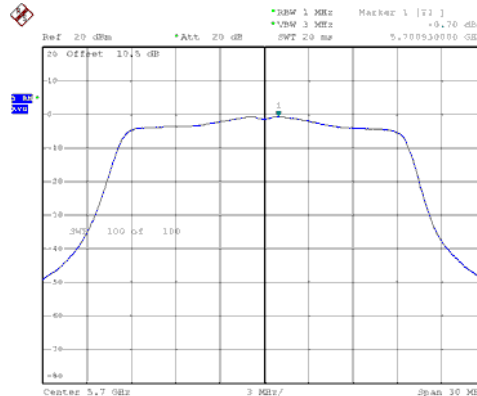
CH120



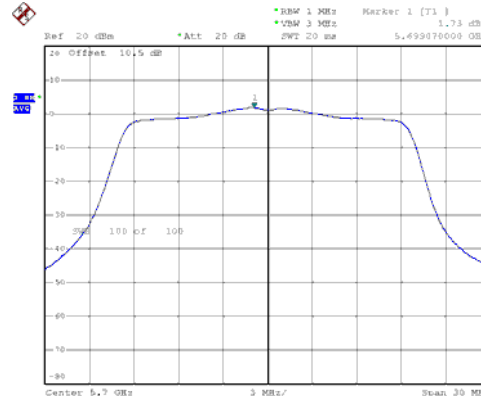
CH120



CH140

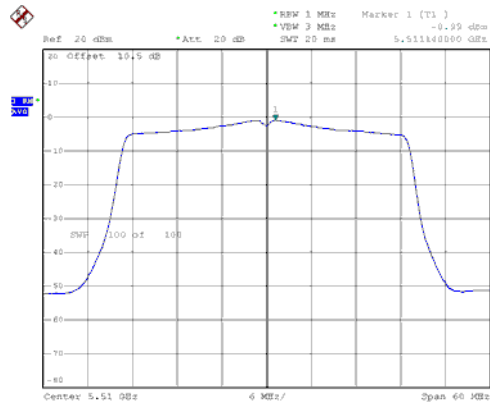


CH140

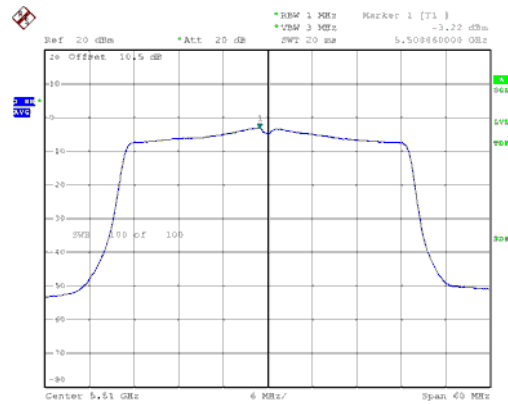




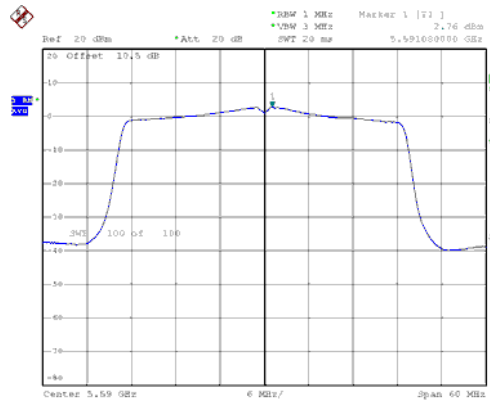
MIMO
ANT A
Modulation Type: 802.11ax40
CH102



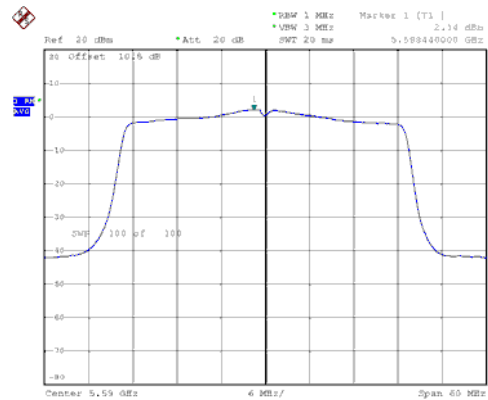
ANT B
Modulation Type: 802.11ax40
CH102



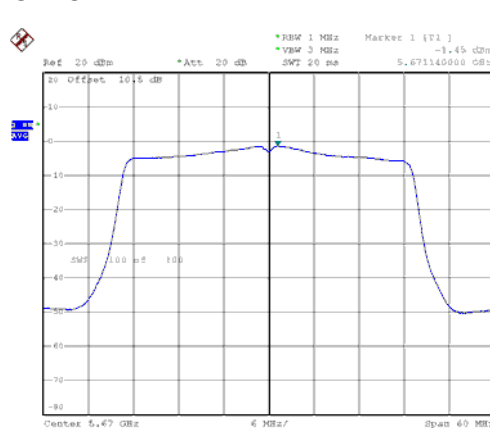
CH118



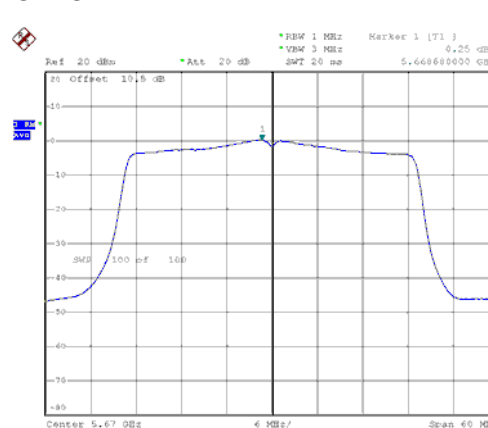
CH118



CH134

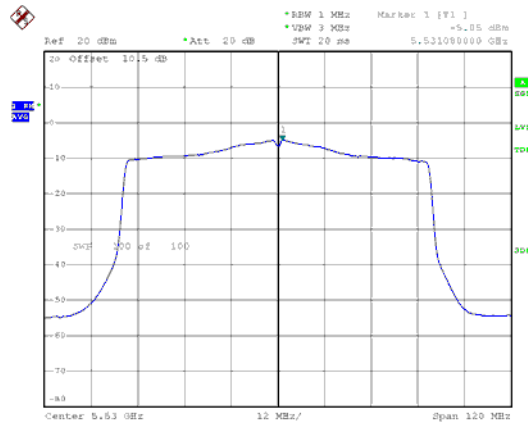


CH134

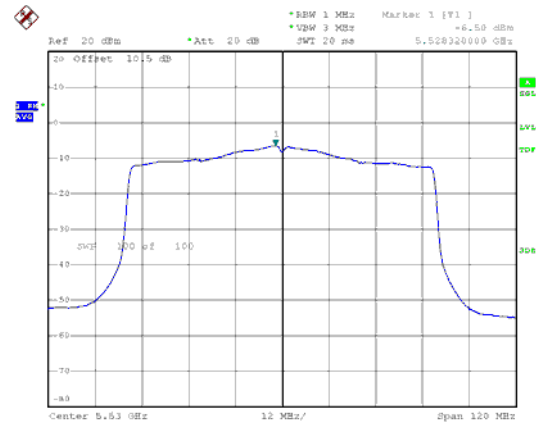




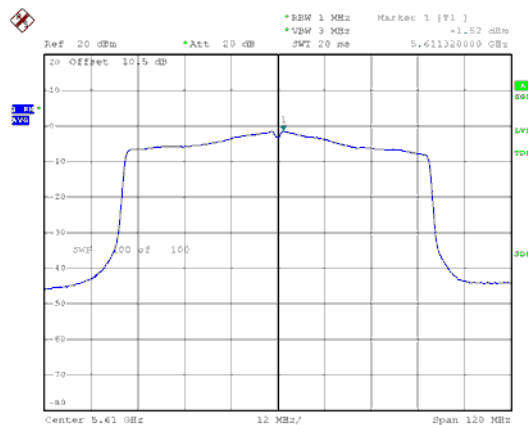
MIMO
ANT A
Modulation Type: 802.11ax80
CH106



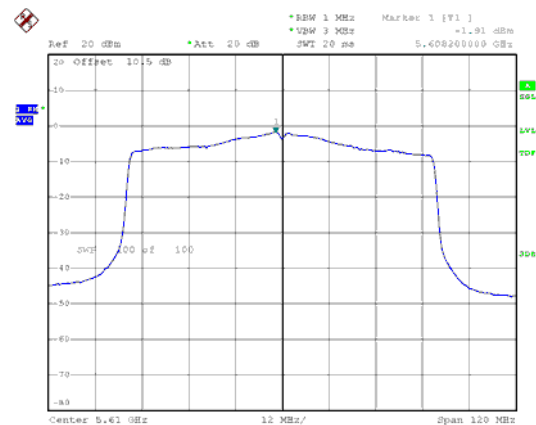
ANT B
Modulation Type: 802.11ax80
CH106



CH122

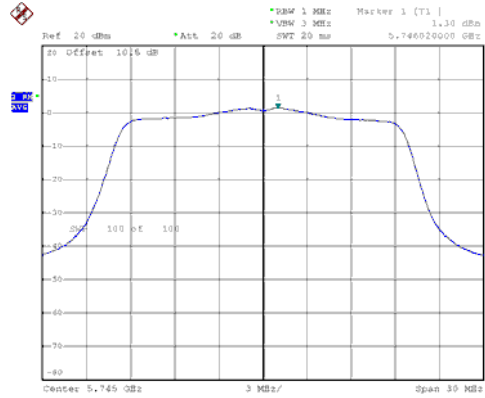


CH122

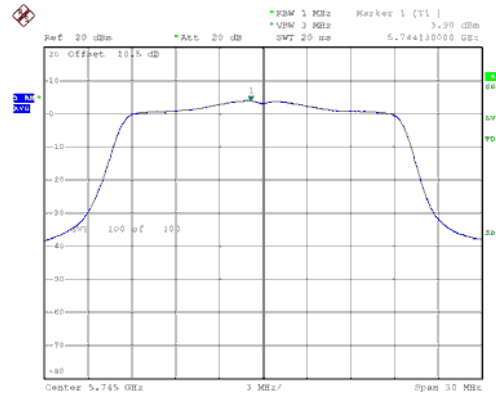




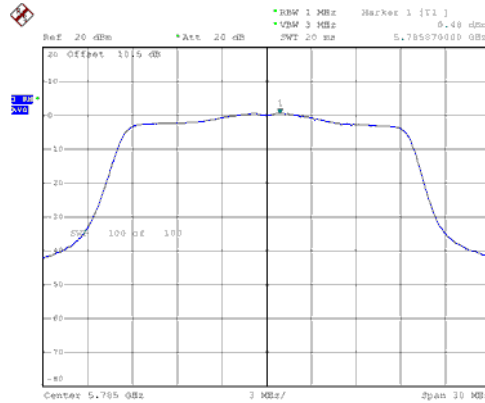
MIMO
ANT A
Modulation Type: 802.11ax20
CH149



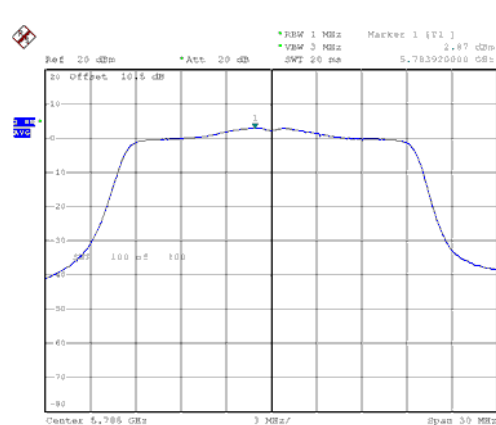
ANT B
Modulation Type: 802.11ax20
CH149



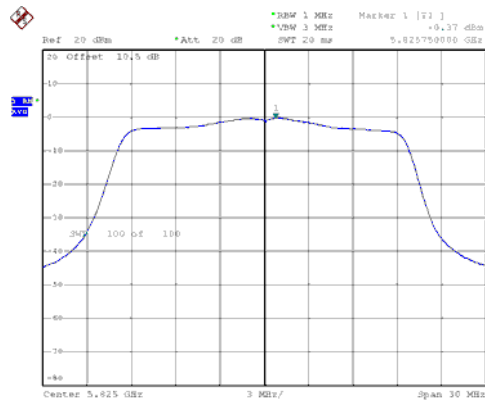
CH157



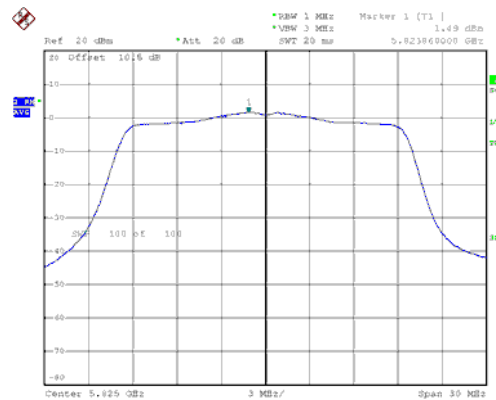
CH157



CH165

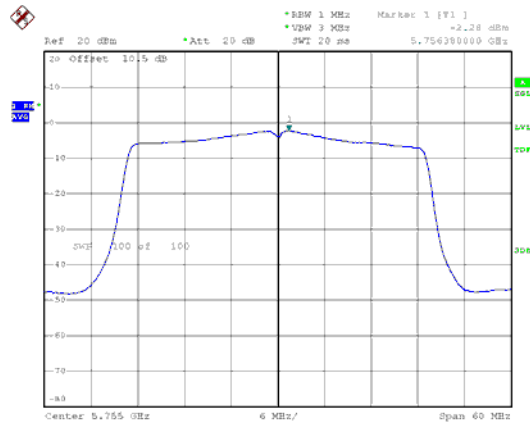


CH165

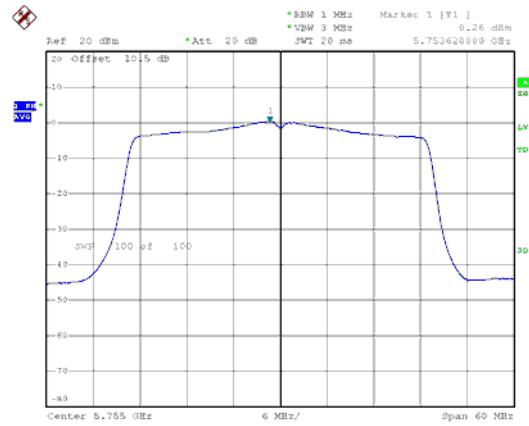




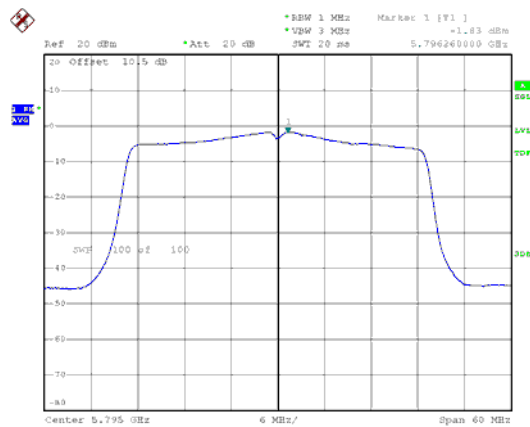
MIMO
ANT A
Modulation Type: 802.11ax40
CH151



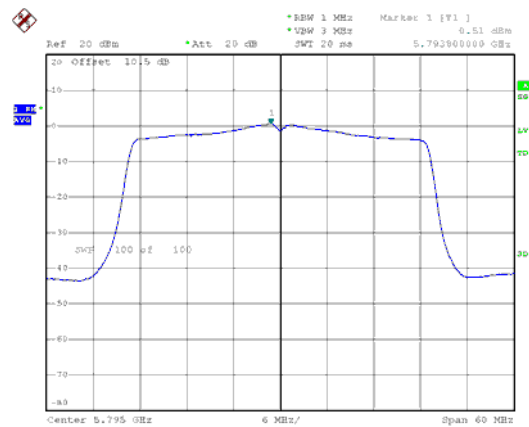
ANT B
Modulation Type: 802.11ax40
CH151



CH159

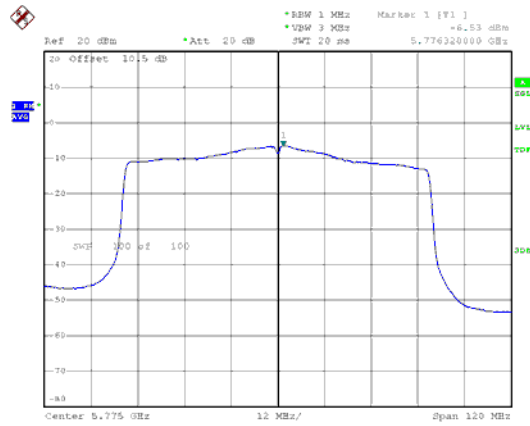


CH159

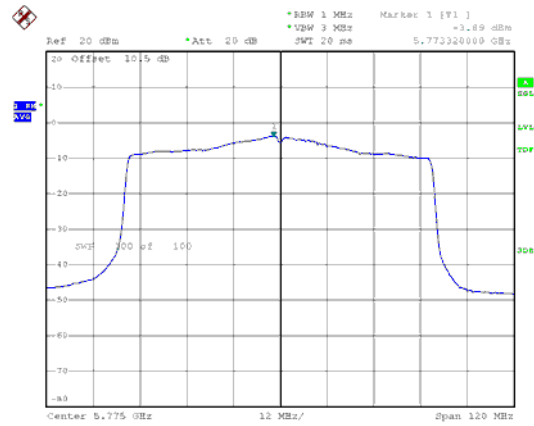




MIMO
ANT A
Modulation Type: 802.11ax80
CH155



ANT B
Modulation Type: 802.11ax80
CH155

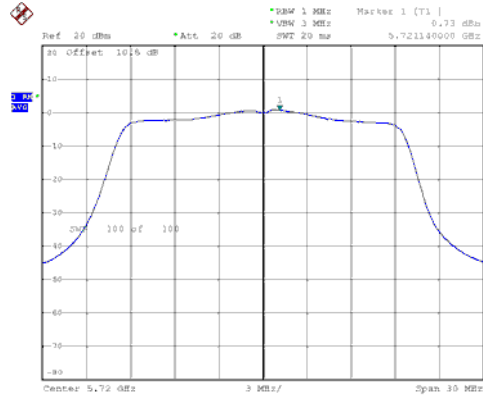




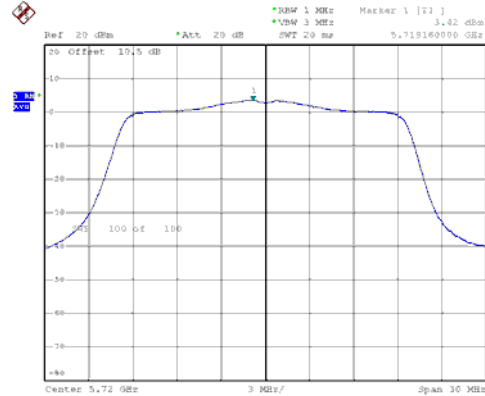
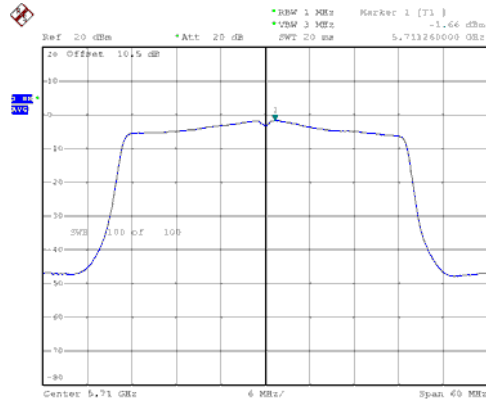
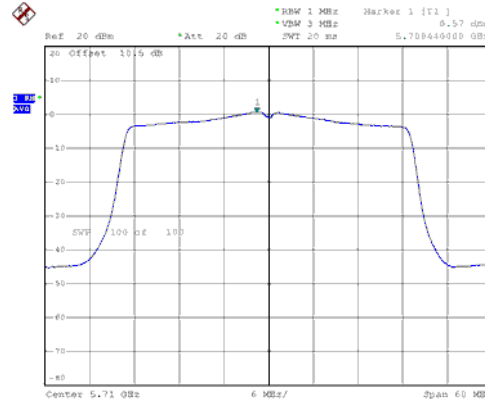
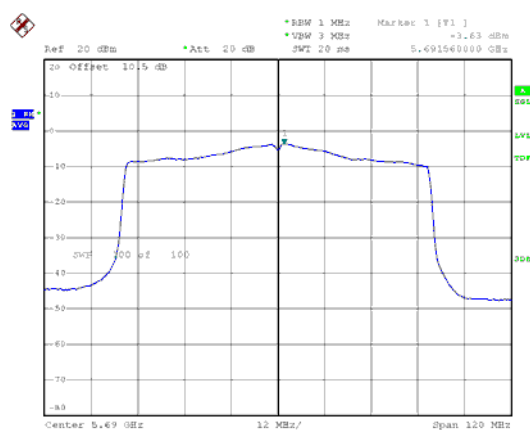
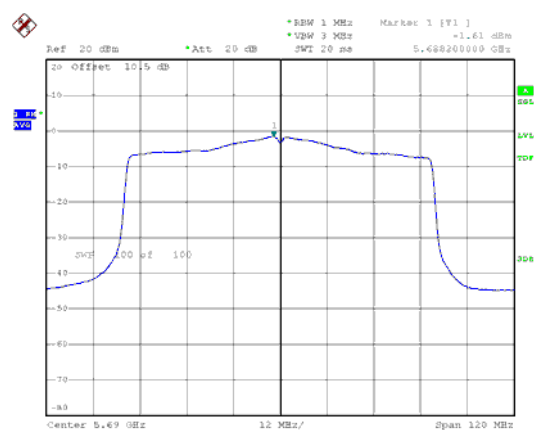
Straddle Channel

MIMO

ANT A

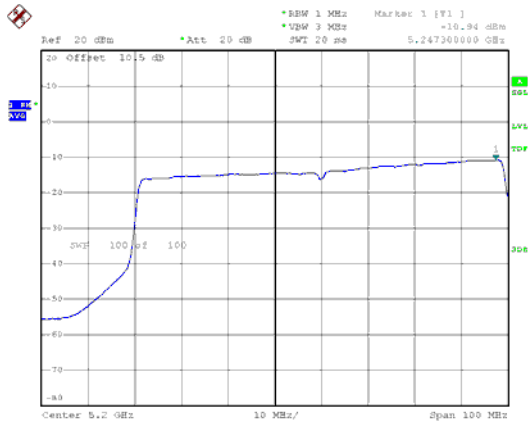
Modulation Type: 802.11ax20
CH144

ANT B

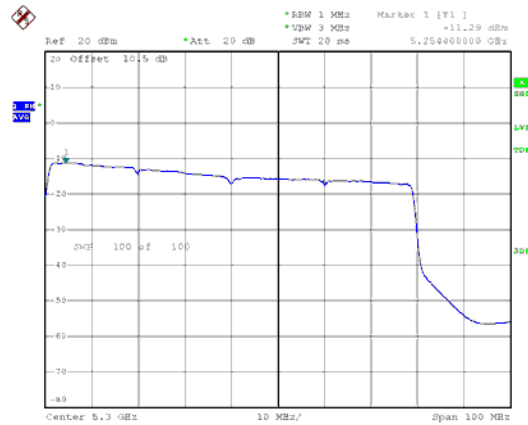
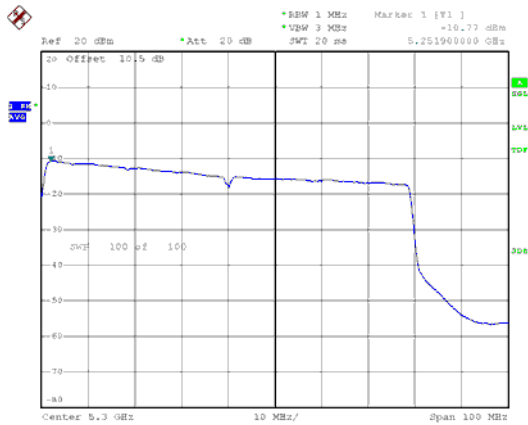
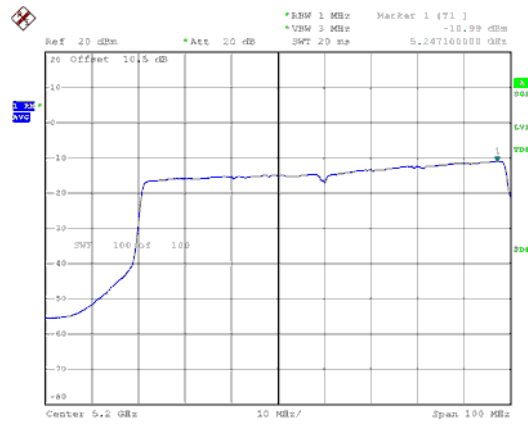
Modulation Type: 802.11ax20
CH144Modulation Type: 802.11ax40
CH142Modulation Type: 802.11ax40
CH142Modulation Type: 802.11ax80
CH138Modulation Type: 802.11ax80
CH138



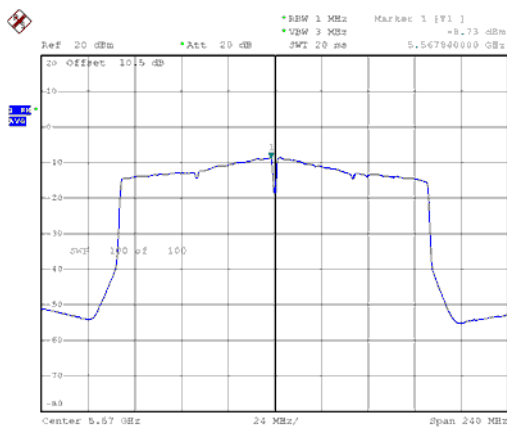
MIMO
ANT A
Modulation Type: 802.11ax160
CH50



ANT B
Modulation Type: 802.11ax160
CH50



CH114



CH114

