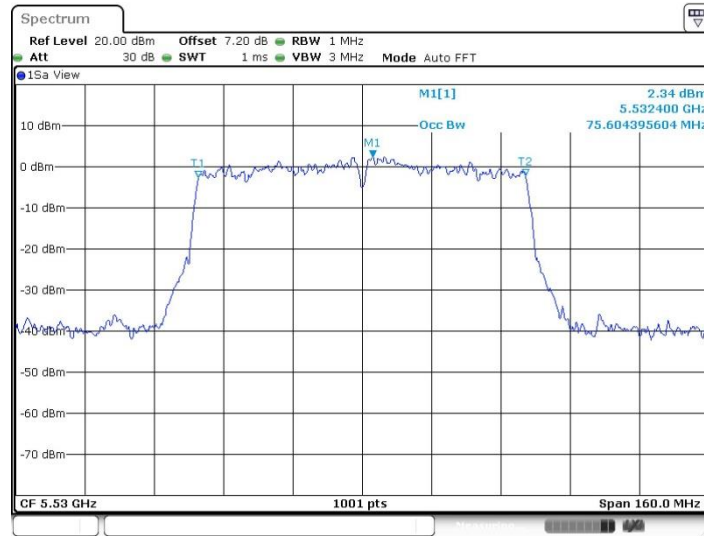


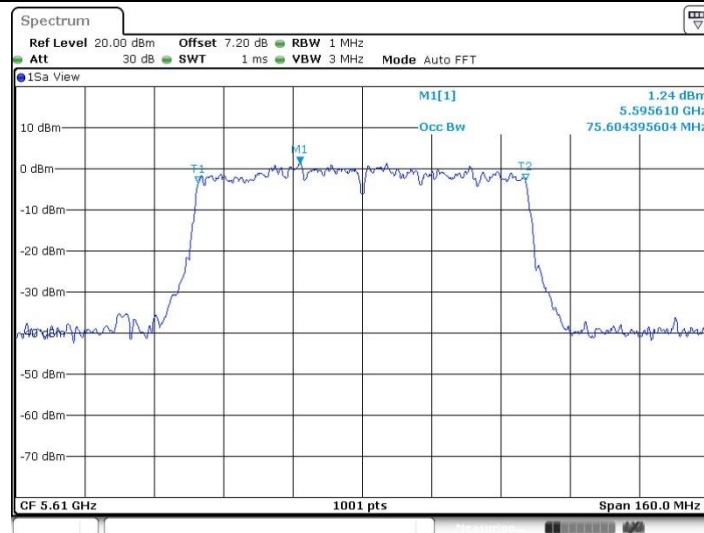


11AC80SISO_Ant1_5530

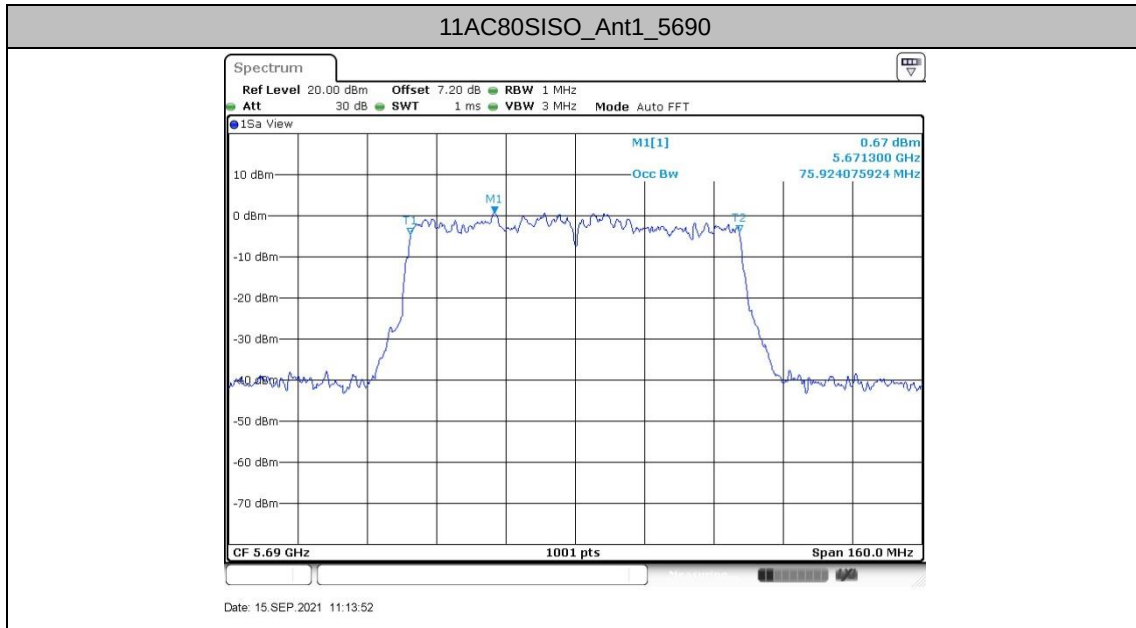


Date: 9.SEP.2021 02:46:43

11AC80SISO_Ant1_5610



Date: 9.SEP.2021 02:48:27



Appendix A3: Maximum power spectral density

Test Result

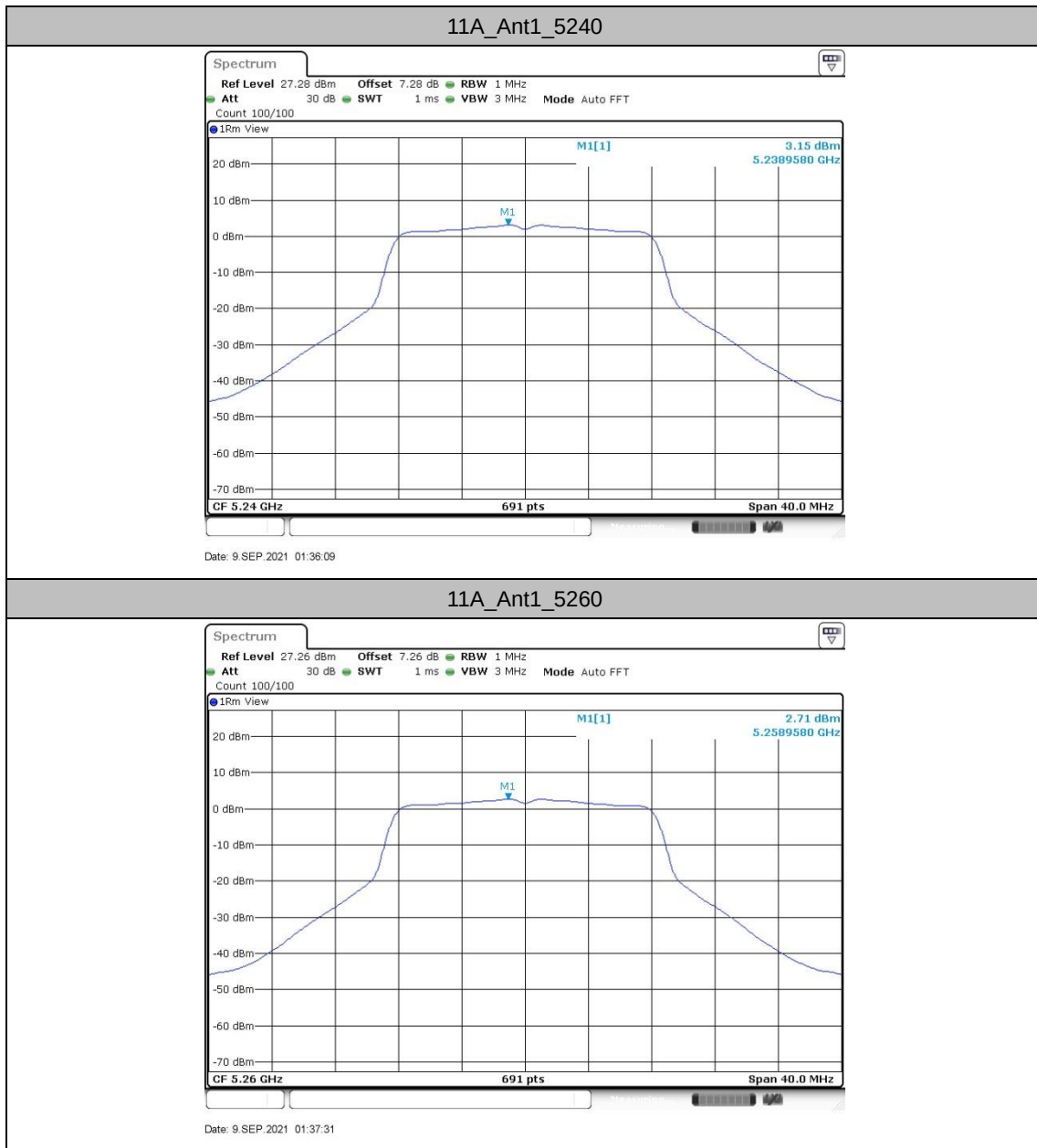
Test Mode	Antenna	Frequency [MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	3.09	≤11	3.08	≤10	PASS
		5200	2.71	≤11	2.70	≤10	PASS
		5240	3.15	≤11	3.14	≤10	PASS
		5260	2.71	≤11	---	---	---
		5280	2.75	≤11	---	---	---
		5320	2.37	≤11	---	---	---
		5500	2.85	≤11	---	---	---
		5580	3.33	≤11	---	---	---
		5700	2.3	≤11	---	---	---
		5720_UNII-2C	1.98	≤11	---	---	---
11N20SISO	Ant1	5180	0.36	≤11	0.35	≤10	PASS
		5200	0.57	≤11	0.56	≤10	PASS
		5240	1.13	≤11	1.12	≤10	PASS
		5260	0.85	≤11	---	---	---
		5280	0.87	≤11	---	---	---
		5320	0.67	≤11	---	---	---
		5500	0.68	≤11	---	---	---
		5580	1.09	≤11	---	---	---
		5700	0.03	≤11	---	---	---
		5720_UNII-2C	-0.29	≤11	---	---	---
11N40SISO	Ant1	5190	-2.04	≤11	-2.03	≤10	PASS
		5230	-1.66	≤11	-1.65	≤10	PASS
		5270	-1.9	≤11	---	---	---
		5310	-2.06	≤11	---	---	---
		5510	-2.12	≤11	---	---	---
		5550	-1.72	≤11	---	---	---
		5670	-2.06	≤11	---	---	---
		5710_UNII-2C	-3.65	≤11	---	---	---
11AC80SISO	Ant1	5210	-6.2	≤11	-6.19	≤10	PASS
		5290	-6.19	≤11	---	---	---
		5530	-5.94	≤11	---	---	---
		5610	-6.71	≤11	---	---	---
		5690_UNII-2C	-7.32	≤11	---	---	---

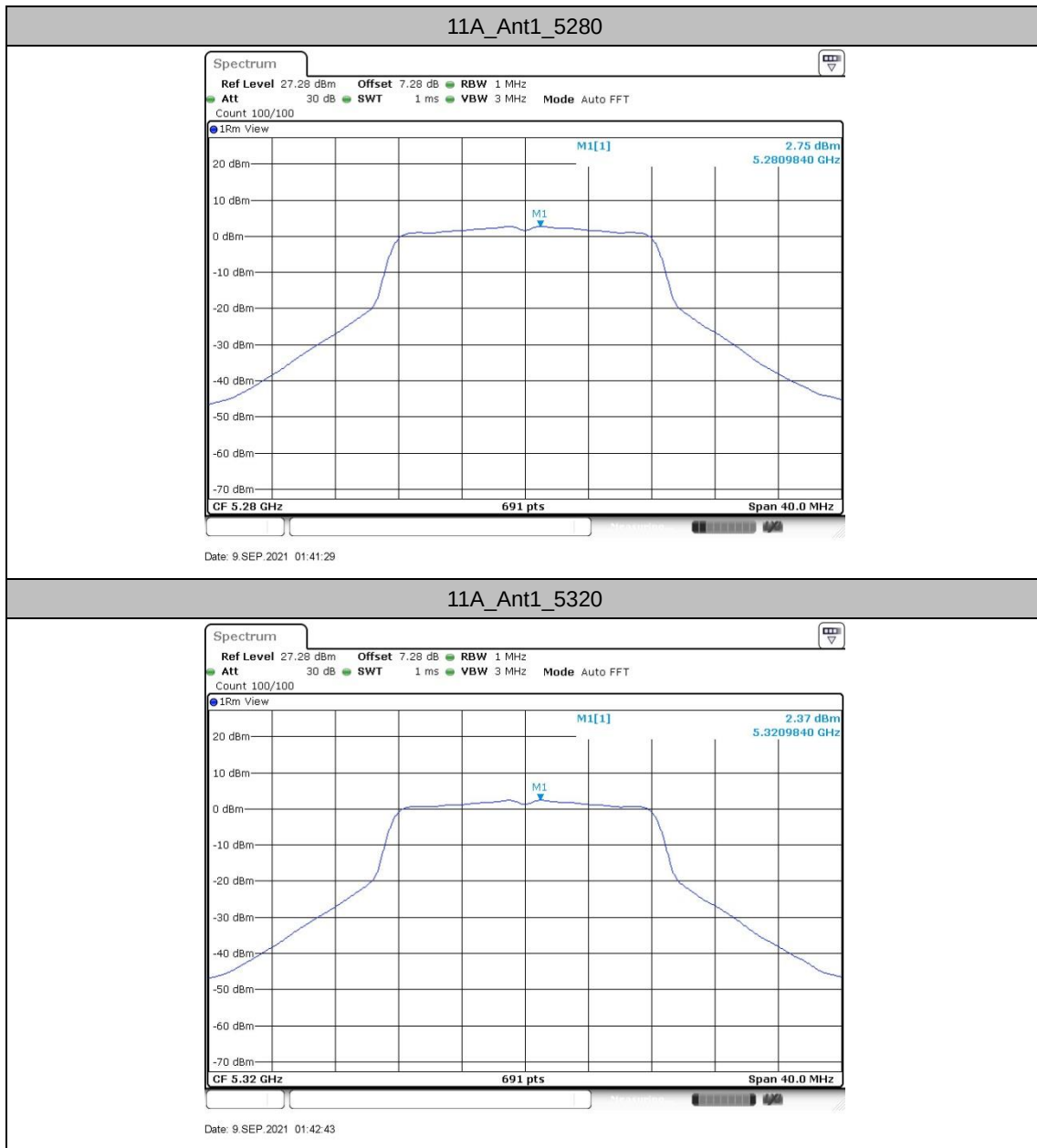
Note: 1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

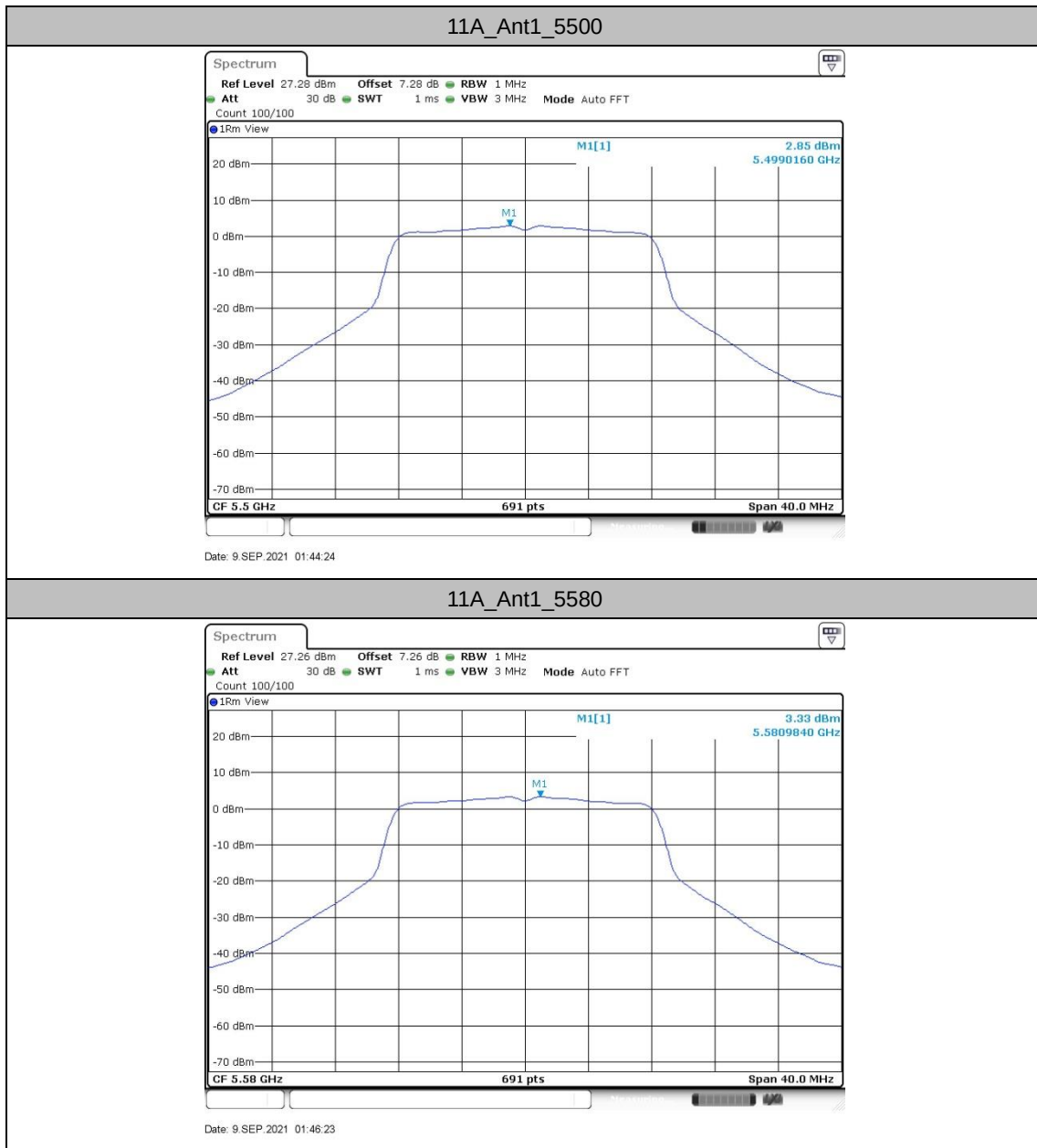


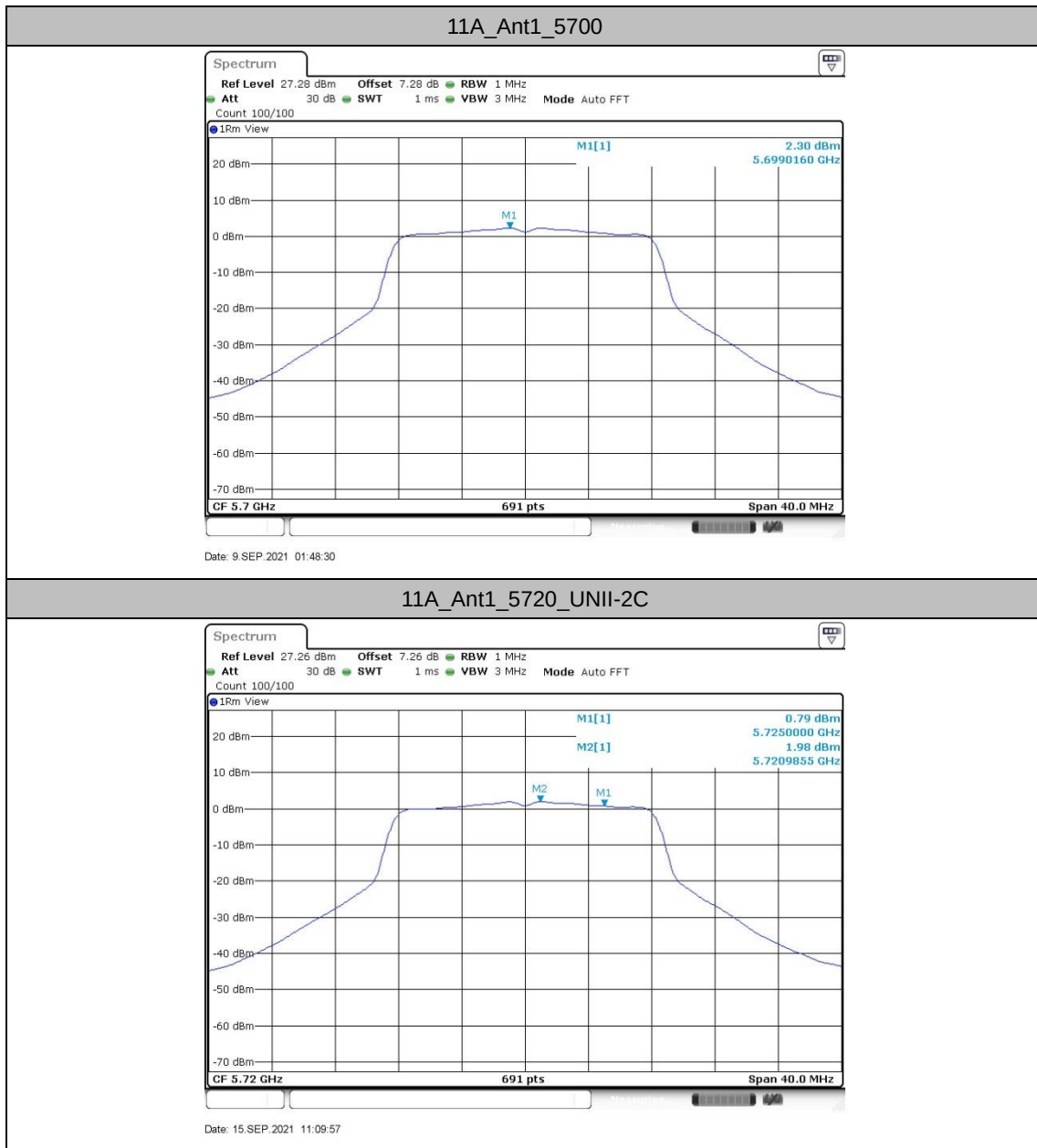
Test Graphs













11N20SISO_Ant1_5180



Date: 9.SEP.2021 02:11:14

11N20SISO_Ant1_5200



Date: 9.SEP.2021 02:13:52





11N20SISO_Ant1_5280

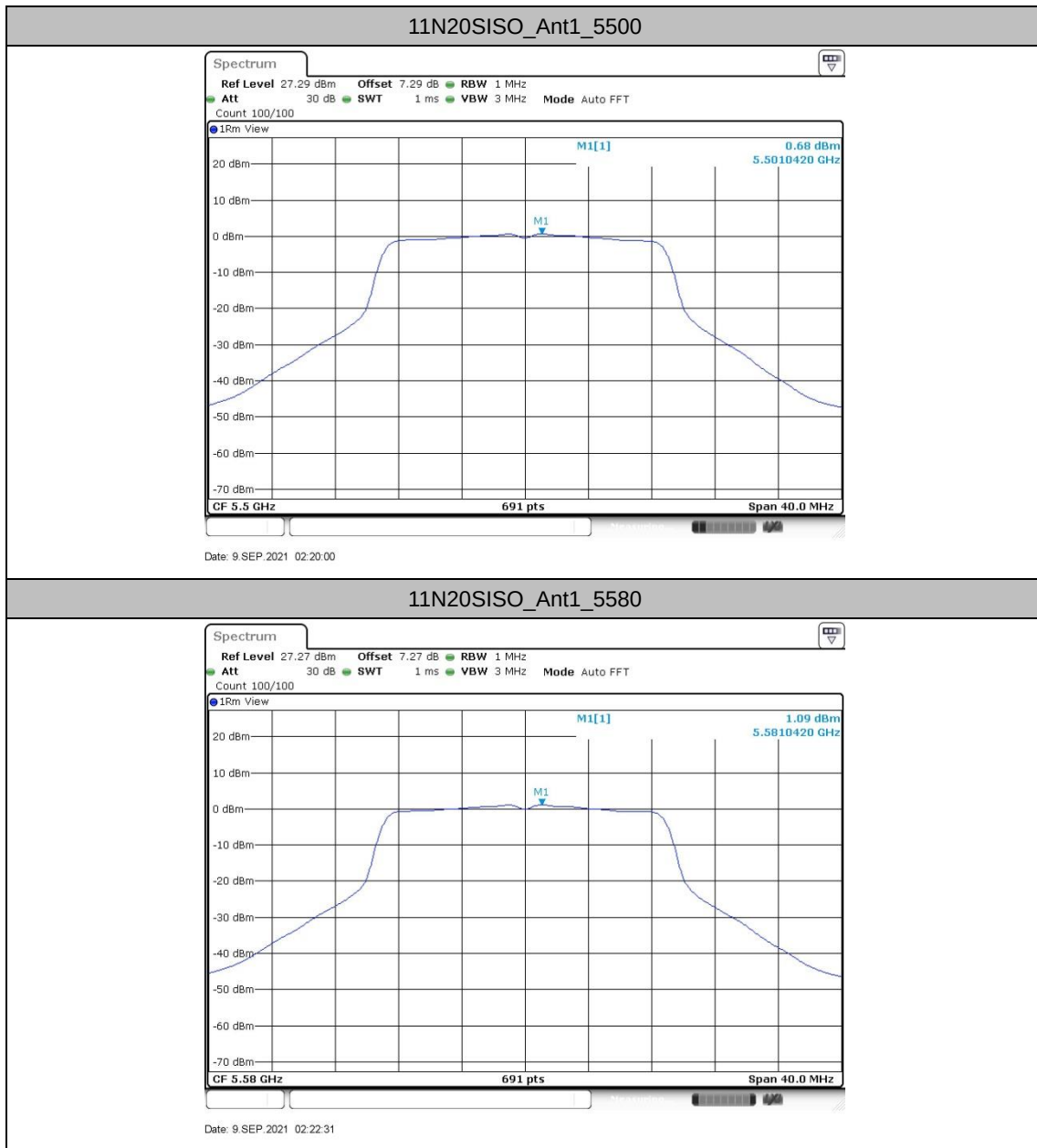


Date: 9.SEP.2021 02:17:11

11N20SISO_Ant1_5320



Date: 9.SEP.2021 02:18:53



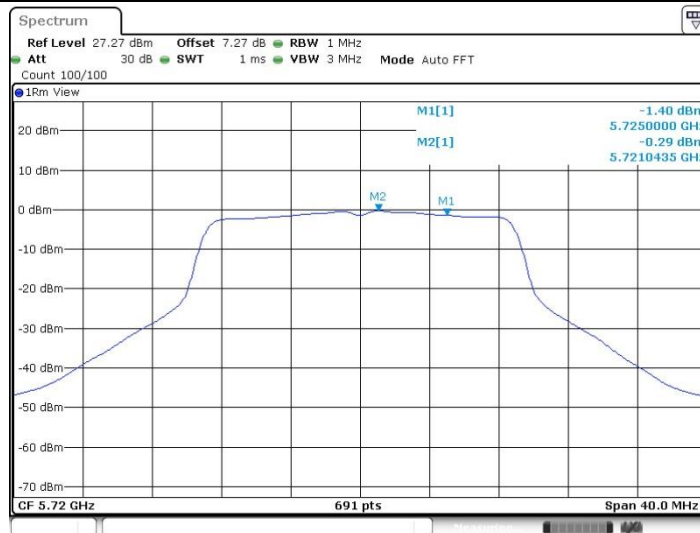


11N20SISO_Ant1_5700



Date: 9 SEP.2021 02:26:34

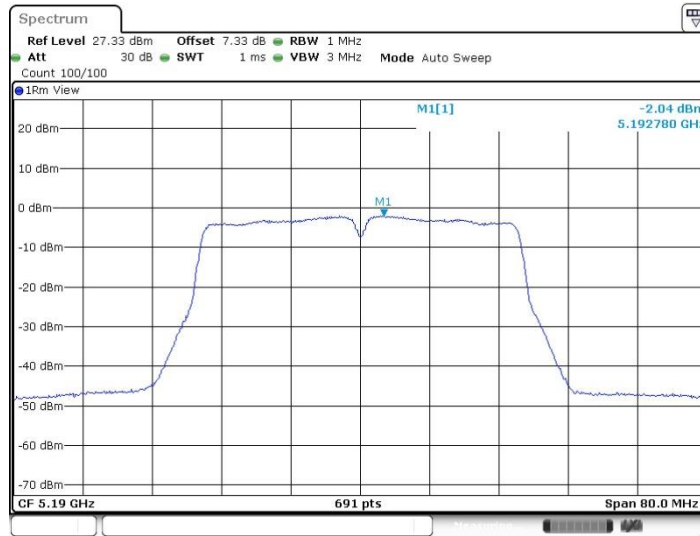
11N20SISO_Ant1_5720_UNII-2C



Date: 15 SEP.2021 11:11:28



11N40SISO_Ant1_5190



Date: 15 SEP.2021 10:33:22

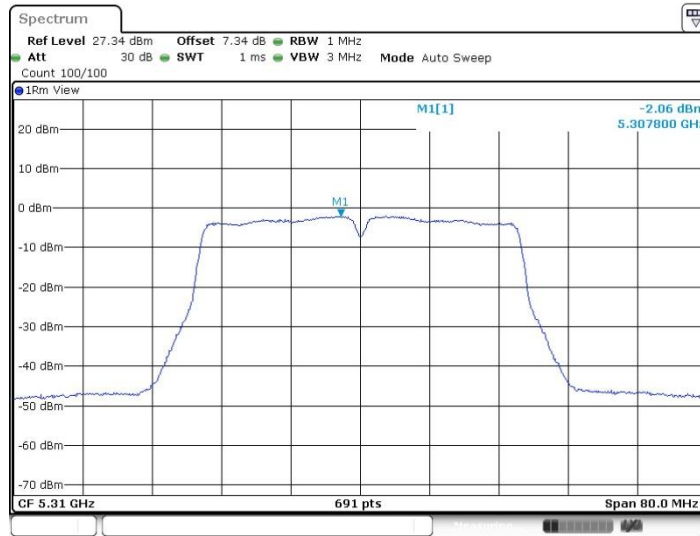
11N40SISO_Ant1_5270



Date: 9 SEP.2021 02:34:17

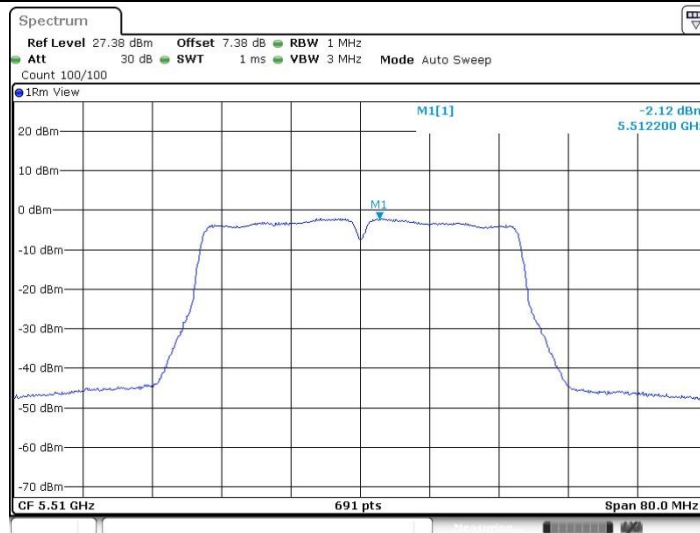


11N40SISO_Ant1_5310



Date: 9 SEP. 2021 02:35:12

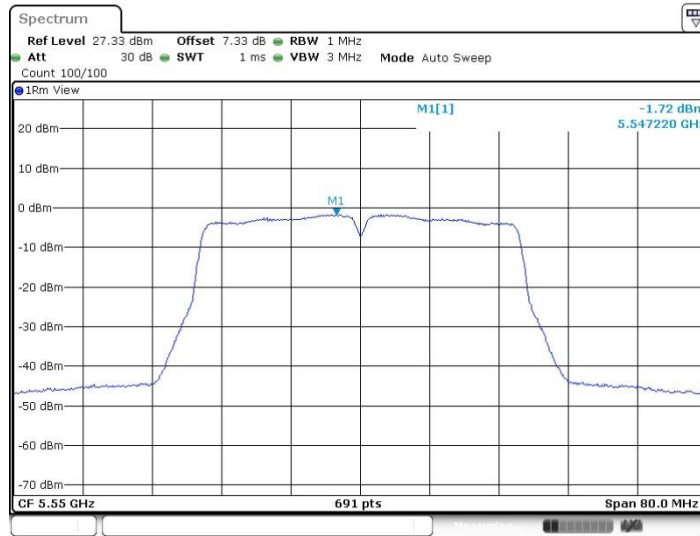
11N40SISO_Ant1_5510



Date: 9 SEP. 2021 02:36:12



11N40SISO_Ant1_5550

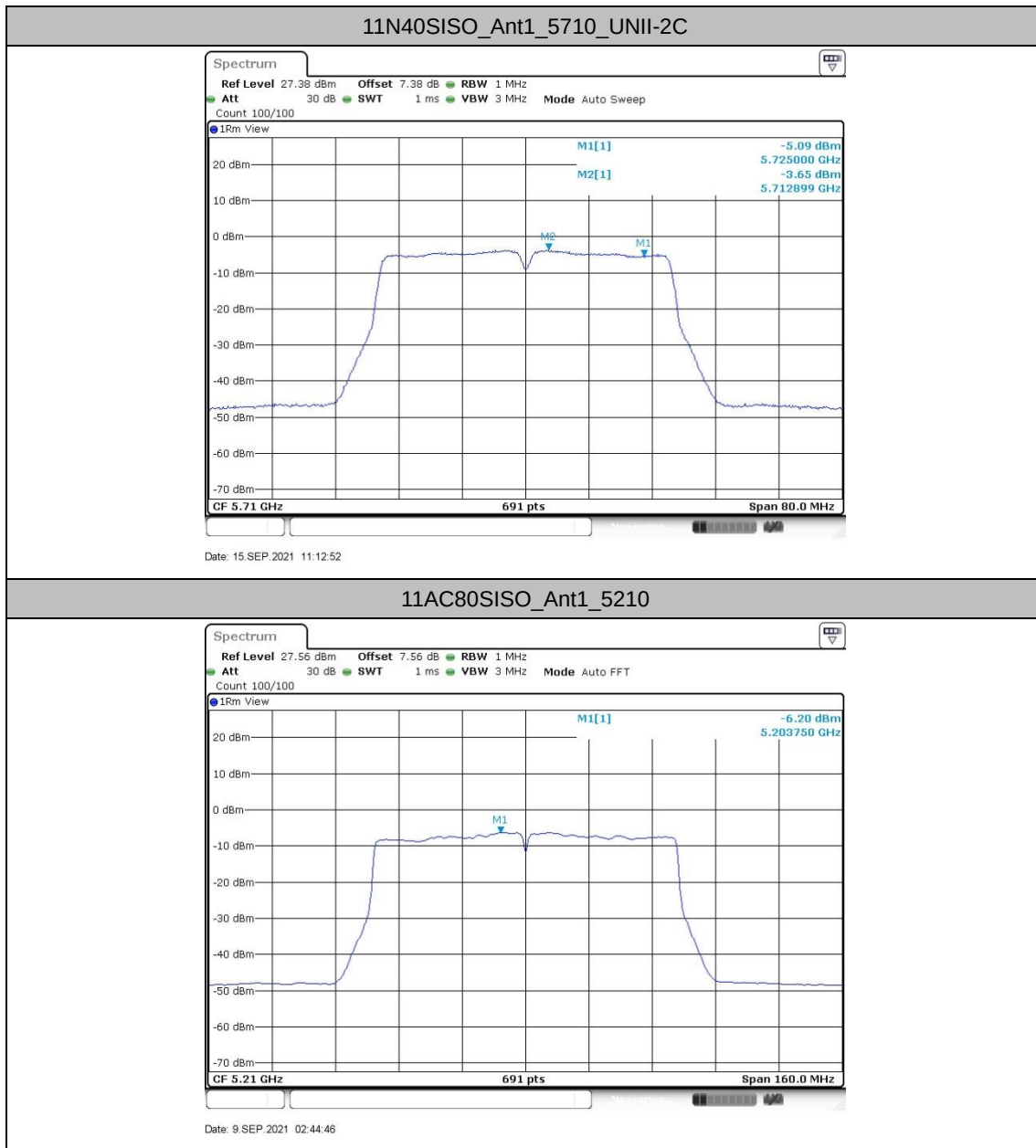


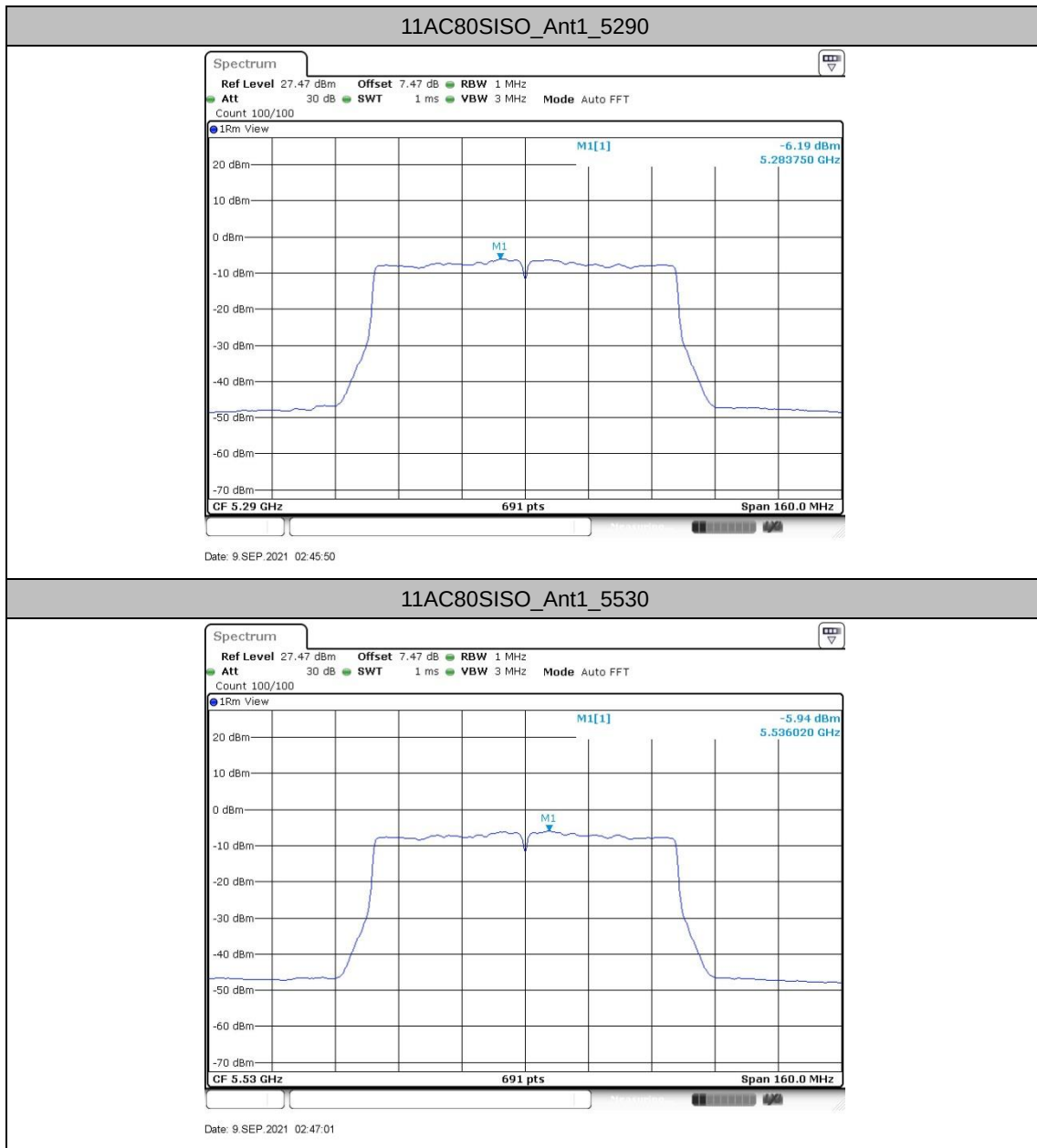
Date: 9 SEP. 2021 02:37:39

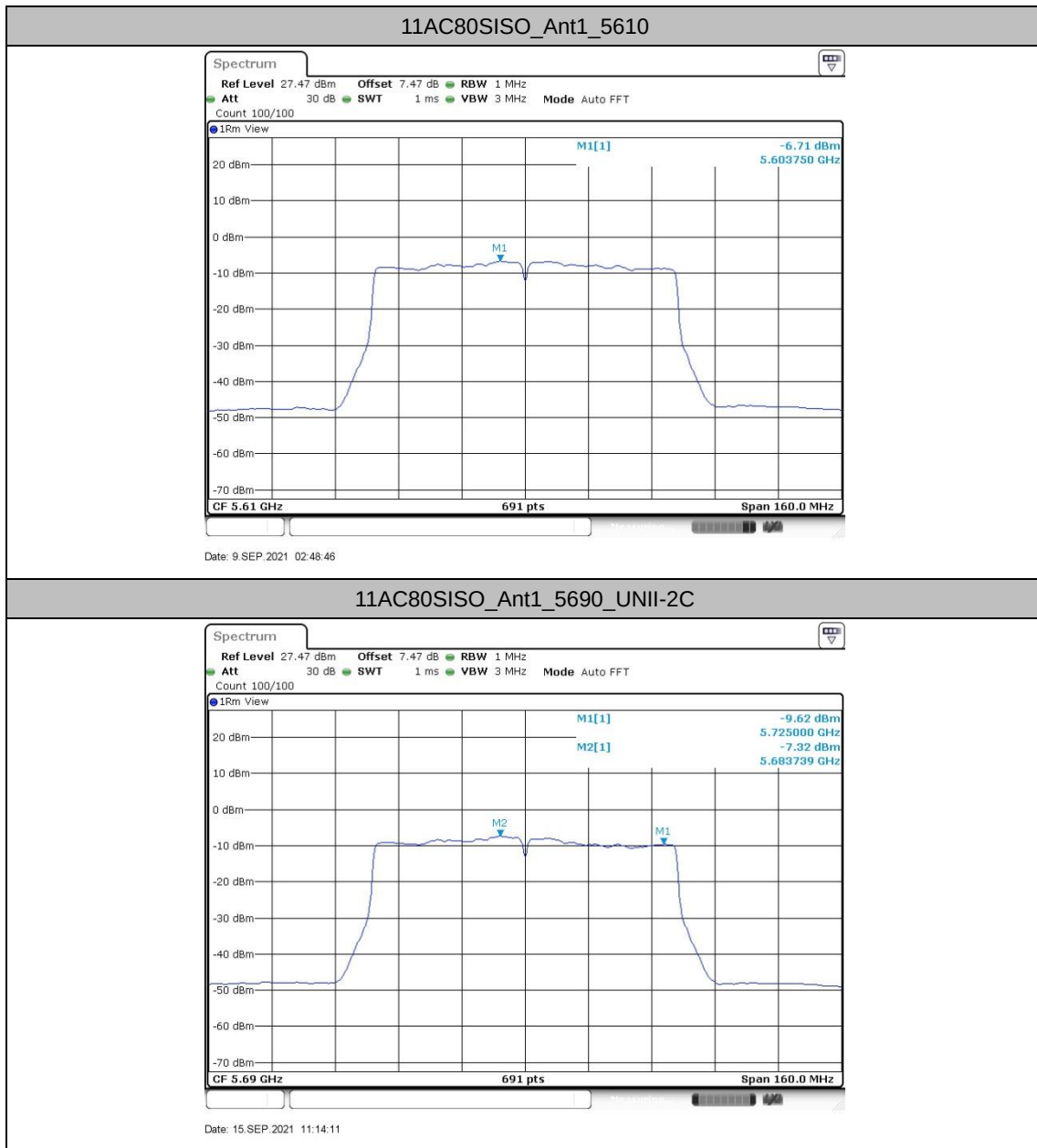
11N40SISO_Ant1_5670



Date: 9 SEP. 2021 02:39:11



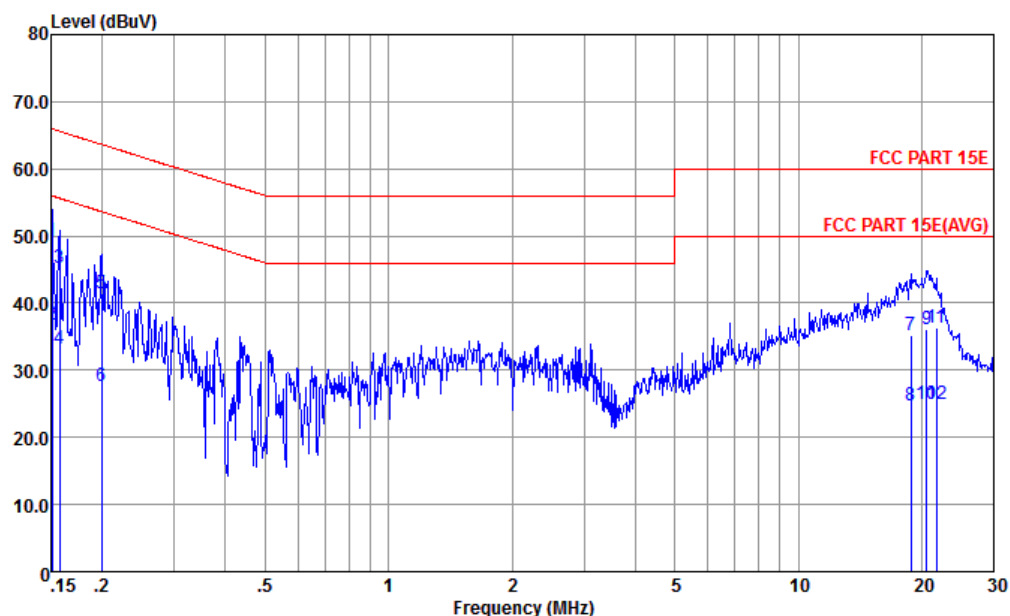






Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos Zhang	Temperature :	25.3~26.2℃
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

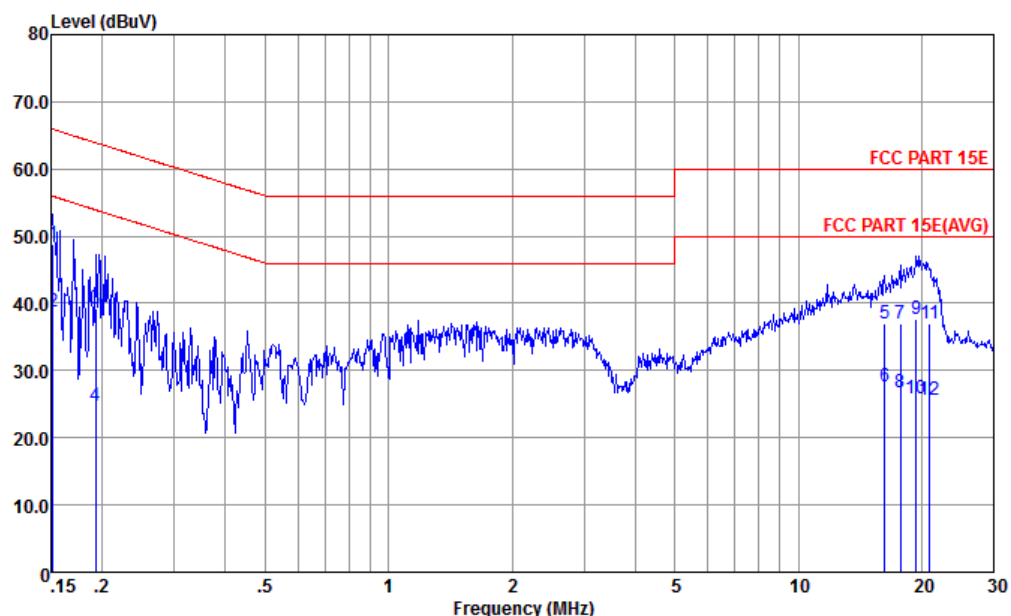


Site : CO01-KS
Condition : FCC PART 15E LISN-L-060105-CN02 LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.151	49.15	-16.81	65.96	38.60	0.07	10.48	QP
2	0.151	36.85	-19.11	55.96	26.30	0.07	10.48	Average
3	0.157	45.13	-20.47	65.60	34.60	0.07	10.46	QP
4	0.157	33.13	-22.47	55.60	22.60	0.07	10.46	Average
5	0.200	41.55	-22.07	63.62	31.10	0.09	10.36	QP
6	0.200	27.55	-26.07	53.62	17.10	0.09	10.36	Average
7	18.820	35.11	-24.89	60.00	22.61	2.03	10.47	QP
8	18.820	24.71	-25.29	50.00	12.21	2.03	10.47	Average
9	20.594	36.02	-23.98	60.00	23.30	2.21	10.51	QP
10	20.594	24.92	-25.08	50.00	12.20	2.21	10.51	Average
11	21.715	36.33	-23.67	60.00	23.50	2.31	10.52	QP
12	21.715	25.03	-24.97	50.00	12.20	2.31	10.52	Average



Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : FCC PART 15E LISN-N-060105-CN02 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.152	48.83	-17.08	65.91	38.20	0.15	10.48	QP
2	0.152	38.83	-17.08	55.91	28.20	0.15	10.48	Average
3	0.192	39.24	-24.69	63.93	28.69	0.17	10.38	QP
4	0.192	24.74	-29.19	53.93	14.19	0.17	10.38	Average
5	16.226	37.08	-22.92	60.00	24.50	2.16	10.42	QP
6	16.226	27.68	-22.32	50.00	15.10	2.16	10.42	Average
7	17.755	36.97	-23.03	60.00	24.10	2.42	10.45	QP
8	17.755	26.77	-23.23	50.00	13.90	2.42	10.45	Average
9	19.428	37.67	-22.33	60.00	24.51	2.68	10.48	QP
10	19.428	25.77	-24.23	50.00	12.61	2.68	10.48	Average
11	20.924	37.00	-23.00	60.00	23.60	2.89	10.51	QP
12	20.924	25.60	-24.40	50.00	12.20	2.89	10.51	Average

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)



Appendix C. Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	22~23°C
		Relative Humidity :	41~42%

UNII-1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preampl Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5136.8	59.17	-14.83	74	45.99	35.28	10.63	32.73	121	0	P	H
		5150	47.01	-6.99	54	33.79	35.29	10.65	32.72	121	0	A	H
	*	5182	106.38	-	-	93.09	35.31	10.69	32.71	121	0	P	H
		5182	99.21	-	-	85.92	35.31	10.69	32.71	121	0	A	H
		5103.68	56.42	-17.58	74	43.69	34.88	10.59	32.74	344	1	P	V
		5149.92	45.83	-8.17	54	32.97	34.93	10.65	32.72	344	1	A	V
	*	5182	103.33	-	-	90.39	34.96	10.69	32.71	344	1	P	V
		5182	95.84	-	-	82.9	34.96	10.69	32.71	344	1	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11a CH 36 5180MHz		10358.36	45.08	-23.22	68.3	51.81	38.59	15.36	60.68	300	0	P	H
		10358.36	43.64	-24.66	68.3	51.2	37.76	15.36	60.68	100	360	P	V
802.11a CH 44 5220MHz		10438.44	44.38	-23.92	68.3	50.99	38.63	15.42	60.66	100	360	P	H
		10438.44	42.47	-25.83	68.3	49.89	37.82	15.42	60.66	100	360	P	V
802.11a CH 48 5240MHz		10478.47	44.81	-23.49	68.3	51.35	38.65	15.46	60.65	100	360	P	H
		10478.47	43.51	-24.79	68.3	50.84	37.86	15.46	60.65	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11n HT20 CH 36 5180MHz		5122.72	57.33	-16.67	74	44.17	35.26	10.63	32.73	141	0	P	H
		5122.4	46.68	-7.32	54	33.54	35.26	10.61	32.73	141	0	A	H
	*	5182	105.42	-	-	92.13	35.31	10.69	32.71	141	0	P	H
		5182	97.37	-	-	84.08	35.31	10.69	32.71	141	0	A	H
		5124	57.08	-16.92	74	44.27	34.91	10.63	32.73	367	4	P	V
		5122.4	45.91	-8.09	54	33.13	34.9	10.61	32.73	367	4	A	V
	*	5176	102.17	-	-	89.23	34.96	10.69	32.71	367	4	P	V
		5176	94.41	-	-	81.47	34.96	10.69	32.71	367	4	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11n HT20 CH 36 5180MHz		10358.36	44.03	-24.27	68.3	50.76	38.59	15.36	60.68	100	360	P	H
		10358.36	43	-25.3	68.3	50.56	37.76	15.36	60.68	100	360	P	V
802.11n HT20 CH 44 5220MHz		10438.44	43.25	-25.05	68.3	49.86	38.63	15.42	60.66	100	360	P	H
		10438.44	44.03	-24.27	68.3	51.45	37.82	15.42	60.66	100	360	P	V
802.11n HT20 CH 48 5240MHz		10478.47	44.63	-23.67	68.3	51.17	38.65	15.46	60.65	100	360	P	H
		10478.47	44.29	-24.01	68.3	51.62	37.86	15.46	60.65	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11n HT40 CH 38 5190MHz		5149.92	58.6	-15.4	74	45.38	35.29	10.65	32.72	122	0	P	H
	!	5149.76	49.68	-4.32	54	36.46	35.29	10.65	32.72	122	0	A	H
	*	5188	101.82	-	-	88.53	35.31	10.69	32.71	122	0	P	H
		5188	94.73	-	-	81.44	35.31	10.69	32.71	122	0	A	H
		5363.46	54.28	-19.72	74	40.71	35.42	10.79	32.64	122	0	P	H
		5353.74	44.99	-9.01	54	31.43	35.42	10.78	32.64	122	0	A	H
		5138.4	58.55	-15.45	74	45.74	34.91	10.63	32.73	366	5	P	V
	!	5149.76	48.14	-5.86	54	35.28	34.93	10.65	32.72	366	5	A	V
	*	5194	98.54	-	-	85.55	34.98	10.71	32.7	366	5	P	V
		5194	91.3	-	-	78.31	34.98	10.71	32.7	366	5	A	V
		5377.32	53.94	-20.06	74	40.64	35.14	10.79	32.63	366	5	P	V
		5368.32	44.75	-9.25	54	31.46	35.14	10.79	32.64	366	5	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11n HT40 CH 38 5190MHz		10378.38	43.23	-25.07	68.3	49.91	38.6	15.39	60.67	300	0	P	H
		10378.38	43.95	-24.35	68.3	51.45	37.78	15.39	60.67	100	360	P	V
802.11n HT40 CH 46 5230MHz		10458.46	44.25	-24.05	68.3	50.84	38.64	15.43	60.66	100	360	P	H
		10458.46	44.73	-23.57	68.3	52.13	37.83	15.43	60.66	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11ac VHT80 CH 42 5210MHz		5147.68	58.22	-15.78	74	45	35.29	10.65	32.72	203	0	P	H
	!	5149.28	48.21	-5.79	54	34.99	35.29	10.65	32.72	203	0	A	H
	*	5200	97.34	-	-	84.01	35.32	10.71	32.7	203	0	P	H
		5200	89.54	-	-	76.21	35.32	10.71	32.7	203	0	A	H
		5360.58	53.79	-20.21	74	40.22	35.42	10.79	32.64	203	0	P	H
		5382.9	45.44	-8.56	54	31.83	35.44	10.8	32.63	203	0	A	H
		5144.8	55.96	-18.04	74	43.1	34.93	10.65	32.72	293	0	P	V
		5147.2	47.07	-6.93	54	34.21	34.93	10.65	32.72	293	0	A	V
	*	5206	93.43	-	-	80.44	34.98	10.71	32.7	293	0	P	V
		5206	86.6	-	-	73.61	34.98	10.71	32.7	293	0	A	V
		5372.28	53.96	-20.04	74	40.67	35.14	10.79	32.64	293	0	P	V
		5369.58	45.05	-8.95	54	31.76	35.14	10.79	32.64	293	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**UNII-1 5150~5250MHz****WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1	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)
802.11ac VHT80		10418.42	44.24	-24.06	68.3	50.88	38.62	15.41	60.67	100	360	P	H
CH 42 5210MHz		10418.42	43.13	-25.17	68.3	50.58	37.81	15.41	60.67	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11a CH 64 5320MHz	*	5320	104.75	-	-	91.25	35.39	10.77	32.66	144	0	P	H
		5320	96.74	-	-	83.24	35.39	10.77	32.66	144	0	A	H
		5364.8	54.94	-19.06	74	41.37	35.42	10.79	32.64	144	0	P	H
		5350.2	45.12	-8.88	54	31.57	35.42	10.78	32.65	144	0	A	H
	*	5320	102.17	-	-	88.97	35.09	10.77	32.66	397	17	P	V
		5320	94.6	-	-	81.4	35.09	10.77	32.66	397	17	A	V
		5365	54.47	-19.53	74	41.18	35.14	10.79	32.64	397	17	P	V
		5350.7	44.47	-9.53	54	31.22	35.12	10.78	32.65	397	17	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11a CH 52 5260MHz		10518.52	46.5	-21.8	68.3	53	38.67	15.48	60.65	300	0	P	H
		10518.52	45.26	-23.04	68.3	52.55	37.88	15.48	60.65	100	360	P	V
802.11a CH 60 5300MHz		10600.01	45.25	-28.75	74	51.62	38.72	15.54	60.63	300	0	P	H
		10600.01	46.36	-27.64	74	53.51	37.94	15.54	60.63	100	360	P	V
802.11a CH 64 5320MHz		10638.63	46.2	-27.8	74	52.51	38.74	15.57	60.62	300	0	P	H
		10638.63	47.47	-26.53	74	54.55	37.97	15.57	60.62	100	360	P	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



UNII-2A 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11n HT20 CH 64 5320MHz	*	5320	101.81	-	-	88.31	35.39	10.77	32.66	296	0	P	H
		5320	94.81	-	-	81.31	35.39	10.77	32.66	296	0	A	H
		5357.8	54.5	-19.5	74	40.94	35.42	10.78	32.64	296	0	P	H
		5350	44.71	-9.29	54	31.16	35.42	10.78	32.65	296	0	A	H
	*	5320	100.26	-	-	87.06	35.09	10.77	32.66	397	18	P	V
		5320	92.2	-	-	79	35.09	10.77	32.66	397	18	A	V
		5353.3	55.38	-18.62	74	42.12	35.12	10.78	32.64	397	18	P	V
		5350	44.19	-9.81	54	30.94	35.12	10.78	32.65	397	18	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11n HT20 CH 52 5260MHz		10518.52	45.26	-23.04	68.3	51.76	38.67	15.48	60.65	100	360	P	H
		10518.52	44.01	-24.29	68.3	51.3	37.88	15.48	60.65	100	360	P	V
802.11n HT20 CH 60 5300MHz		10600.01	45.42	-28.58	74	51.79	38.72	15.54	60.63	100	360	P	H
		10600.01	44.6	-29.4	74	51.75	37.94	15.54	60.63	100	360	P	V
802.11n HT20 CH 64 5320MHz		10638.63	45.35	-28.65	74	51.66	38.74	15.57	60.62	100	360	P	H
		10638.63	45.24	-28.76	74	52.32	37.97	15.57	60.62	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11n HT40 CH 62 5310MHz		5137.6	55.86	-18.14	74	42.68	35.28	10.63	32.73	314	0	P	H
		5115.2	46.27	-7.73	54	33.14	35.26	10.61	32.74	314	0	A	H
	*	5314	99.17	-	-	85.67	35.39	10.77	32.66	314	0	P	H
		5314	91.6	-	-	78.1	35.39	10.77	32.66	314	0	A	H
		5350.4	55.54	-18.46	74	41.99	35.42	10.78	32.65	314	0	P	H
		5350.3	47.85	-6.15	54	34.3	35.42	10.78	32.65	314	0	A	H
		5130.08	55.21	-18.79	74	42.4	34.91	10.63	32.73	396	9	P	V
		5112.64	45.92	-8.08	54	33.15	34.9	10.61	32.74	396	9	A	V
	*	5308	96.3	-	-	83.12	35.08	10.76	32.66	396	9	P	V
		5308	89.03	-	-	75.85	35.08	10.76	32.66	396	9	A	V
		5354	56.1	-17.9	74	42.84	35.12	10.78	32.64	396	9	P	V
		5350.2	47.05	-6.95	54	33.8	35.12	10.78	32.65	396	9	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11n HT40 CH 54 5270MHz		10538.54	44.05	-24.25	68.3	50.51	38.68	15.5	60.64	300	0	P	H
		10538.54	44.61	-23.69	68.3	51.85	37.9	15.5	60.64	100	360	P	V
802.11n HT40 CH 62 5310MHz		10618.62	44.75	-29.25	74	51.08	38.73	15.56	60.62	300	0	P	H
		10618.62	44.38	-29.62	74	51.48	37.96	15.56	60.62	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11ac VHT80 CH 58 5290MHz		5138.08	56.67	-17.33	74	43.49	35.28	10.63	32.73	376	0	P	H
		5110.56	46.75	-7.25	54	33.62	35.26	10.61	32.74	376	0	A	H
	*	5290	95.56	-	-	82.11	35.37	10.75	32.67	376	0	P	H
		5290	87.91	-	-	74.46	35.37	10.75	32.67	376	0	A	H
		5378	55.43	-18.57	74	41.83	35.43	10.8	32.63	376	0	P	H
		5350	47.04	-6.96	54	33.49	35.42	10.78	32.65	376	0	A	H
		5101.76	56.14	-17.86	74	43.41	34.88	10.59	32.74	400	7	P	V
		5112.96	46.4	-7.6	54	33.63	34.9	10.61	32.74	400	7	A	V
	*	5284	92.83	-	-	79.69	35.06	10.75	32.67	400	7	P	V
		5284	85.37	-	-	72.23	35.06	10.75	32.67	400	7	A	V
		5362	56.1	-17.9	74	42.81	35.14	10.79	32.64	400	7	P	V
		5350.9	46.86	-7.14	54	33.61	35.12	10.78	32.65	400	7	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**UNII-2A 5250~5350MHz****WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1	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)
802.11ac VHT80		10578.58	44.8	-23.5	68.3	51.21	38.7	15.52	60.63	300	0	P	H
CH 58 5290MHz		10578.58	43.7	-24.6	68.3	50.89	37.92	15.52	60.63	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11a CH 100 5500MHz		5455.12	55.51	-18.49	74	41.74	35.48	10.89	32.6	112	0	P	H
		5462.32	54.95	-13.35	68.3	41.18	35.48	10.89	32.6	112	0	P	H
		5459.92	45.37	-8.63	54	31.6	35.48	10.89	32.6	112	0	A	H
	*	5500	101.59	-	-	87.7	35.5	10.97	32.58	112	0	P	H
		5500	94.45	-	-	80.56	35.5	10.97	32.58	112	0	A	H
		5422.48	54.19	-19.81	74	40.78	35.19	10.84	32.62	350	10	P	V
		5468.4	54.48	-13.82	68.3	40.92	35.24	10.92	32.6	350	10	P	V
		5459.92	44.8	-9.2	54	31.29	35.22	10.89	32.6	350	10	A	V
		5500	99.18	-	-	85.52	35.27	10.97	32.58	350	10	P	V
		5500	91.84	-	-	78.18	35.27	10.97	32.58	350	10	A	V
802.11a CH 140 5700MHz	*	5704	102.38	-	-	88.18	35.67	11.23	32.7	103	255	P	H
		5704	94.32	-	-	80.12	35.67	11.23	32.7	103	255	A	H
		5746.04	56.03	-12.27	68.3	41.74	35.75	11.27	32.73	103	255	P	H
	*	5698	99.57	-	-	85.7	35.35	11.22	32.7	110	291	P	V
		5698	92.28	-	-	78.41	35.35	11.22	32.7	110	291	A	V
		5734.52	55.86	-12.44	68.3	42.01	35.31	11.27	32.73	110	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11a CH 100 5500MHz		10999	44.2	-29.8	74	49.99	38.93	15.82	60.54	100	360	P	H
		10999	43.56	-30.44	74	50.05	38.23	15.82	60.54	100	360	P	V
802.11a CH 116 5580MHz		11159.16	45.85	-28.15	74	51.34	39.02	15.99	60.5	300	0	P	H
		11159.16	47.01	-26.99	74	53.17	38.35	15.99	60.5	100	360	P	V
802.11a CH 140 5700MHz		11399.39	47.14	-26.86	74	52.22	39.15	16.22	60.45	300	0	P	H
		11399.39	47.55	-26.45	74	53.25	38.53	16.22	60.45	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11n HT20 CH 100 5500MHz		5458	55.21	-18.79	74	41.44	35.48	10.89	32.6	110	4	P	H
		5467.28	54.43	-13.87	68.3	40.62	35.49	10.92	32.6	110	4	P	H
		5458.16	45.44	-8.56	54	31.67	35.48	10.89	32.6	110	4	A	H
	*	5500	101.35	-	-	87.46	35.5	10.97	32.58	110	4	P	H
		5500	93.65	-	-	79.76	35.5	10.97	32.58	110	4	A	H
		5359.92	55.09	-18.91	74	41.83	35.12	10.78	32.64	387	62	P	V
		5465.84	54.15	-14.15	68.3	40.59	35.24	10.92	32.6	387	62	P	V
		5458.32	44.77	-9.23	54	31.26	35.22	10.89	32.6	387	62	A	V
	*	5500	96.79	-	-	83.13	35.27	10.97	32.58	387	62	P	V
802.11n HT20 CH 140 5700MHz		5500	89.66	-	-	76	35.27	10.97	32.58	387	62	A	V
	*	5698	101.03	-	-	86.84	35.67	11.22	32.7	100	256	P	H
		5698	93.47	-	-	79.28	35.67	11.22	32.7	100	256	A	H
		5759.08	56.22	-12.08	68.3	41.9	35.78	11.29	32.75	100	256	P	H
	*	5698	97.21	-	-	83.34	35.35	11.22	32.7	109	291	P	V
		5698	89.72	-	-	75.85	35.35	11.22	32.7	109	291	A	V
Remark		5752.12	55.47	-12.83	68.3	41.62	35.29	11.29	32.73	109	291	P	V
	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11n HT20		10999	44.36	-29.64	74	50.15	38.93	15.82	60.54	100	360	P	H
CH 100 5500MHz		10999	43.41	-30.59	74	49.9	38.23	15.82	60.54	100	360	P	V
802.11n HT20		11159.16	44.76	-29.24	74	50.25	39.02	15.99	60.5	300	0	P	H
CH 116 5580MHz		11159.16	45.1	-28.9	74	51.26	38.35	15.99	60.5	100	360	P	V
802.11n HT20		11399.39	45.89	-28.11	74	50.97	39.15	16.22	60.45	300	0	P	H
CH 140 5700MHz		11399.39	45.24	-28.76	74	50.94	38.53	16.22	60.45	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11n HT40 CH 102 5510MHz		5435.6	54.79	-19.21	74	41.07	35.47	10.86	32.61	111	5	P	H
		5469.68	58.36	-9.94	68.3	44.55	35.49	10.92	32.6	111	5	P	H
		5459.98	46.59	-7.41	54	32.82	35.48	10.89	32.6	111	5	A	H
	*	5506	96.51	-	-	82.61	35.51	10.97	32.58	111	5	P	H
		5506	89.16	-	-	75.26	35.51	10.97	32.58	111	5	A	H
		5746.12	56.02	-12.28	68.3	41.73	35.75	11.27	32.73	111	5	P	H
		5452.24	54.6	-19.4	74	41.09	35.22	10.89	32.6	387	10	P	V
		5466.64	57.04	-11.26	68.3	43.48	35.24	10.92	32.6	387	10	P	V
		5458.48	45.54	-8.46	54	32.03	35.22	10.89	32.6	387	10	A	V
	*	5512	95.28	-	-	81.62	35.27	10.97	32.58	387	10	P	V
		5512	86.85	-	-	73.19	35.27	10.97	32.58	387	10	A	V
		5752.68	55.09	-13.21	68.3	41.26	35.29	11.29	32.75	387	10	P	V
802.11n HT40 CH 134 5670MHz		5396.72	54.63	-19.37	74	41.01	35.44	10.81	32.63	362	10	P	H
		5468.56	54.22	-14.08	68.3	40.41	35.49	10.92	32.6	362	10	P	H
		5453.04	45.51	-8.49	54	31.74	35.48	10.89	32.6	362	10	A	H
	*	5668	97.04	-	-	82.91	35.62	11.2	32.69	362	10	P	H
		5668	88.97	-	-	74.84	35.62	11.2	32.69	362	10	A	H
		5743.4	56.33	-11.97	68.3	42.04	35.75	11.27	32.73	362	10	P	H
		5447.12	55.19	-18.81	74	41.68	35.22	10.89	32.6	100	291	P	V
		5468.24	54.86	-13.44	68.3	41.3	35.24	10.92	32.6	100	291	P	V
		5458.48	45.33	-8.67	54	31.82	35.22	10.89	32.6	100	291	A	V
	*	5674	94.05	-	-	80.17	35.37	11.2	32.69	100	291	P	V
		5674	86.32	-	-	72.44	35.37	11.2	32.69	100	291	A	V
		5740.44	55.25	-13.05	68.3	41.4	35.31	11.27	32.73	100	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11n HT40 CH 102 5510MHz		11019.02	45.17	-28.83	74	50.93	38.94	15.84	60.54	300	0	P	H
		11019.02	44.87	-29.13	74	51.33	38.24	15.84	60.54	100	360	P	V
802.11n HT40 CH 110 5550MHz		11099.1	44.52	-29.48	74	50.14	38.98	15.92	60.52	300	0	P	H
		11099.1	44.39	-29.61	74	50.69	38.3	15.92	60.52	100	360	P	V
802.11n HT40 CH 134 5670MHz		11339.33	46.54	-27.46	74	51.74	39.11	16.16	60.47	300	0	P	H
		11339.33	44.5	-29.5	74	50.33	38.48	16.16	60.47	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11ac VHT80 CH 106 5530MHz		5443.6	55.64	-18.36	74	41.92	35.47	10.86	32.61	342	4	P	H
		5468.4	57.66	-10.64	68.3	43.85	35.49	10.92	32.6	342	4	P	H
		5459.44	47.68	-6.32	54	33.91	35.48	10.89	32.6	342	4	A	H
	*	5518	92.8	-	-	78.89	35.51	11	32.6	342	4	P	H
		5518	85.22	-	-	71.31	35.51	11	32.6	342	4	A	H
		5743.4	55.92	-12.38	68.3	41.63	35.75	11.27	32.73	342	4	P	H
		5458.8	56.35	-17.65	74	42.84	35.22	10.89	32.6	364	9	P	V
		5467.44	56.78	-11.52	68.3	43.22	35.24	10.92	32.6	364	9	P	V
		5459.76	47.37	-6.63	54	33.86	35.22	10.89	32.6	364	9	A	V
	*	5536	90.96	-	-	77.24	35.3	11.02	32.6	364	9	P	V
		5536	83.57	-	-	69.85	35.3	11.02	32.6	364	9	A	V
		5742.52	54.77	-13.53	68.3	40.92	35.31	11.27	32.73	364	9	P	V
802.11ac VHT80 CH 122 5610MHz		5435.92	55.04	-18.96	74	41.32	35.47	10.86	32.61	110	12	P	H
		5467.28	55.17	-13.13	68.3	41.36	35.49	10.92	32.6	110	12	P	H
		5378.32	45.76	-8.24	54	32.16	35.43	10.8	32.63	110	12	A	H
	*	5614	92.05	-	-	78	35.58	11.13	32.66	110	12	P	H
		5614	84.63	-	-	70.58	35.58	11.13	32.66	110	12	A	H
		5738.04	55.86	-12.44	68.3	41.6	35.72	11.27	32.73	110	12	P	H
		5393.2	54.52	-19.48	74	41.19	35.16	10.8	32.63	394	13	P	V
		5464.56	54.21	-14.09	68.3	40.65	35.24	10.92	32.6	394	13	P	V
		5458.96	45.75	-8.25	54	32.24	35.22	10.89	32.6	394	13	A	V
	*	5620	90.62	-	-	76.75	35.38	11.15	32.66	394	13	P	V
		5620	82.88	-	-	69.01	35.38	11.15	32.66	394	13	A	V
		5752.6	55.31	-12.99	68.3	41.48	35.29	11.29	32.75	394	13	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11ac VHT80		11059.05	44	-30	74	49.68	38.96	15.89	60.53	100	360	P	H
CH 106 5530MHz		11059.05	43.21	-30.79	74	49.57	38.28	15.89	60.53	100	360	P	V
802.11ac VHT80		11219.21	46.6	-27.4	74	52	39.05	16.04	60.49	300	0	P	H
CH 122 5610MHz		11219.21	45.99	-28.01	74	52.05	38.39	16.04	60.49	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**UNII-2C - Straddle Channel****WIFI 802.11a (Band Edge @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz	*	5722	101.94	-	-	87.71	35.7	11.25	32.72	300	0	P	H
		5722	94.19	-	-	79.96	35.7	11.25	32.72	300	0	A	H
	*	5722	97.31	-	-	83.46	35.32	11.25	32.72	100	0	P	V
		5722	90.03	-	-	76.18	35.32	11.25	32.72	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**UNII-2C - Straddle Channel****WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 1	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)
802.11a		11440	49.01	-24.99	74	54.08	39.16	16.26	60.49	100	360	P	H
CH 144 5720MHz		11440	47.72	-26.28	74	53.4	38.55	16.26	60.49	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11n	*	5716	99.88	-	-	85.67	35.7	11.23	32.72	300	0	P	H
HT20		5716	93.47	-	-	79.26	35.7	11.23	32.72	300	0	A	H
CH 144	*	5722	95.29	-	-	81.44	35.32	11.25	32.72	100	0	P	V
5720MHz		5722	87.98	-	-	74.13	35.32	11.25	32.72	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11n HT20		11440	47.63	-26.37	74	52.7	39.16	16.26	60.49	100	360	P	H
CH 144 5720MHz		11440	47.44	-26.56	74	53.12	38.55	16.26	60.49	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11n	*	5710	97.95	-	-	83.74	35.7	11.23	32.72	300	0	P	H
HT40		5710	90.74	-	-	76.53	35.7	11.23	32.72	300	0	A	H
CH 142	*	5716	92.65	-	-	78.8	35.34	11.23	32.72	100	0	P	V
5710MHz		5716	85.08	-	-	71.23	35.34	11.23	32.72	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - Straddle Channel
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11n HT40		11419.42	45.1	-28.9	74	50.16	39.15	16.24	60.45	100	360	P	H
CH 142 5710MHz		11419.42	44.18	-29.82	74	49.85	38.54	16.24	60.45	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11ac	*	5698	90.91	-	-	76.72	35.67	11.22	32.7	300	0	P	H
VHT80		5698	84.01	-	-	69.82	35.67	11.22	32.7	300	0	A	H
CH 138	*	5698	85.99	-	-	72.12	35.35	11.22	32.7	100	0	P	V
5690MHz		5698	78.99	-	-	65.12	35.35	11.22	32.7	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11ac VHT80		11379.38	44.66	-29.34	74	49.78	39.13	16.21	60.46	100	360	P	H
CH 138 5690MHz		11379.38	43.51	-30.49	74	49.25	38.51	16.21	60.46	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - Straddle Channel

Emission below 1GHz

WIFI 802.11n HT40 (LF @ 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.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		30	20.6	-19.4	40	27.16	25.1	0.54	32.2	-	-	P	H
		86.26	17.96	-22.04	40	34.36	14.32	1.42	32.14	-	-	P	H
		154.16	28.17	-15.33	43.5	41.4	16.86	2.01	32.1	147	209	P	H
		211.39	25.62	-17.88	43.5	40.15	15.21	2.38	32.12	-	-	P	H
		789.51	28.82	-17.18	46	28.33	28.2	4.59	32.3	-	-	P	H
		871.96	28.93	-17.07	46	27.21	29.21	4.82	32.31	-	-	P	H
		47.46	31.43	-8.57	40	46.95	15.87	0.81	32.2	209	216	P	V
		85.29	24.69	-15.31	40	41.19	14.2	1.4	32.1	-	-	P	V
		212.36	25.61	-17.89	43.5	40.13	15.22	2.38	32.12	-	-	P	V
		492.69	23.35	-22.65	46	28.24	23.86	3.62	32.37	-	-	P	V
		740.04	28.36	-17.64	46	28.29	27.91	4.44	32.28	-	-	P	V
		860.32	29.16	-16.84	46	27.47	29.26	4.79	32.36	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against 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:

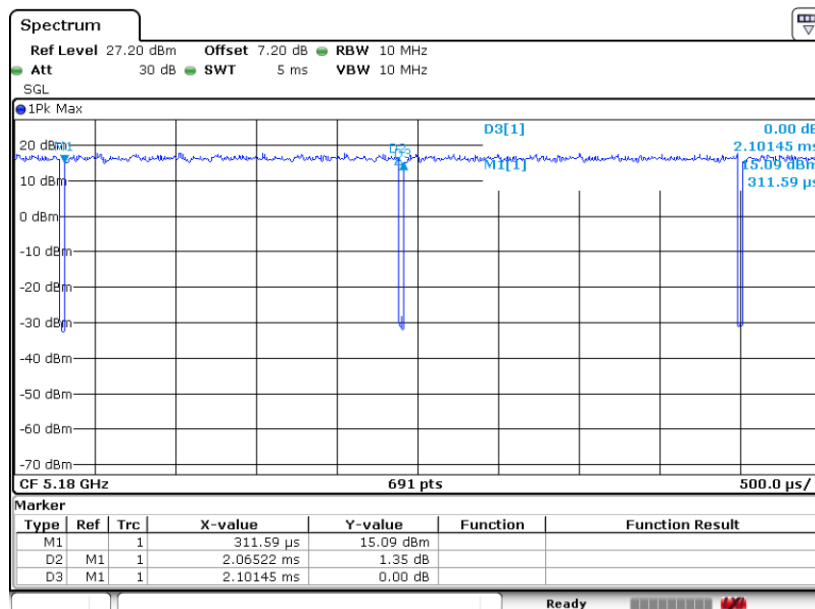
1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

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

Appendix D. Duty Cycle Plots

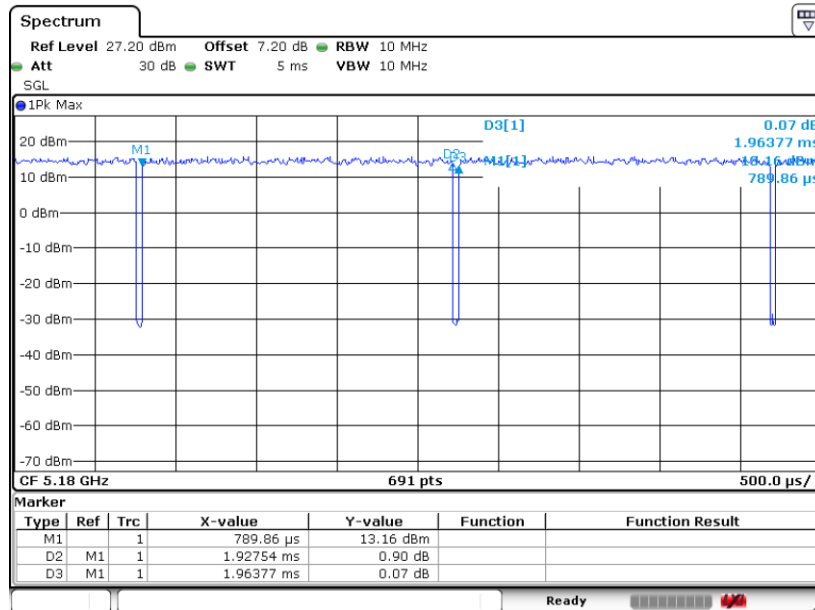
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	98.28	-	-	10Hz
802.11n HT20	98.16	-	-	10Hz
802.11n HT40	96.32	0.949	1.053	1.1KHz
802.11ac VHT80	92.49	0.464	2.156	2.2KHz

802.11a

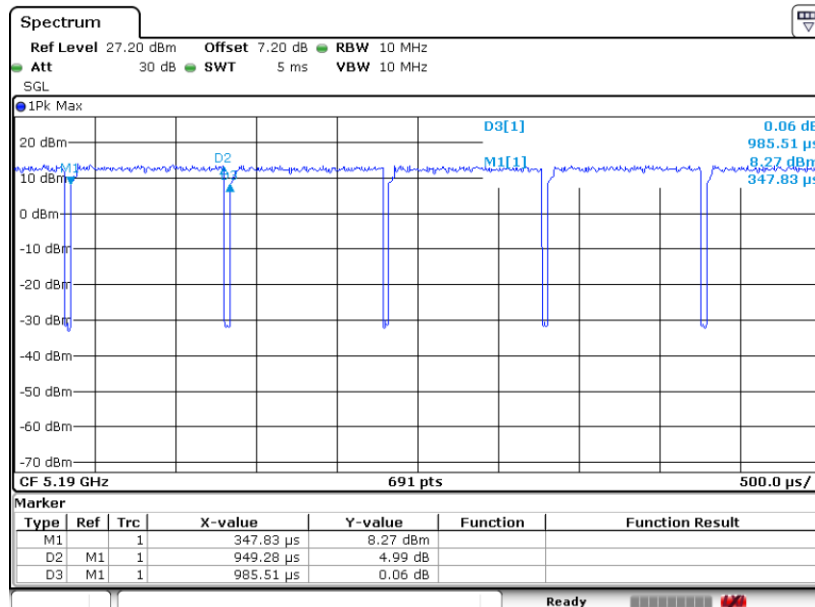




802.11n HT20



802.11n HT40





802.11ac VHT80

