



Appendix E. Cabinet Radiated Spurious Emission

Test Engineer :	JC Liang, Leo Luo, and Jacky Hong	Temperature :	18~21°C
		Relative Humidity :	38~42%

Band 4 - 5725~5850MHz

WIFI 802.11ax HE40 (Band Edge @ 3m)

WIFI Ant. 4*4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 CH 159 5795MHz		5644.775	61.1	-7.1	68.2	47.97	31.84	11.19	29.9	186	238	P	H
		5696.75	74.59	-28.21	102.8	61.26	31.95	11.26	29.88	186	238	P	H
		5717	77.71	-32.25	109.96	64.28	32.03	11.29	29.89	186	238	P	H
		5723.075	78.56	-39.25	117.81	65.09	32.06	11.3	29.89	186	238	P	H
	*	5795	127.63	-	-	113.82	32.35	11.4	29.94	186	238	P	H
	*	5795	115.85	-	-	102.04	32.35	11.4	29.94	186	238	A	H
		5850	85.43	-36.77	122.2	71.53	32.4	11.47	29.97	186	238	P	H
		5863.2	81.12	-27.38	108.5	67.17	32.42	11.49	29.96	186	238	P	H
		5882.8	76.13	-23.28	99.41	62.13	32.45	11.51	29.96	186	238	P	H
		5930.6	66.43	-1.77	68.2	52.3	32.53	11.58	29.98	186	238	P	H
													H
		5643.425	61.43	-6.77	68.2	48.18	31.96	11.19	29.9	234	122	P	V
		5692.7	69.87	-29.95	99.82	56.49	32	11.26	29.88	234	122	P	V
		5712.05	74.75	-33.83	108.58	61.29	32.06	11.28	29.88	234	122	P	V
		5724.65	76.23	-45.17	121.4	62.71	32.11	11.3	29.89	234	122	P	V
	*	5795	126.18	-	-	112.35	32.37	11.4	29.94	234	122	P	V
	*	5795	113.02	-	-	99.19	32.37	11.4	29.94	234	122	A	V
		5850.4	81.35	-39.94	121.29	67.33	32.52	11.47	29.97	234	122	P	V
		5856.4	77.46	-32.95	110.41	63.42	32.53	11.48	29.97	234	122	P	V
		5875.4	72.13	-32.77	104.9	58.04	32.55	11.5	29.96	234	122	P	V
		5938.4	60.93	-7.27	68.2	46.74	32.59	11.59	29.99	234	122	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 4 5725~5850MHz****WIFI 802.11ax HE40 (Harmonic @ 3m)**

WIFI Ant. 4*4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 CH 159 5795MHz		11590	55.95	-18.05	74	59.53	40.1	16	59.68	307	303	P	H
		11590	52.03	-1.97	54	55.61	40.1	16	59.68	307	303	A	H
		17385	48.54	-19.66	68.2	45.96	41.59	18.97	57.98	100	0	P	H
													H
		11590	56.97	-17.03	74	60.49	40.16	16	59.68	152	343	P	V
		11590	53.59	-0.41	54	57.11	40.16	16	59.68	152	343	A	V
		17385	49.37	-18.83	68.2	46.66	41.72	18.97	57.98	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

5GHz WIFI 802.11ax HE40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4*4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11ax HE40 LF		30	21.66	-18.34	40	27.89	25	1.2	32.43	-	-	P	H
		105.66	22.77	-20.73	43.5	36.79	16.57	1.8	32.39	-	-	P	H
		500.45	25.55	-20.45	46	30.88	23.9	3.5	32.73	-	-	P	H
		624.61	30.87	-15.13	46	33.75	25.88	4.09	32.85	-	-	P	H
		752.65	30.01	-15.99	46	30.3	28.15	4.3	32.74	-	-	P	H
		874.87	37.13	-8.87	46	35.11	29.3	4.89	32.17	100	0	P	H
													H
													H
													H
													H
													H
													H
		36.79	23.09	-16.91	40	32.9	21.28	1.33	32.42	-	-	P	V
		159.98	21.76	-21.74	43.5	35.46	16.6	2.09	32.39	-	-	P	V
		177.44	20.08	-23.42	43.5	35.09	15.16	2.23	32.4	-	-	P	V
		600.36	40.89	-5.11	46	44.04	25.7	4.01	32.86	100	0	P	V
		758.47	29.8	-16.2	46	29.99	28.2	4.34	32.73	-	-	P	V
		874.87	37.24	-8.76	46	35.22	29.3	4.89	32.17	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Band 4 - 5725~5850MHz

WIFI 802.11ax HE40 (Band Edge @ 3m)

WIFI Ant. 8*8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 CH 151 5755MHz		5608.775	60.93	-7.27	68.2	47.77	31.89	11.15	29.88	189	112	P	H
		5699.675	63.95	-41.01	104.96	50.6	31.96	11.27	29.88	189	112	P	H
		5714.3	70.48	-38.73	109.21	57.06	32.02	11.29	29.89	189	112	P	H
		5723.3	77.53	-40.79	118.32	64.06	32.06	11.3	29.89	189	112	P	H
	*	5755	124.37	-	-	110.73	32.2	11.34	29.9	189	112	P	H
	*	5755	111.82	-	-	98.18	32.2	11.34	29.9	189	112	A	H
		5851.4	61.29	-57.72	119.01	47.39	32.4	11.47	29.97	189	112	P	H
		5859.8	62.46	-46.99	109.45	48.54	32.41	11.48	29.97	189	112	P	H
		5907.8	62.61	-18.28	80.89	48.54	32.48	11.55	29.96	189	112	P	H
		5930.8	61.39	-6.81	68.2	47.26	32.53	11.58	29.98	189	112	P	H
													H
													H
		5642.075	57.13	-11.07	68.2	43.88	31.96	11.19	29.9	282	237	P	V
		5698.775	60.45	-43.85	104.3	47.05	32.01	11.27	29.88	282	237	P	V
		5716.1	73.67	-36.04	109.71	60.19	32.08	11.29	29.89	282	237	P	V
		5720.375	68.85	-42.81	111.66	55.34	32.1	11.3	29.89	282	237	P	V
	*	5755	123.27	-	-	109.59	32.24	11.34	29.9	282	237	P	V
	*	5755	110.71	-	-	97.03	32.24	11.34	29.9	282	237	A	V
		5854.8	56.76	-54.5	111.26	42.73	32.52	11.48	29.97	282	237	P	V
		5857.6	58.69	-51.38	110.07	44.65	32.53	11.48	29.97	282	237	P	V
		5878.4	56.98	-45.69	102.67	42.88	32.55	11.51	29.96	282	237	P	V
		5941.2	56.22	-11.98	68.2	42.03	32.59	11.59	29.99	282	237	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 4 5725~5850MHz****WIFI 802.11ax HE40 (Harmonic @ 3m)**

WIFI Ant. 8*8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 CH 151 5755MHz		11510	49.68	-24.32	74	52.92	40.28	15.96	59.48	100	0	P	H
		17265	48.66	-19.54	68.2	47.55	40.68	18.9	58.47	100	0	P	H
													H
													H
		11510	53.63	-20.37	74	56.81	40.34	15.96	59.48	159	340	P	V
		11510	48.32	-5.68	54	51.5	40.34	15.96	59.48	159	340	A	V
		17265	49.03	-19.17	68.2	47.73	40.87	18.9	58.47	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



<Band-edge Unmodulated>

Band 4 - 5725~5850MHz

WIFI 802.11ax HE20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
4*4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 CH 149 5745MHz		5648	60.92	-7.28	68.2	47.78	31.84	11.2	29.9	243	72	P	H
		5697	68.68	-34.31	102.99	55.35	31.95	11.26	29.88	243	72	P	H
		5720	82.71	-28.09	110.8	69.26	32.05	11.29	29.89	243	72	P	H
		5722	86.21	-29.15	115.36	72.74	32.06	11.3	29.89	243	72	P	H
	*	5745	125.02	-	-	111.43	32.16	11.33	29.9	243	72	P	H
	*	5745	114.25	-	-	100.66	32.16	11.33	29.9	243	72	A	H
													H
													H
		5644.2	63.82	-4.38	68.2	50.58	31.95	11.19	29.9	299	125	P	V
		5693.8	72.26	-28.37	100.63	58.88	32	11.26	29.88	299	125	P	V
		5720	84.16	-26.64	110.8	70.67	32.09	11.29	29.89	299	125	P	V
		5724	89.14	-30.78	119.92	75.62	32.11	11.3	29.89	299	125	P	V
	*	5745	128.84	-	-	115.21	32.2	11.33	29.9	299	125	P	V
	*	5745	118.51	-	-	104.88	32.2	11.33	29.9	299	125	A	V
													V
													V



WIFI Ant. 4*4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 CH 165 5825MHz	*	5825	123.47	-	-	109.59	32.39	11.44	29.95	283	73	P	H
	*	5825	113.48	-	-	99.6	32.39	11.44	29.95	283	73	A	H
		5850.2	81.4	-40.34	121.74	67.5	32.4	11.47	29.97	283	73	P	H
		5860.4	75.28	-34.01	109.29	61.36	32.41	11.48	29.97	283	73	P	H
		5887.2	65.82	-30.32	96.14	51.81	32.45	11.52	29.96	283	73	P	H
		5926.2	61.67	-6.53	68.2	47.56	32.52	11.57	29.98	283	73	P	H
													H
													H
	*	5825	129.46	-	-	115.51	32.46	11.44	29.95	293	128	P	V
	*	5825	119.01	-	-	105.06	32.46	11.44	29.95	293	128	A	V
		5851.2	86.17	-33.29	119.46	72.15	32.52	11.47	29.97	293	128	P	V
		5855.6	82.36	-28.27	110.63	68.32	32.53	11.48	29.97	293	128	P	V
		5875.4	71.16	-33.74	104.9	57.07	32.55	11.5	29.96	293	128	P	V
		5925.2	64.98	-3.22	68.2	50.81	32.58	11.57	29.98	293	128	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE40 (Band Edge @ 3m)

WIFI Ant. 4*4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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)
		5638.025	63.45	-4.75	68.2	50.32	31.85	11.18	29.9	251	71	P	H
		5699	76.79	-27.67	104.46	63.45	31.95	11.27	29.88	251	71	P	H
		5718.575	86.13	-24.27	110.4	72.69	32.04	11.29	29.89	251	71	P	H
		5723.525	91.03	-27.81	118.84	77.56	32.06	11.3	29.89	251	71	P	H
	*	5755	121.71	-	-	108.07	32.2	11.34	29.9	251	71	P	H
	*	5755	110.66	-	-	97.02	32.2	11.34	29.9	251	71	A	H
		5850.2	65.6	-56.14	121.74	51.7	32.4	11.47	29.97	251	71	P	H
		5868.2	65.63	-41.47	107.1	51.67	32.43	11.49	29.96	251	71	P	H
		5906.8	62.71	-18.92	81.63	48.64	32.48	11.55	29.96	251	71	P	H
		5939	62.01	-6.19	68.2	47.87	32.54	11.59	29.99	251	71	P	H
802.11ax HE40 CH 151 5755MHz													H
													H
		5641.4	67.95	-0.25	68.2	54.7	31.96	11.19	29.9	281	128	P	V
		5696.3	82.02	-20.45	102.47	68.63	32.01	11.26	29.88	281	128	P	V
		5717.9	91.83	-18.38	110.21	78.34	32.09	11.29	29.89	281	128	P	V
		5724.425	98.53	-22.36	120.89	85.01	32.11	11.3	29.89	281	128	P	V
	*	5755	126.16	-	-	112.48	32.24	11.34	29.9	281	128	P	V
	*	5755	115.9	-	-	102.22	32.24	11.34	29.9	281	128	A	V
		5855	68.62	-42.18	110.8	54.58	32.53	11.48	29.97	281	128	P	V
		5856.2	71.17	-39.29	110.46	57.13	32.53	11.48	29.97	281	128	P	V
		5877.4	69.41	-34.01	103.42	55.31	32.55	11.51	29.96	281	128	P	V
		5925.4	63.24	-4.96	68.2	49.07	32.58	11.57	29.98	281	128	P	V
													V
													V



WIFI Ant. 4*4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 CH 159 5795MHz		5615.3	61.05	-7.15	68.2	47.91	31.88	11.15	29.89	260	71	P	H
		5686.175	63.92	-31.08	95	50.64	31.92	11.25	29.89	260	71	P	H
		5710.925	69.95	-38.31	108.26	56.54	32.01	11.28	29.88	260	71	P	H
		5719.925	67.22	-43.56	110.78	53.77	32.05	11.29	29.89	260	71	P	H
	*	5795	121.19	-	-	107.38	32.35	11.4	29.94	260	71	P	H
	*	5795	110.14	-	-	96.33	32.35	11.4	29.94	260	71	A	H
		5850.6	80.17	-40.66	120.83	66.27	32.4	11.47	29.97	260	71	P	H
		5866.2	72.64	-35.02	107.66	58.69	32.42	11.49	29.96	260	71	P	H
		5887.8	66.59	-29.11	95.7	52.57	32.45	11.52	29.95	260	71	P	H
		5948.8	61.97	-6.23	68.2	47.81	32.56	11.6	30	260	71	P	H
													H
													H
		5602.475	62.04	-6.16	68.2	48.79	31.99	11.14	29.88	290	128	P	V
		5676.725	66.13	-21.89	88.02	52.8	31.98	11.24	29.89	290	128	P	V
		5703.95	72.39	-33.92	106.31	58.97	32.03	11.27	29.88	290	128	P	V
		5724.425	77.71	-43.18	120.89	64.19	32.11	11.3	29.89	290	128	P	V
	*	5795	126.76	-	-	112.93	32.37	11.4	29.94	290	128	P	V
	*	5795	115.99	-	-	102.16	32.37	11.4	29.94	290	128	A	V
		5854.6	80.87	-30.84	111.71	66.84	32.52	11.48	29.97	290	128	P	V
		5870.2	79.99	-26.55	106.54	65.91	32.54	11.5	29.96	290	128	P	V
		5879	76.5	-25.73	102.23	62.4	32.55	11.51	29.96	290	128	P	V
		5942.2	65.06	-3.14	68.2	50.87	32.59	11.59	29.99	290	128	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE80 (Band Edge @ 3m)

WIFI Ant. 4*4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 CH 155 5775MHz		5649.4	64.04	-4.16	68.2	50.9	31.84	11.2	29.9	290	80	P	H
		5684.2	77.61	-15.93	93.54	64.33	31.92	11.25	29.89	290	80	P	H
		5717.2	83.44	-26.58	110.02	70	32.04	11.29	29.89	290	80	P	H
		5723.4	85.73	-32.82	118.55	72.26	32.06	11.3	29.89	290	80	P	H
	*	5775	114.31	-	-	100.58	32.28	11.37	29.92	290	80	P	H
	*	5775	102.74	-	-	89.01	32.28	11.37	29.92	290	80	A	H
		5850	77.66	-44.54	122.2	63.76	32.4	11.47	29.97	290	80	P	H
		5870	78.46	-28.14	106.6	64.49	32.43	11.5	29.96	290	80	P	H
		5877.2	64.96	-38.61	103.57	50.97	32.44	11.51	29.96	290	80	P	H
		5937.6	61.09	-7.11	68.2	46.95	32.54	11.59	29.99	290	80	P	H
													H
													H
		5622	67.33	-0.87	68.2	54.09	31.97	11.16	29.89	307	127	P	V
		5683.2	84.02	-8.78	92.8	70.67	31.99	11.25	29.89	307	127	P	V
		5720	86.85	-23.95	110.8	73.36	32.09	11.29	29.89	307	127	P	V
		5722	92.41	-22.95	115.36	78.9	32.1	11.3	29.89	307	127	P	V
	*	5775	118.54	-	-	104.78	32.31	11.37	29.92	307	127	P	V
	*	5775	107.18	-	-	93.42	32.31	11.37	29.92	307	127	A	V
		5854.8	76.14	-35.12	111.26	62.11	32.52	11.48	29.97	307	127	P	V
		5863.2	85.7	-22.8	108.5	71.64	32.53	11.49	29.96	307	127	P	V
		5877.2	79.34	-24.23	103.57	65.24	32.55	11.51	29.96	307	127	P	V
		5935.8	65.18	-3.02	68.2	51.01	32.58	11.58	29.99	307	127	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



<Middle Unmodulated>

Band 4 - 5725~5850MHz

WIFI 802.11ax HE20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
4*4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 CH 149 5745MHz		5642.6	61.79	-6.41	68.2	48.66	31.84	11.19	29.9	295	3	P	H
		5698.6	76.38	-27.79	104.17	63.04	31.95	11.27	29.88	295	3	P	H
		5719	94.26	-16.26	110.52	80.82	32.04	11.29	29.89	295	3	P	H
		5723.4	98.31	-20.24	118.55	84.84	32.06	11.3	29.89	295	3	P	H
	*	5745	123.63	-	-	110.04	32.16	11.33	29.9	295	3	P	H
	*	5745	113.57	-	-	99.98	32.16	11.33	29.9	295	3	A	H
													H
													H
		5649	65.37	-2.83	68.2	52.12	31.95	11.2	29.9	300	184	P	V
		5699	81.61	-22.85	104.46	68.21	32.01	11.27	29.88	300	184	P	V
		5720	94.73	-16.07	110.8	81.24	32.09	11.29	29.89	300	184	P	V
		5723.2	102.94	-15.16	118.1	89.42	32.11	11.3	29.89	300	184	P	V
	*	5745	126.98	-	-	113.35	32.2	11.33	29.9	300	184	P	V
	*	5745	117.05	-	-	103.42	32.2	11.33	29.9	300	184	A	V
													V
													V



WIFI Ant. 4*4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 CH 165 5825MHz	*	5825	124.35	-	-	110.47	32.39	11.44	29.95	259	347	P	H
	*	5825	114.59	-	-	100.71	32.39	11.44	29.95	259	347	A	H
		5850	89.74	-32.46	122.2	75.84	32.4	11.47	29.97	259	347	P	H
		5857.2	91.55	-18.63	110.18	77.63	32.41	11.48	29.97	259	347	P	H
		5875.2	79.57	-25.48	105.05	65.59	32.44	11.5	29.96	259	347	P	H
		5926.8	63.42	-4.78	68.2	49.31	32.52	11.57	29.98	259	347	P	H
													H
													H
	*	5825	128.76	-	-	114.81	32.46	11.44	29.95	259	40	P	V
	*	5825	118.75	-	-	104.8	32.46	11.44	29.95	259	40	A	V
		5851	97.05	-22.87	119.92	83.03	32.52	11.47	29.97	259	40	P	V
		5858.6	95.49	-14.3	109.79	81.45	32.53	11.48	29.97	259	40	P	V
		5875	83.46	-21.74	105.2	69.38	32.54	11.5	29.96	259	40	P	V
		5929.6	66.85	-1.35	68.2	52.67	32.58	11.58	29.98	259	40	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE40 (Band Edge @ 3m)

WIFI Ant. 4*4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 CH 151 5755MHz		5647.6	64.47	-3.73	68.2	51.33	31.84	11.2	29.9	331	0	P	H
		5657	68.06	-5.34	73.4	54.9	31.85	11.21	29.9	331	0	P	H
		5717.2	89.7	-20.32	110.02	76.26	32.04	11.29	29.89	331	0	P	H
		5720.6	83.72	-28.45	112.17	70.26	32.05	11.3	29.89	331	0	P	H
	*	5755	119.27	-	-	105.63	32.2	11.34	29.9	331	0	P	H
	*	5755	108.06	-	-	94.42	32.2	11.34	29.9	331	0	A	H
		5854.8	63.54	-47.72	111.26	49.62	32.41	11.48	29.97	331	0	P	H
		5858	69.23	-40.73	109.96	55.31	32.41	11.48	29.97	331	0	P	H
		5881.2	62.4	-38.19	100.59	48.41	32.44	11.51	29.96	331	0	P	H
		5939	56.75	-11.45	68.2	42.61	32.54	11.59	29.99	331	0	P	H
													H
													H
		5645.2	66.96	-1.24	68.2	53.72	31.95	11.19	29.9	258	60	P	V
		5650.6	65.95	-2.7	68.65	52.7	31.95	11.2	29.9	258	60	P	V
		5707.2	89.84	-17.38	107.22	76.4	32.04	11.28	29.88	258	60	P	V
		5722.6	89.06	-27.67	116.73	75.55	32.1	11.3	29.89	258	60	P	V
	*	5755	124.25	-	-	110.57	32.24	11.34	29.9	258	60	P	V
	*	5755	113.29	-	-	99.61	32.24	11.34	29.9	258	60	A	V
		5850	69.09	-53.11	122.2	55.07	32.52	11.47	29.97	258	60	P	V
		5866.6	68.9	-38.65	107.55	54.83	32.54	11.49	29.96	258	60	P	V
		5884.6	64.65	-33.42	98.07	50.54	32.55	11.52	29.96	258	60	P	V
		5929.6	58.85	-9.35	68.2	44.67	32.58	11.58	29.98	258	60	P	V
													V
													V



WIFI Ant. 4*4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 CH 159 5795MHz		5638	60.49	-7.71	68.2	47.36	31.85	11.18	29.9	260	347	P	H
		5659	65.45	-9.43	74.88	52.28	31.86	11.21	29.9	260	347	P	H
		5719	77.05	-33.47	110.52	63.61	32.04	11.29	29.89	260	347	P	H
		5720.2	79.32	-31.94	111.26	65.86	32.05	11.3	29.89	260	347	P	H
	*	5795	121.83	-	-	108.02	32.35	11.4	29.94	260	347	P	H
	*	5795	110.93	-	-	97.12	32.35	11.4	29.94	260	347	A	H
		5850	71.64	-50.56	122.2	57.74	32.4	11.47	29.97	260	347	P	H
		5861.6	78.85	-30.1	108.95	64.92	32.42	11.48	29.97	260	347	P	H
		5921.4	65.16	-5.69	70.85	51.06	32.51	11.56	29.97	260	347	P	H
		5937.4	62.33	-5.87	68.2	48.19	32.54	11.59	29.99	260	347	P	H
													H
													H
		5648.8	63.12	-5.08	68.2	49.87	31.95	11.2	29.9	260	39	P	V
		5652	65.6	-4.09	69.69	52.35	31.95	11.2	29.9	260	39	P	V
		5720	75.59	-35.21	110.8	62.1	32.09	11.29	29.89	260	39	P	V
		5725	76.76	-45.44	122.2	63.24	32.11	11.3	29.89	260	39	P	V
	*	5795	125.66	-	-	111.83	32.37	11.4	29.94	260	39	P	V
	*	5795	114.65	-	-	100.82	32.37	11.4	29.94	260	39	A	V
		5850.2	81.58	-40.16	121.74	67.56	32.52	11.47	29.97	260	39	P	V
		5872.8	81.77	-24.05	105.82	67.69	32.54	11.5	29.96	260	39	P	V
		5922	65.09	-5.32	70.41	50.91	32.58	11.57	29.97	260	39	P	V
		5928.8	67.04	-1.16	68.2	52.87	32.58	11.57	29.98	260	39	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE80 (Band Edge @ 3m)

WIFI Ant. 4*4	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 CH 155 5775MHz		5625.2	62.24	-5.96	68.2	49.09	31.87	11.17	29.89	316	190	P	H
		5655.6	63.62	-8.74	72.36	50.46	31.85	11.21	29.9	316	190	P	H
		5720	78.19	-32.61	110.8	64.74	32.05	11.29	29.89	316	190	P	H
		5721	78.98	-34.1	113.08	65.52	32.05	11.3	29.89	316	190	P	H
	*	5775	113.26	-	-	99.53	32.28	11.37	29.92	316	190	P	H
	*	5775	102.26	-	-	88.53	32.28	11.37	29.92	316	190	A	H
		5851	66.6	-53.32	119.92	52.7	32.4	11.47	29.97	316	190	P	H
		5861.2	72.29	-36.77	109.06	58.36	32.42	11.48	29.97	316	190	P	H
		5920.6	61.34	-10.1	71.44	47.24	32.51	11.56	29.97	316	190	P	H
		5928.2	62.44	-5.76	68.2	48.33	32.52	11.57	29.98	316	190	P	H
													H
													H
		5629.8	66.57	-1.63	68.2	53.32	31.97	11.17	29.89	248	38	P	V
		5654.4	66.51	-4.96	71.47	53.24	31.96	11.21	29.9	248	38	P	V
		5720	77.36	-33.44	110.8	63.87	32.09	11.29	29.89	248	38	P	V
		5722.8	82.93	-34.25	117.18	69.41	32.11	11.3	29.89	248	38	P	V
	*	5775	117.76	-	-	104	32.31	11.37	29.92	248	38	P	V
	*	5775	106.95	-	-	93.19	32.31	11.37	29.92	248	38	A	V
		5850.4	75.51	-45.78	121.29	61.49	32.52	11.47	29.97	248	38	P	V
		5863.2	77.54	-30.96	108.5	63.48	32.53	11.49	29.96	248	38	P	V
		5922.8	60.61	-9.21	69.82	46.43	32.58	11.57	29.97	248	38	P	V
		5930	66.42	-1.78	68.2	52.24	32.58	11.58	29.98	248	38	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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 over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	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. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

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. Over Limit(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 74(dBμV/m)
 = -18.55(dB)

For Average Limit @ 2390MHz:

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. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

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

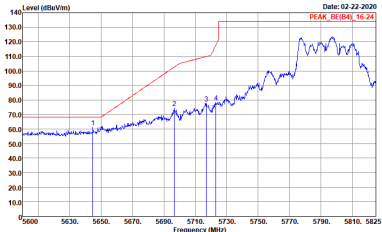
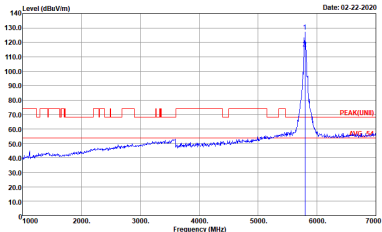
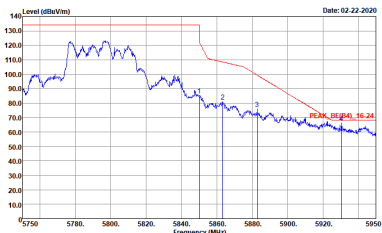


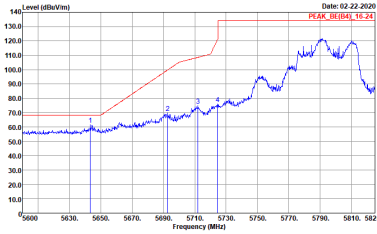
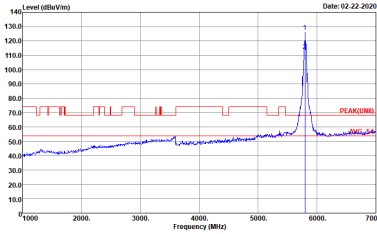
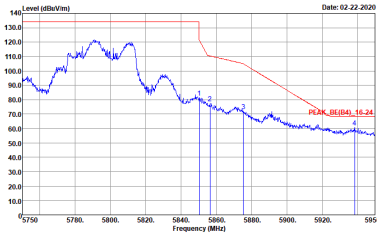
Appendix F. Cabinet Radiated Spurious Emission Plots

Test Engineer :	JC Liang, Leo Luo, and Jacky Hong	Temperature :	18~21°C
		Relative Humidity :	38~42%

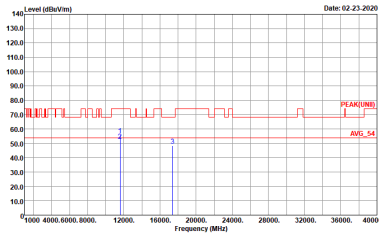
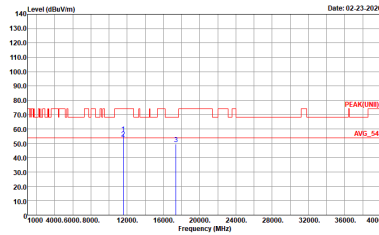
Band 4 - 5725~5850MHz

WIFI 802.11ax HE40 (Band Edge @ 3m)

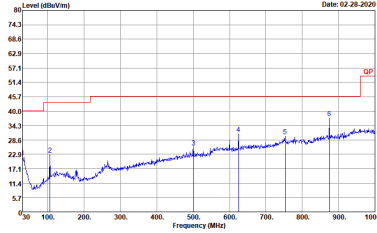
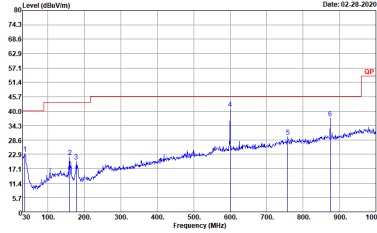
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 CH159 5795MHz	
4*4	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(UNII) 3m HORN 9120D-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 CH159 5795MHz	
4*4	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN 91200-HF_01894 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

Band 4 5725~5850MHz
WIFI 802.11ax HE40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 CH159 5795MHz	
4*4	Horizontal	Vertical
Peak Avg.	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN 9120D-HF_01894 HORIZONTAL Detector : Peak	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN 9120D-HF_01894 VERTICAL Detector : Peak

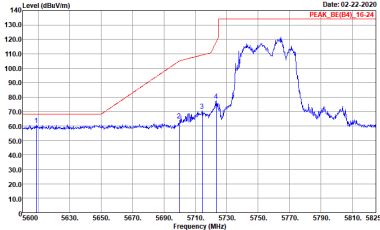
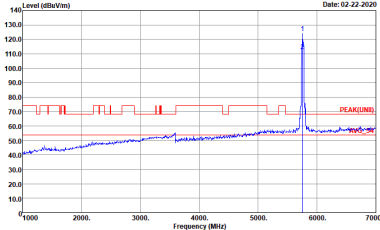
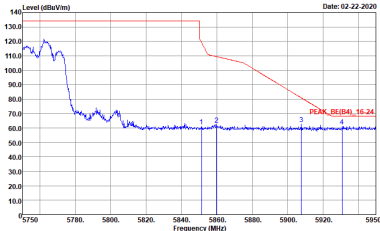
Emission below 1GHz
5GHz WIFI 802.11ax HE40 (LF)

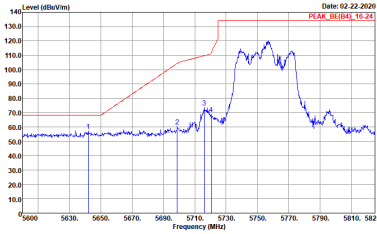
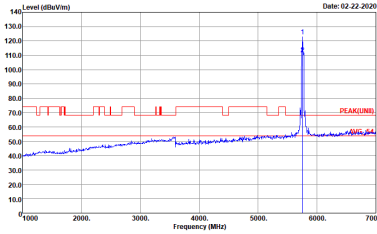
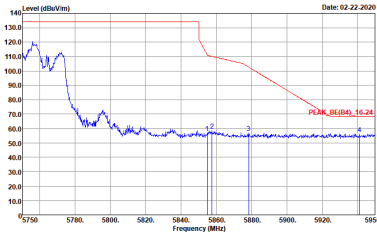
WIFI	5GHz 5725~5850MHz	
ANT	802.11ax HE40 LF	
4*4	Horizontal	Vertical
QP / Peak	 Site : 03CH01-CA Condition : QP 3m BIL06 6111D-LF_50391 HORIZONTAL Detector : Peak	 Site : 03CH01-CA Condition : QP 3m BIL06 6111D-LF_50391 VERTICAL Detector : Peak



Band 4 - 5725~5850MHz

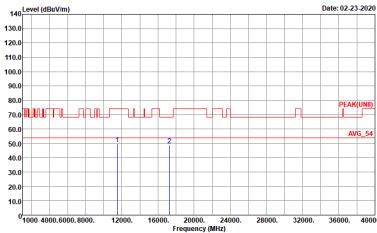
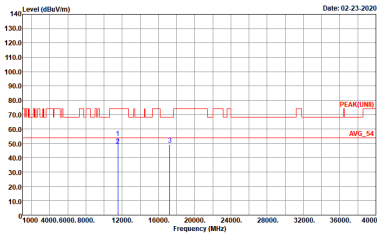
WIFI 802.11ax HE40 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 CH151 5755MHz	
8*8	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(B4)_16-24 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

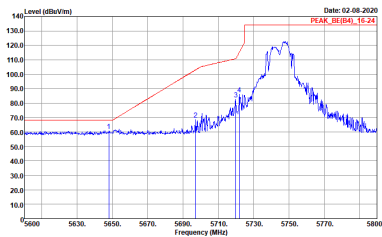
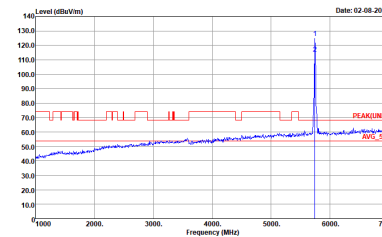
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 CH151 5755MHz	
8*8	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH01-CA Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

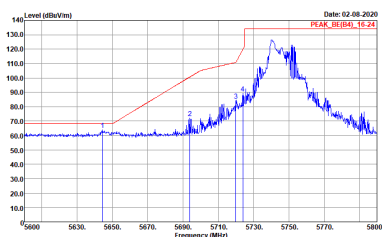
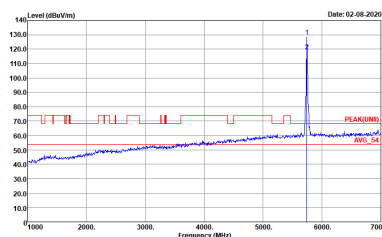


Band 4 5725~5850MHz
WIFI 802.11ax HE40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ax HE40 CH151 5755MHz	
8*8	Horizontal	Vertical
Peak Avg.	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN 9120D-HF_01894 HORIZONTAL Detector : Peak	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN 9120D-HF_01894 VERTICAL Detector : Peak

Band 4 - 5725~5850MHz
WIFI 802.11ax HE20 (Band Edge @ 3m)

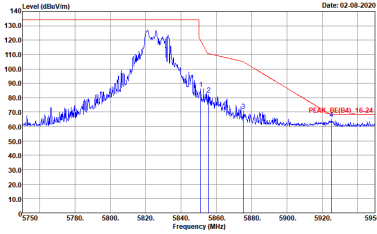
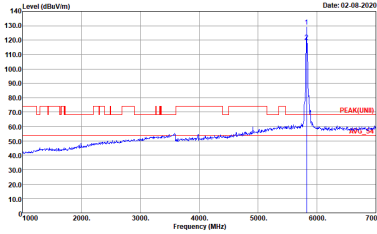
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 CH149 5745MHz	
4*4	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF_01894 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN 9120D-HF_01894 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 CH149 5745MHz	
4*4	Vertical	Fundamental
Peak Avg.	 Site : 09CH01-CA Condition : PEAK_R1(04)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 09CH01-CA Condition : PEAK_R1(04)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 CH165 5825MHz	
4*4	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 02-08-2020 Frequency (MHz) Site : 09CH01-CA Condition : PEAK_8C(B4)_16-24 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 02-08-2020 Frequency (MHz) Site : 09CH01-CA Condition : PEAK(UNIT) 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

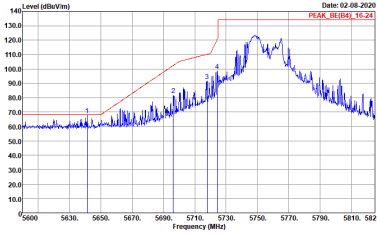
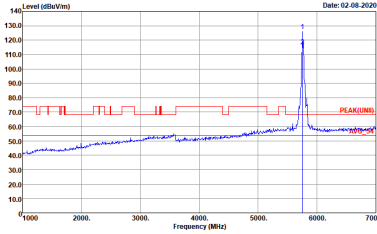
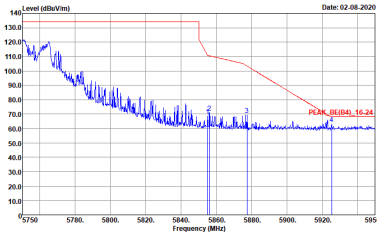


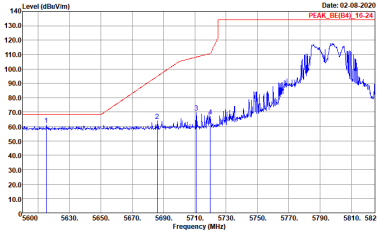
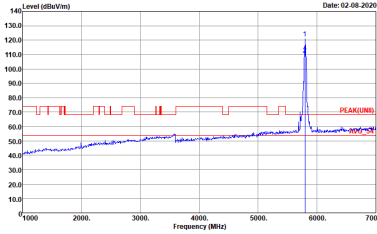
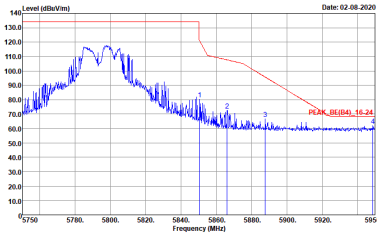
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 CH165 5825MHz	
4*4	Vertical	Fundamental
Peak Avg.	 Site : 09CH01-CA Condition : PEAK_80[84]_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 09CH01-CA Condition : PEAK[UNIT] 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

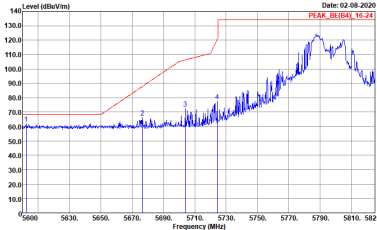
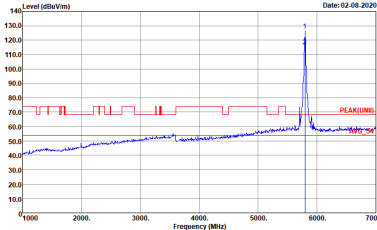
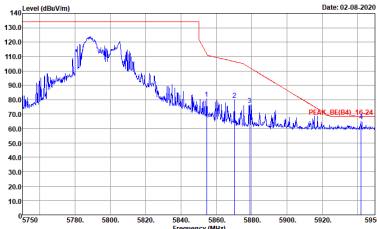


Band 4 5725~5850MHz
WIFI 802.11ax HE40 (Band Edge @ 3m)

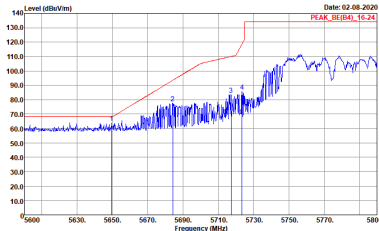
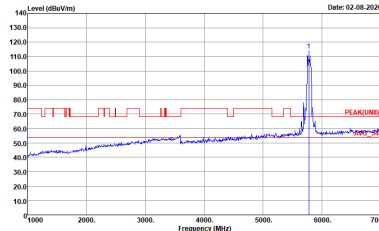
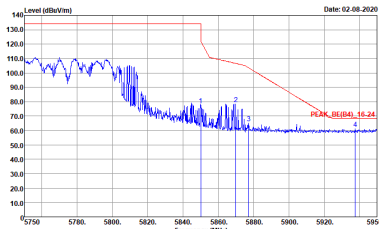
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 CH151 5755MHz	
4*4	Horizontal	Fundamental
Peak	Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

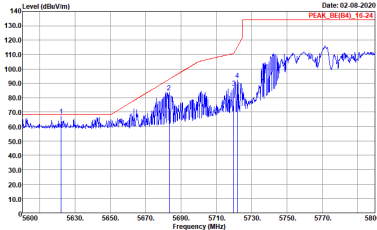
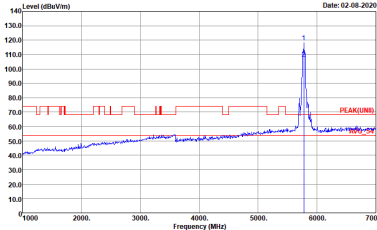
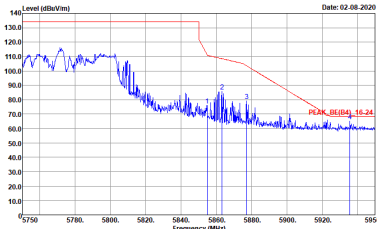
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 CH151 5755MHz	
4*4	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(LINE1) 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 CH159 5795MHz	
4*4	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(FUN1) 3m HORN 9120D-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

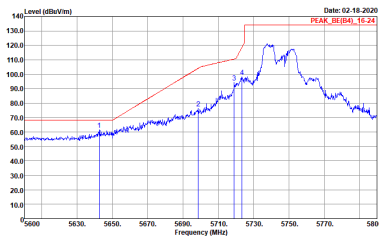
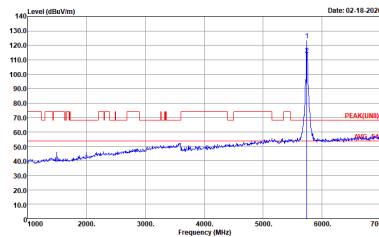
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 CH159 5795MHz	
4*4	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(FUND)_1 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

Band 4 5725~5850MHz
WIFI 802.11ax HE80 (Band Edge @ 3m)

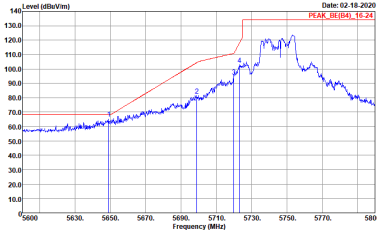
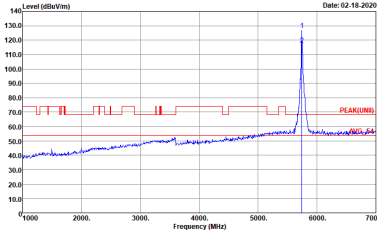
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 CH155 5775MHz	
4*4	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 CH155 5775MHz	
4*4	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(UNIT1) 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH01-CA Condition : PEAK_BE(04)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

Band 4 - 5725~5850MHz
WIFI 802.11ax HE20 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 CH149 5745MHz	
4*4	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF_01894 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(LINB) 3m HORN 9120D-HF_01894 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

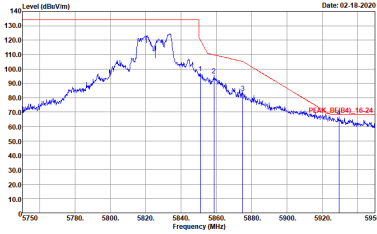
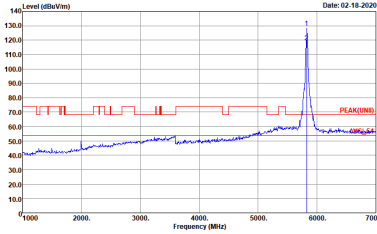


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 CH149 5745MHz	
4*4	Vertical	Fundamental
Peak Avg.	 Site : 09CH01-CA Condition : PEAK_RE(04)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 09CH01-CA Condition : PEAK_UNB 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

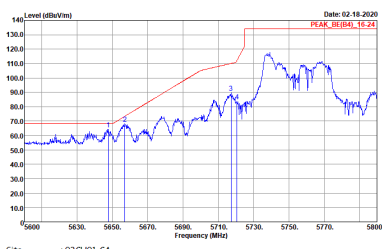
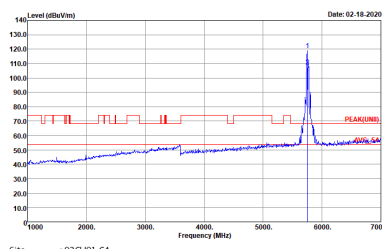
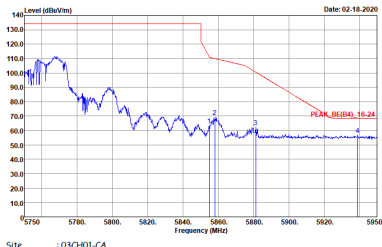


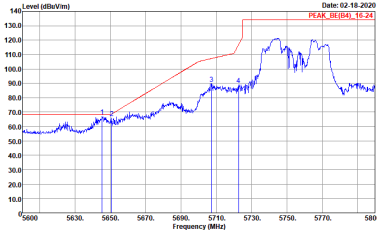
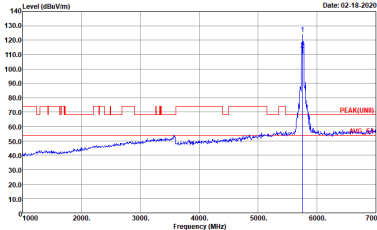
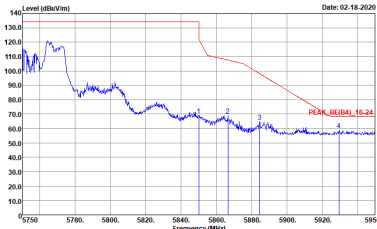
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 CH165 5825MHz	
4*4	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 02-18-2020 Frequency (MHz) Site : 09CH01-CA Condition : PEAK_8C(B4)_16-24 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 02-18-2020 Frequency (MHz) Site : 09CH01-CA Condition : PEAK(UNIT) 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

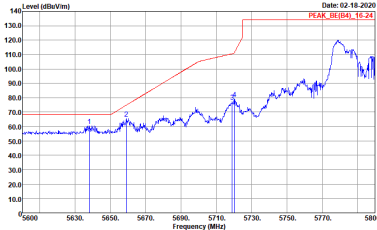
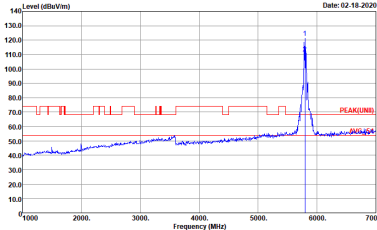
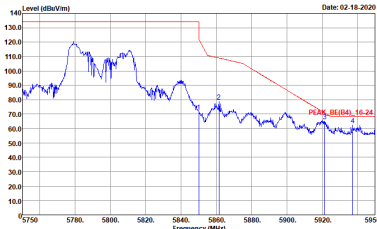


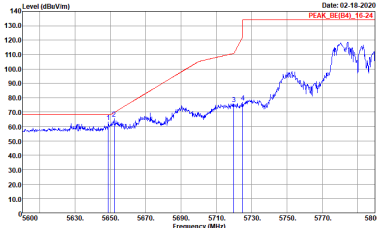
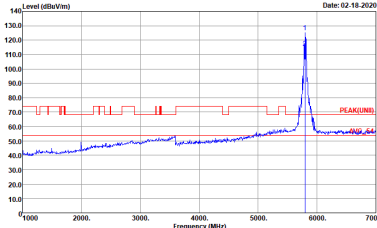
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE20 CH165 5825MHz	
4*4	Vertical	Fundamental
Peak Avg.	 Site: 09CH01-CA Condition: PEAK_5825[54]_16-24 3m HORN 91200-HF_01894 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 02-18-2020	 Site: 09CH01-CA Condition: PEAK[UNIT1] 3m HORN 91200-HF_01894 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 02-18-2020

Band 4 5725~5850MHz
WIFI 802.11ax HE40 (Band Edge @ 3m)

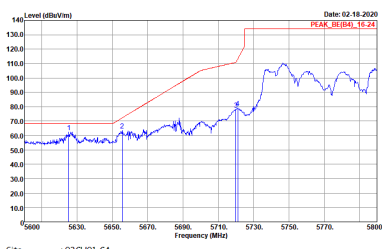
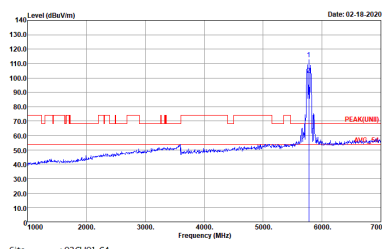
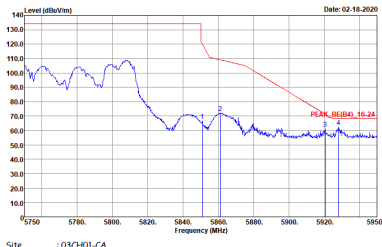
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 CH151 5755MHz	
4*4	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

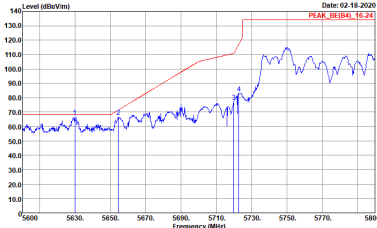
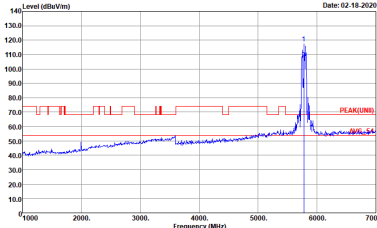
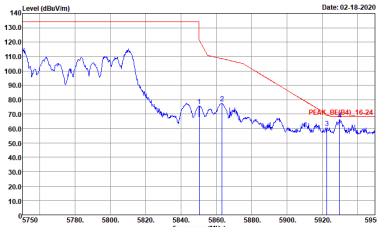
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 CH151 5755MHz	
4*4	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 CH159 5795MHz	
4*4	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(B4)_16-24 3m HORN 9120D-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 9120D-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE40 CH159 5795MHz	
4*4	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(FUND)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

Band 4 5725~5850MHz
WIFI 802.11ax HE80 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 CH155 5775MHz	
4*4	Horizontal	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK(UNIT) 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH01-CA Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF_01894 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ax HE80 CH155 5775MHz	
4*4	Vertical	Fundamental
Peak	 Site : 03CH01-CA Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH01-CA Condition : PEAK_FUND(84)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH01-CA Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF_01894 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

Appendix G. Duty Cycle Plots

Mode	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
4*4	5GHz 802.11a for Ant. 1	94.29	1980	0.51	1kHz	0.26
4*4	5GHz 802.11a for Ant. 2	94.29	1980	0.51	1kHz	0.26
4*4	5GHz 802.11a for Ant. 3	94.29	1980	0.51	1kHz	0.26
4*4	5GHz 802.11a for Ant. 4	94.29	1980	0.51	1kHz	0.26
4*4	5GHz 802.11ax HE20 for Ant. 1	94.62	5450	0.18	300Hz	0.24
4*4	5GHz 802.11ax HE20 for Ant. 2	94.78	5450	0.18	300Hz	0.23
4*4	5GHz 802.11ax HE20 for Ant. 3	95.60	5430	0.18	300Hz	0.20
4*4	5GHz 802.11ax HE20 for Ant. 4	95.30	5470	0.18	300Hz	0.21
4*4	5GHz 802.11ax HE40 for Ant. 1	93.30	5430	0.18	300Hz	0.30
4*4	5GHz 802.11ax HE40 for Ant. 2	93.61	5420	0.18	300Hz	0.29
4*4	5GHz 802.11ax HE40 for Ant. 3	95.94	5430	0.18	300Hz	0.18
4*4	5GHz 802.11ax HE40 for Ant. 4	95.11	5450	0.18	300Hz	0.22
4*4	5GHz 802.11ax HE80 for Ant. 1	94.57	5400	0.19	300Hz	0.24
4*4	5GHz 802.11ax HE80 for Ant. 2	94.93	5430	0.18	300Hz	0.23
4*4	5GHz 802.11ax HE80 for Ant. 3	95.58	5410	0.18	300Hz	0.20
4*4	5GHz 802.11ax HE80 for Ant. 4	94.91	5410	0.18	300Hz	0.23

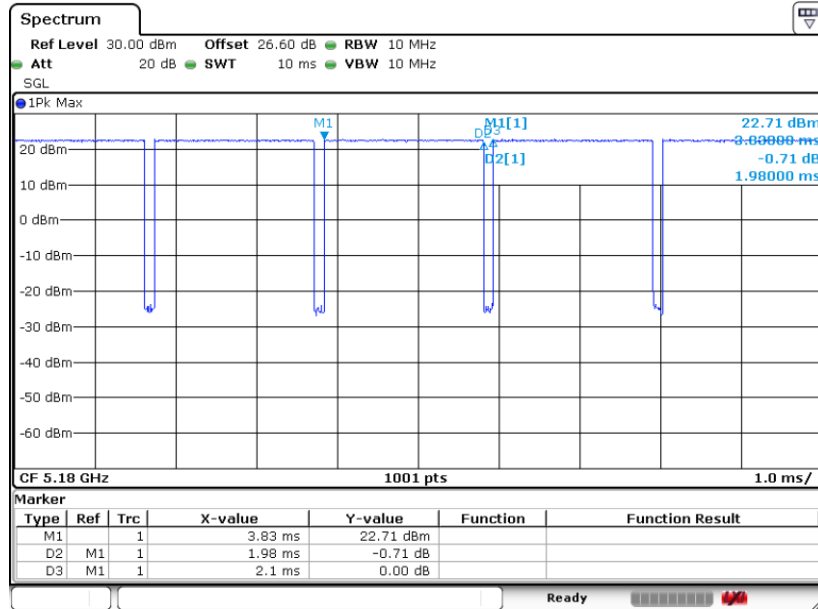


Mode	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
8*8	5GHz 802.11ax HE40 for Ant. 1	93.30	5430	0.18	300Hz	0.30
8*8	5GHz 802.11ax HE40 for Ant. 2	93.61	5420	0.18	300Hz	0.29
8*8	5GHz 802.11ax HE40 for Ant. 3	95.94	5430	0.18	300Hz	0.18
8*8	5GHz 802.11ax HE40 for Ant. 4	95.11	5450	0.18	300Hz	0.22
8*8	5GHz 802.11ax HE40 for Ant. 5	95.95	5450	0.18	300Hz	0.18
8*8	5GHz 802.11ax HE40 for Ant. 6	95.95	5450	0.18	300Hz	0.18
8*8	5GHz 802.11ax HE40 for Ant. 7	95.96	5460	0.18	300Hz	0.18
8*8	5GHz 802.11ax HE40 for Ant. 8	95.28	5450	0.18	300Hz	0.21

<For 4*4>

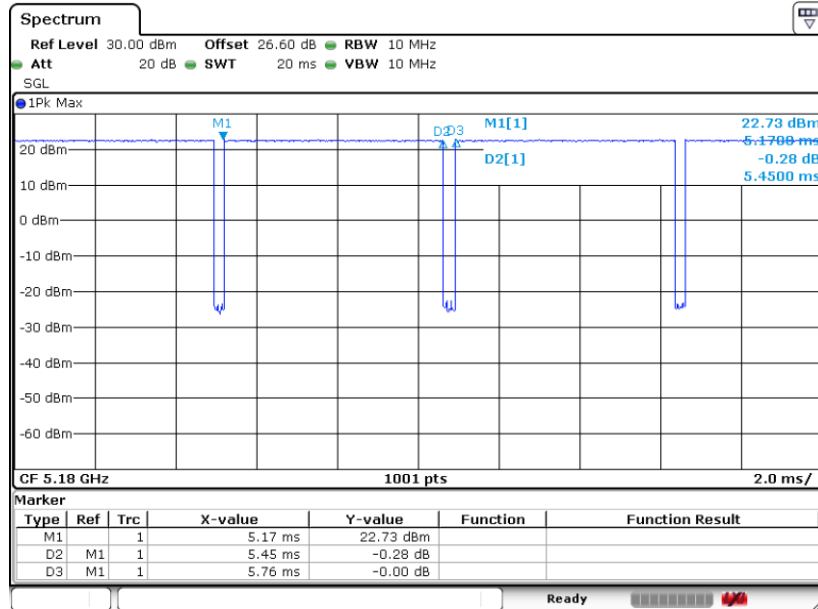
MIMO <Ant. 1>

802.11a

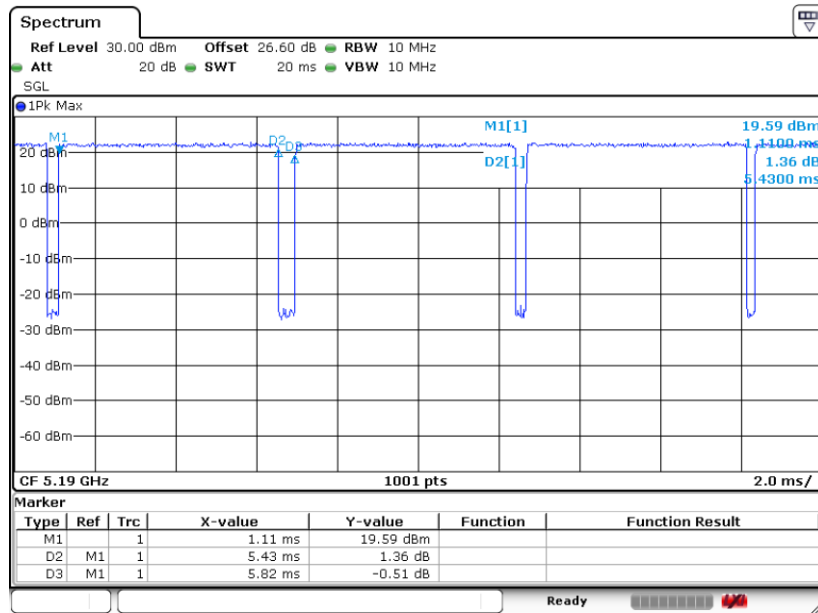


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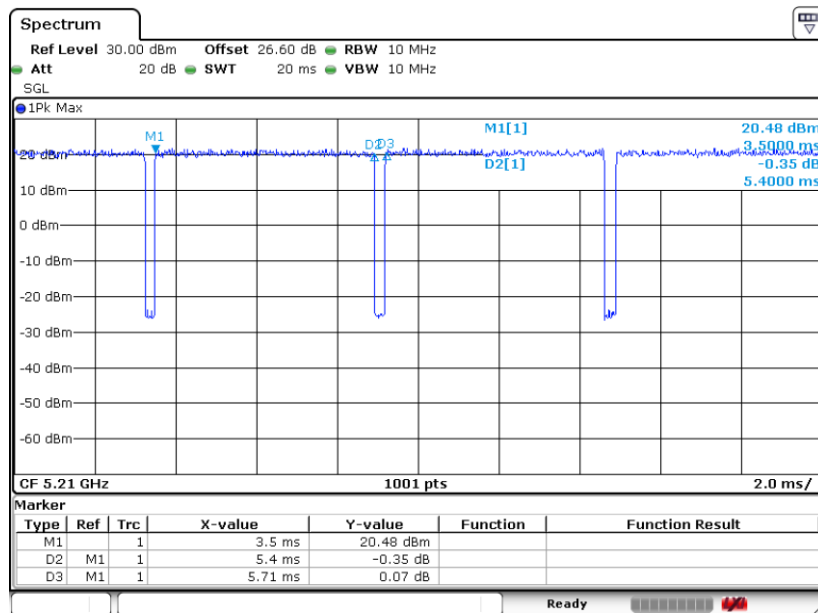
802.11ax HE20



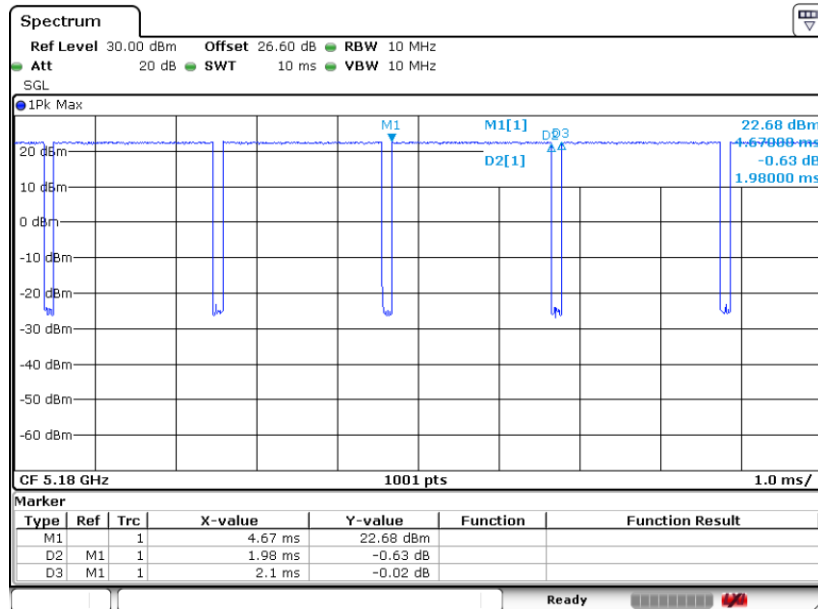
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802.11ax HE40


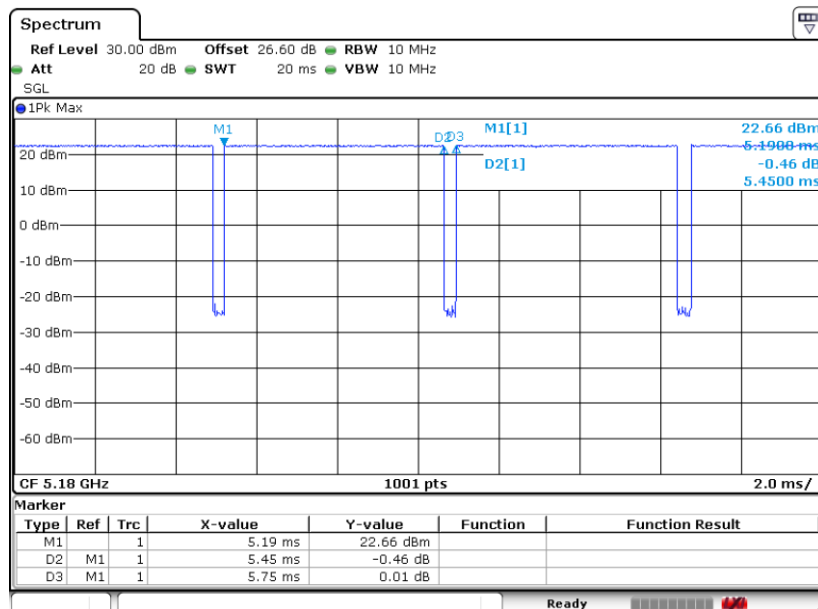
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802.11ax HE80


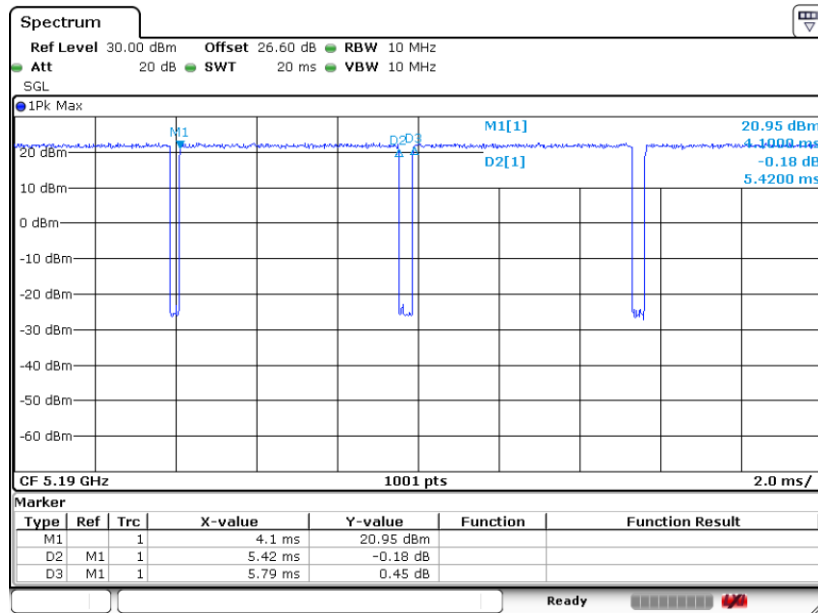
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MIMO <Ant. 2>
802.11a


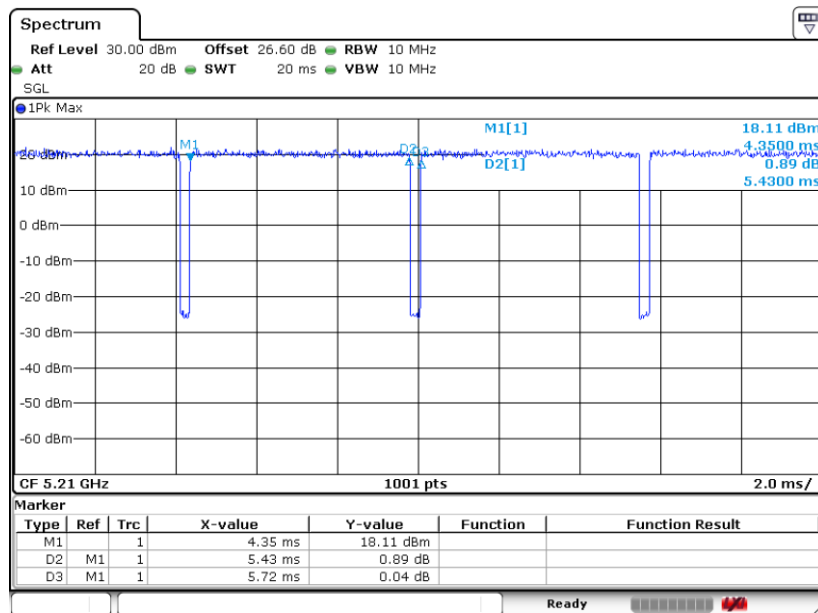
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802.11ax HE20


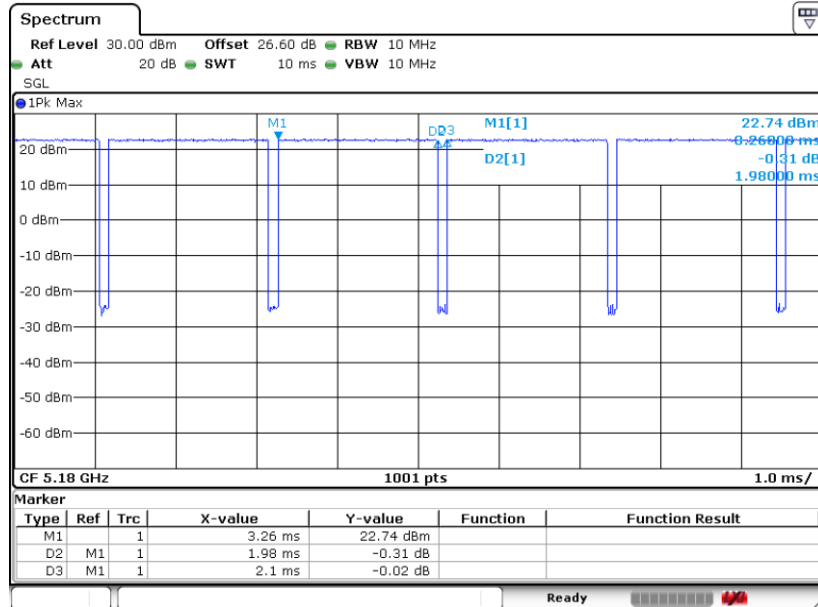
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802.11ax HE40


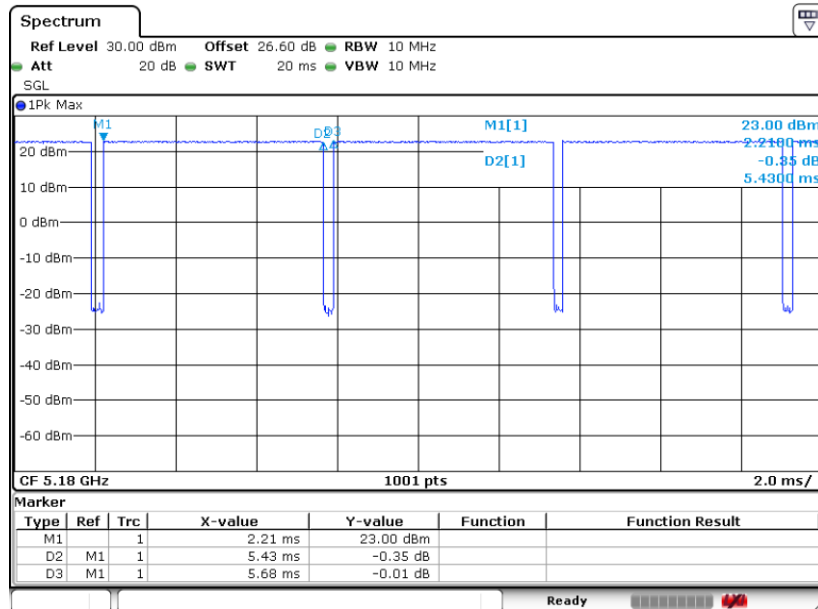
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802.11ax HE80


Date: 29.JAN.2020 17:01:37

MIMO <Ant. 3>
802.11a


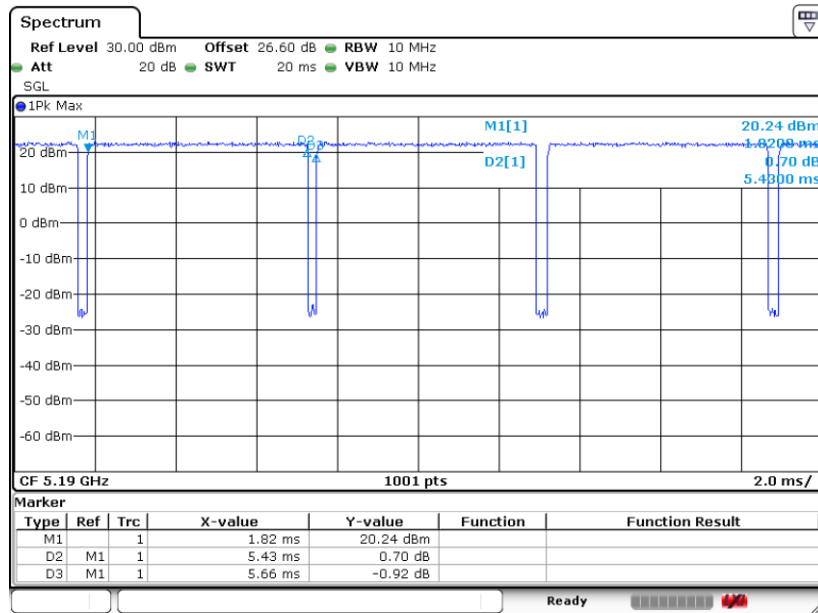
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802.11ax HE20


Date: 29 JAN 2020 16:39:40

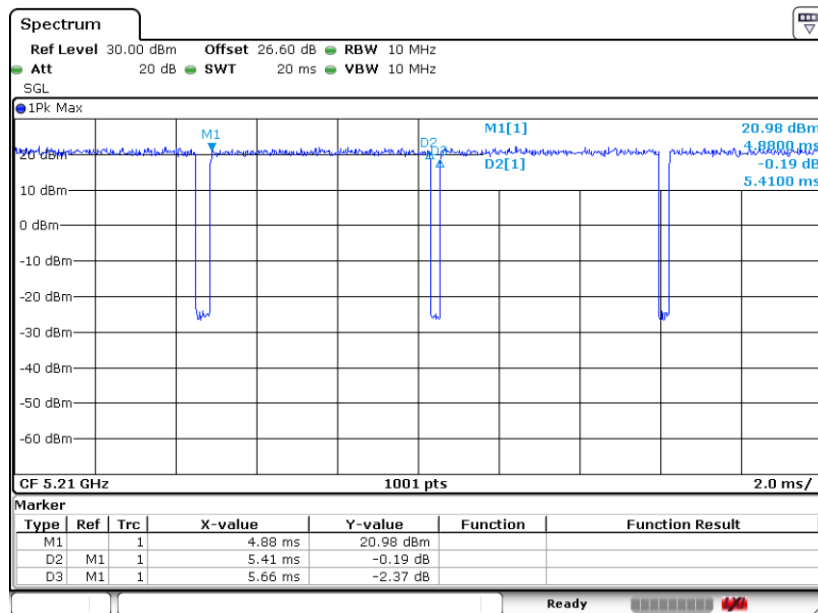


802.11ax HE40

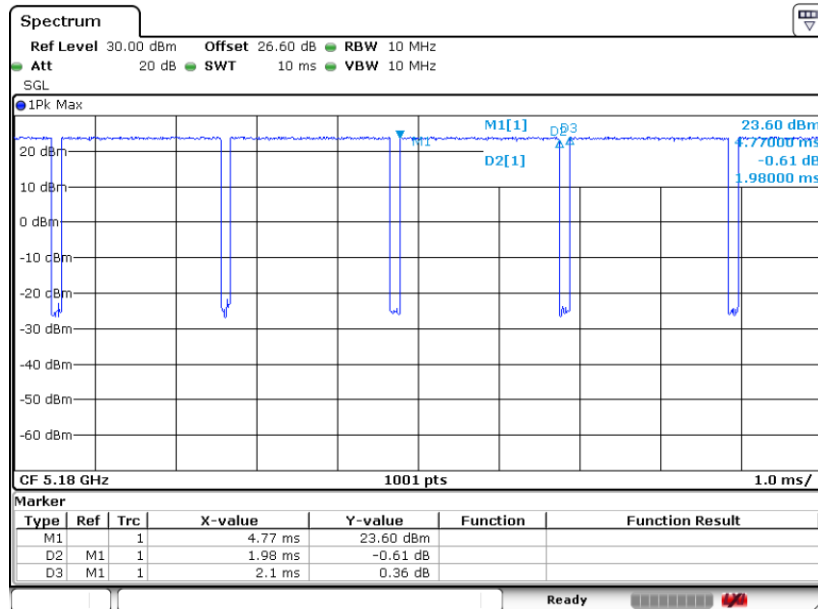


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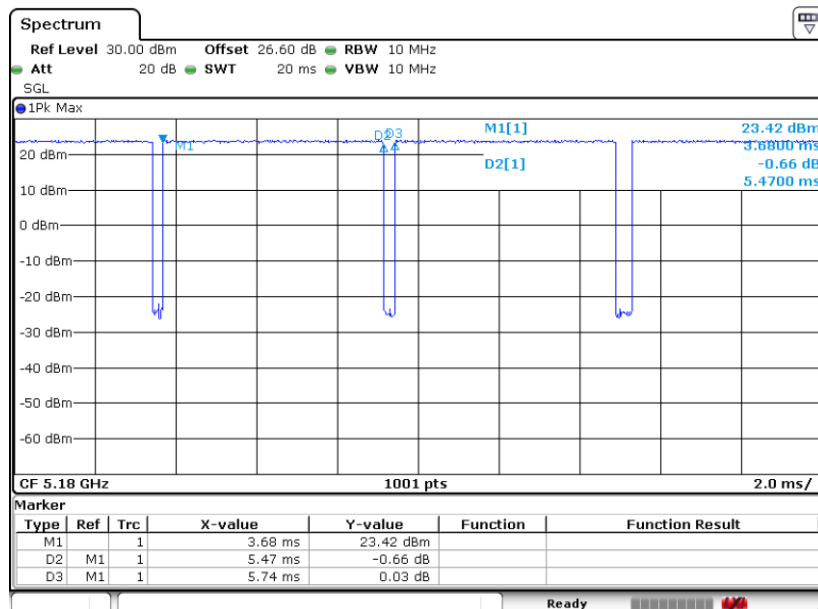
802.11ax HE80



Date: 29.JAN.2020 17:02:27

MIMO <Ant. 4>
802.11a


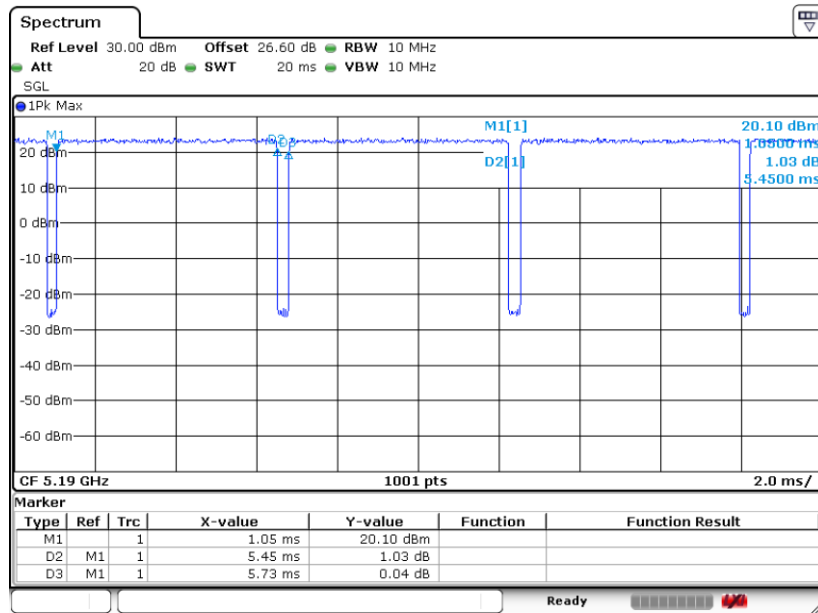
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802.11ax HE20


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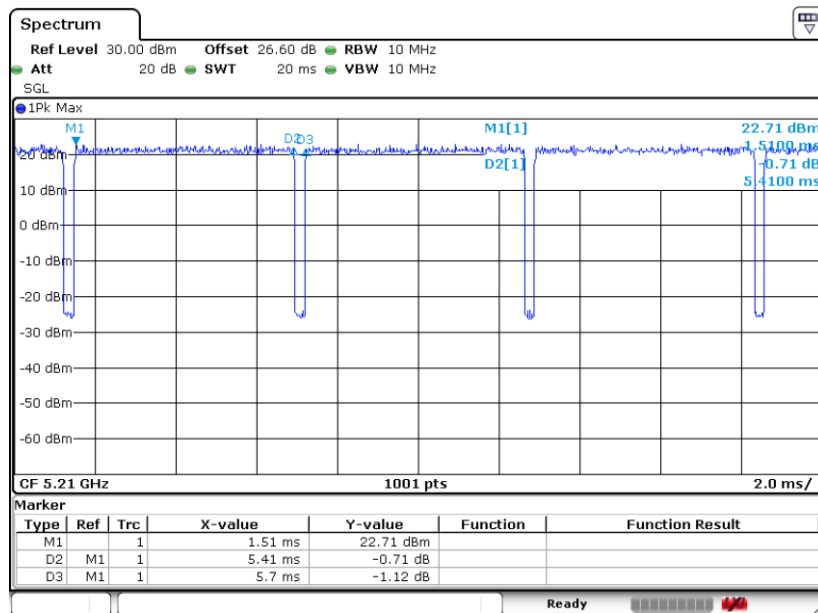


802.11ax HE40



Date: 29.JAN.2020 16:54:34

802.11ax HE80

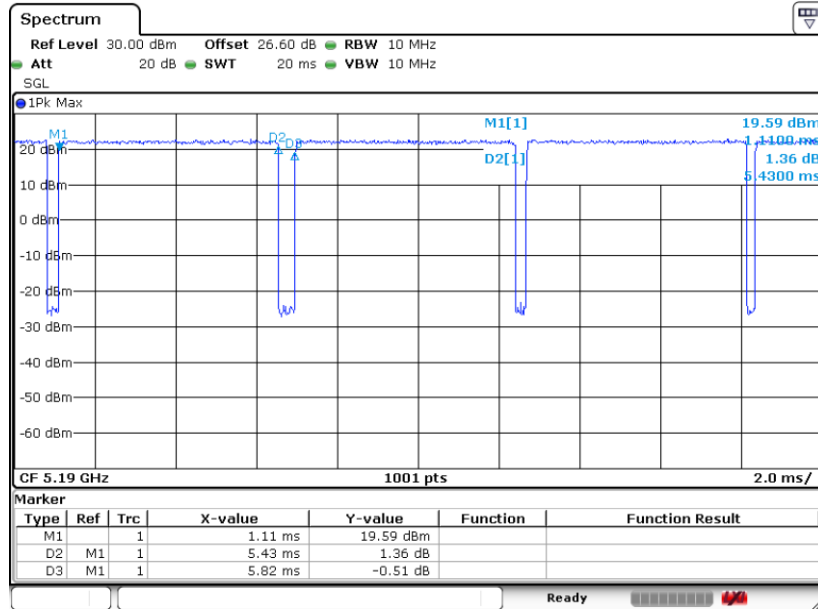


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<For 8*8>

MIMO <Ant. 1>

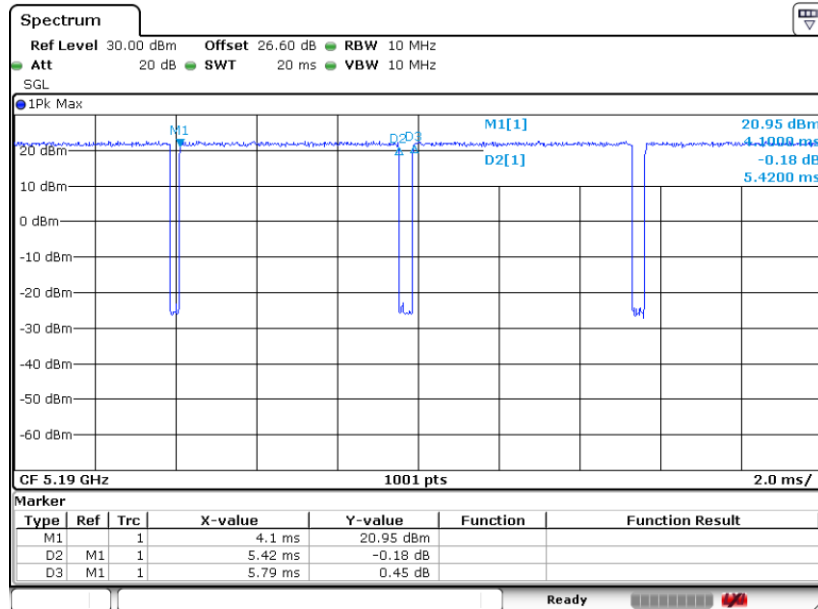
802.11ax HE40



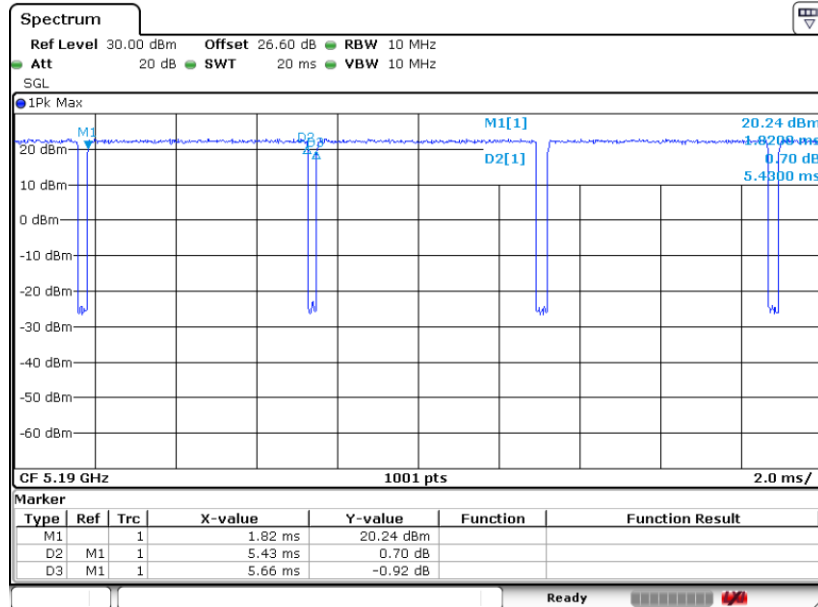
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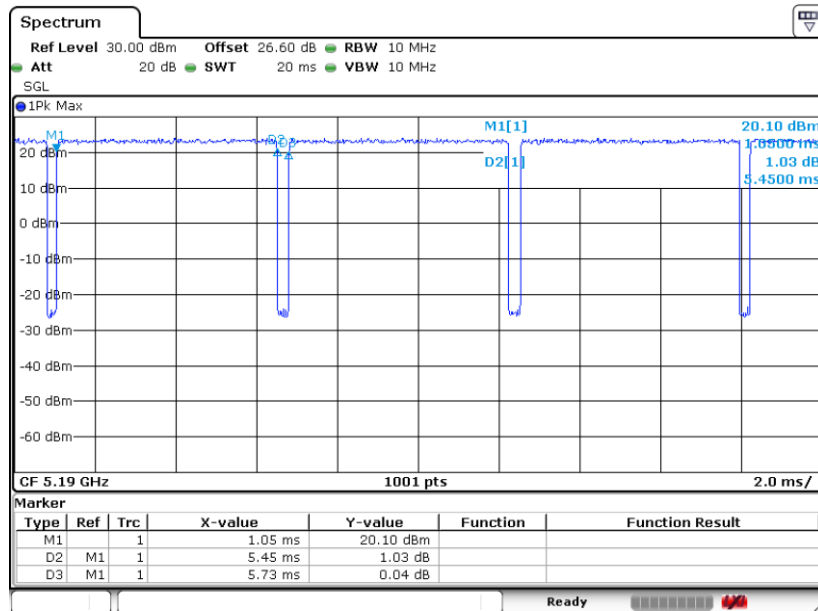
802.11ax HE40



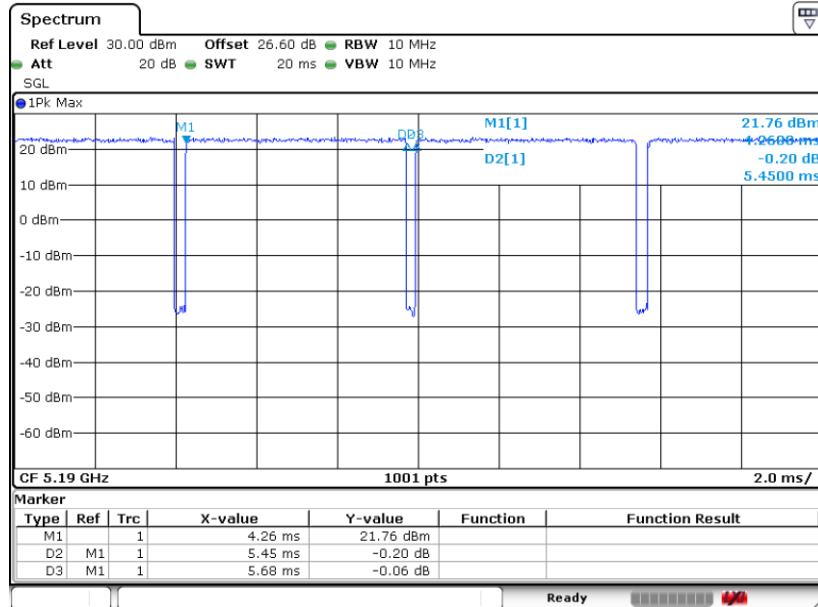
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MIMO <Ant. 3>
802.11ax HE40


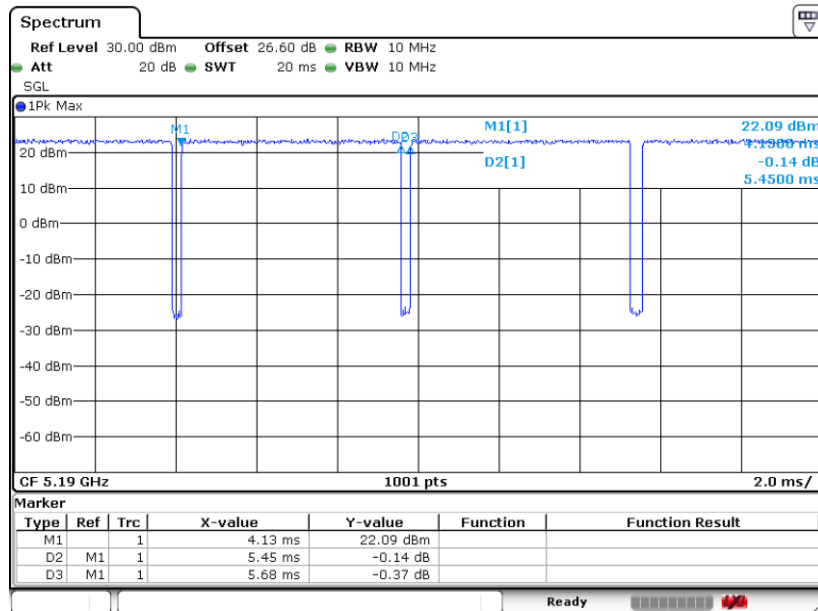
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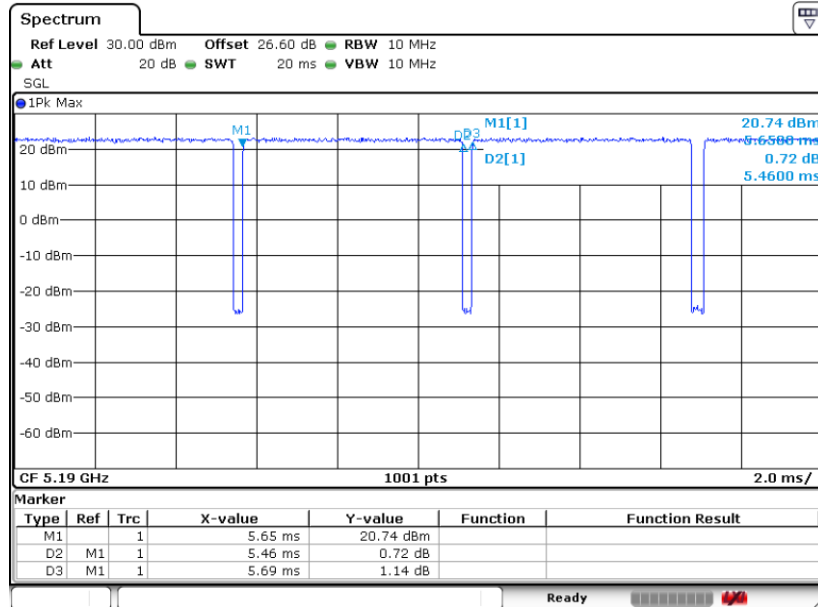
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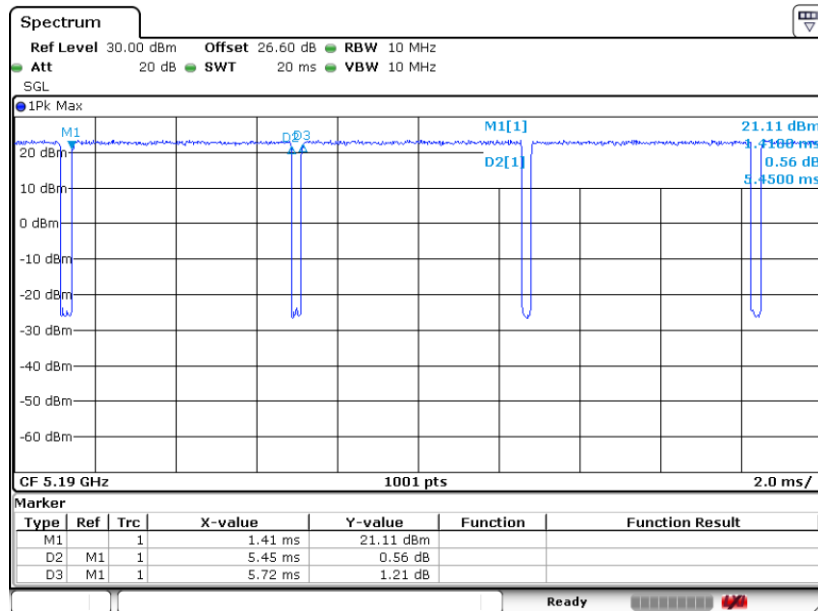
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MIMO <Ant. 6>
802.11ax HE40


Date: 29.JAN.2020 17:44:50

MIMO <Ant. 7>
802.11ax HE40


Date: 29.JAN.2020 17:45:34

MIMO <Ant. 8>
802.11ax HE40


Date: 29.JAN.2020 17:46:12