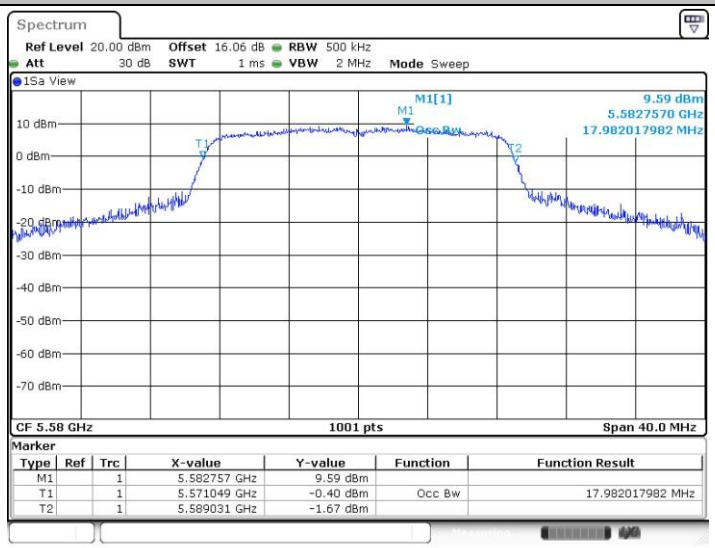
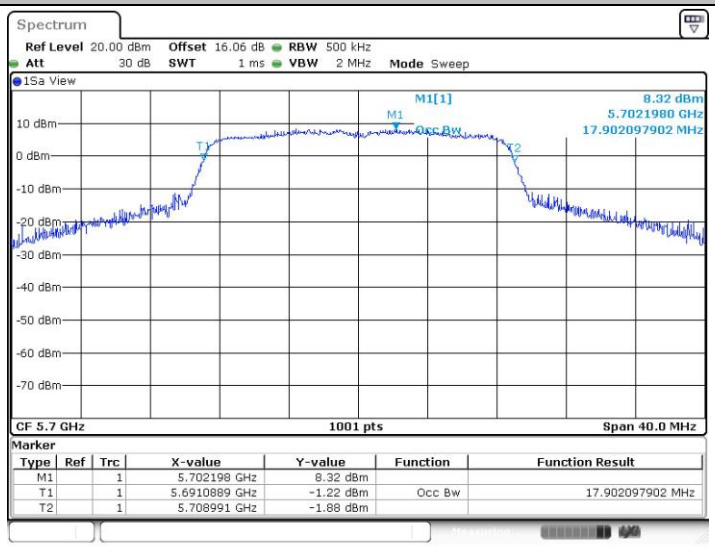
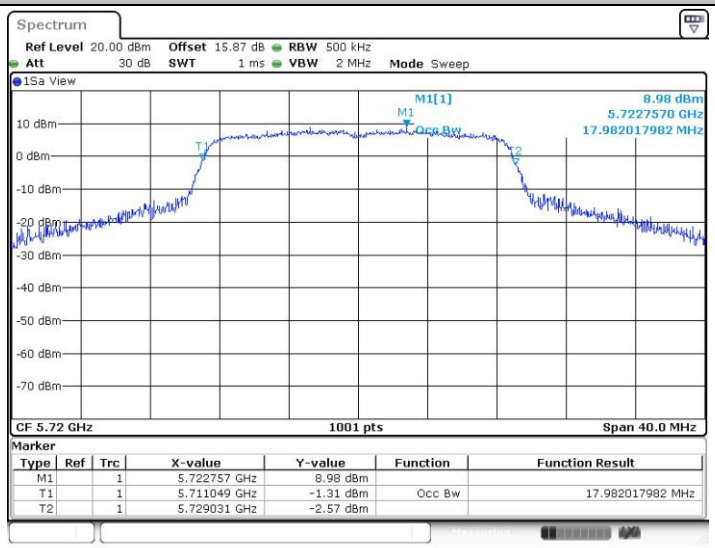
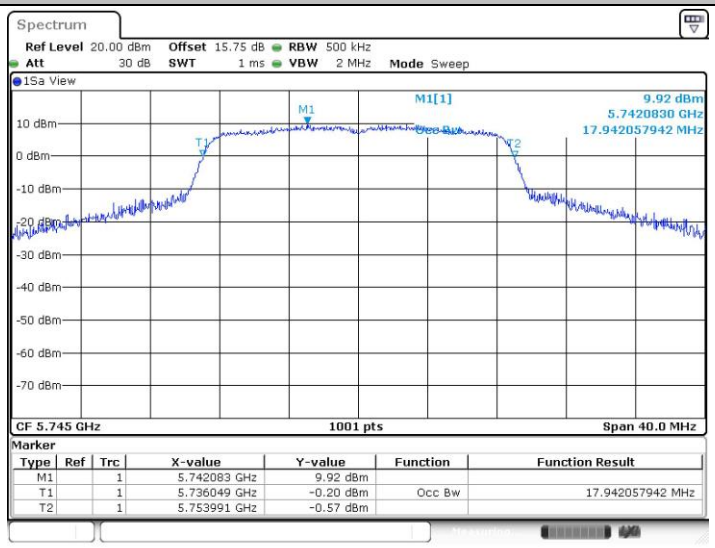
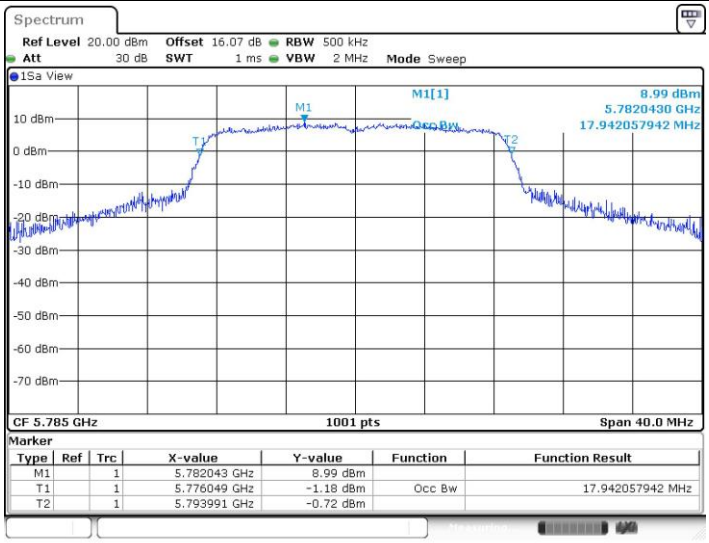
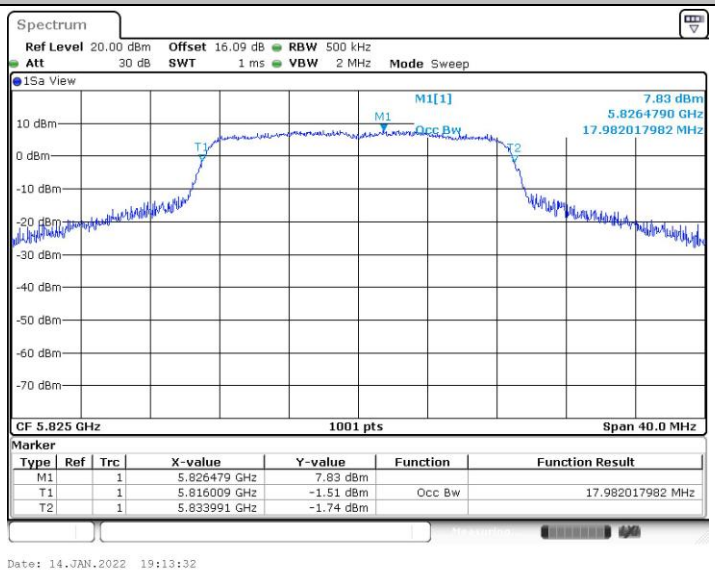
11N20SISO_Ant1_5580


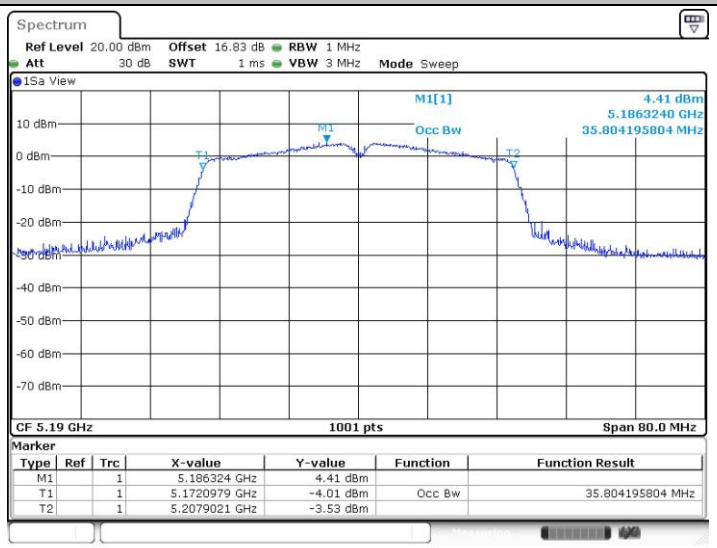
11N20SISO_Ant1_5700


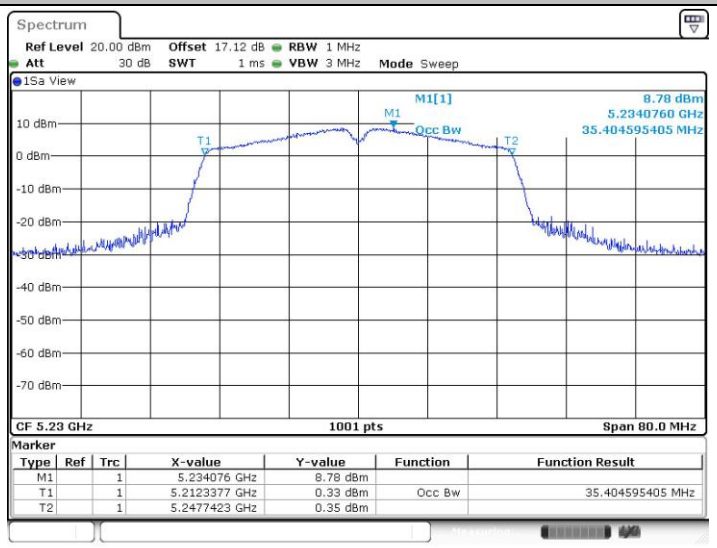
11N20SISO_Ant1_5720


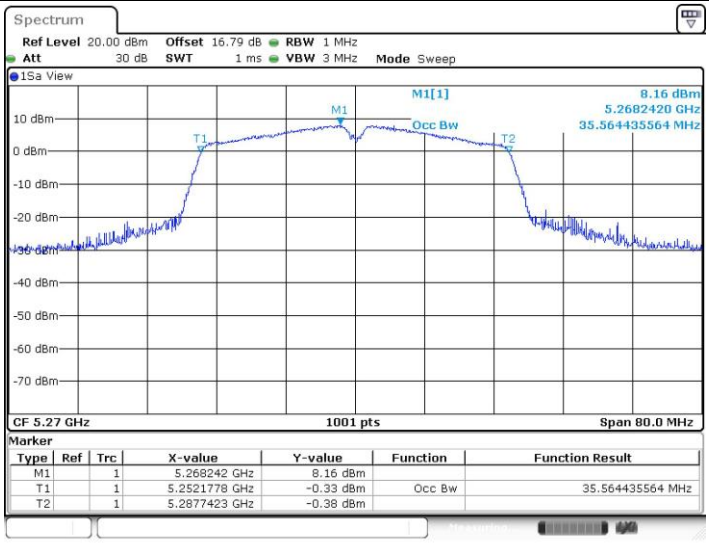
11N20SISO_Ant1_5745


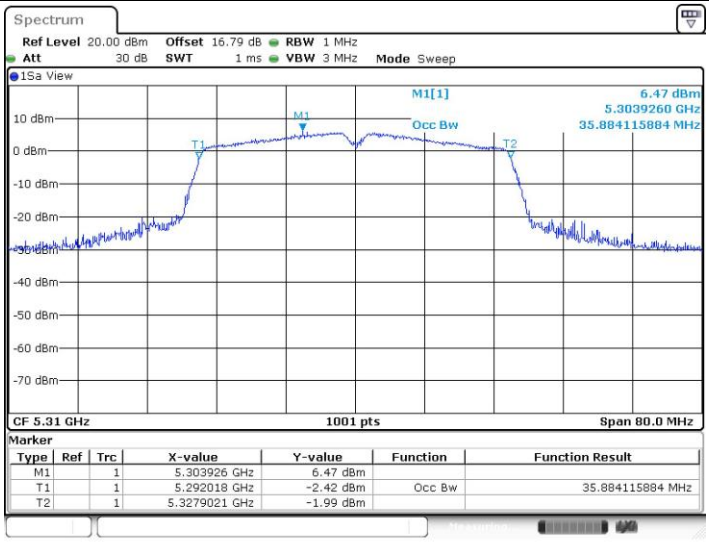
11N20SISO_Ant1_5785


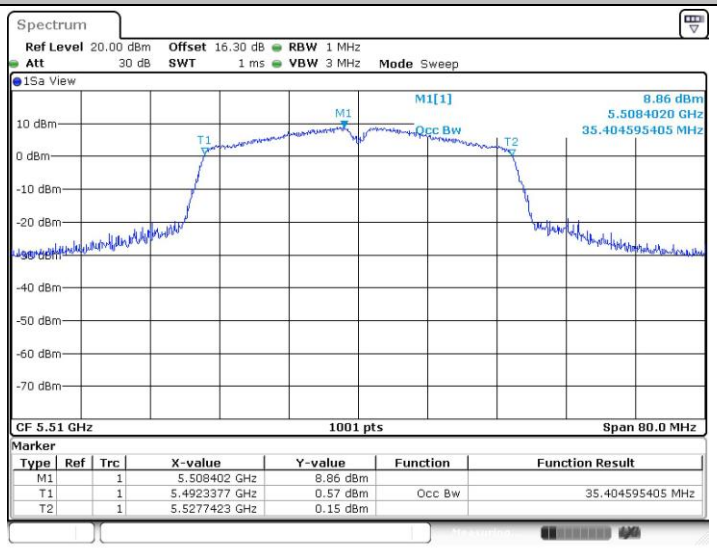
11N20SISO_Ant1_5825


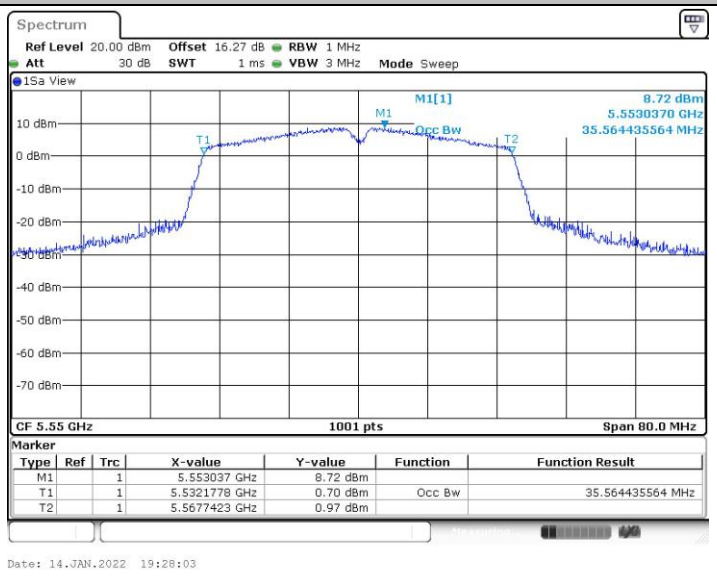
11N40SISO_Ant1_5190


11N40SISO_Ant1_5230


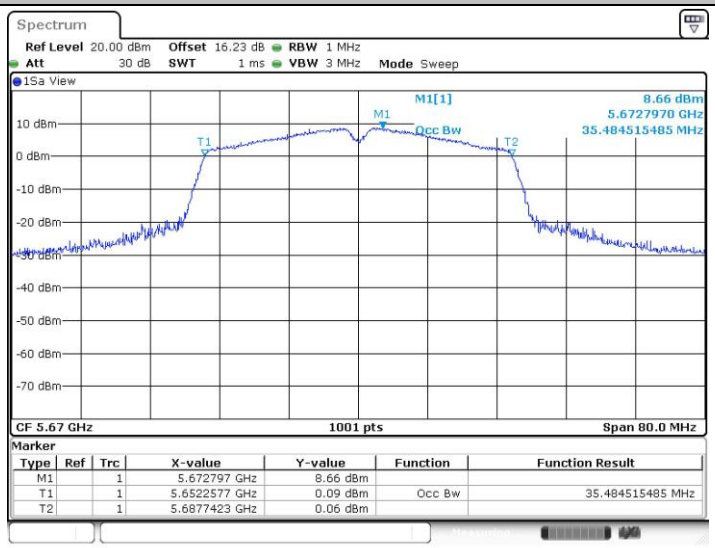
11N40SISO_Ant1_5270


11N40SISO_Ant1_5310


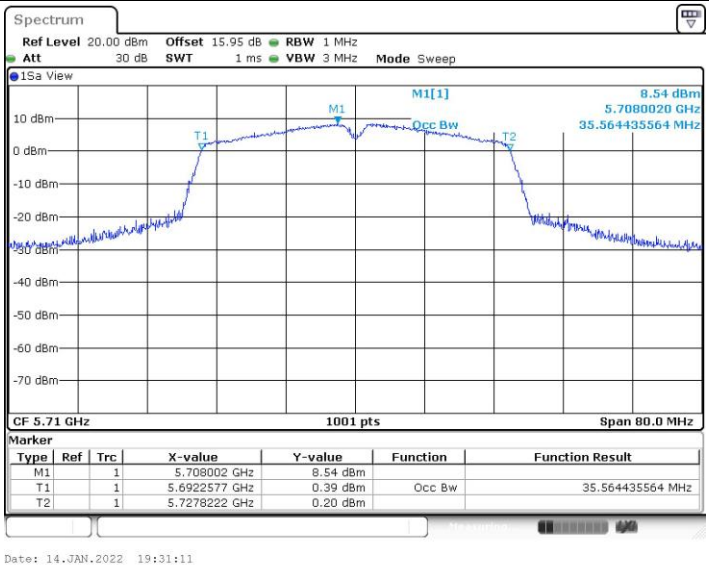
11N40SISO_Ant1_5510


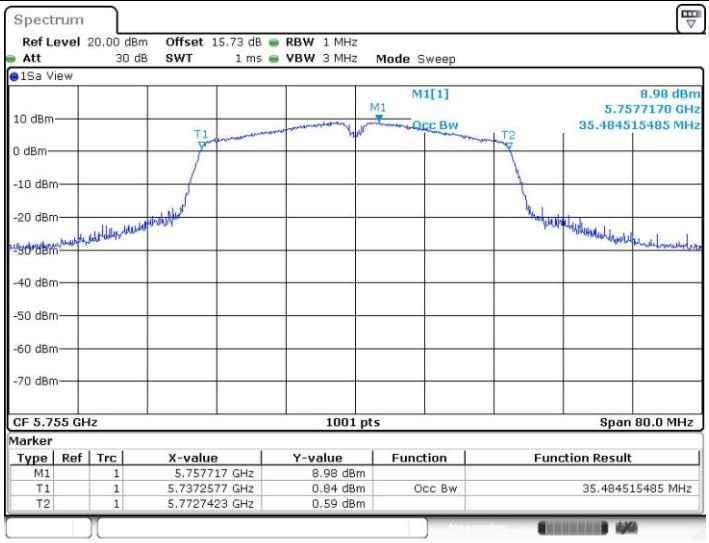
11N40SISO_Ant1_5550


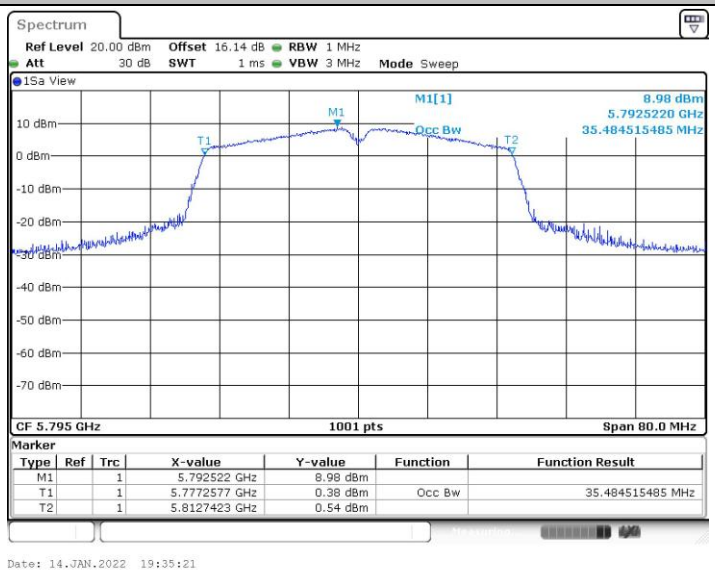
11N40SISO_Ant1_5670

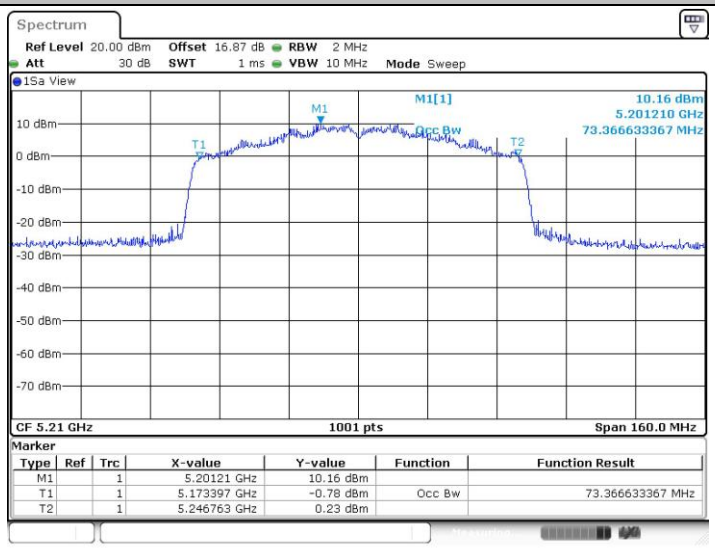


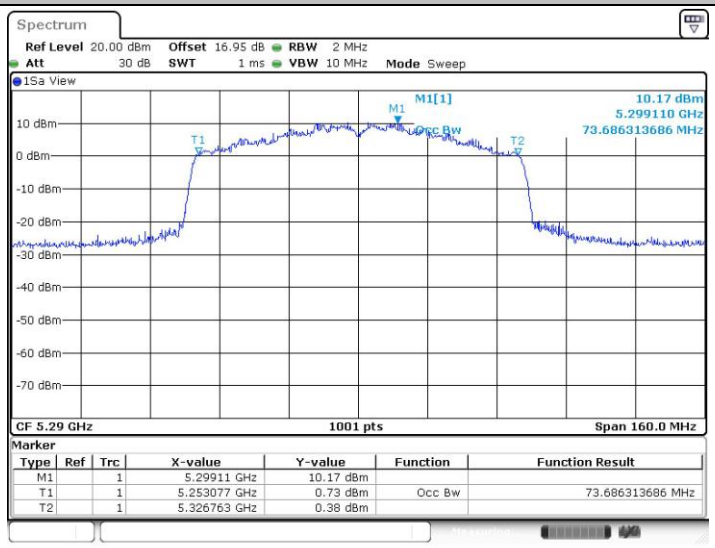
11N40SISO_Ant1_5710

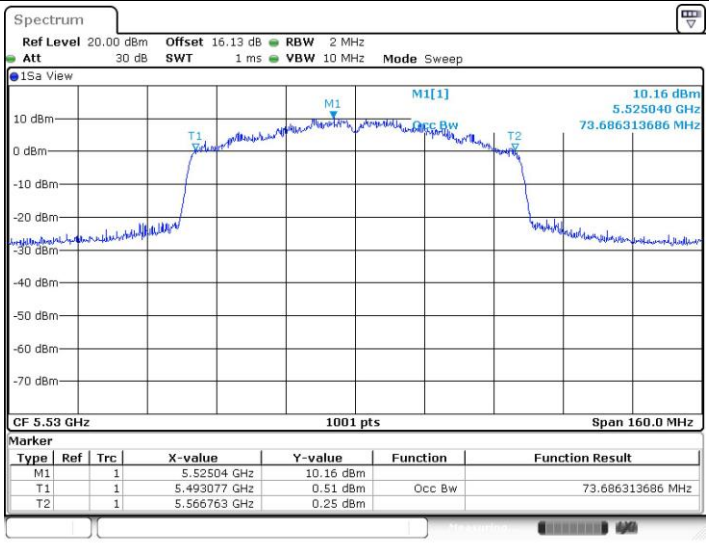


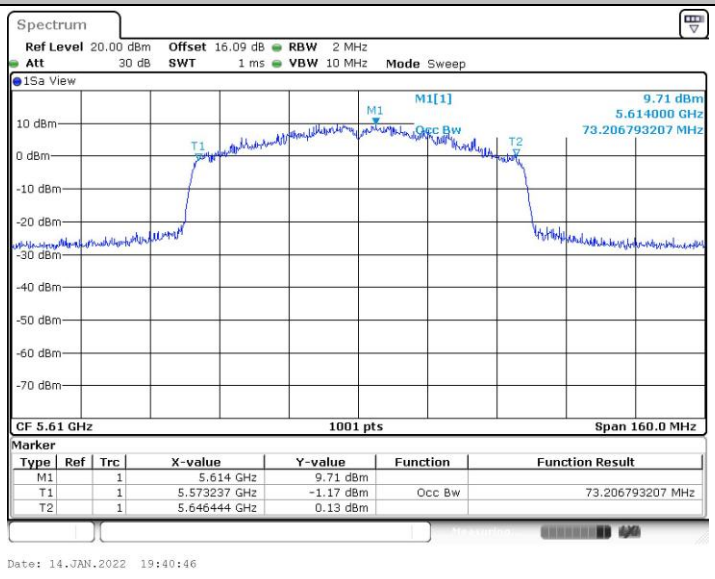
11N40SISO_Ant1_5755


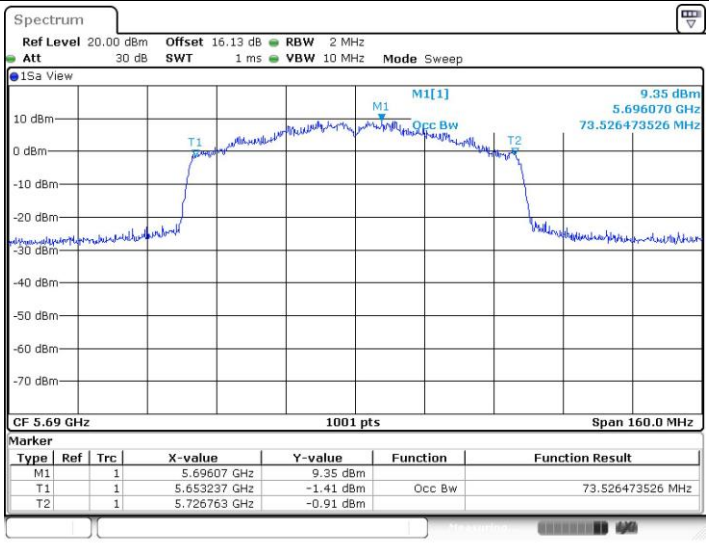
11N40SISO_Ant1_5795


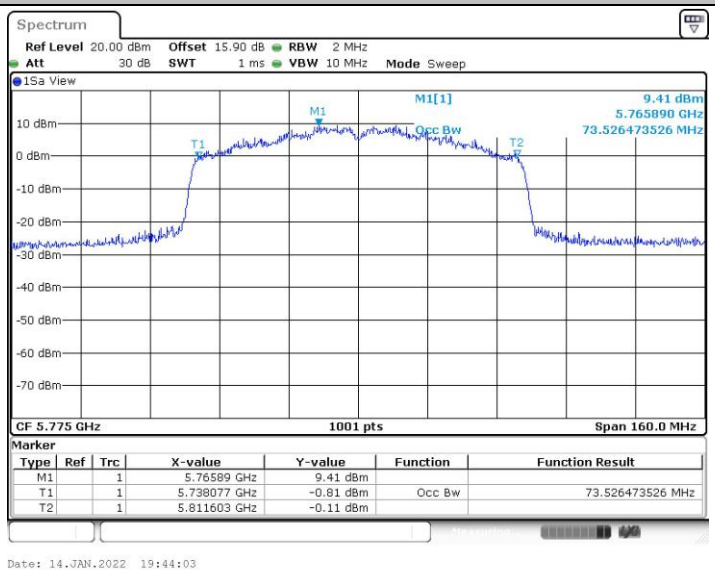
11AC80SISO_Ant1_5210


11AC80SISO_Ant1_5290


11AC80SISO_Ant1_5530


11AC80SISO_Ant1_5610


11AC80SISO_Ant1_5690


11AC80SISO_Ant1_5775


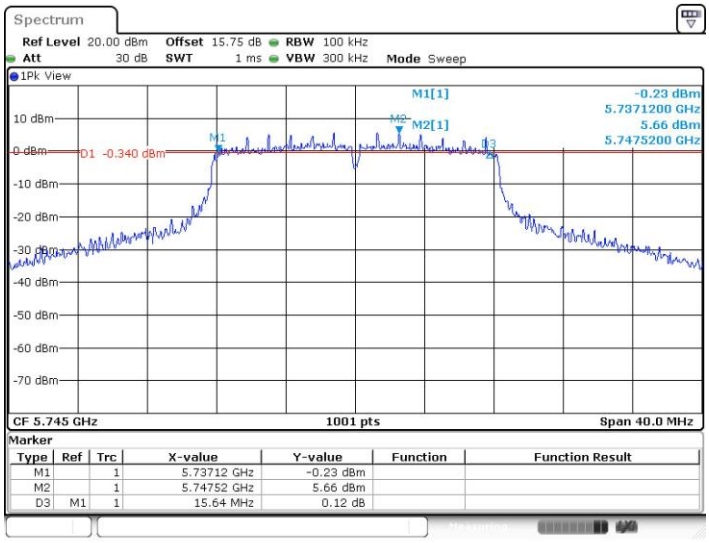
Min emission bandwidth

Test Result B4

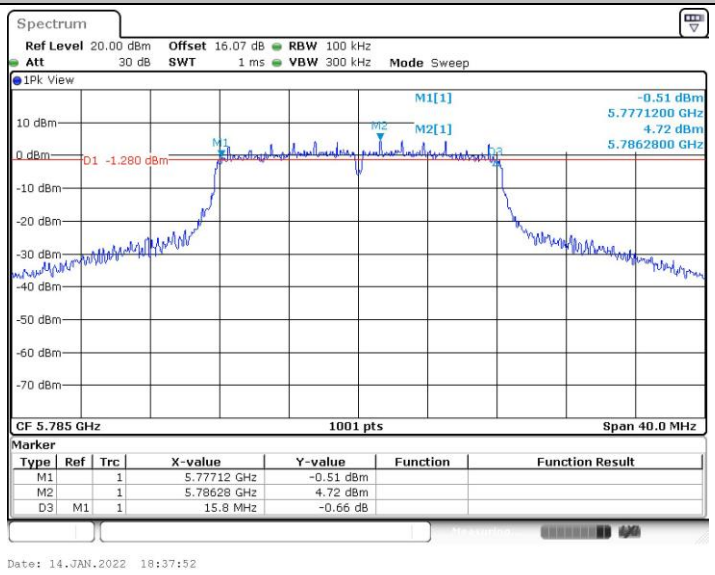
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.64	5737.12	5752.76	0.5	PASS
		5785	15.80	5777.12	5792.92	0.5	PASS
		5825	16.28	5816.88	5833.16	0.5	PASS
11N20SISO	Ant1	5745	16.32	5736.88	5753.20	0.5	PASS
		5785	16.80	5776.64	5793.44	0.5	PASS
		5825	16.88	5816.52	5833.40	0.5	PASS
11N40SISO	Ant1	5755	31.28	5738.76	5770.04	0.5	PASS
		5795	32.56	5778.76	5811.32	0.5	PASS
11AC80SISO	Ant1	5775	52.64	5747.48	5800.12	0.5	PASS

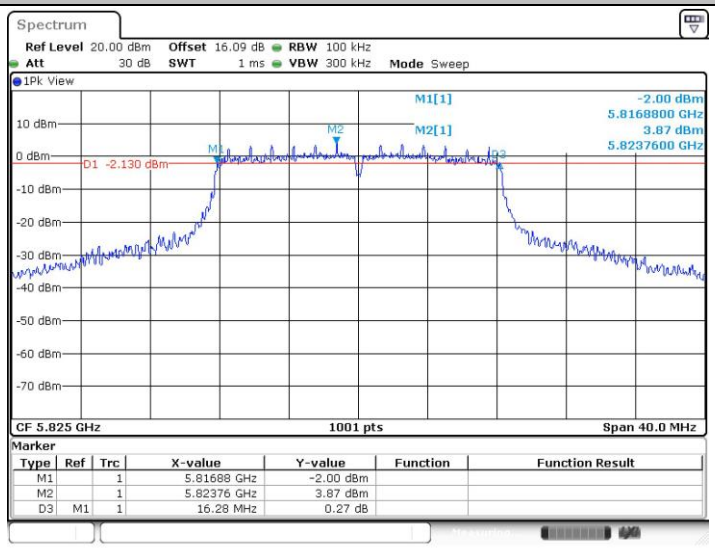
Test Graphs B4

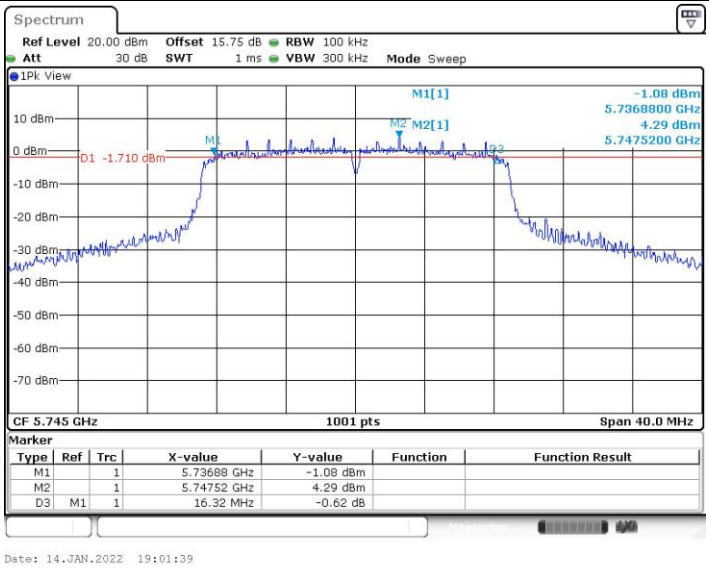
11A_Ant1_5745

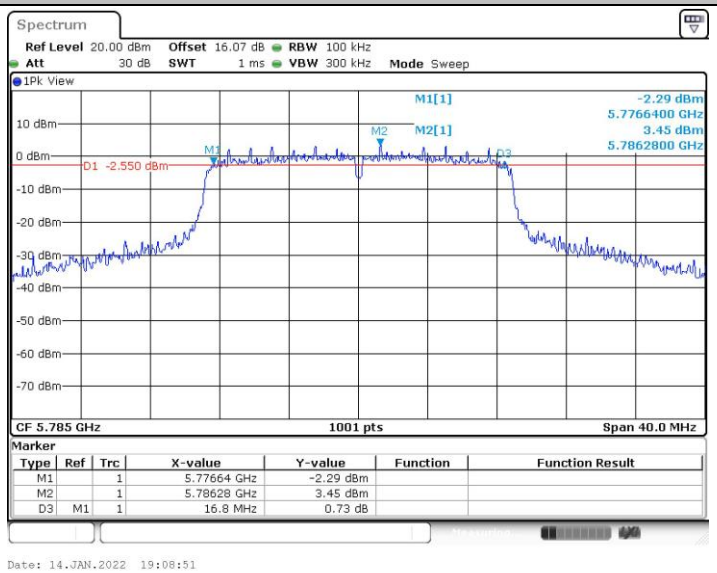


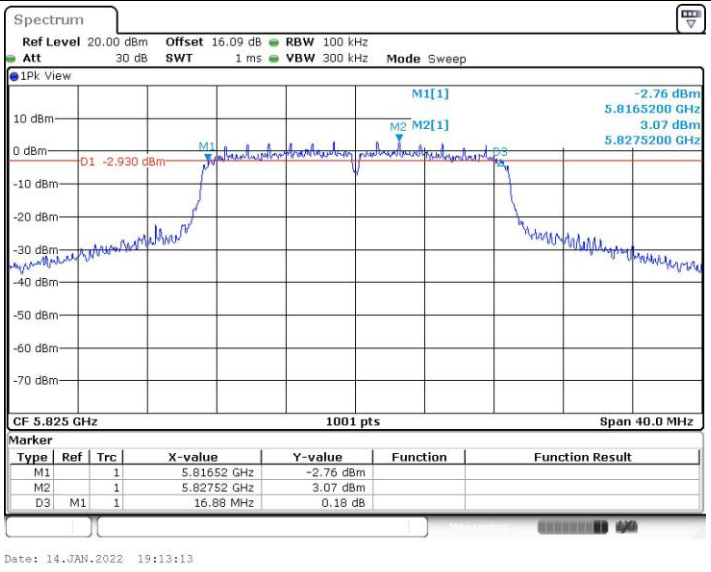
11A_Ant1_5785

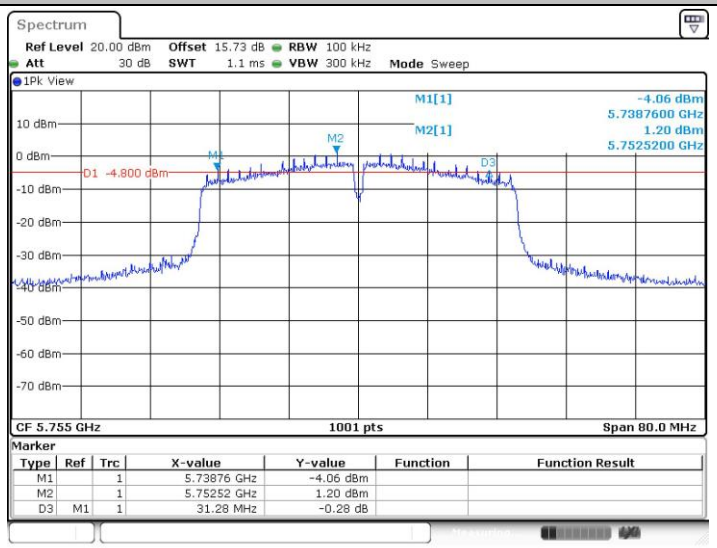


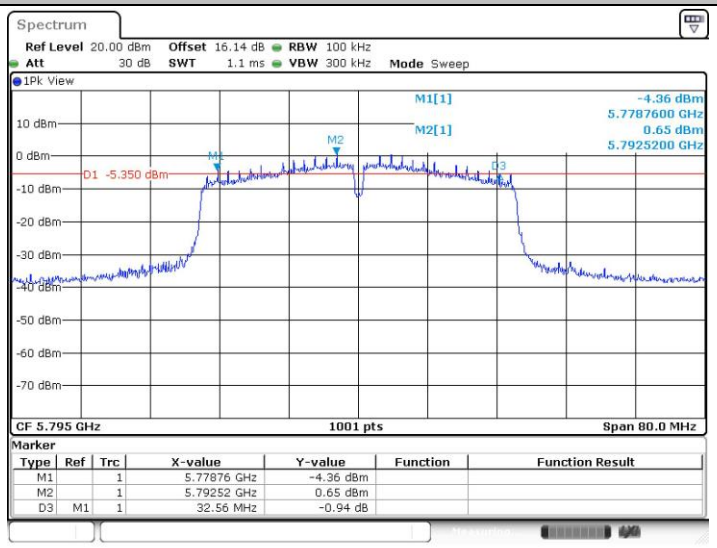
11A_Ant1_5825


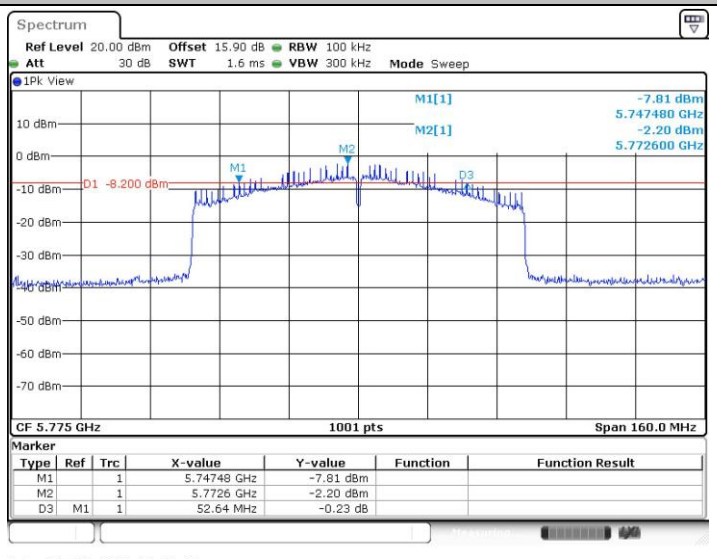
11N20SISO_Ant1_5745


11N20SISO_Ant1_5785


11N20SISO_Ant1_5825


11N40SISO_Ant1_5755


11N40SISO_Ant1_5795


11AC80SISO_Ant1_5775


Maximum power spectral density

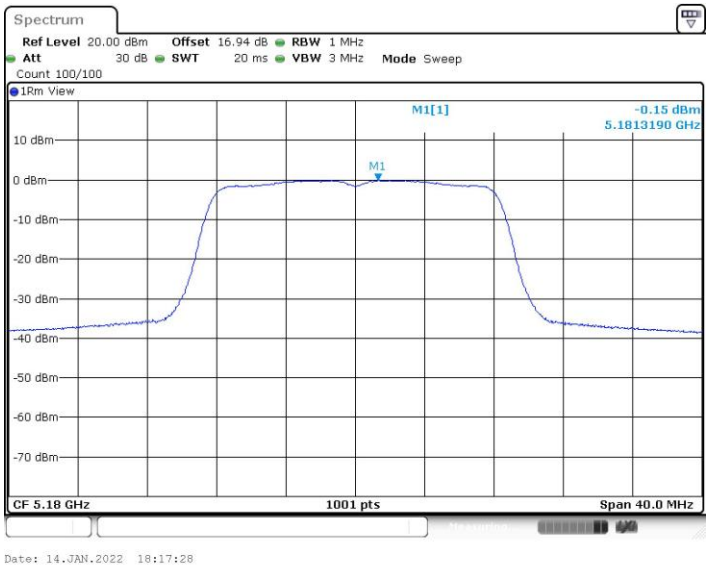
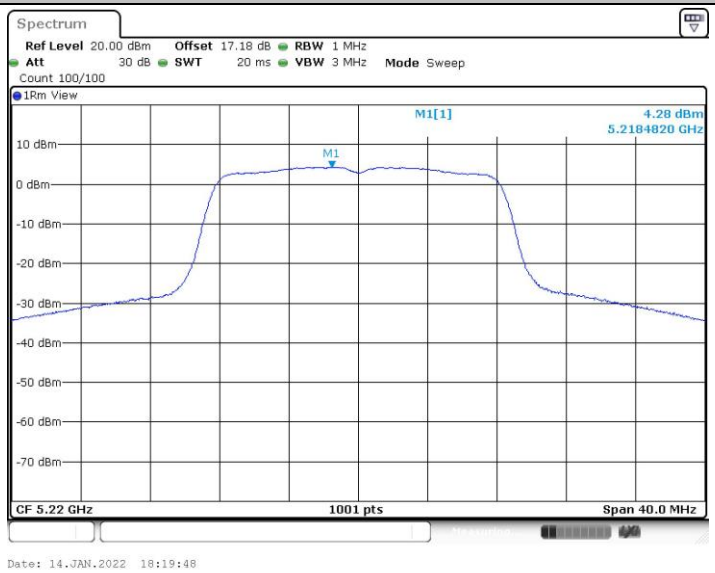
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-0.15	≤11.00	PASS
		5220	4.28	≤11.00	PASS
		5240	4.94	≤11.00	PASS
		5260	4.67	≤11.00	PASS
		5300	4.71	≤11.00	PASS
		5320	2.44	≤11.00	PASS
		5500	5.1	≤11.00	PASS
		5580	4.79	≤11.00	PASS
		5700	4.1	≤11.00	PASS
		5720_UNII-2C	4.45	≤11.00	PASS
		5720_UNII-3	0.5	≤11.00	PASS
		5745	2.3	≤30.00	PASS
		5785	1.69	≤30.00	PASS
		5825	1.13	≤30.00	PASS
11N20SISO	Ant1	5180	0.27	≤11.00	PASS
		5220	3.37	≤11.00	PASS
		5240	4.1	≤11.00	PASS
		5260	3.72	≤11.00	PASS
		5300	3.91	≤11.00	PASS
		5320	1.67	≤11.00	PASS
		5500	4.25	≤11.00	PASS
		5580	4.05	≤11.00	PASS
		5700	3.36	≤11.00	PASS
		5720_UNII-2C	3.32	≤11.00	PASS
		5720_UNII-3	-0.54	≤11.00	PASS
		5745	1.58	≤30.00	PASS
		5785	0.55	≤30.00	PASS
		5825	-0.1	≤30.00	PASS

11N40SISO	Ant1	5190	-4.13	≤11.00	PASS
		5230	0.21	≤11.00	PASS
		5270	-0.23	≤11.00	PASS
		5310	-2.47	≤11.00	PASS
		5510	0.75	≤11.00	PASS
		5550	0.75	≤11.00	PASS
		5670	0.59	≤11.00	PASS
		5710_UNII-2C	0.07	≤11.00	PASS
		5710_UNII-3	-7.74	≤11.00	PASS
		5755	-2.16	≤30.00	PASS
		5795	-2.52	≤30.00	PASS
11AC80SISO	Ant1	5210	-2.73	≤11.00	PASS
		5290	-2.65	≤11.00	PASS
		5530	-2.67	≤11.00	PASS
		5610	-2.78	≤11.00	PASS
		5690_UNII-2C	-3.34	≤11.00	PASS
		5690_UNII-3	-15.3	≤11.00	PASS
		5775	-6.26	≤30.00	PASS

Note：1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5180

11A_Ant1_5220


11A_Ant1_5240

11A_Ant1_5260


11A_Ant1_5300

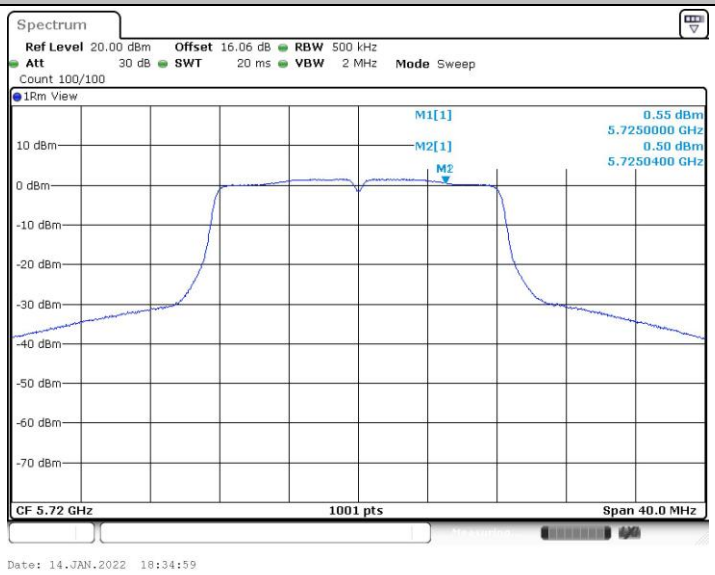
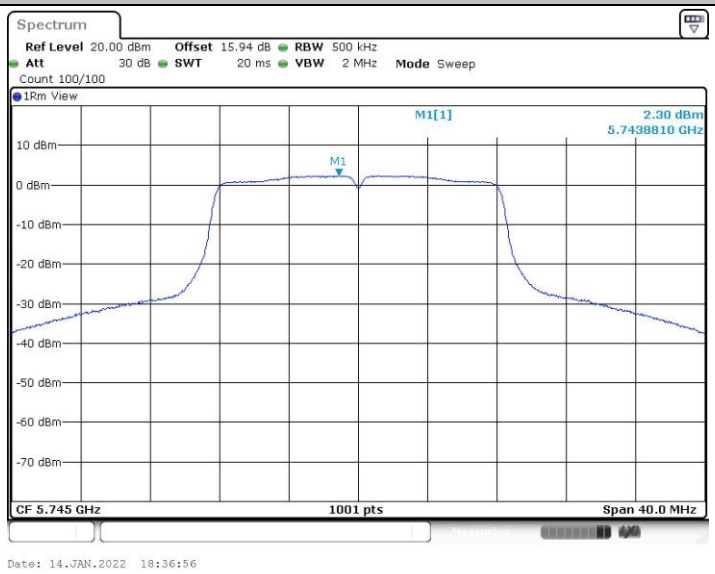

11A_Ant1_5320


11A_Ant1_5500

11A_Ant1_5580


11A_Ant1_5700

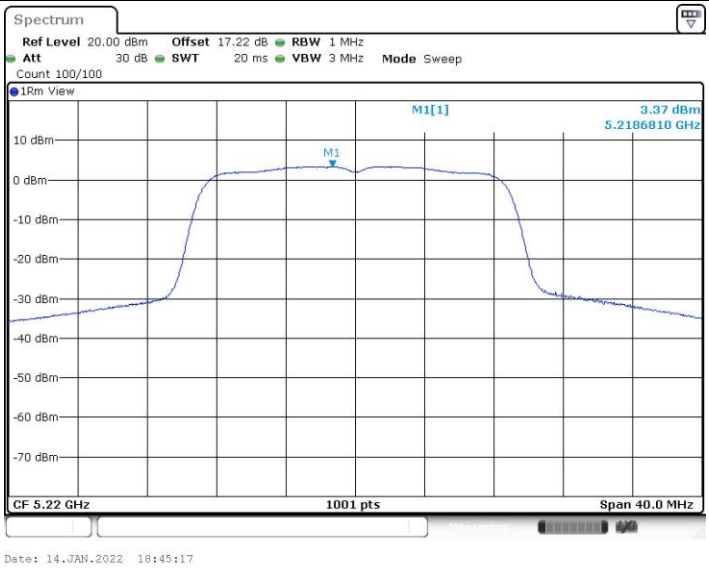
11A_Ant1_5720_UNII-2C


11A_Ant1_5720_UNII-3

11A_Ant1_5745


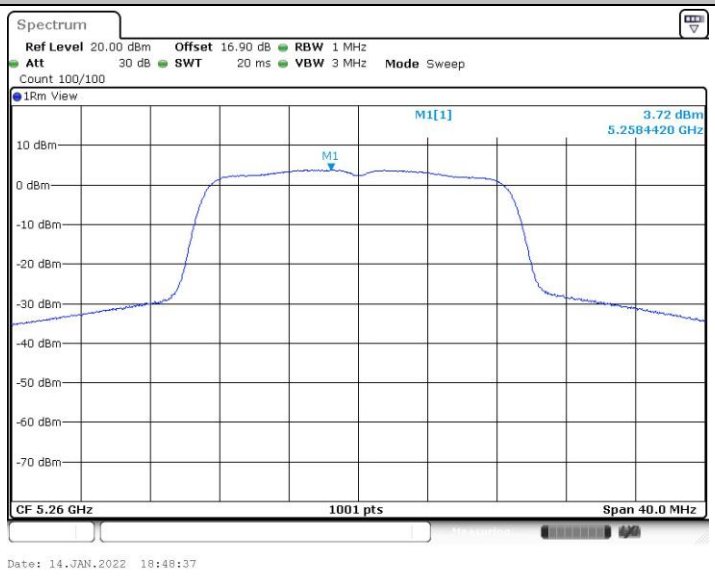
11A_Ant1_5785


11A_Ant1_5825


11N20SISO_Ant1_5180

11N20SISO_Ant1_5220


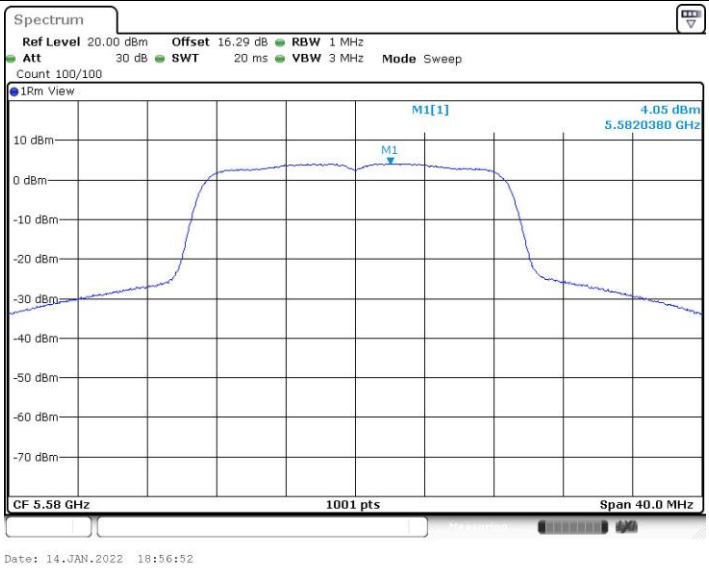
11N20SISO_Ant1_5240


11N20SISO_Ant1_5260


11N20SISO_Ant1_5300

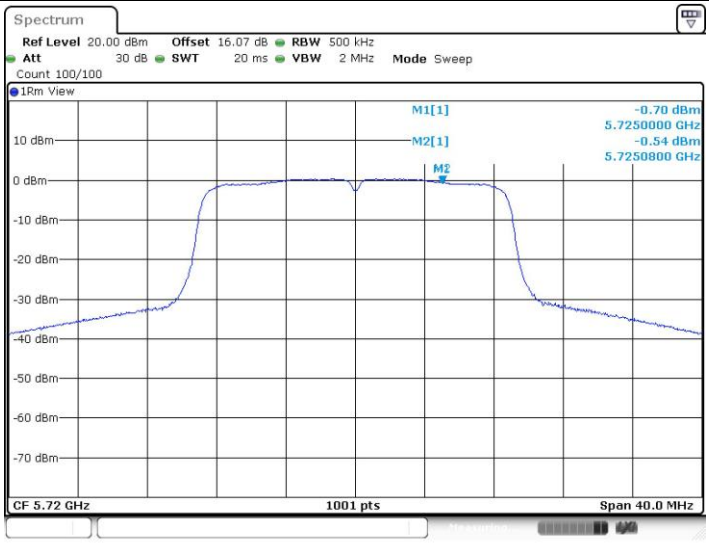
11N20SISO_Ant1_5320


11N20SISO_Ant1_5500

11N20SISO_Ant1_5580


11N20SISO_Ant1_5700

11N20SISO_Ant1_5720_UNII-2C


11N20SISO_Ant1_5720_UNII-3

11N20SISO_Ant1_5745

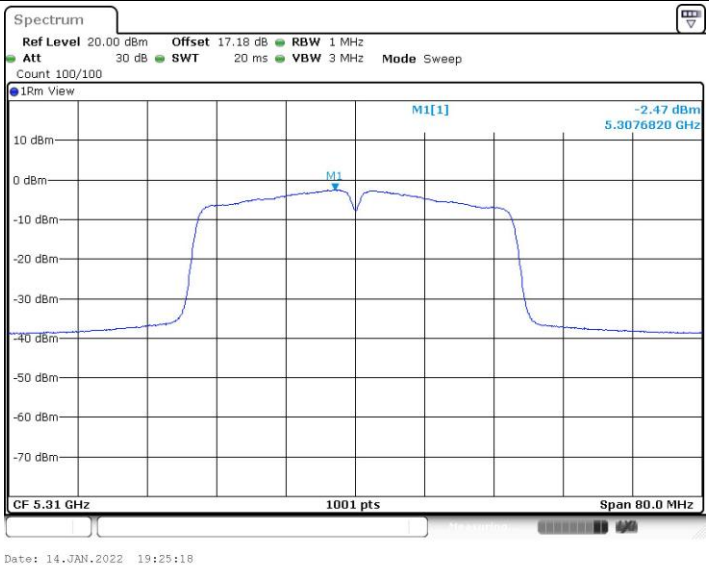

11N20SISO_Ant1_5785

11N20SISO_Ant1_5825


11N40SISO_Ant1_5190

11N40SISO_Ant1_5230


11N40SISO_Ant1_5270

11N40SISO_Ant1_5310


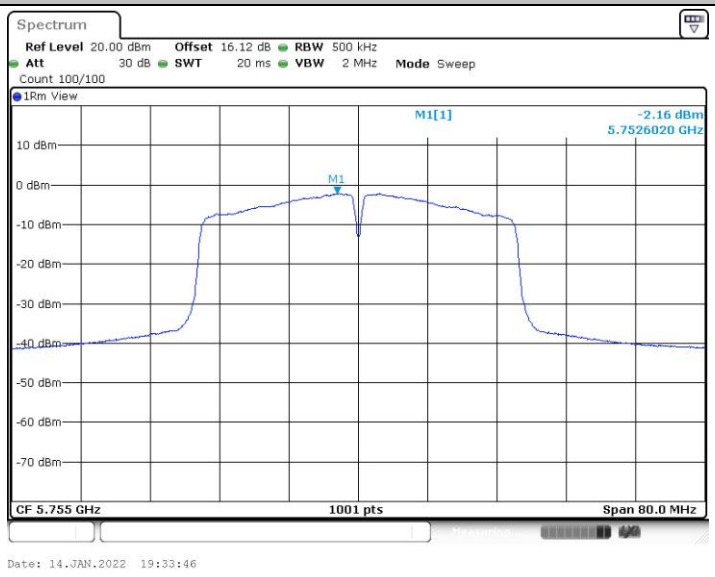
11N40SISO_Ant1_5510

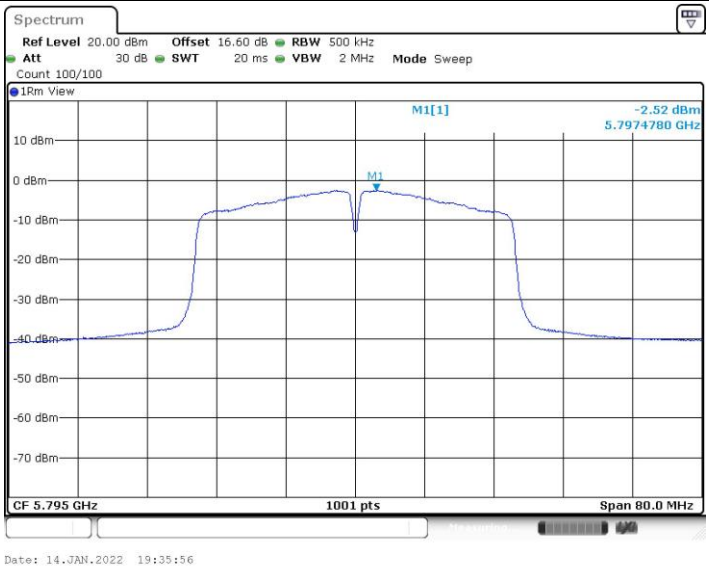
11N40SISO_Ant1_5550


11N40SISO_Ant1_5670

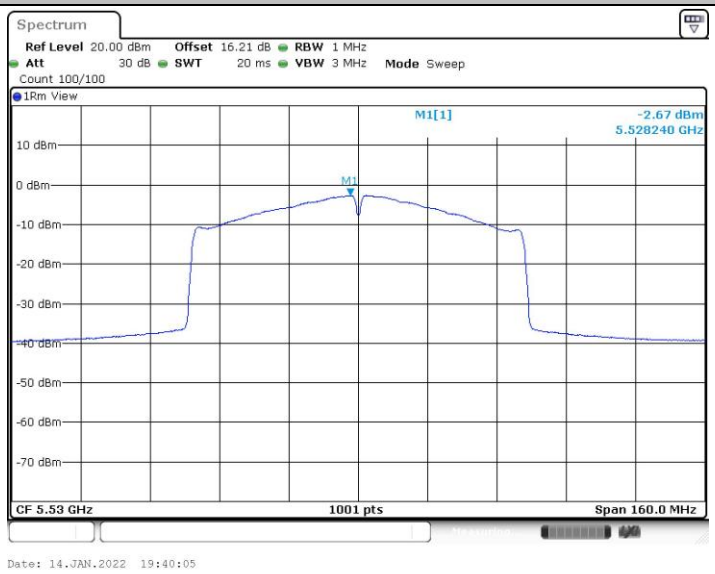
11N40SISO_Ant1_5710_UNII-2C


11N40SISO_Ant1_5710_UNII-3


11N40SISO_Ant1_5755


11N40SISO_Ant1_5795

11AC80SISO_Ant1_5210


11AC80SISO_Ant1_5290

11AC80SISO_Ant1_5530


11AC80SISO_Ant1_5610

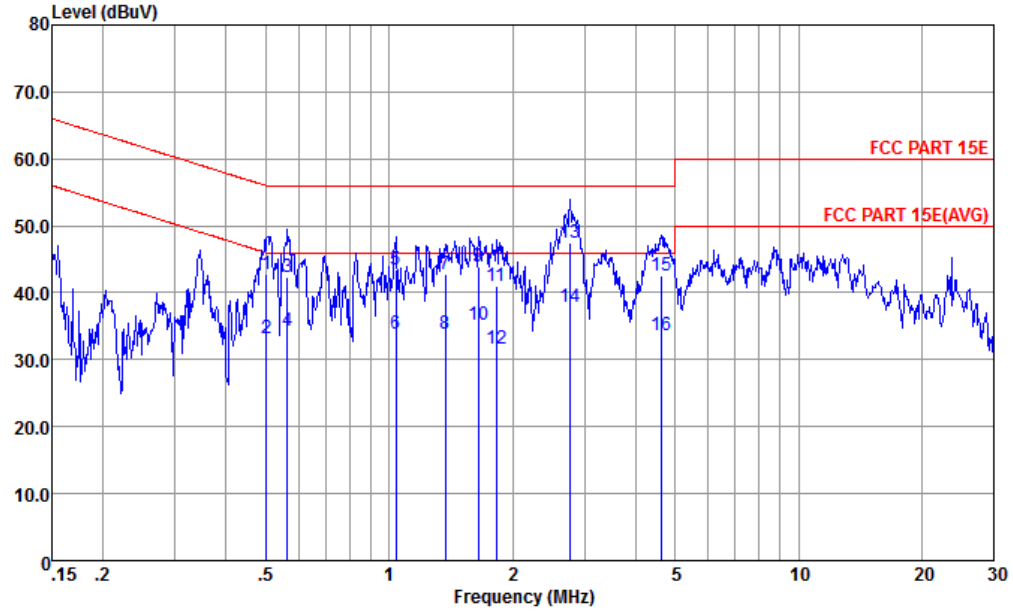
11AC80SISO_Ant1_5690_UNII-2C


11AC80SISO_Ant1_5690_UNII-3

11AC80SISO_Ant1_5775


Appendix B. AC Conducted Emission Test Results

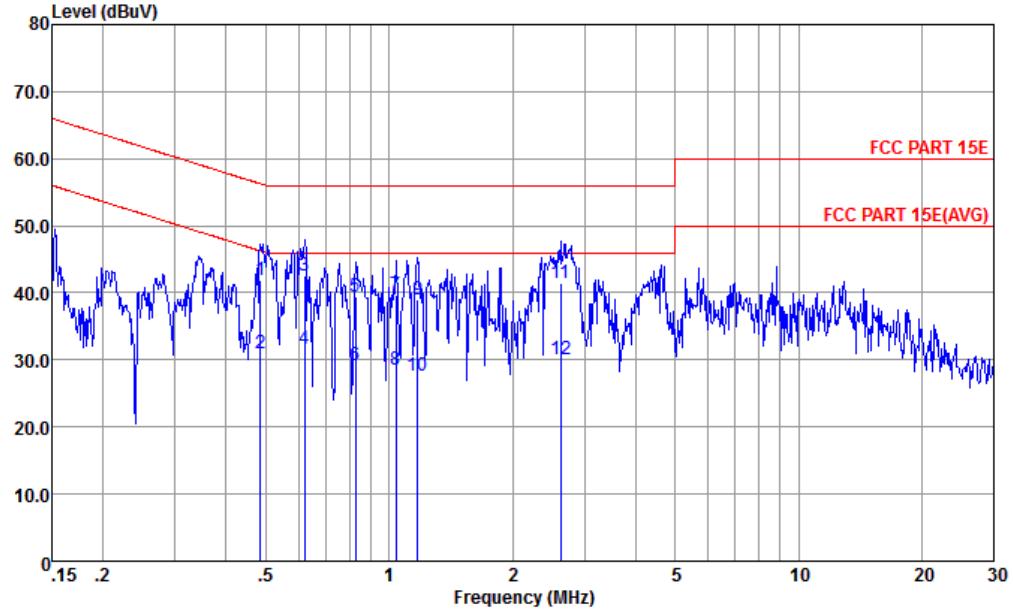
Test Engineer :	Amos Zhang	**Temperature :**	25.3~26.2℃
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



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

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.502	42.84	-13.16	56.00	32.50	0.10	10.24	QP
2		0.502	33.24	-12.76	46.00	22.90	0.10	10.24	Average
3		0.564	42.24	-13.76	56.00	31.90	0.10	10.24	QP
4		0.564	34.24	-11.76	46.00	23.90	0.10	10.24	Average
5		1.037	43.56	-12.44	56.00	33.20	0.13	10.23	QP
6		1.037	33.86	-12.14	46.00	23.50	0.13	10.23	Average
7		1.374	42.87	-13.13	56.00	32.51	0.13	10.23	QP
8		1.374	33.87	-12.13	46.00	23.51	0.13	10.23	Average
9		1.654	43.87	-12.13	56.00	33.50	0.14	10.23	QP
10		1.654	35.17	-10.83	46.00	24.80	0.14	10.23	Average
11		1.829	40.97	-15.03	56.00	30.60	0.14	10.23	QP
12		1.829	31.57	-14.43	46.00	21.20	0.14	10.23	Average
13		2.765	47.49	-8.51	56.00	37.10	0.15	10.24	QP
14	*	2.765	37.99	-8.01	46.00	27.60	0.15	10.24	Average
15		4.622	42.54	-13.46	56.00	32.10	0.18	10.26	QP
16		4.622	33.64	-12.36	46.00	23.20	0.18	10.26	Average

Test Engineer :	Amos Zhang	Temperature :	25.3~26.2℃
		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-060105-N NEUTRAL

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.484	41.95	-14.32	56.27	31.60	0.11	10.24	QP
2	0.484	30.95	-15.32	46.27	20.60	0.11	10.24	Average
3 *	0.621	42.65	-13.35	56.00	32.30	0.11	10.24	QP
4	0.621	31.65	-14.35	46.00	21.30	0.11	10.24	Average
5	0.826	39.55	-16.45	56.00	29.20	0.11	10.24	QP
6	0.826	29.15	-16.85	46.00	18.80	0.11	10.24	Average
7	1.037	39.55	-16.45	56.00	29.20	0.12	10.23	QP
8	1.037	28.55	-17.45	46.00	18.20	0.12	10.23	Average
9	1.172	38.96	-17.04	56.00	28.61	0.12	10.23	QP
10	1.172	27.66	-18.34	46.00	17.31	0.12	10.23	Average
11	2.622	41.48	-14.52	56.00	31.09	0.15	10.24	QP
12	2.622	29.98	-16.02	46.00	19.59	0.15	10.24	Average

Note:

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

Appendix C. Radiated Spurious Emission

Band 1 - 5150~5250MHz

WIFI 802.11n HT40 (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.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		5147.52	58.36	-15.64	74	44.49	35.03	10.65	31.81	174	76	P	H
		5149.98	49.71	-4.29	54	35.84	35.03	10.65	31.81	174	76	A	H
		5188	100.7	------	------	86.77	35.06	10.69	31.82	174	76	P	H
		5188	93.28	------	------	79.35	35.06	10.69	31.82	174	76	A	H
		5367.24	54.33	-19.67	74	40.23	35.24	10.79	31.93	174	76	P	H
		5374.08	45.4	-8.6	54	31.32	35.24	10.79	31.95	174	76	A	H
		5147.04	60.64	-13.36	74	46.77	35.03	10.65	31.81	272	360	P	V
		5149.28	50.99	-3.01	54	37.12	35.03	10.65	31.81	272	360	A	V
		5194	102.45	------	------	88.5	35.06	10.71	31.82	272	360	P	V
		5194	94.97	------	------	81.02	35.06	10.71	31.82	272	360	A	V
		5386.14	54.64	-19.36	74	40.53	35.26	10.8	31.95	272	360	P	V
		5356.8	45.38	-8.62	54	31.31	35.22	10.78	31.93	272	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 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 CH 38 5190MHz		10380	45.86	-22.44	68.3	52.81	38.33	15.39	60.67	300	0	P	H
		10380	46.28	-22.02	68.3	53.23	38.33	15.39	60.67	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 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		5351.5	61.37	-12.63	74	47.3	35.22	10.78	31.93	127	67	P	H
		5350	50.15	-3.85	54	36.08	35.22	10.78	31.93	127	67	A	H
		5320	108.3	------	------	94.24	35.19	10.77	31.9	127	67	P	H
		5320	100.94	------	------	86.88	35.19	10.77	31.9	127	67	A	H
		5352.6	61.25	-12.75	74	47.18	35.22	10.78	31.93	276	355	P	V
		5350.1	49.92	-4.08	54	35.85	35.22	10.78	31.93	276	355	A	V
		5314	109.29	------	------	95.23	35.19	10.77	31.9	276	355	P	V
		5314	101.42	------	------	87.36	35.19	10.77	31.9	276	355	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 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		10640	45.85	-28.15	74	52.49	38.41	15.57	60.62	300	0	P	H
HT20 CH 64 5320MHz		10640	45.99	-28.01	74	52.63	38.41	15.57	60.62	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 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 140 5700MHz		5725.56	62.17	-6.13	68.3	47.34	35.62	11.25	32.04	100	65	P	H
		5698	108.14	------	------	93.4	35.58	11.22	32.06	100	65	P	H
		5698	100.97	------	------	86.23	35.58	11.22	32.06	100	65	A	H
		5727.4	61.9	-6.4	68.3	47.07	35.62	11.25	32.04	266	353	P	V
		5704	106.94	------	------	92.19	35.58	11.23	32.06	266	353	P	V
		5704	99.78	------	------	85.03	35.58	11.23	32.06	266	353	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 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		11400	46.97	-27.03	74	52.53	38.67	16.22	60.45	300	0	P	H
HT20 CH 140 5700MHz		11400	47.54	-26.46	74	53.1	38.67	16.22	60.45	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11n HT40 (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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		30.97	21.64	-18.36	40	28.26	24.04	0.59	31.25	-	-	P	H
		155.13	17.93	-25.57	43.5	30.99	16.25	2.01	31.32	-	-	P	H
		186.17	21.36	-22.14	43.5	35.36	15.12	2.21	31.33	-	-	P	H
		289.96	25.2	-20.8	46	34.68	19.35	2.76	31.59	-	-	P	H
		762.35	28.39	-17.61	46	29.31	25.73	4.49	31.14	-	-	P	H
		899.12	28.73	-17.27	46	28.3	26.69	4.89	31.15	-	-	P	H
		30	27.7	-12.3	40	33.75	24.6	0.58	31.23	-	-	P	V
		53.28	20.82	-19.18	40	37.62	13.62	0.93	31.35	-	-	P	V
		281.23	20.49	-25.51	46	29.93	19.39	2.71	31.54	-	-	P	V
		485.9	24	-22	46	28.55	23.17	3.58	31.3	-	-	P	V
		765.26	29.14	-16.86	46	30.06	25.73	4.5	31.15	-	-	P	V
		953.44	30.53	-15.47	46	28.89	26.94	5.03	30.33	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Band 4 - 5725~5850MHz

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 165 5825MHz		5850	59.6	-62.7	122.3	44.37	35.8	11.36	31.93	263	360	P	H
		5858.8	58.08	-51.75	109.83	42.85	35.8	11.38	31.95	263	360	P	H
		5901.6	56.13	-29.45	85.58	40.91	35.78	11.41	31.97	263	360	P	H
		5965.2	56.96	-11.34	68.3	41.76	35.76	11.47	32.03	263	360	P	H
		5824	109.61	------	------	94.46	35.75	11.35	31.95	263	360	P	H
		5824	101.62	------	------	86.47	35.75	11.35	31.95	263	360	A	H
		5850	56.65	-65.65	122.3	41.42	35.8	11.36	31.93	253	360	P	V
		5858.4	56.4	-53.55	109.95	41.17	35.8	11.38	31.95	253	360	P	V
		5914	56.41	-20	76.41	41.19	35.78	11.43	31.99	253	360	P	V
		5987.2	56.88	-11.42	68.3	41.7	35.75	11.48	32.05	253	360	P	V
		5824	105.8	------	------	90.65	35.75	11.35	31.95	253	360	P	V
		5824	98.01	------	------	82.86	35.75	11.35	31.95	253	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 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		11653	47.02	-26.98	74	52.14	38.73	16.47	60.32	300	0	P	H
CH 165 5825MHz		11653	48.63	-25.37	74	53.75	38.73	16.47	60.32	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11a (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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		30	22.75	-17.25	40	28.8	24.6	0.58	31.23	-	-	P	H
		159.98	18.15	-25.35	43.5	31.44	16	2.03	31.32	-	-	P	H
		185.2	22.99	-20.51	43.5	36.97	15.15	2.2	31.33	-	-	P	H
		288.99	25.75	-20.25	46	35.23	19.35	2.75	31.58	-	-	P	H
		310.33	26.6	-19.4	46	35.88	19.51	2.85	31.64	-	-	P	H
		864.2	28.79	-17.21	46	28.78	26.49	4.79	31.27	-	-	P	H
		30.97	25.59	-14.41	40	32.21	24.04	0.59	31.25	-	-	P	V
		186.17	16.79	-26.71	43.5	30.79	15.12	2.21	31.33	-	-	P	V
		284.14	20	-26	46	29.44	19.38	2.73	31.55	-	-	P	V
		463.59	21.99	-24.01	46	26.95	22.82	3.5	31.28	-	-	P	V
		564.47	25.28	-20.72	46	28.05	24.91	3.86	31.54	-	-	P	V
		757.5	28.41	-17.59	46	29.34	25.72	4.48	31.13	-	-	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	**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	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 CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		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)

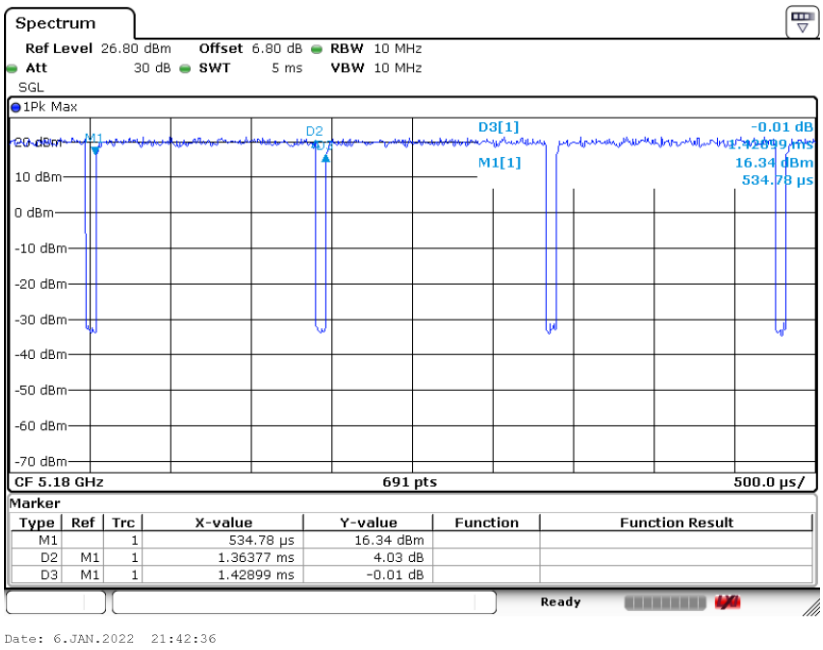
= -10.46(dB)

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

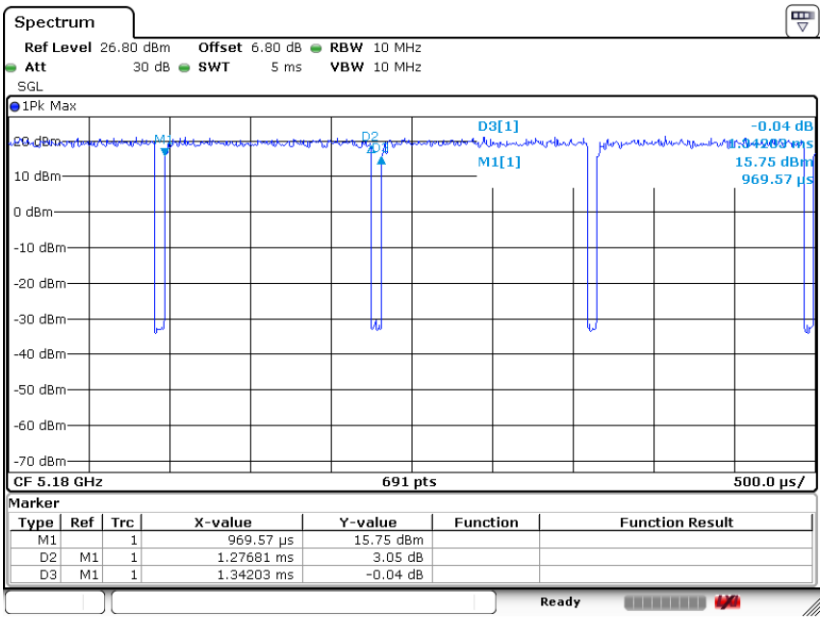
Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	95.44	1.364	0.733	0.75KHz
802.11n HT20	95.14	1.277	0.783	0.82KHz
802.11n HT40	90.70	0.636	1.572	1.6KHz
802.11ac VHT80	97.69	3.371	0.297	0.3KHz

802.11a



802.11n HT20



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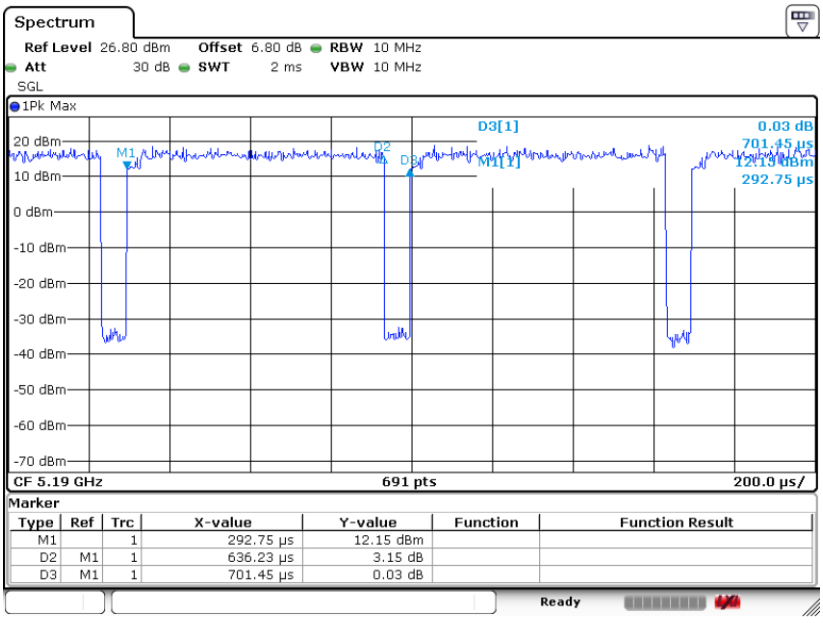
802.11n HT40



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