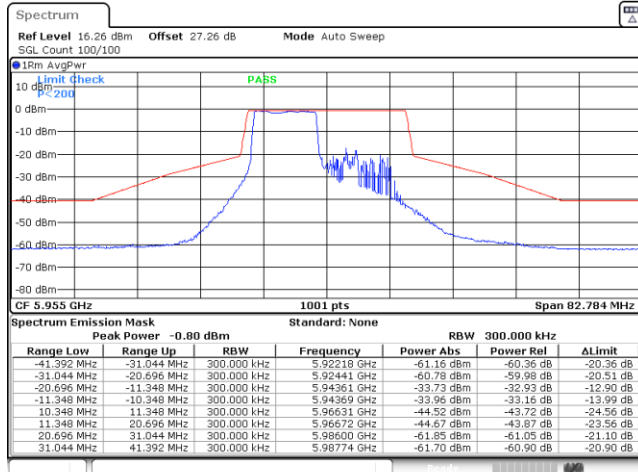




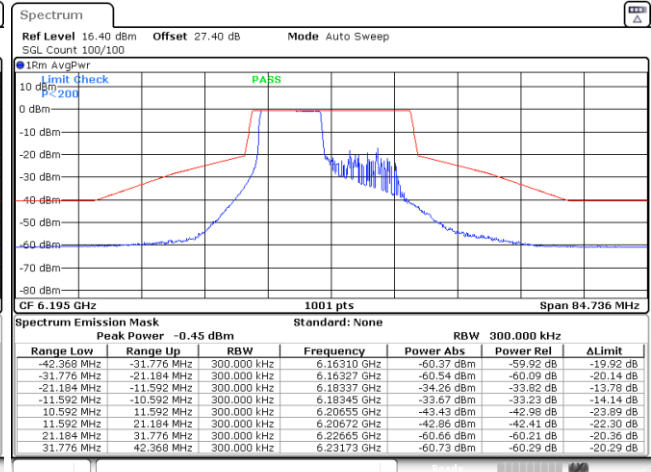
EUT Mode 802.11ax HE20 106RU53

Plot on Channel 5955 MHz



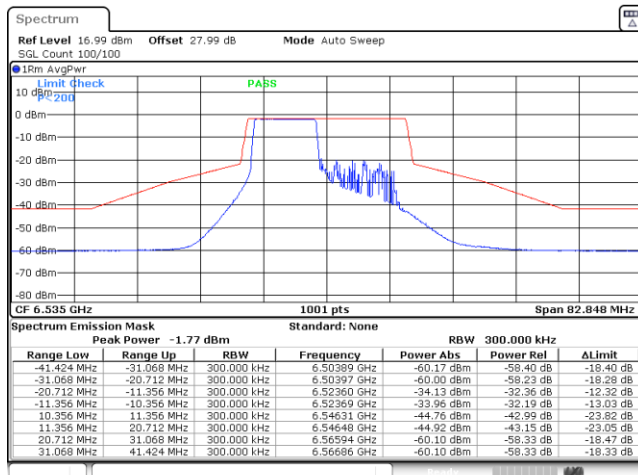
Date: 17.JAN.2024 17:44:13

Plot on Channel 6195 MHz



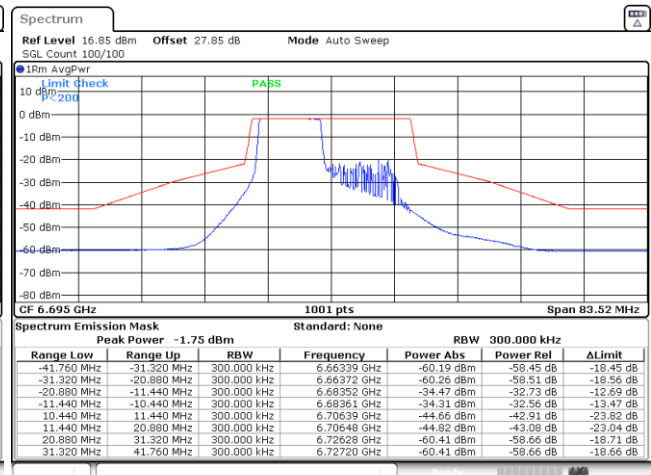
Date: 17.JAN.2024 20:39:46

Plot on Channel 6535 MHz



Date: 17.JAN.2024 22:38:49

Plot on Channel 6695 MHz



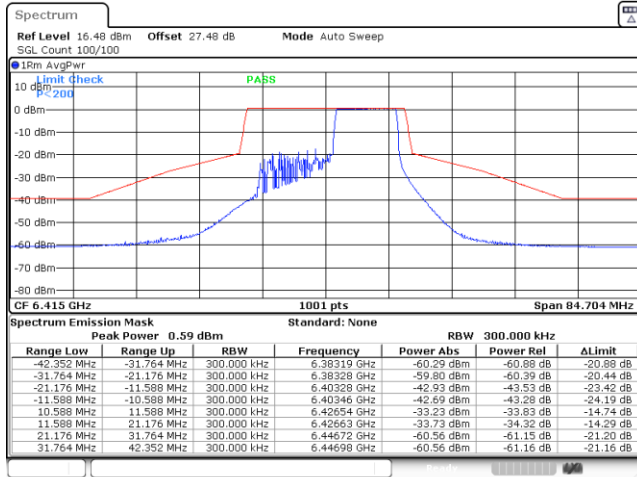
Date: 17.JAN.2024 22:54:45



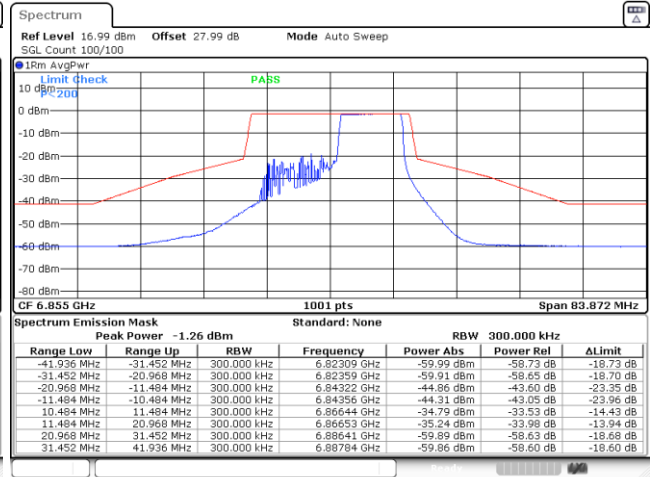
EUT Mode

802.11ax HE20 106RU54

Plot on Channel 6415 MHz



Plot on Channel 6855 MHz



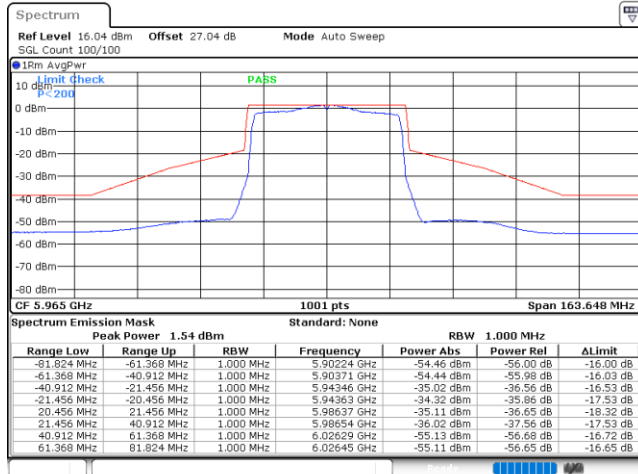


MIMO <Ant. 6+7(6)>

EUT Mode

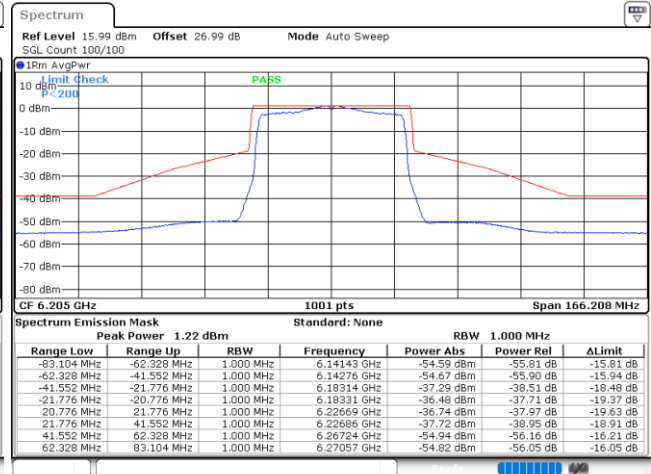
802.11ax HE40 Full RU

Plot on Channel 5965 MHz



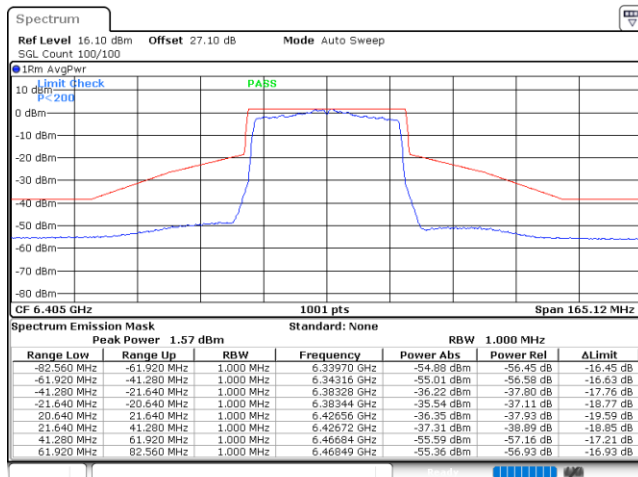
Date: 4.JAN.2024 21:35:40

Plot on Channel 6205 MHz



Date: 4.JAN.2024 21:39:24

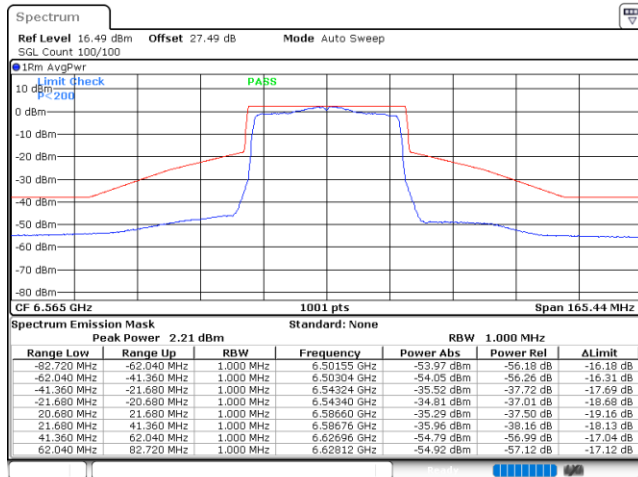
Plot on Channel 6405 MHz



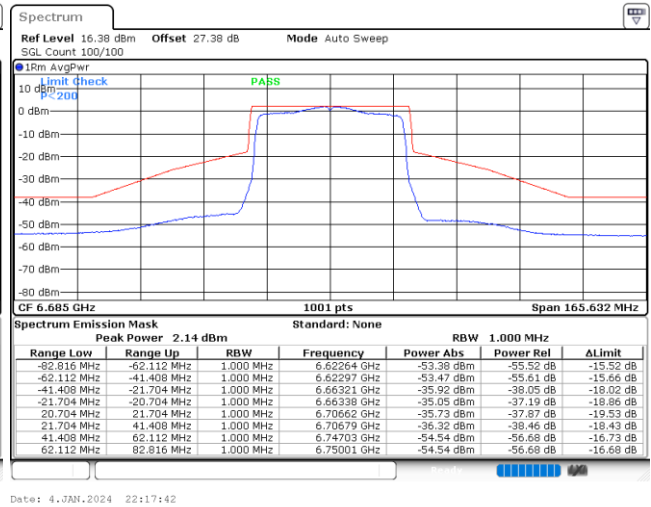
Date: 4.JAN.2024 21:44:23



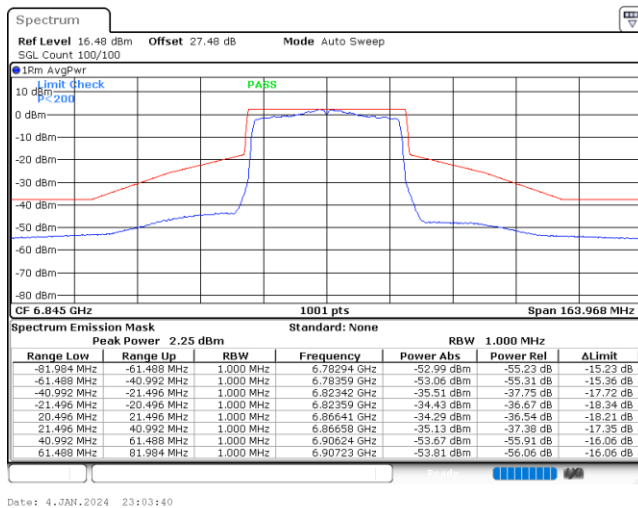
Plot on Channel 6565 MHz



Plot on Channel 6685 MHz



Plot on Channel 6845 MHz

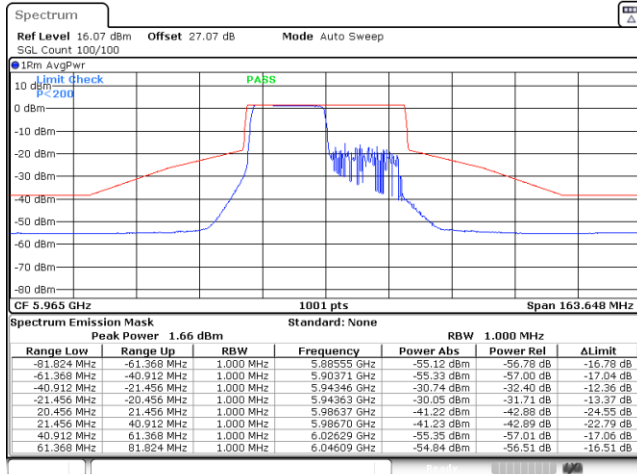




EUT Mode

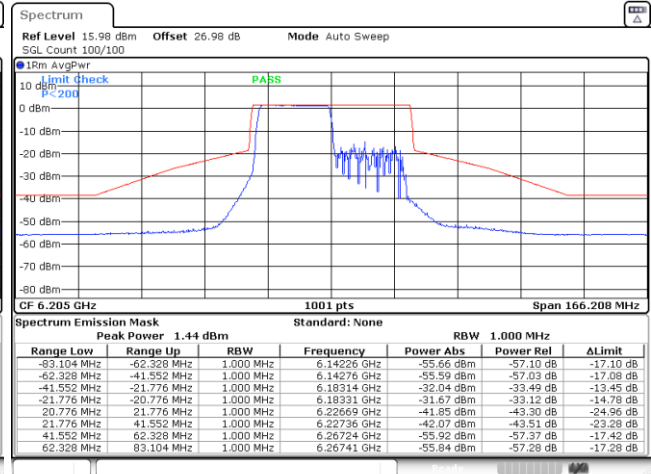
802.11ax HE40 242RU61

Plot on Channel 5965 MHz



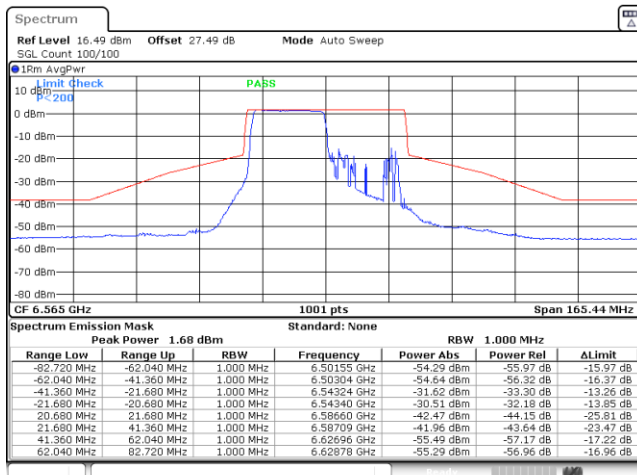
Date: 17.JAN.2024 23:11:18

Plot on Channel 6205 MHz



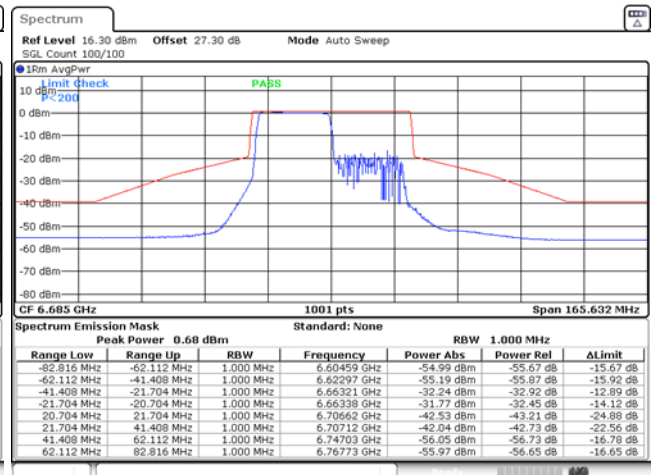
Date: 17.JAN.2024 23:14:43

Plot on Channel 6565 MHz



Date: 17.JAN.2024 23:36:19

Plot on Channel 6685 MHz



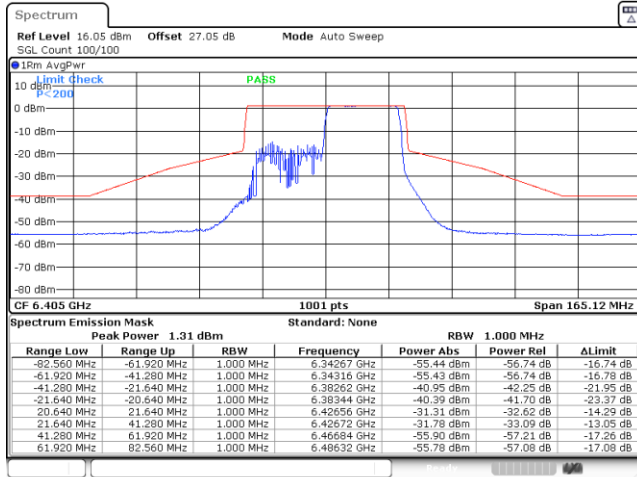
Date: 17.JAN.2024 23:40:02



EUT Mode

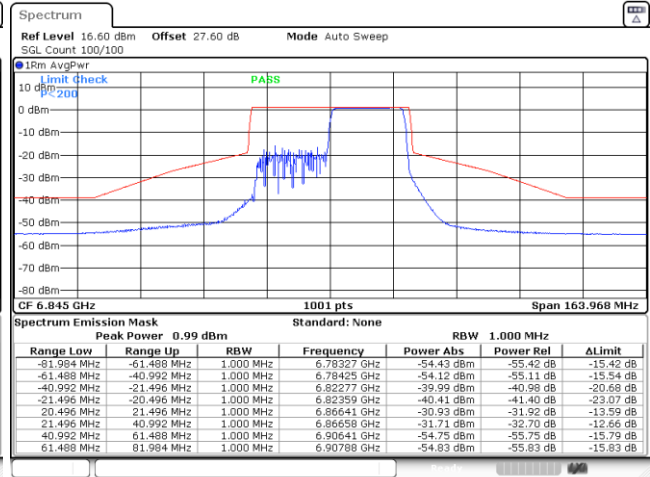
802.11ax HE40 242RU62

Plot on Channel 6405 MHz



Date: 17.JAN.2024 23:17:41

Plot on Channel 6845 MHz



Date: 17.JAN.2024 23:46:34

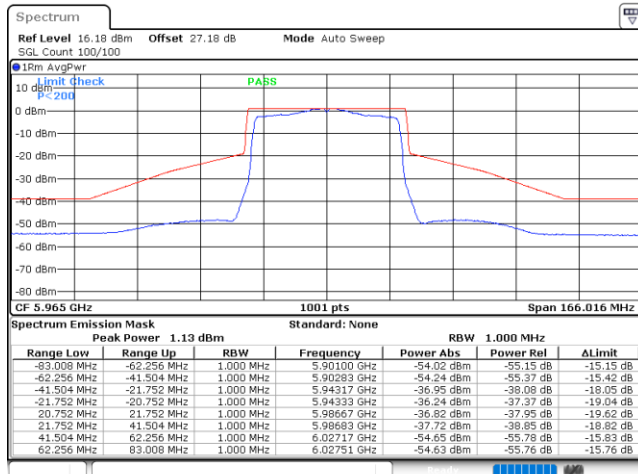


MIMO <Ant. 6+7(7)>

EUT Mode

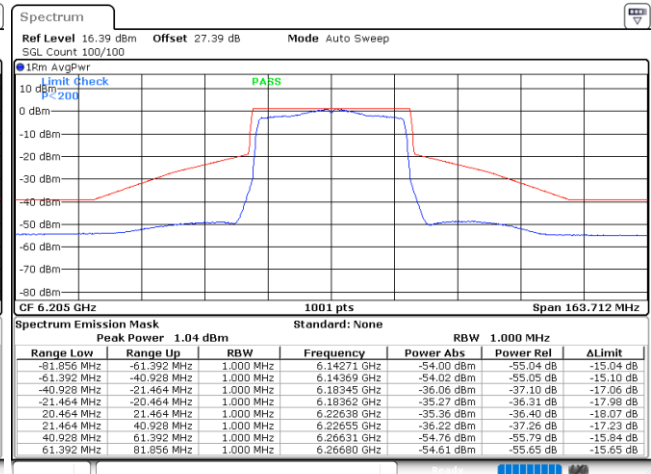
802.11ax HE40 Full RU

Plot on Channel 5965 MHz



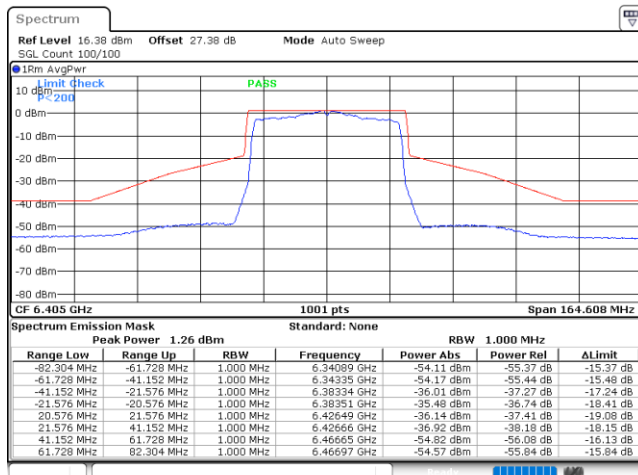
Date: 4.JAN.2024 21:34:04

Plot on Channel 6205 MHz



Date: 4.JAN.2024 21:42:53

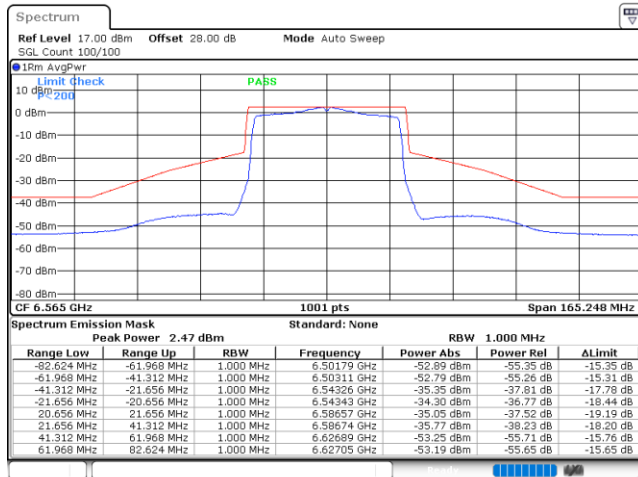
Plot on Channel 6405 MHz



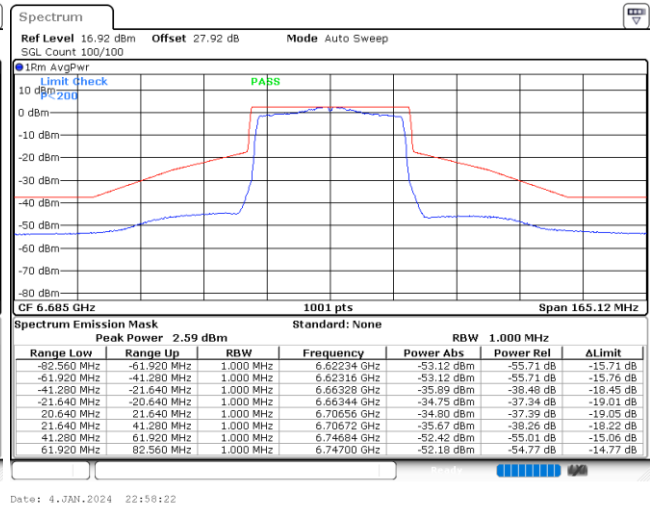
Date: 4.JAN.2024 21:47:50



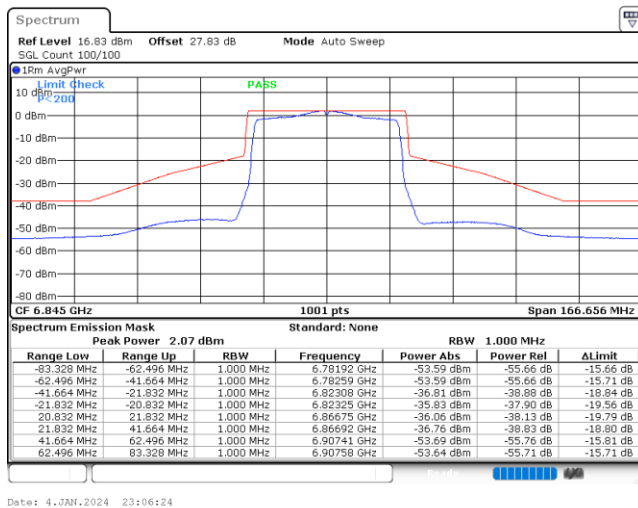
Plot on Channel 6565 MHz



Plot on Channel 6685 MHz



Plot on Channel 6845 MHz

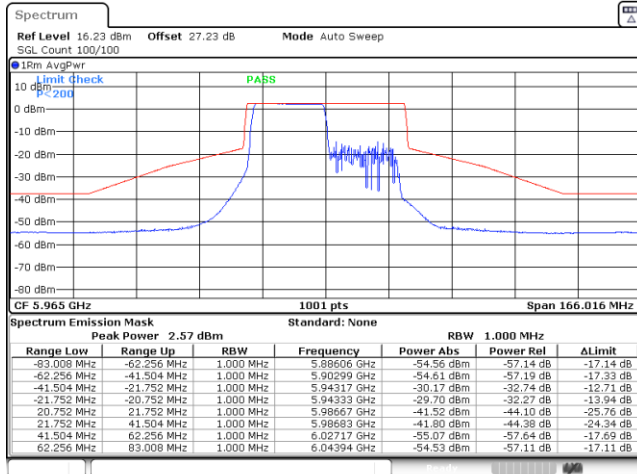




EUT Mode

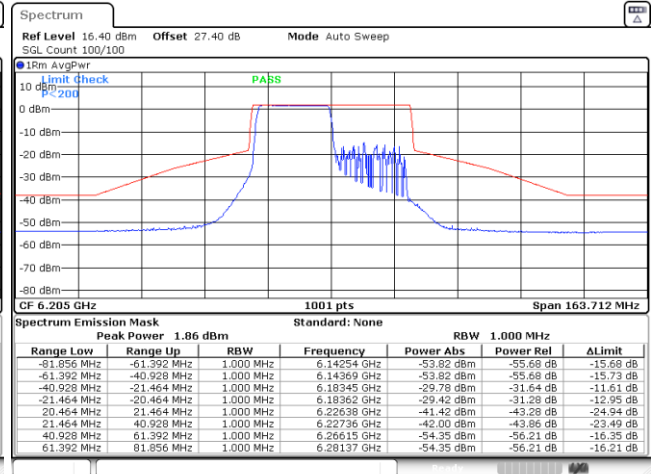
802.11ax HE40 242RU61

Plot on Channel 5965 MHz



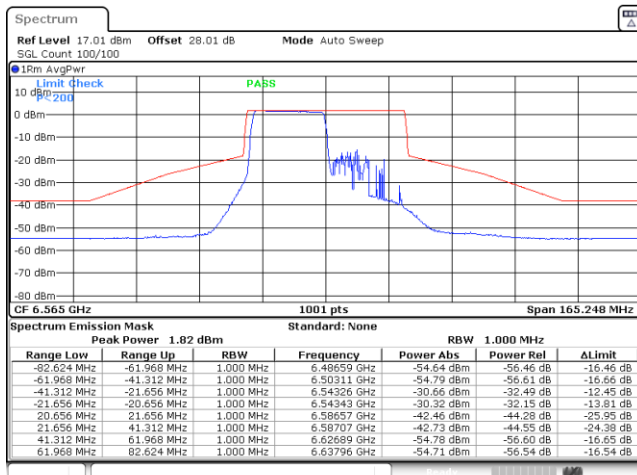
Date: 17.JAN.2024 23:12:13

Plot on Channel 6205 MHz



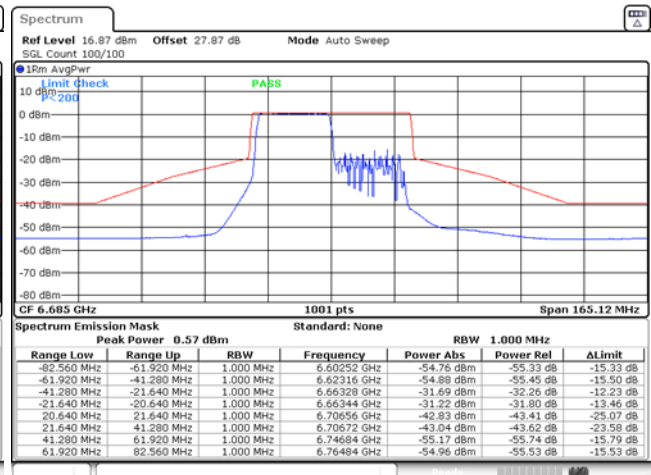
Date: 17.JAN.2024 23:15:34

Plot on Channel 6565 MHz



Date: 17.JAN.2024 23:37:07

Plot on Channel 6685 MHz



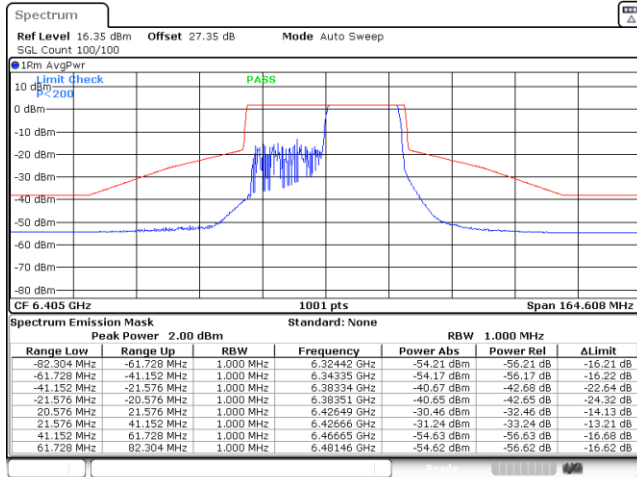
Date: 17.JAN.2024 23:40:50



EUT Mode

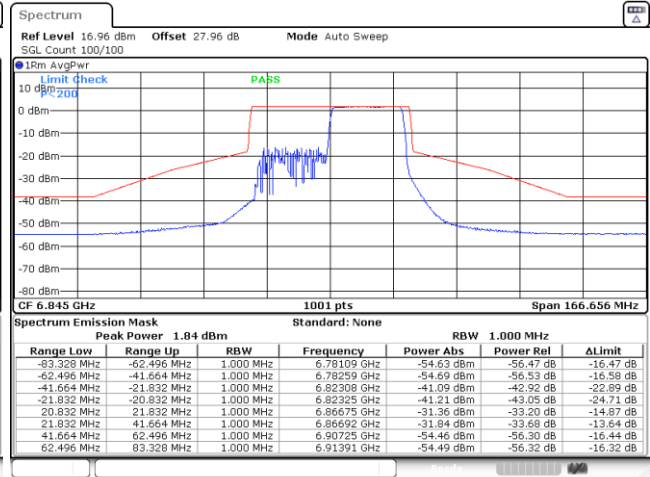
802.11ax HE40 242RU62

Plot on Channel 6405 MHz



Date: 17.JAN.2024 23:18:39

Plot on Channel 6845 MHz



Date: 17.JAN.2024 23:47:21

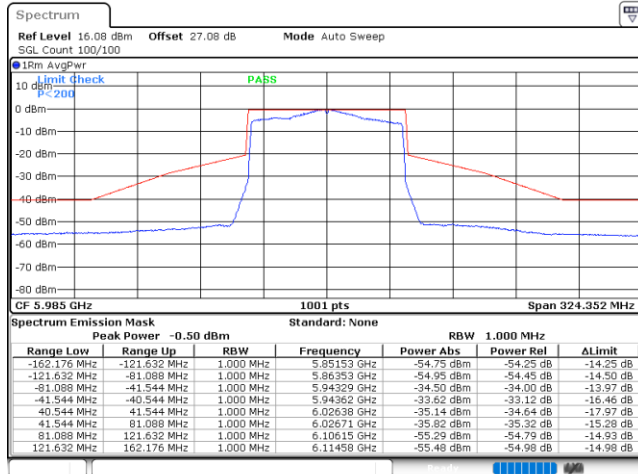


MIMO <Ant. 6+7(6)>

EUT Mode

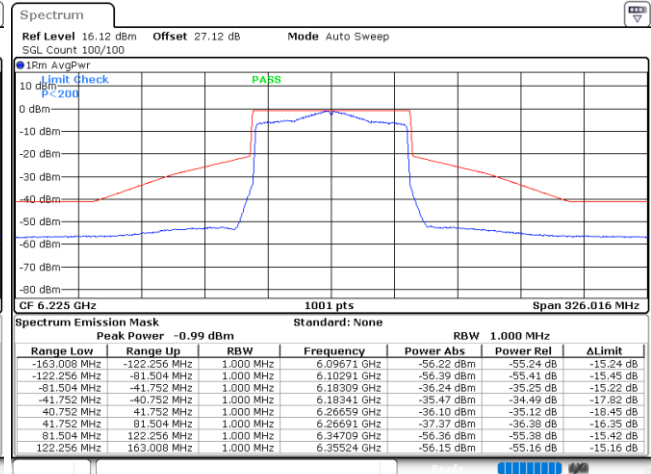
802.11ax HE80 Full RU

Plot on Channel 5985 MHz



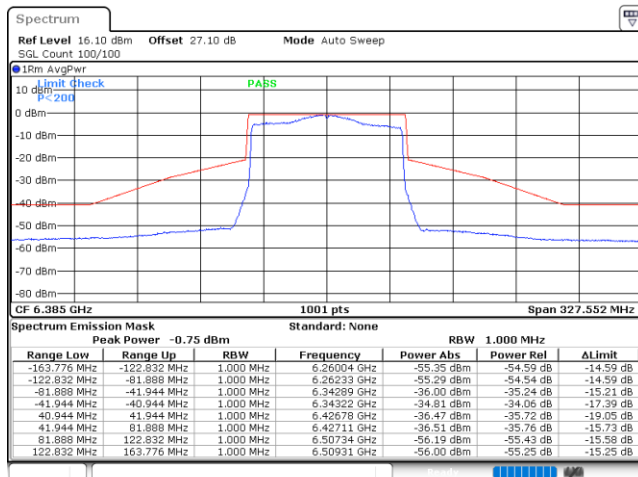
Date: 4.JAN.2024 23:08:40

Plot on Channel 6225 MHz



Date: 4.JAN.2024 23:13:43

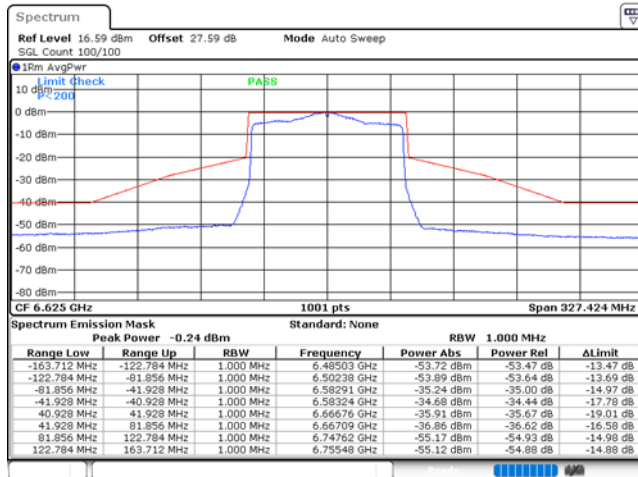
Plot on Channel 6385 MHz



Date: 4.JAN.2024 23:17:58

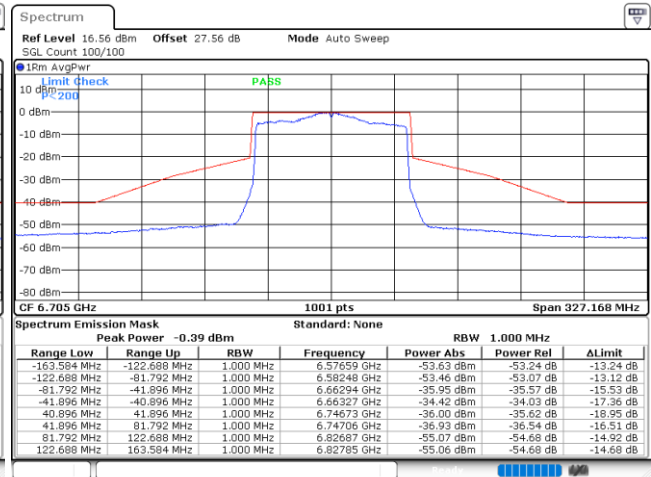


Plot on Channel 6625 MHz



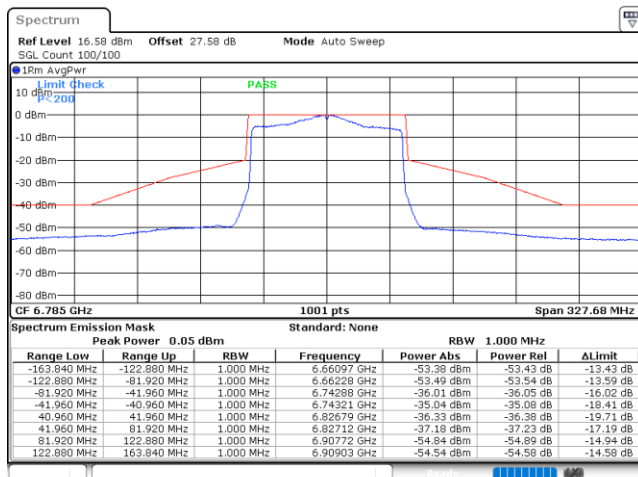
Date: 4.JAN.2024 23:29:58

Plot on Channel 6705 MHz



Date: 4.JAN.2024 23:33:21

Plot on Channel 6785 MHz



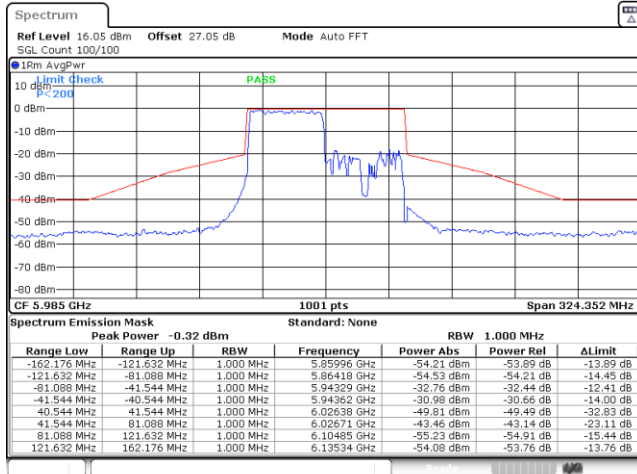
Date: 4.JAN.2024 23:36:45



EUT Mode

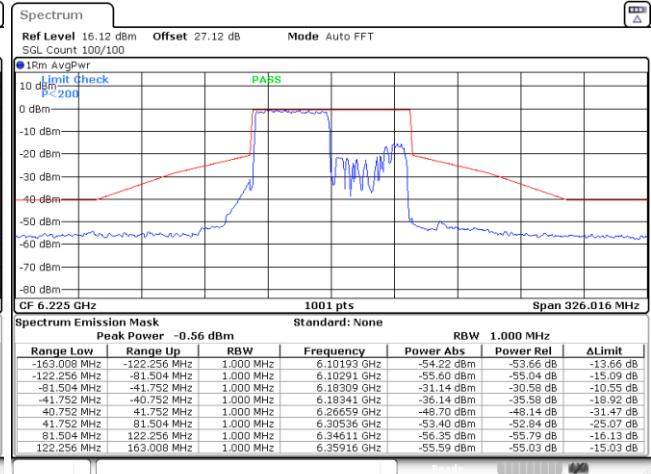
802.11ax HE80 484RU65

Plot on Channel 5985 MHz



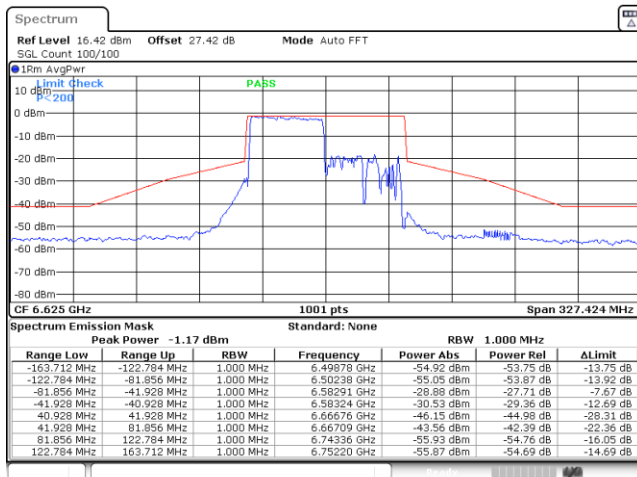
Date: 17.JAN.2024 23:51:05

Plot on Channel 6225 MHz



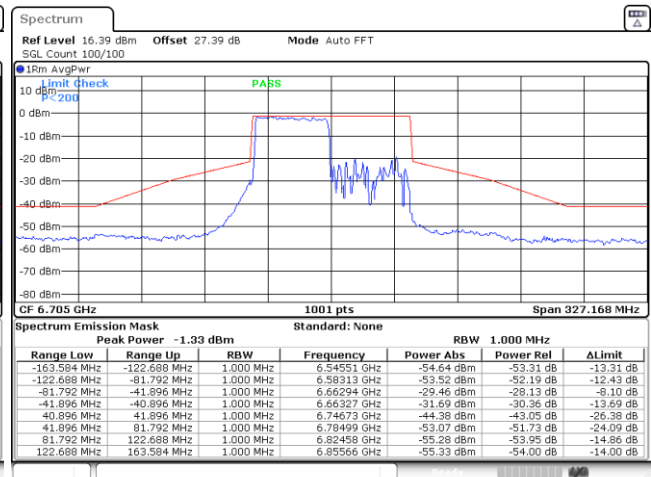
Date: 17.JAN.2024 23:56:54

Plot on Channel 6625 MHz



Date: 18.JAN.2024 00:09:45

Plot on Channel 6705 MHz



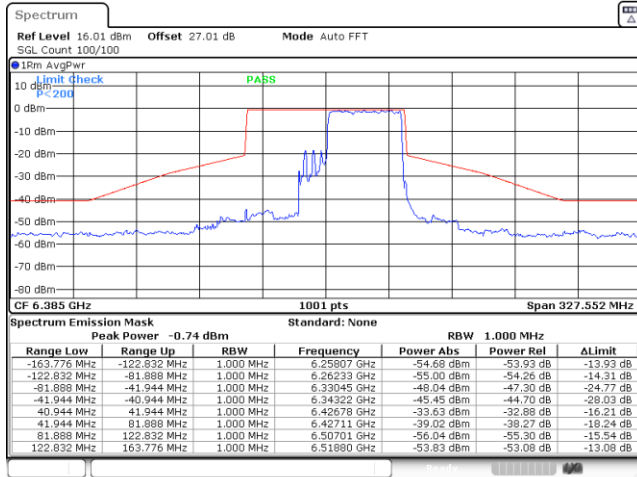
Date: 18.JAN.2024 00:12:10



EUT Mode

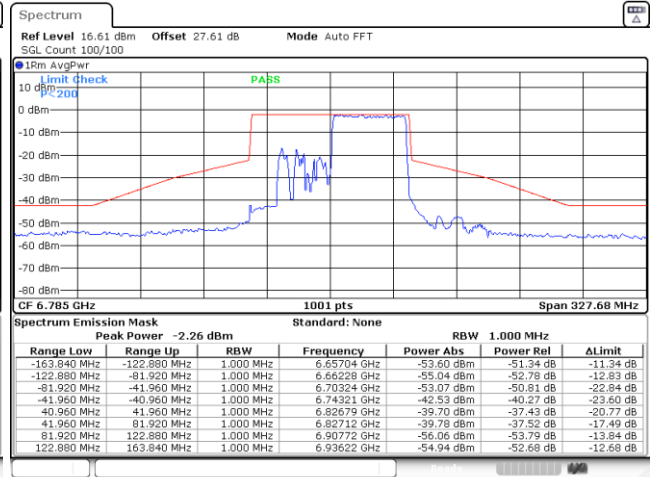
802.11ax HE80 484RU66

Plot on Channel 6385 MHz



Date: 17.JAN.2024 23:59:37

Plot on Channel 6785 MHz



Date: 18.JAN.2024 00:14:57

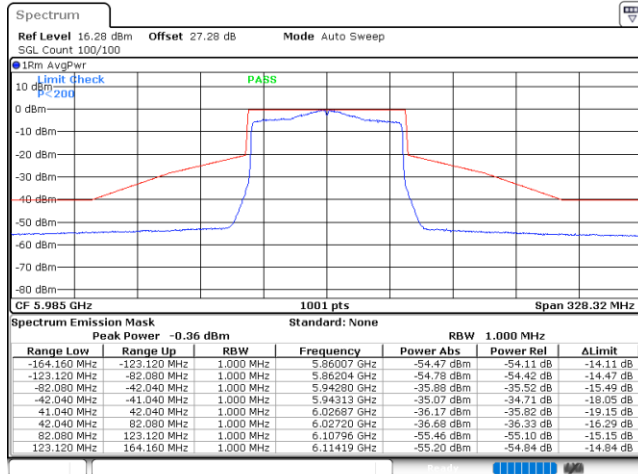


MIMO <Ant. 6+7(7)>

EUT Mode

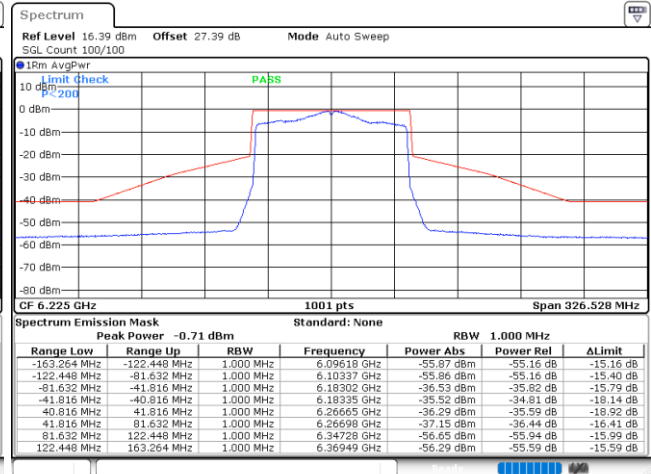
802.11ax HE80 Full RU

Plot on Channel 5985 MHz



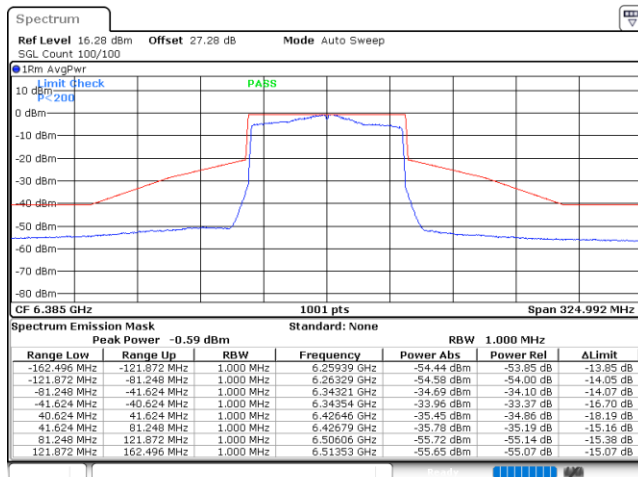
Date: 4.JAN.2024 23:11:35

Plot on Channel 6225 MHz



Date: 4.JAN.2024 23:16:22

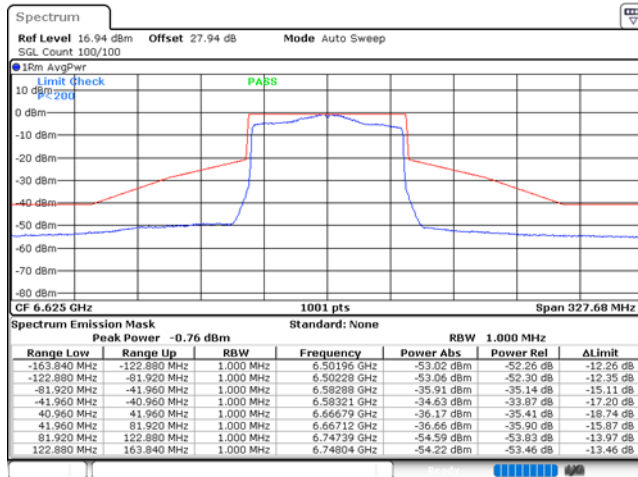
Plot on Channel 6385 MHz



Date: 4.JAN.2024 23:20:15

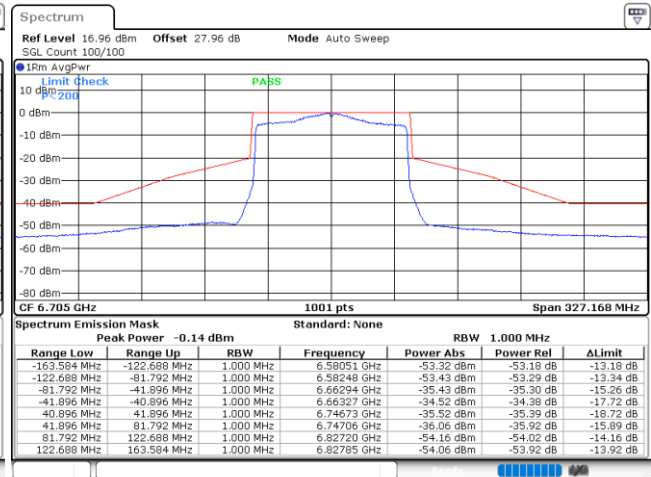


Plot on Channel 6625 MHz



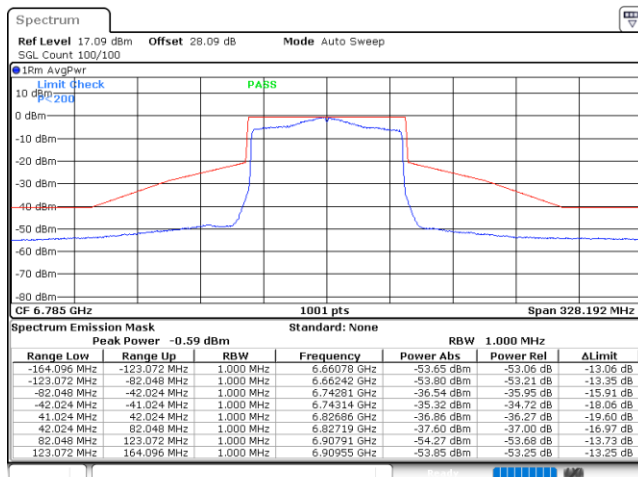
Date: 4.JAN.2024 23:32:02

Plot on Channel 6705 MHz



Date: 4.JAN.2024 23:35:39

Plot on Channel 6785 MHz



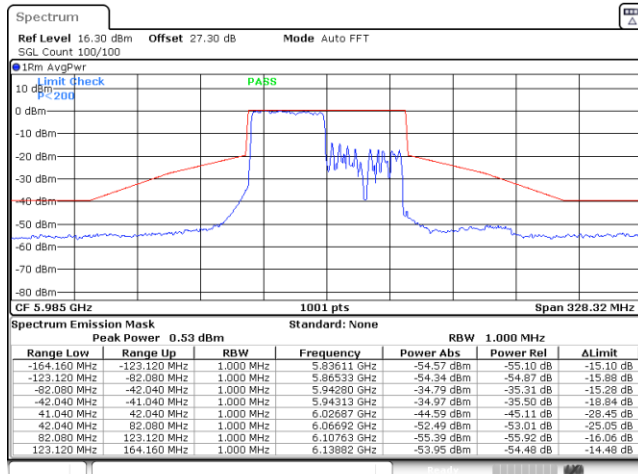
Date: 4.JAN.2024 23:39:01



EUT Mode

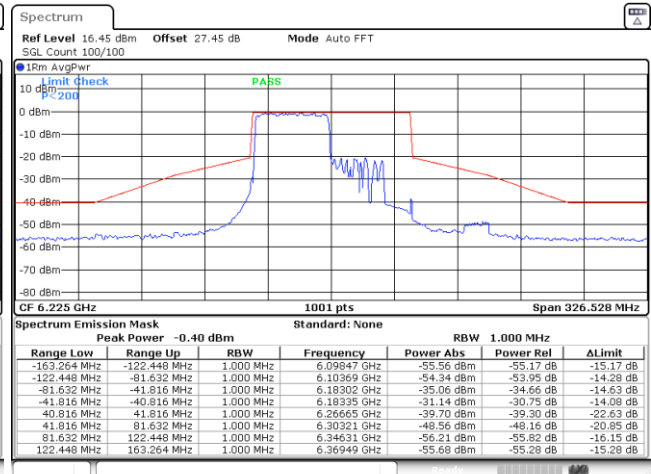
802.11ax HE80 484RU65

Plot on Channel 5985 MHz



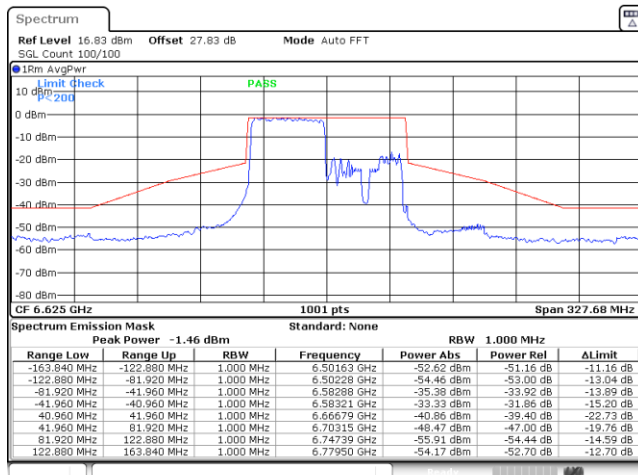
Date: 17.JAN.2024 23:51:49

Plot on Channel 6225 MHz



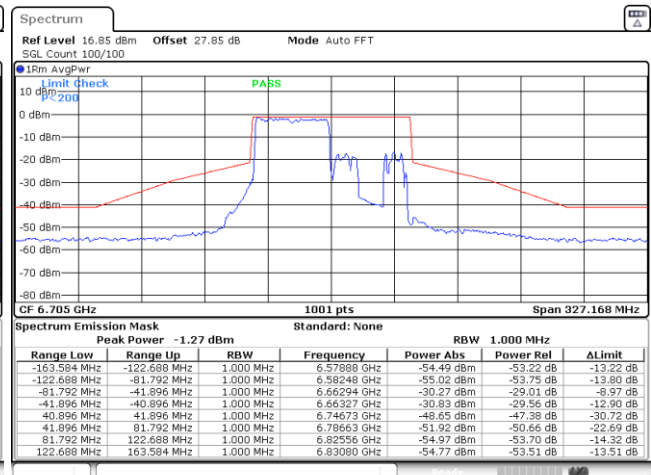
Date: 17.JAN.2024 23:57:23

Plot on Channel 6625 MHz



Date: 18.JAN.2024 00:10:19

Plot on Channel 6705 MHz



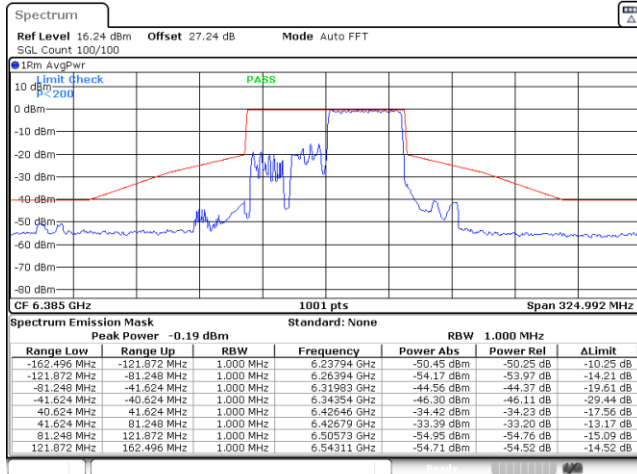
Date: 18.JAN.2024 00:12:56



EUT Mode

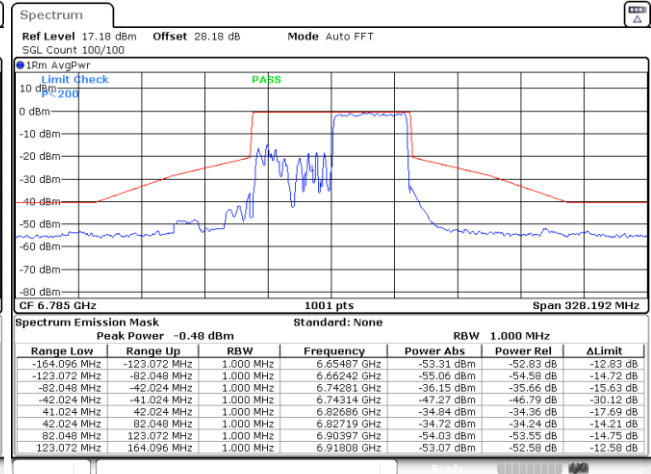
802.11ax HE80 484RU66

Plot on Channel 6385 MHz



Date: 18.JAN.2024 00:00:05

Plot on Channel 6785 MHz



Date: 18.JAN.2024 00:15:21

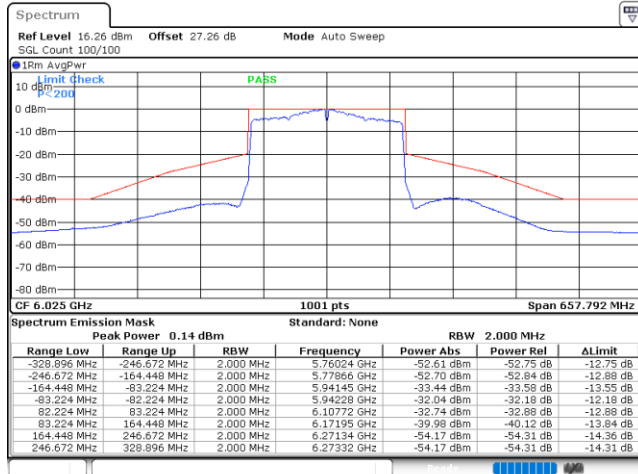


MIMO <Ant. 6+7(6)>

EUT Mode

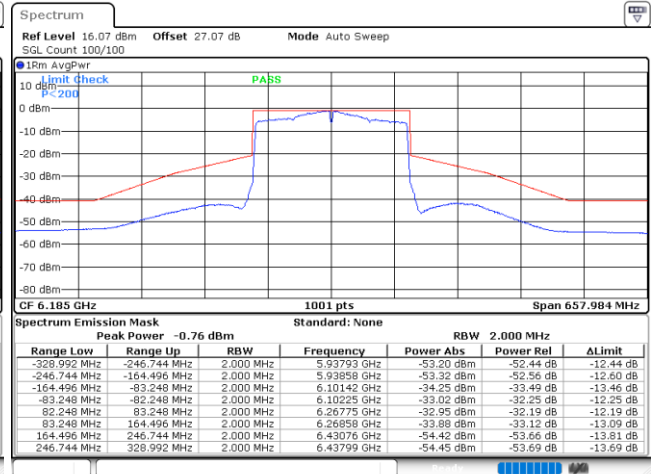
802.11ax HE160 Full RU

Plot on Channel 6025 MHz



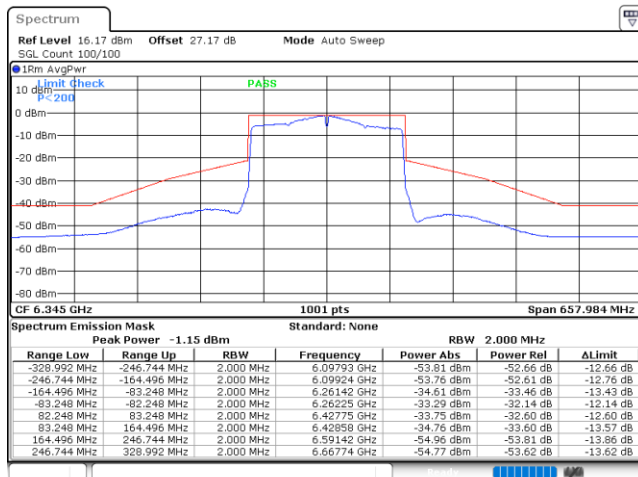
Date: 4.JAN.2024 23:41:12

Plot on Channel 6185 MHz



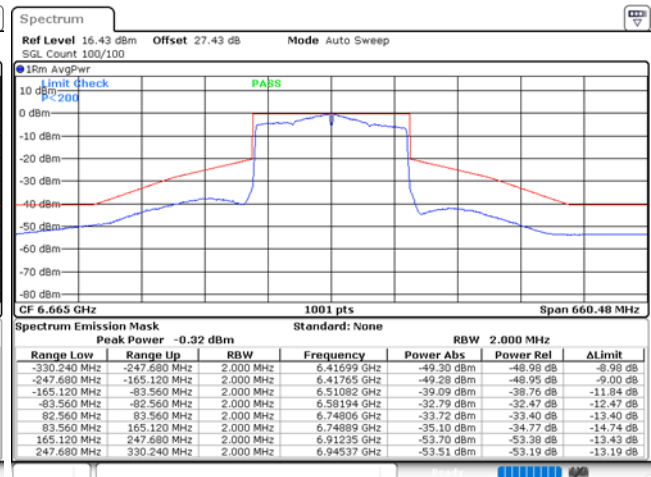
Date: 4.JAN.2024 23:45:29

Plot on Channel 6345 MHz



Date: 4.JAN.2024 23:49:19

Plot on Channel 6665 MHz



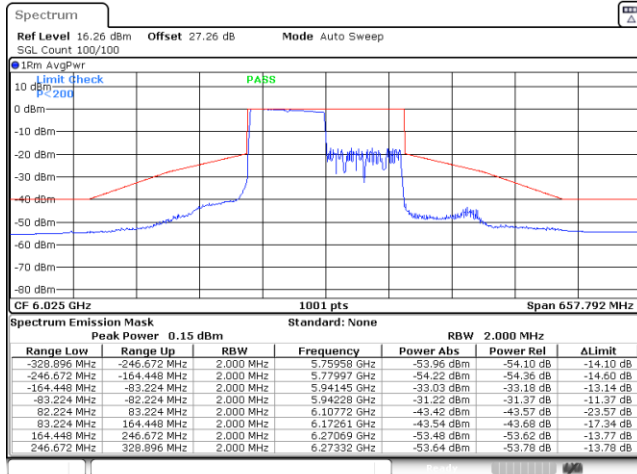
Date: 4.JAN.2024 23:58:08



EUT Mode

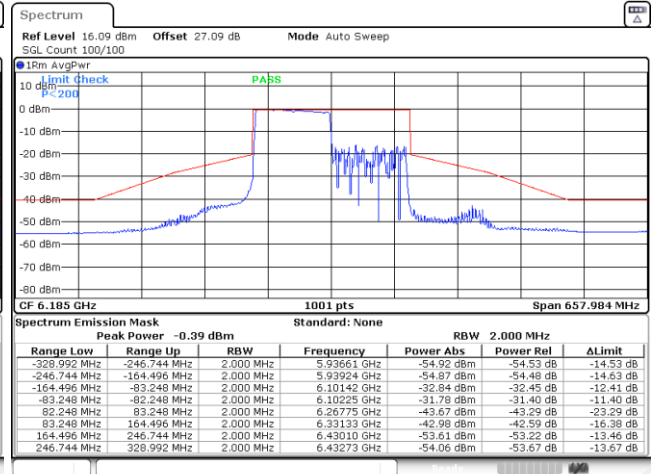
802.11ax HE160 996RU67

Plot on Channel 6025 MHz



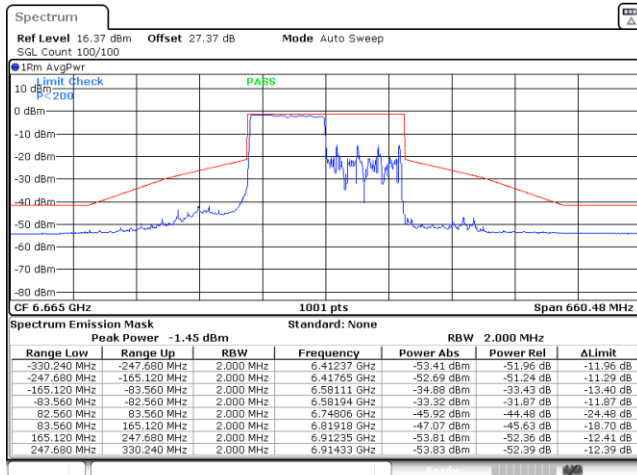
Date: 18.JAN.2024 00:20:35

Plot on Channel 6185 MHz



Date: 18.JAN.2024 00:28:13

Plot on Channel 6665 MHz



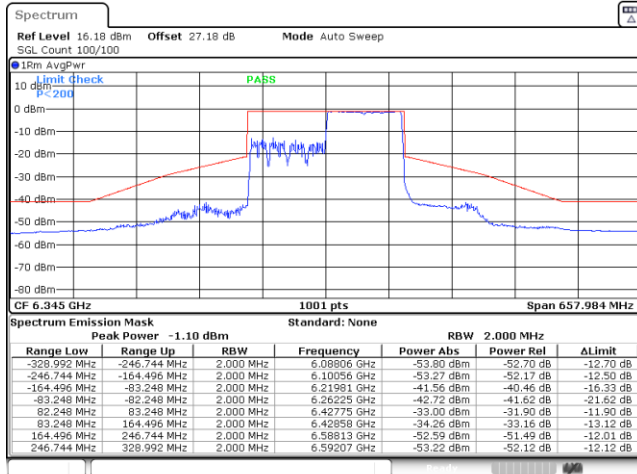
Date: 18.JAN.2024 00:42:28



EUT Mode

802.11ax HE160 996RUS67

Plot on Channel 6345 MHz



Date: 18.JAN.2024 00:32:26

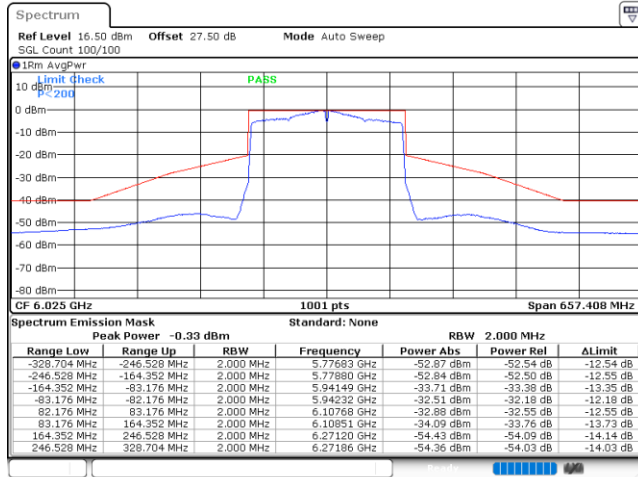


MIMO <Ant. 6+7(7)>

EUT Mode

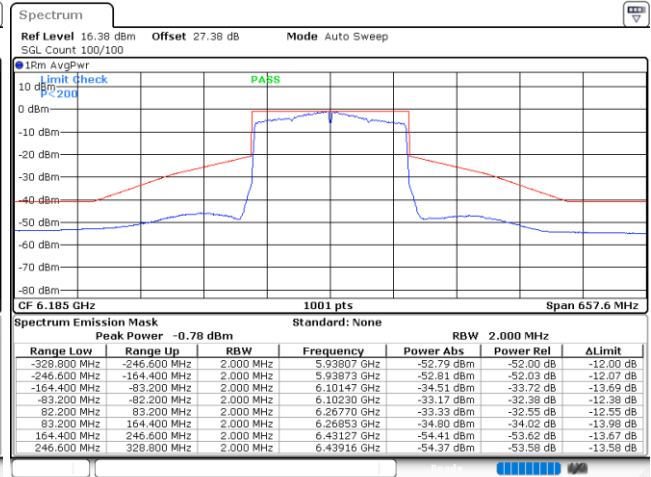
802.11ax HE160 Full RU

Plot on Channel 6025 MHz



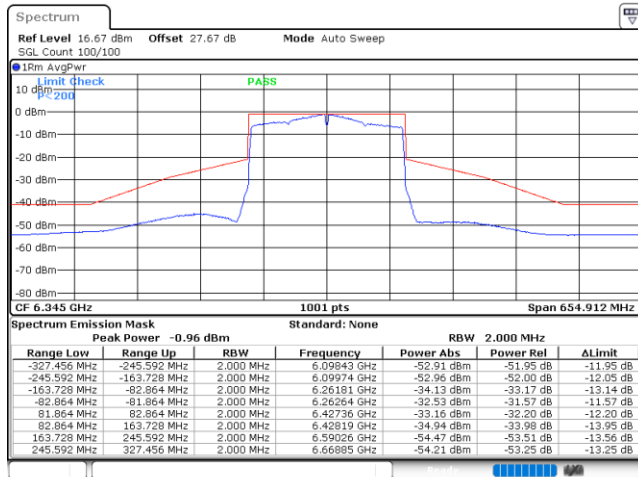
Date: 4.JAN.2024 23:43:41

Plot on Channel 6185 MHz



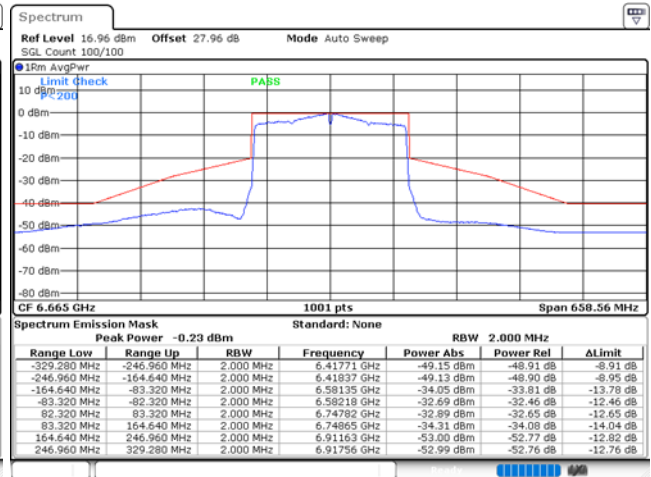
Date: 4.JAN.2024 23:47:38

Plot on Channel 6345 MHz



Date: 4.JAN.2024 23:51:35

Plot on Channel 6665 MHz



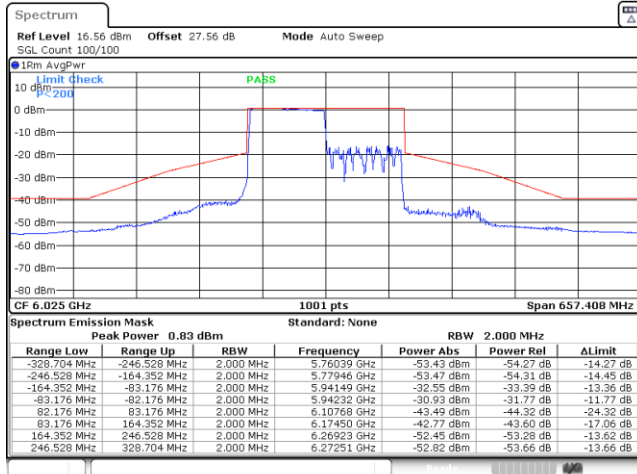
Date: 5.JAN.2024 00:00:34



EUT Mode

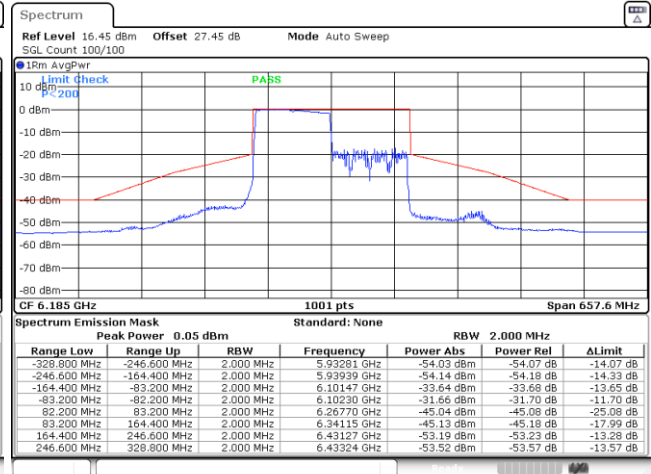
802.11ax HE160 996RU67

Plot on Channel 6025 MHz



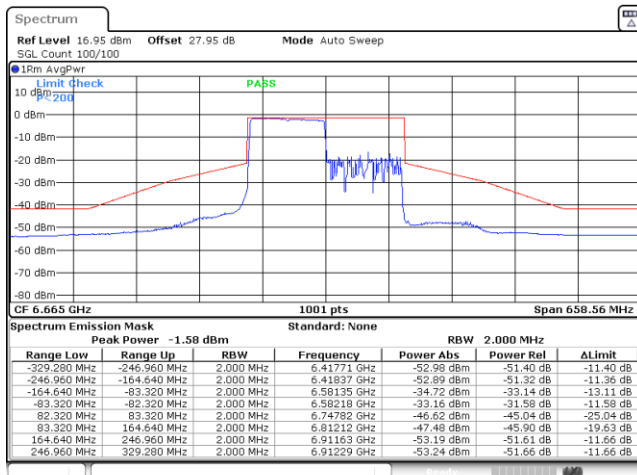
Date: 18.JAN.2024 00:21:21

Plot on Channel 6185 MHz



Date: 18.JAN.2024 00:29:29

Plot on Channel 6665 MHz



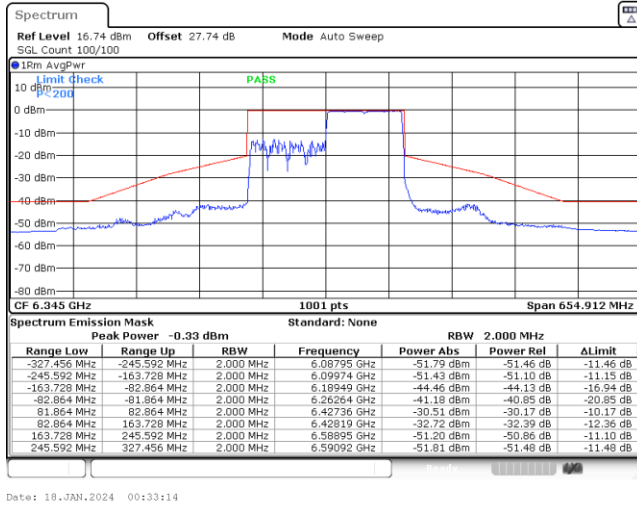
Date: 18.JAN.2024 00:43:16



EUT Mode

802.11ax HE160 996RUS67

Plot on Channel 6345 MHz





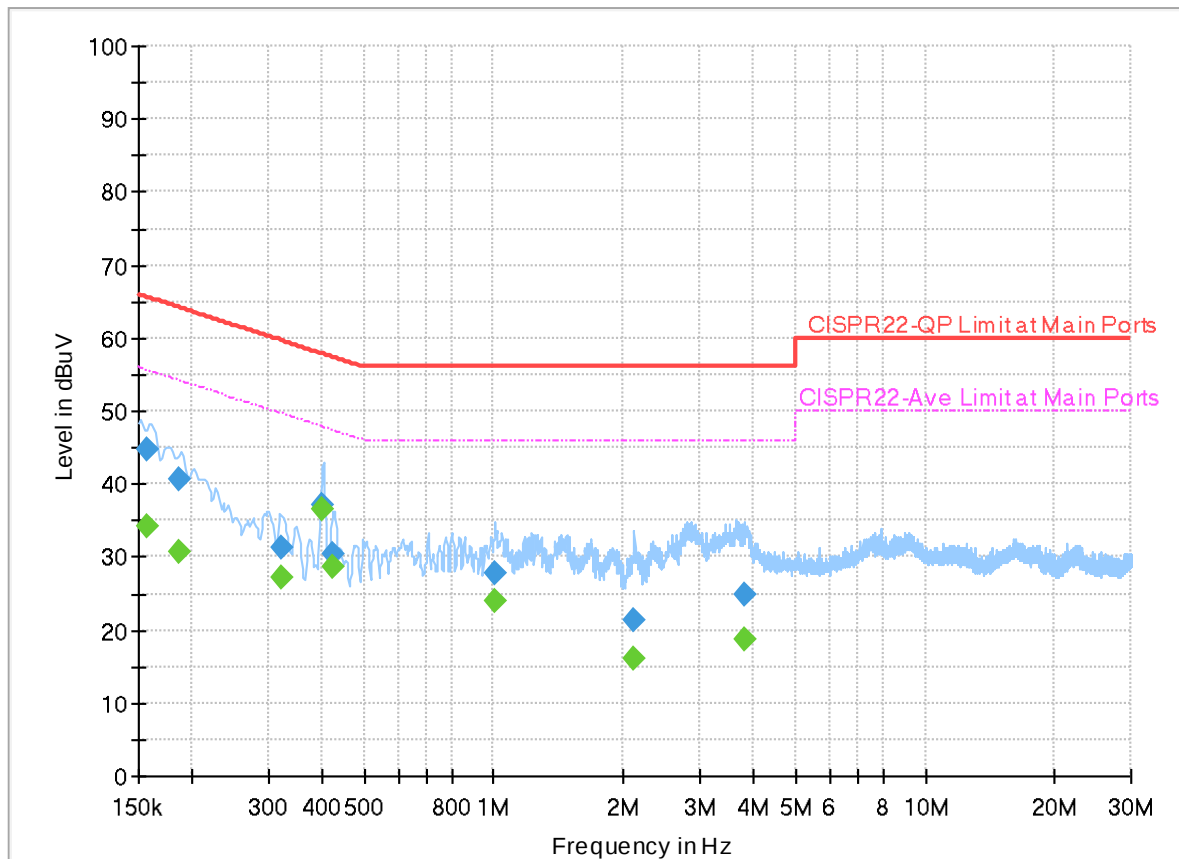
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	19.2~21.3℃
		Relative Humidity :	58.2~63.7%

EUT Information

Report NO : 3N2803
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



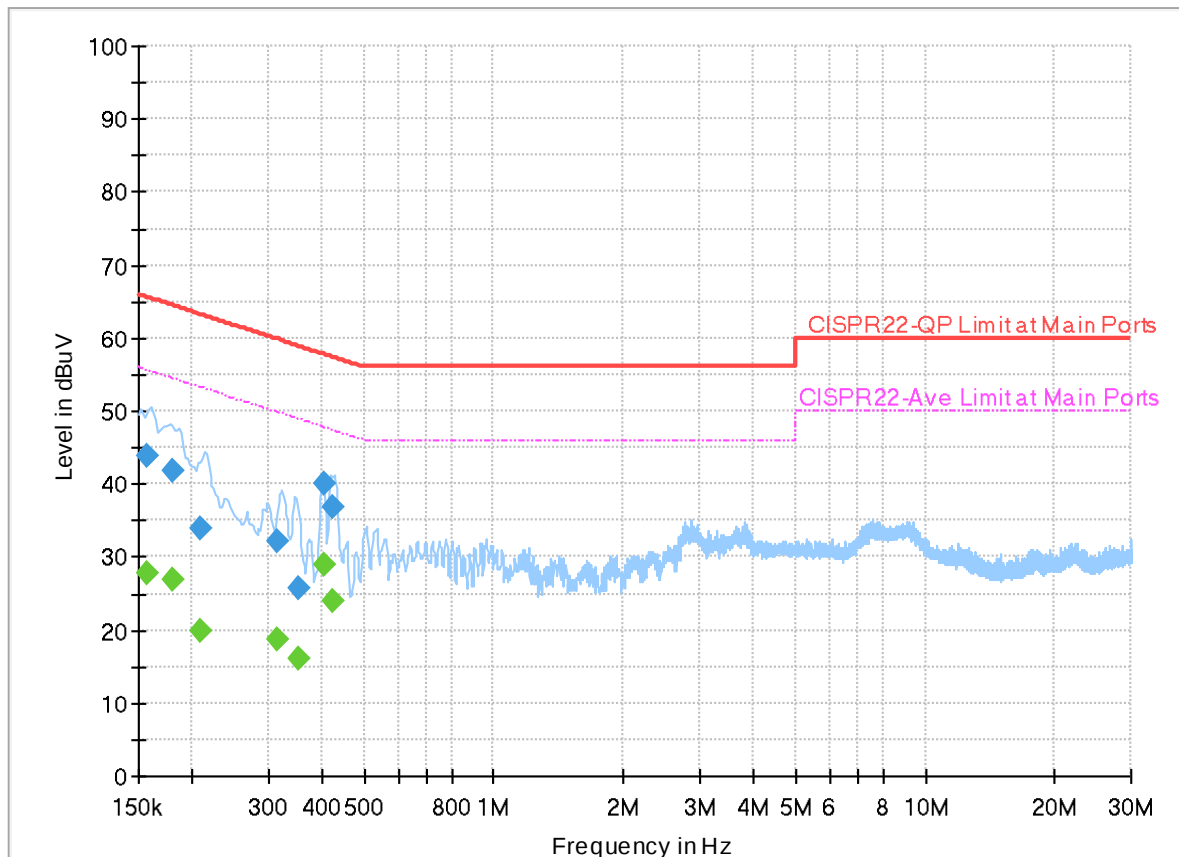
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156660	---	34.35	55.64	21.29	L1	OFF	19.9
0.156660	44.85	---	65.64	20.79	L1	OFF	19.9
0.186000	---	30.76	54.21	23.45	L1	OFF	19.9
0.186000	40.69	---	64.21	23.52	L1	OFF	19.9
0.321360	---	27.26	49.67	22.41	L1	OFF	19.9
0.321360	31.39	---	59.67	28.28	L1	OFF	19.9
0.401640	---	36.48	47.82	11.34	L1	OFF	19.9
0.401640	37.21	---	57.82	20.61	L1	OFF	19.9
0.425400	---	28.69	47.34	18.65	L1	OFF	19.9
0.425400	30.32	---	57.34	27.02	L1	OFF	19.9
1.009500	---	24.01	46.00	21.99	L1	OFF	20.0
1.009500	27.81	---	56.00	28.19	L1	OFF	20.0
2.114250	---	16.12	46.00	29.88	L1	OFF	20.0
2.114250	21.39	---	56.00	34.61	L1	OFF	20.0
3.832800	---	18.85	46.00	27.15	L1	OFF	20.0
3.832800	24.92	---	56.00	31.08	L1	OFF	20.0

EUT Information

Report NO : 3N2803
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	27.92	55.63	27.71	N	OFF	19.9
0.156750	43.98	---	65.63	21.65	N	OFF	19.9
0.179250	---	27.02	54.52	27.50	N	OFF	19.9
0.179250	41.80	---	64.52	22.72	N	OFF	19.9
0.209760	---	19.92	53.22	33.30	N	OFF	19.9
0.209760	34.00	---	63.22	29.22	N	OFF	19.9
0.316320	---	18.63	49.80	31.17	N	OFF	19.9
0.316320	32.22	---	59.80	27.58	N	OFF	19.9
0.351420	---	16.12	48.93	32.81	N	OFF	19.9
0.351420	25.68	---	58.93	33.25	N	OFF	19.9
0.404160	---	29.02	47.77	18.75	N	OFF	19.9
0.404160	40.08	---	57.77	17.69	N	OFF	19.9
0.424500	---	23.92	47.36	23.44	N	OFF	19.9
0.424500	36.75	---	57.36	20.61	N	OFF	19.9



Appendix C. Radiated Spurious Emission

Test Engineer :	John Chuang, David Dai and Howard Huang	Temperature :	18.9~23.4°C
		Relative Humidity :	65.7~69.9%

Band 5 - 5925~6425MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5921.32	51.73	-36.47	88.2	41.57	34.3	13.79	37.93	100	51	P	H
		5924.96	42.19	-26.01	68.2	32.03	34.3	13.79	37.93	100	51	A	H
	*	5955	113.31	-	-	103.12	34.28	13.83	37.92	100	51	P	H
	*	5955	106.66	-	-	96.47	34.28	13.83	37.92	100	51	A	H
													H
													H
		5922.58	50.72	-37.48	88.2	40.56	34.3	13.79	37.93	400	71	P	V
		5923.7	40.63	-27.57	68.2	30.47	34.3	13.79	37.93	400	71	A	V
	*	5955	109.02	-	-	98.83	34.28	13.83	37.92	400	71	P	V
	*	5955	101.57	-	-	91.38	34.28	13.83	37.92	400	71	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 01 5955MHz		11910	50.59	-23.41	74	34.59	38.92	20.09	43.01	400	313	P	H
		11910	41.59	-12.41	54	25.59	38.92	20.09	43.01	400	313	A	H
		17865	55.82	-18.18	74	35.24	41.48	24.53	45.43	107	360	P	H
		17865	46.15	-7.85	54	25.57	41.48	24.53	45.43	107	360	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		11910	50.34	-23.66	74	34.34	38.92	20.09	43.01	311	48	P	V
		11910	41.73	-12.27	54	25.73	38.92	20.09	43.01	311	48	A	V
		17865	56.29	-17.71	74	35.71	41.48	24.53	45.43	200	331	P	V
		17865	46.13	-7.87	54	25.55	41.48	24.53	45.43	200	331	A	V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 49 6195MHz		12390	50.98	-23.02	74	34.5	39.01	20.6	43.13	182	360	P	H
		12390	41.89	-12.11	54	25.41	39.01	20.6	43.13	182	360	A	H
		18585	38.93	-35.07	74	50.24	38	15.34	64.65	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		12390	50.83	-23.17	74	34.35	39.01	20.6	43.13	200	177	P	V
		12390	41.91	-12.09	54	25.43	39.01	20.6	43.13	200	177	A	V
		18585	39.48	-34.52	74	50.79	38	15.34	64.65	-	-	P	V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 93 6415MHz		12830	51.83	-36.37	88.2	33.99	39.76	21.09	43.01	-	-	P	H
		19245	38.91	-35.09	74	49.59	37.89	15.83	64.4	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		12830	52.22	-35.98	88.2	34.38	39.76	21.09	43.01	-	-	P	V
		19245	38.83	-35.17	74	49.51	37.89	15.83	64.4	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
		3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.											



Band 5 5925~6425MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 01 5955MHz		5923.84	51.23	-36.97	88.2	41.07	34.3	13.79	37.93	100	52	P	H
		5924.54	41.95	-26.25	68.2	31.79	34.3	13.79	37.93	100	52	A	H
	*	5955	112.65	-	-	102.46	34.28	13.83	37.92	100	52	P	H
	*	5955	105	-	-	94.81	34.28	13.83	37.92	100	52	A	H
													H
													H
		5918.52	51.16	-37.04	88.2	41.01	34.3	13.78	37.93	400	72	P	V
		5919.22	40.63	-27.57	68.2	30.48	34.3	13.78	37.93	400	72	A	V
	*	5955	107.98	-	-	97.79	34.28	13.83	37.92	400	72	P	V
	*	5955	99.58	-	-	89.39	34.28	13.83	37.92	400	72	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 01 5955MHz		11910	50.41	-23.59	74	34.41	38.92	20.09	43.01	200	302	P	H
		11910	41.44	-12.56	54	25.44	38.92	20.09	43.01	200	302	A	H
		17865	55.12	-18.88	74	34.54	41.48	24.53	45.43	400	292	P	H
		17865	45.85	-8.15	54	25.27	41.48	24.53	45.43	400	292	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11910	50.72	-23.28	74	34.72	38.92	20.09	43.01	200	19	P	V
		11910	41.59	-12.41	54	25.59	38.92	20.09	43.01	200	19	A	V
		17865	55.19	-18.81	74	34.61	41.48	24.53	45.43	300	240	P	V
		17865	45.83	-8.17	54	25.25	41.48	24.53	45.43	300	240	A	V
													V
													V
													V
													V
													V
													V
													V
													V



IFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 49 6195MHz		12390	51.11	-22.89	74	34.63	39.01	20.6	43.13	400	220	P	H
		12390	41.57	-12.43	54	25.09	39.01	20.6	43.13	400	220	A	H
		18585	39.5	-34.5	74	50.81	38	15.34	64.65	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		12390	51.91	-22.09	74	35.43	39.01	20.6	43.13	300	289	P	V
		12390	41.57	-12.43	54	25.09	39.01	20.6	43.13	300	289	A	V
		18585	38.81	-35.19	74	50.12	38	15.34	64.65	-	-	P	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 93 6415MHz		12830	51.95	-36.25	88.2	34.11	39.76	21.09	43.01	-	-	P	H
		19245	38.87	-35.13	74	49.55	37.89	15.83	64.4	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		12830	52.1	-36.1	88.2	34.26	39.76	21.09	43.01	-	-	P	V
		19245	38.68	-35.32	74	49.36	37.89	15.83	64.4	-	-	P	V
													V
													V
													V
													V
													V
													V
												V	
												V	
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 5 5925~6425MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 01 5955MHz		5924.54	85.9	-2.3	88.2	75.74	34.3	13.79	37.93	100	108	P	H
		5924.26	63.76	-4.44	68.2	53.6	34.3	13.79	37.93	100	108	A	H
	*	5955	115.38	-	-	105.19	34.28	13.83	37.92	100	108	P	H
	*	5955	107.76	-	-	97.57	34.28	13.83	37.92	100	108	A	H
													H
													H
		5924.26	83.68	-4.52	88.2	73.52	34.3	13.79	37.93	250	96	P	V
		5923.7	60.76	-7.44	68.2	50.6	34.3	13.79	37.93	250	96	A	V
	*	5955	112.19	-	-	102	34.28	13.83	37.92	250	96	P	V
	*	5955	104.97	-	-	94.78	34.28	13.83	37.92	250	96	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 03 5965MHz		5923.44	64.74	-23.46	88.2	54.58	34.3	13.79	37.93	106	112	P	H
		5925	54.09	-14.11	68.2	43.93	34.3	13.79	37.93	106	112	A	H
	*	5965	109.74	-	-	99.58	34.24	13.84	37.92	106	112	P	H
	*	5965	102.01	-	-	91.85	34.24	13.84	37.92	106	112	A	H
													H
													H
		5919.12	61.75	-26.45	88.2	51.6	34.3	13.78	37.93	400	73	P	V
		5918.58	50.77	-17.43	68.2	40.62	34.3	13.78	37.93	400	73	A	V
	*	5965	105.89	-	-	95.73	34.24	13.84	37.92	400	73	P	V
	*	5965	98	-	-	87.84	34.24	13.84	37.92	400	73	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 03 5965MHz		11930	51.55	-22.45	74	35.51	38.96	20.11	43.03	200	330	P	H
		11930	41.35	-12.65	54	25.31	38.96	20.11	43.03	200	330	A	H
		17895	56.7	-17.3	74	35.78	41.84	24.55	45.47	100	354	P	H
		17895	46.18	-7.82	54	25.26	41.84	24.55	45.47	100	354	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11930	50.47	-23.53	74	34.43	38.96	20.11	43.03	200	358	P	V
		11930	41.4	-12.6	54	25.36	38.96	20.11	43.03	200	358	A	V
		17895	55.68	-18.32	74	34.76	41.84	24.55	45.47	100	327	P	V
		17895	46.17	-7.83	54	25.25	41.84	24.55	45.47	100	327	A	V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 51 6205MHz		12410	50.91	-23.09	74	34.41	39.01	20.62	43.13	400	59	P	H
		12410	41.78	-12.22	54	25.28	39.01	20.62	43.13	400	59	A	H
		18615	38.47	-35.53	74	49.75	38	15.35	64.63	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		12410	50.57	-23.43	74	34.07	39.01	20.62	43.13	200	237	P	V
		12410	41.79	-12.21	54	25.29	39.01	20.62	43.13	200	237	A	V
		18615	38.67	-35.33	74	49.95	38	15.35	64.63	-	-	P	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 91 6405MHz		12810	52.01	-36.19	88.2	34.25	39.72	21.06	43.02	-	-	P	H
		19215	39.25	-34.75	74	50.02	37.83	15.8	64.4	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		12810	52.68	-35.52	88.2	34.92	39.72	21.06	43.02	-	-	P	V
		19215	38.75	-35.25	74	49.52	37.83	15.8	64.4	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 5 5925~6425MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 03 5965MHz		5921.64	77.66	-10.54	88.2	67.5	34.3	13.79	37.93	200	103	P	H
		5921.82	60.58	-7.62	68.2	50.42	34.3	13.79	37.93	200	103	A	H
	*	5965	113.01	-	-	102.85	34.24	13.84	37.92	200	103	P	H
	*	5965	103.33	-	-	93.17	34.24	13.84	37.92	200	103	A	H
													H
													H
		5922	77.19	-11.01	88.2	67.03	34.3	13.79	37.93	399	80	P	V
		5921.82	59.58	-8.62	68.2	49.42	34.3	13.79	37.93	399	80	A	V
	*	5965	110.16	-	-	100	34.24	13.84	37.92	399	80	P	V
	*	5965	102.15	-	-	91.99	34.24	13.84	37.92	399	80	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 07 5985MHz		5920.36	56.72	-31.48	88.2	46.56	34.3	13.79	37.93	352	360	P	H
		5921.16	47.07	-21.13	68.2	36.91	34.3	13.79	37.93	352	360	A	H
	*	5985	106.15	-	-	96.03	34.16	13.87	37.91	352	360	P	H
	*	5985	99.06	-	-	88.94	34.16	13.87	37.91	352	360	A	H
													H
													H
		5917.64	55.1	-33.1	88.2	44.95	34.3	13.78	37.93	383	79	P	V
		5894.76	45.04	-23.16	68.2	34.93	34.3	13.75	37.94	383	79	A	V
	*	5985	106.47	-	-	96.35	34.16	13.87	37.91	383	79	P	V
	*	5985	99.51	-	-	89.39	34.16	13.87	37.91	383	79	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 07 5985MHz		11970	50.84	-23.16	74	34.71	39.04	20.15	43.06	200	329	P	H
		11970	40.36	-13.64	54	24.23	39.04	20.15	43.06	200	329	A	H
		17955	55.74	-18.26	74	34.49	42.23	24.56	45.54	100	164	P	H
		17955	45.91	-8.09	54	24.66	42.23	24.56	45.54	100	164	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11970	51.07	-22.93	74	34.94	39.04	20.15	43.06	300	55	P	V
		11970	40.74	-13.26	54	24.61	39.04	20.15	43.06	300	55	A	V
		17955	56.02	-17.98	74	34.77	42.23	24.56	45.54	300	49	P	V
		17955	45.86	-8.14	54	24.61	42.23	24.56	45.54	300	49	A	V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 55 6225MHz		12450	50.91	-23.09	74	34.32	39.05	20.67	43.13	100	308	P	H
		12450	40.96	-13.04	54	24.37	39.05	20.67	43.13	100	308	A	H
		18675	39.19	-34.81	74	50.55	37.85	15.39	64.6	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		12450	50.75	-23.25	74	34.16	39.05	20.67	43.13	200	149	P	V
		12450	40.91	-13.09	54	24.32	39.05	20.67	43.13	200	149	A	V
		18675	38.49	-35.51	74	49.85	37.85	15.39	64.6	-	-	P	V
													V
													V
													V
													V
													V
													V

[illegible]



Band 5 5925~6425MHz

WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 07 5985MHz		5922.92	84.39	-3.81	88.2	74.23	34.3	13.79	37.93	100	52	P	H
		5922.6	61.43	-6.77	68.2	51.27	34.3	13.79	37.93	100	52	A	H
	*	5985	112.71	-	-	102.59	34.16	13.87	37.91	100	52	P	H
	*	5985	103.03	-	-	92.91	34.16	13.87	37.91	100	52	A	H
													H
													H
		5921.64	80.31	-7.89	88.2	70.15	34.3	13.79	37.93	374	68	P	V
		5921.64	61.8	-6.4	68.2	51.64	34.3	13.79	37.93	374	68	A	V
	*	5985	110.52	-	-	100.4	34.16	13.87	37.91	374	68	P	V
	*	5985	101.61	-	-	91.49	34.16	13.87	37.91	374	68	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 5 5925~6425MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 15 6025MHz		5898.6	65.09	-23.11	88.2	54.96	34.3	13.76	37.93	100	49	P	H
		5887.4	56.36	-11.84	68.2	46.26	34.3	13.74	37.94	100	49	A	H
	*	6025	106.78	-	-	96.57	34.2	13.92	37.91	100	49	P	H
	*	6025	98.76	-	-	88.55	34.2	13.92	37.91	100	49	A	H
													H
													H
		5898.28	64.2	-24	88.2	54.07	34.3	13.76	37.93	400	88	P	V
		5905	55.08	-13.12	68.2	44.94	34.3	13.77	37.93	400	88	A	V
	*	6025	104.69	-	-	94.48	34.2	13.92	37.91	400	88	P	V
	*	6025	96.08	-	-	85.87	34.2	13.92	37.91	400	88	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

[illegible]



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 47 6185MHz		12370	50.84	-23.16	74	34.36	39.03	20.58	43.13	100	59	P	H
		12370	41.04	-12.96	54	24.56	39.03	20.58	43.13	100	59	A	H
		18555	37.66	-36.34	74	49.01	38	15.32	64.67	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		12370	50.47	-23.53	74	33.99	39.03	20.58	43.13	400	11	P	V
		12370	41.1	-12.9	54	24.62	39.03	20.58	43.13	400	11	A	V
		18555	37.83	-36.17	74	49.18	38	15.32	64.67	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

[illegible]



Band 5 5925~6425MHz

WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Partial 996/67 CH 15 6025MHz		5897.64	80.57	-7.63	88.2	70.44	34.3	13.76	37.93	100	51	P	H
		5896.36	65.99	-2.21	68.2	55.86	34.3	13.76	37.93	100	51	A	H
	*	6025	109.25	-	-	99.04	34.2	13.92	37.91	100	51	P	H
	*	6025	99.7	-	-	89.49	34.2	13.92	37.91	100	51	A	H
													H
													H
		5900.52	80.67	-7.53	88.2	70.54	34.3	13.76	37.93	400	81	P	V
		5900.52	64.47	-3.73	68.2	54.34	34.3	13.76	37.93	400	81	A	V
	*	6025	106.28	-	-	96.07	34.2	13.92	37.91	400	81	P	V
	*	6025	97.18	-	-	86.97	34.2	13.92	37.91	400	81	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 7 - 6525~6875MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 117 6535MHz		13070	50.62	-37.58	88.2	32.49	39.73	21.37	42.97	-	-	P	H
		19603.8	38.92	-35.08	74	49.06	38	16.18	64.32	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		13070	51.01	-37.19	88.2	32.88	39.73	21.37	42.97	-	-	P	V
		19603.8	38.73	-35.27	74	48.87	38	16.18	64.32	-	-	P	V
													V
													V
													V
													V
													V
													V



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 6695MHz		13390	52.46	-21.54	74	33.59	40.16	21.84	43.13	350	193	P	H
		13390	43.22	-10.78	54	24.35	40.16	21.84	43.13	350	193	A	H
		20085	38.81	-35.19	74	48.03	38.1	16.66	63.98	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		13390	53.41	-20.59	74	34.54	40.16	21.84	43.13	150	106	P	V
		13390	43.21	-10.79	54	24.34	40.16	21.84	43.13	150	106	A	V
		20085	38.42	-35.58	74	47.64	38.1	16.66	63.98	-	-	P	V
													V
													V
													V
													V
													V
													V
													V

[illegible]

Band 7 - 6525~6875MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

[illegible]



WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 149 6695MHz		13390	52.86	-21.14	74	33.99	40.16	21.84	43.13	300	298	P	H
		13390	43.03	-10.97	54	24.16	40.16	21.84	43.13	300	298	A	H
		20085	38.95	-35.05	74	48.17	38.1	16.66	63.98	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		13390	52.51	-21.49	74	33.64	40.16	21.84	43.13	250	41	P	V
		13390	42.99	-11.01	54	24.12	40.16	21.84	43.13	250	41	A	V
		20085	38.8	-35.2	74	48.02	38.1	16.66	63.98	-	-	P	V
													V
													V
													V
													V
													V
													V
													V

[illegible]

Band 7 - 6525~6875MHz
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

[illegible]

[illegible]

[illegible]



Band 7 - 6525~6875MHz
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 135 6625MHz		13250	52.69	-21.31	74	34.27	39.85	21.63	43.06	400	96	P	H
		13250	42.64	-11.36	54	24.22	39.85	21.63	43.06	400	96	A	H
		19875	40.04	-33.96	74	49.73	37.95	16.46	64.1	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		13250	52.11	-21.89	74	33.69	39.85	21.63	43.06	400	59	P	V
		13250	42.77	-11.23	54	24.35	39.85	21.63	43.06	400	59	A	V
		19875	39.24	-34.76	74	48.93	37.95	16.46	64.1	-	-	P	V
													V
													V
													V
													V
													V
													V

[illegible]

[illegible]

Band 7 - 6525~6875MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

[illegible]



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is Margin line.
P/A	P eak or A verage
H/V	H orizontal or V ertical

A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		5925	55.45	-32.75	88.2	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
5955MHz		5925	43.54	-24.66	68.2	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 5925MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
 = 55.45 (dBμV/m)
2. Margin (dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 88.2(dBμV/m)
 = -32.75(dB)

For Average Limit @ 5925MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54(dBμV/m)
2. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54 (dBμV/m) – 68.2(dBμV/m)
 = -24.66(dB)

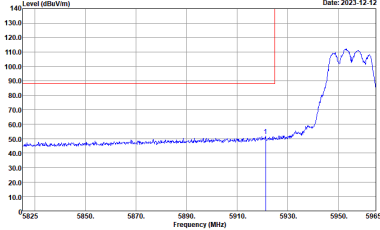
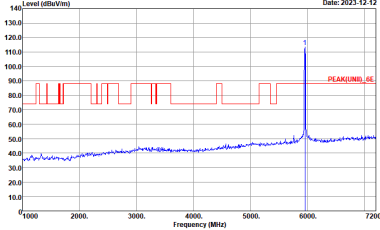
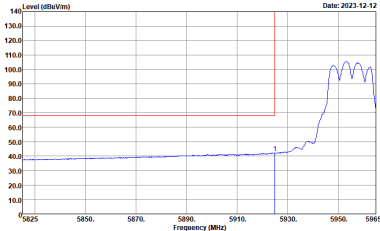
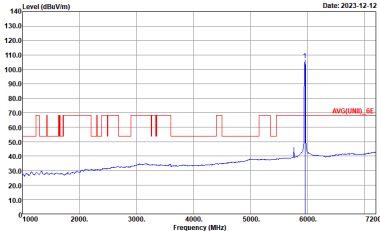
Both peak and average measured complies with the limit line, so test result is “PASS”.



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	John Chuang, David Dai and Howard Huang	Temperature :	18.9~23.4°C
		Relative Humidity :	65.7~69.9%

Band 5 - 5925~6425MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
6+7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK(UNIT)_6E 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH20-HY Condition : AVG_BE(UNIT)_6E 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto	 Site : 03CH20-HY Condition : AVG(UNIT)_6E 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:0.620KHz SWT:Auto