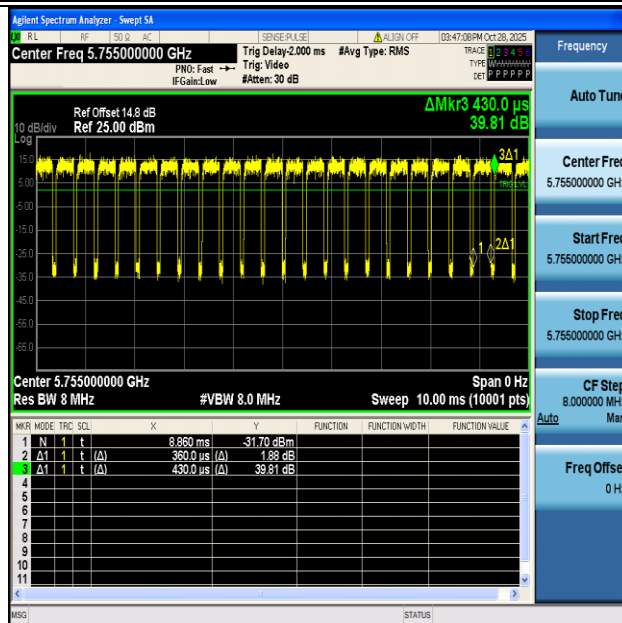
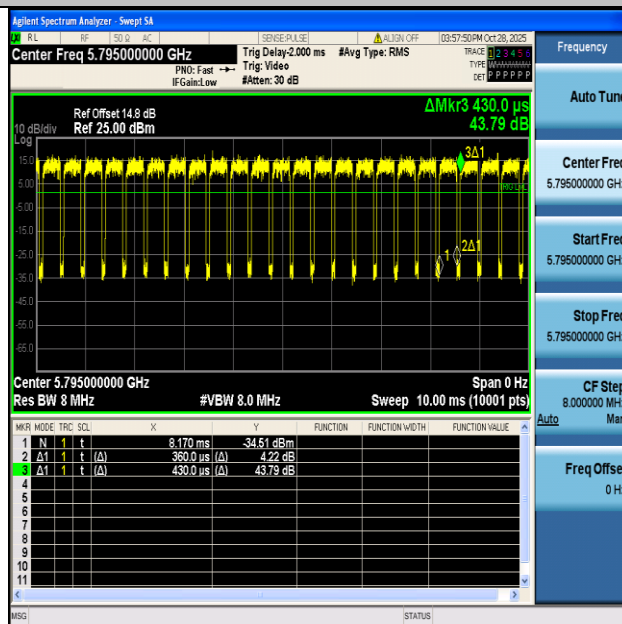
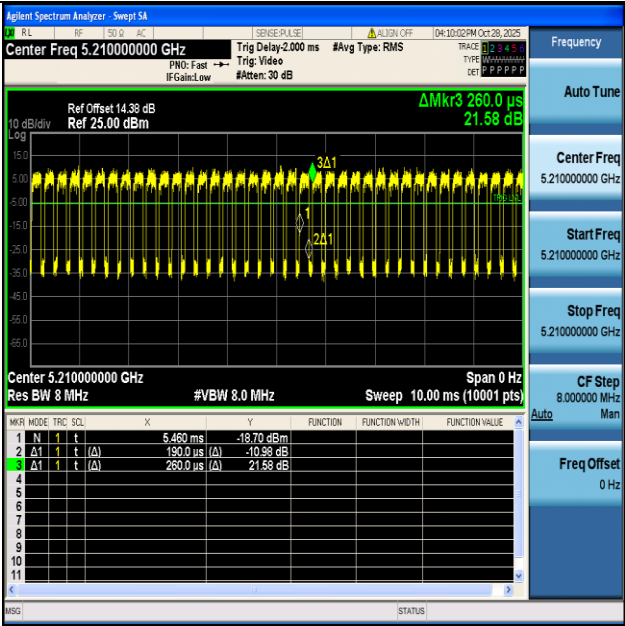




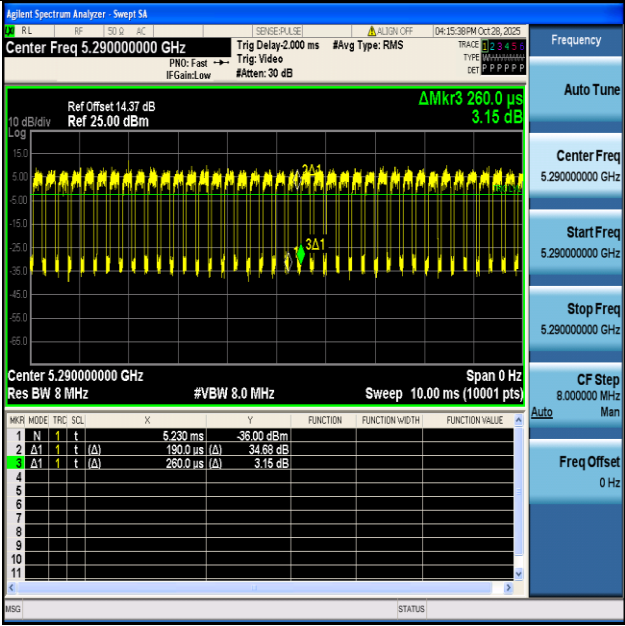
NTNV-11AC40SISO-Ant1-5795



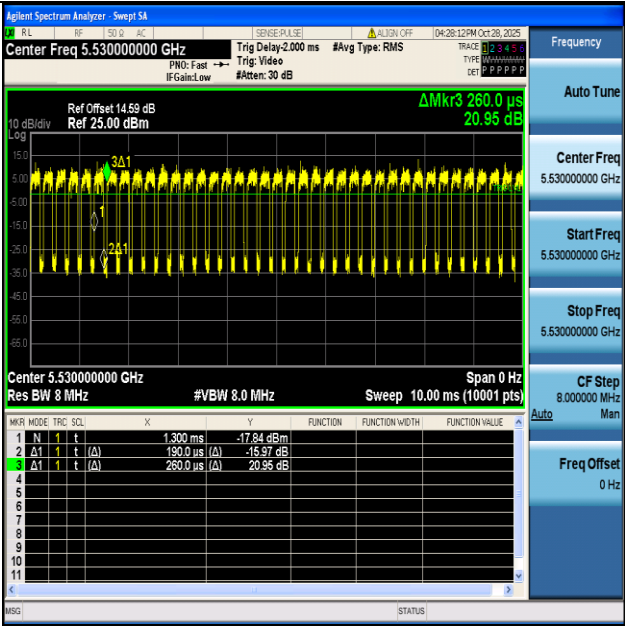
NTNV-11AC80SISO-Ant1-5210



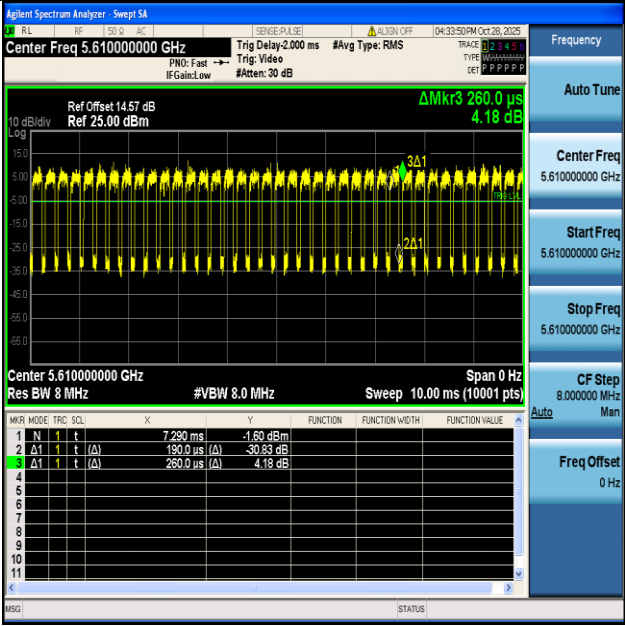
NTNV-11AC80SISO-Ant1-5290



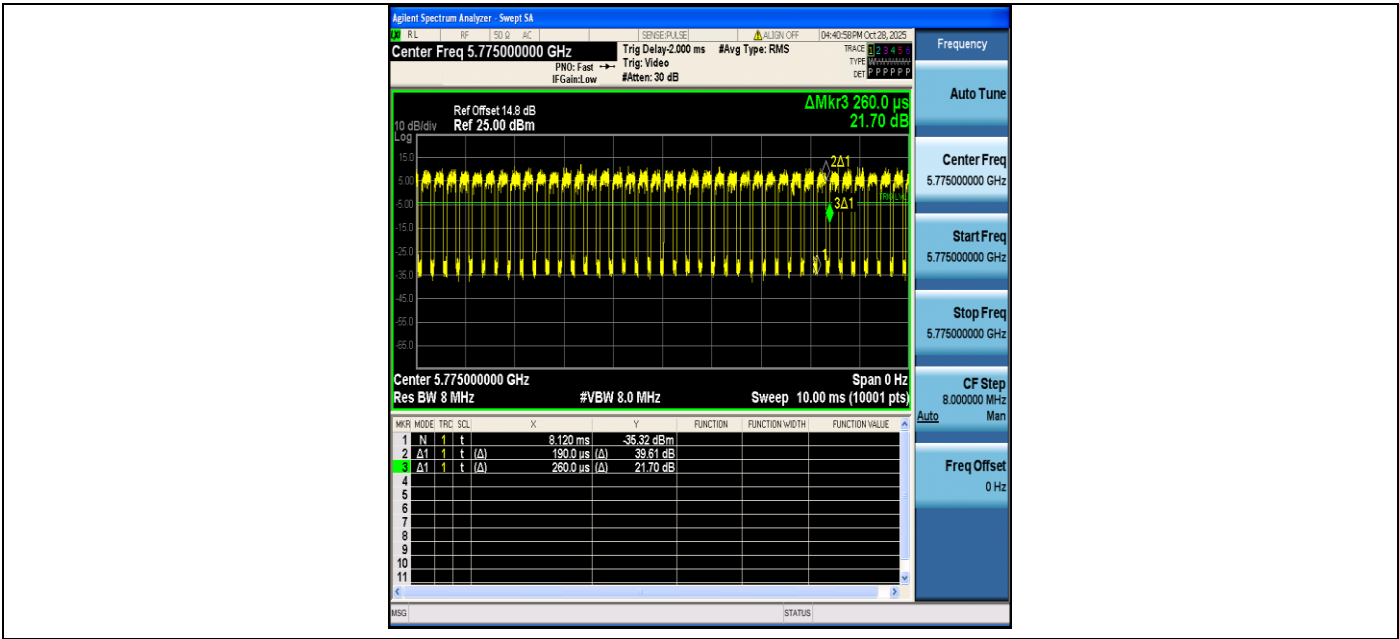
NTNV-11AC80SISO-Ant1-5530



NTNV-11AC80SISO-Ant1-5610



NTNV-11AC80SISO-Ant1-5775



Appendix E: Test result of Power Output

Mode	Channel	Frequency (MHz)	Measure result (dBm)			Limit (dBm)	Verdict
			Ant 1	Ant 2	Ant 1+2		
11A	36	5180	15.24	14.98	N/A	≤24.00	Pass
	40	5200	15.53	14.92	N/A	≤24.00	Pass
	48	5240	15.47	14.93	N/A	≤24.00	Pass
	52	5260	15.35	14.76	N/A	≤24.00	Pass
	56	5280	15.20	14.86	N/A	≤24.00	Pass
	64	5320	15.22	14.83	N/A	≤24.00	Pass
	100	5500	15.66	15.13	N/A	≤24.00	Pass
	116	5580	15.88	15.34	N/A	≤24.00	Pass
	140	5700	15.78	14.52	N/A	≤24.00	Pass
	149	5745	15.71	14.35	N/A	≤30.00	Pass
	157	5785	15.82	14.63	N/A	≤30.00	Pass
	165	5825	15.77	14.55	N/A	≤30.00	Pass
11N20	36	5180	13.35	12.97	16.17	≤24.00	Pass
	40	5200	13.33	12.90	16.13	≤24.00	Pass
	48	5240	13.30	12.87	16.10	≤24.00	Pass
	52	5260	13.25	12.81	16.05	≤24.00	Pass
	56	5280	13.23	12.79	16.03	≤24.00	Pass
	64	5320	13.25	12.82	16.05	≤24.00	Pass
	100	5500	12.61	13.27	15.96	≤24.00	Pass
	116	5580	12.83	12.48	15.67	≤24.00	Pass
	140	5700	12.90	12.47	15.70	≤24.00	Pass
	149	5745	12.72	12.44	15.59	≤30.00	Pass
	157	5785	12.85	12.68	15.78	≤30.00	Pass
	165	5825	12.80	12.52	15.67	≤30.00	Pass
11N40	38	5190	12.37	12.19	15.29	≤24.00	Pass
	46	5230	12.38	12.11	15.26	≤24.00	Pass
	54	5270	12.39	12.14	15.28	≤24.00	Pass
	62	5310	12.45	12.21	15.34	≤24.00	Pass
	102	5510	12.06	12.00	15.04	≤24.00	Pass
	110	5550	12.08	12.25	15.18	≤24.00	Pass
	134	5670	12.39	12.18	15.30	≤24.00	Pass
	151	5755	12.06	11.98	15.03	≤30.00	Pass
	159	5795	11.76	11.58	14.68	≤30.00	Pass
11AC20	36	5180	13.80	13.33	16.58	≤24.00	Pass
	40	5200	13.78	13.26	16.54	≤24.00	Pass
	48	5240	13.75	13.23	16.51	≤24.00	Pass
	52	5260	13.70	13.17	16.45	≤24.00	Pass
	56	5280	13.68	13.15	16.43	≤24.00	Pass
	64	5320	13.70	13.18	16.46	≤24.00	Pass
	100	5500	13.06	13.63	16.36	≤24.00	Pass
	116	5580	13.28	12.84	16.08	≤24.00	Pass
	140	5700	13.35	12.83	16.11	≤24.00	Pass
	149	5745	13.17	12.80	16.00	≤30.00	Pass
	157	5785	13.30	13.04	16.18	≤30.00	Pass
	165	5825	13.25	12.88	16.08	≤30.00	Pass
11AC40	38	5190	13.19	12.92	16.07	≤24.00	Pass
	46	5230	13.20	12.84	16.03	≤24.00	Pass

	54	5270	13.21	12.87	16.05	≤24.00	Pass
	62	5310	13.27	12.94	16.12	≤24.00	Pass
	102	5510	12.88	12.73	15.82	≤24.00	Pass
	110	5550	12.90	12.98	15.95	≤24.00	Pass
	134	5670	13.21	12.91	16.07	≤24.00	Pass
	151	5755	12.88	12.71	15.81	≤30.00	Pass
	159	5795	12.58	12.31	15.46	≤30.00	Pass
11AC80	42	5210	11.42	11.25	14.35	≤24.00	Pass
	58	5290	11.39	11.18	14.30	≤24.00	Pass
	106	5530	11.61	11.52	14.58	≤24.00	Pass
	122	5610	11.43	11.52	14.49	≤24.00	Pass
	155	5775	11.38	11.41	14.41	≤30.00	Pass

Note 1: Limit = limit – (Directional gain:5.05 -6dBi)

Note 2: Measure result = Conducted Power + Duty Cycle Factor

Appendix F: Test result of Power Spectral Density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [5150~5725 dBm/MHz 5725~5850 dBm/500kHz]	Limit [5150~5725 dBm/MHz 5725~5850 dBm/500kHz]	Verdict
11A	Ant1	5180	3.85	≤11.00	PASS
11A	Ant1	5200	3.72	≤11.00	PASS
11A	Ant1	5240	2.87	≤11.00	PASS
11A	Ant1	5260	3.85	≤11.00	PASS
11A	Ant1	5280	3.35	≤11.00	PASS
11A	Ant1	5320	3.93	≤11.00	PASS
11A	Ant1	5500	2.42	≤11.00	PASS
11A	Ant1	5580	3.09	≤11.00	PASS
11A	Ant1	5700	2.02	≤11.00	PASS
11A	Ant1	5745	-1.22	≤30.00	PASS
11A	Ant1	5785	-0.42	≤30.00	PASS
11A	Ant1	5825	-0.22	≤30.00	PASS
11N20	Ant1+2	5180	1.59	≤11.00	PASS
11N20	Ant1+2	5200	1.37	≤11.00	PASS
11N20	Ant1+2	5240	3.08	≤11.00	PASS
11N20	Ant1+2	5260	2.98	≤11.00	PASS
11N20	Ant1+2	5280	2.95	≤11.00	PASS
11N20	Ant1+2	5320	2.26	≤11.00	PASS
11N20	Ant1+2	5500	3.74	≤11.00	PASS
11N20	Ant1+2	5580	3.51	≤11.00	PASS
11N20	Ant1+2	5700	2.24	≤11.00	PASS
11N20	Ant1+2	5745	-1.57	≤30.00	PASS
11N20	Ant1+2	5785	-2.02	≤30.00	PASS
11N20	Ant1+2	5825	-1.20	≤30.00	PASS
11N40	Ant1+2	5190	0.43	≤11.00	PASS
11N40	Ant1+2	5230	1.20	≤11.00	PASS
11N40	Ant1+2	5270	1.55	≤11.00	PASS
11N40	Ant1+2	5310	-0.88	≤11.00	PASS
11N40	Ant1+2	5510	-0.66	≤11.00	PASS
11N40	Ant1+2	5550	-1.28	≤11.00	PASS
11N40	Ant1+2	5670	-1.79	≤11.00	PASS
11N40	Ant1+2	5755	-4.73	≤30.00	PASS
11N40	Ant1+2	5795	-4.78	≤30.00	PASS
11AC20	Ant1+2	5180	0.59	≤11.00	PASS
11AC20	Ant1+2	5200	1.13	≤11.00	PASS
11AC20	Ant1+2	5240	0.71	≤11.00	PASS
11AC20	Ant1+2	5260	2.16	≤11.00	PASS
11AC20	Ant1+2	5280	1.75	≤11.00	PASS
11AC20	Ant1+2	5320	3.30	≤11.00	PASS
11AC20	Ant1+2	5500	4.23	≤11.00	PASS
11AC20	Ant1+2	5580	4.03	≤11.00	PASS
11AC20	Ant1+2	5700	2.70	≤11.00	PASS
11AC20	Ant1+2	5745	-0.34	≤30.00	PASS
11AC20	Ant1+2	5785	-0.71	≤30.00	PASS

11AC20	Ant1+2	5825	0.03	≤30.00	PASS
11AC40	Ant1+2	5190	-0.03	≤11.00	PASS
11AC40	Ant1+2	5230	-1.50	≤11.00	PASS
11AC40	Ant1+2	5270	-0.03	≤11.00	PASS
11AC40	Ant1+2	5310	0.99	≤11.00	PASS
11AC40	Ant1+2	5510	1.74	≤11.00	PASS
11AC40	Ant1+2	5550	1.16	≤11.00	PASS
11AC40	Ant1+2	5670	0.50	≤11.00	PASS
11AC40	Ant1+2	5755	-3.63	≤30.00	PASS
11AC40	Ant1+2	5795	-1.94	≤30.00	PASS
11AC80	Ant1+2	5210	-4.66	≤11.00	PASS
11AC80	Ant1+2	5290	-4.76	≤11.00	PASS
11AC80	Ant1+2	5530	-4.12	≤11.00	PASS
11AC80	Ant1+2	5610	-5.84	≤11.00	PASS
11AC80	Ant1+2	5775	-6.36	≤30.00	PASS
11AX20	Ant1+2	5180	3.85	≤11.00	PASS
11AX20	Ant1+2	5200	3.72	≤11.00	PASS
11AX20	Ant1+2	5240	2.87	≤11.00	PASS
11AX20	Ant1+2	5260	3.85	≤11.00	PASS
11AX20	Ant1+2	5280	3.35	≤11.00	PASS
11AX20	Ant1+2	5320	3.93	≤11.00	PASS
11AX20	Ant1+2	5500	2.42	≤11.00	PASS
11AX20	Ant1+2	5580	3.09	≤11.00	PASS
11AX20	Ant1+2	5700	2.02	≤11.00	PASS
11AX20	Ant1+2	5745	-1.22	≤30.00	PASS
11AX20	Ant1+2	5785	-0.42	≤30.00	PASS
11AX20	Ant1+2	5825	-0.22	≤30.00	PASS
11AX40	Ant1+2	5190	1.59	≤11.00	PASS
11AX40	Ant1+2	5230	1.37	≤11.00	PASS
11AX40	Ant1+2	5270	3.08	≤11.00	PASS
11AX40	Ant1+2	5310	2.98	≤11.00	PASS
11AX40	Ant1+2	5510	2.95	≤11.00	PASS
11AX40	Ant1+2	5550	2.26	≤11.00	PASS
11AX40	Ant1+2	5670	3.74	≤11.00	PASS
11AX40	Ant1+2	5755	3.51	≤30.00	PASS
11AX40	Ant1+2	5795	2.24	≤30.00	PASS
11AX80	Ant1+2	5210	-1.57	≤11.00	PASS
11AX80	Ant1+2	5290	-2.02	≤11.00	PASS
11AX80	Ant1+2	5530	-1.20	≤11.00	PASS
11AX80	Ant1+2	5610	0.43	≤11.00	PASS
11AX80	Ant1+2	5775	1.20	≤30.00	PASS

Note 1: Only the highest power chain date shown in this report.

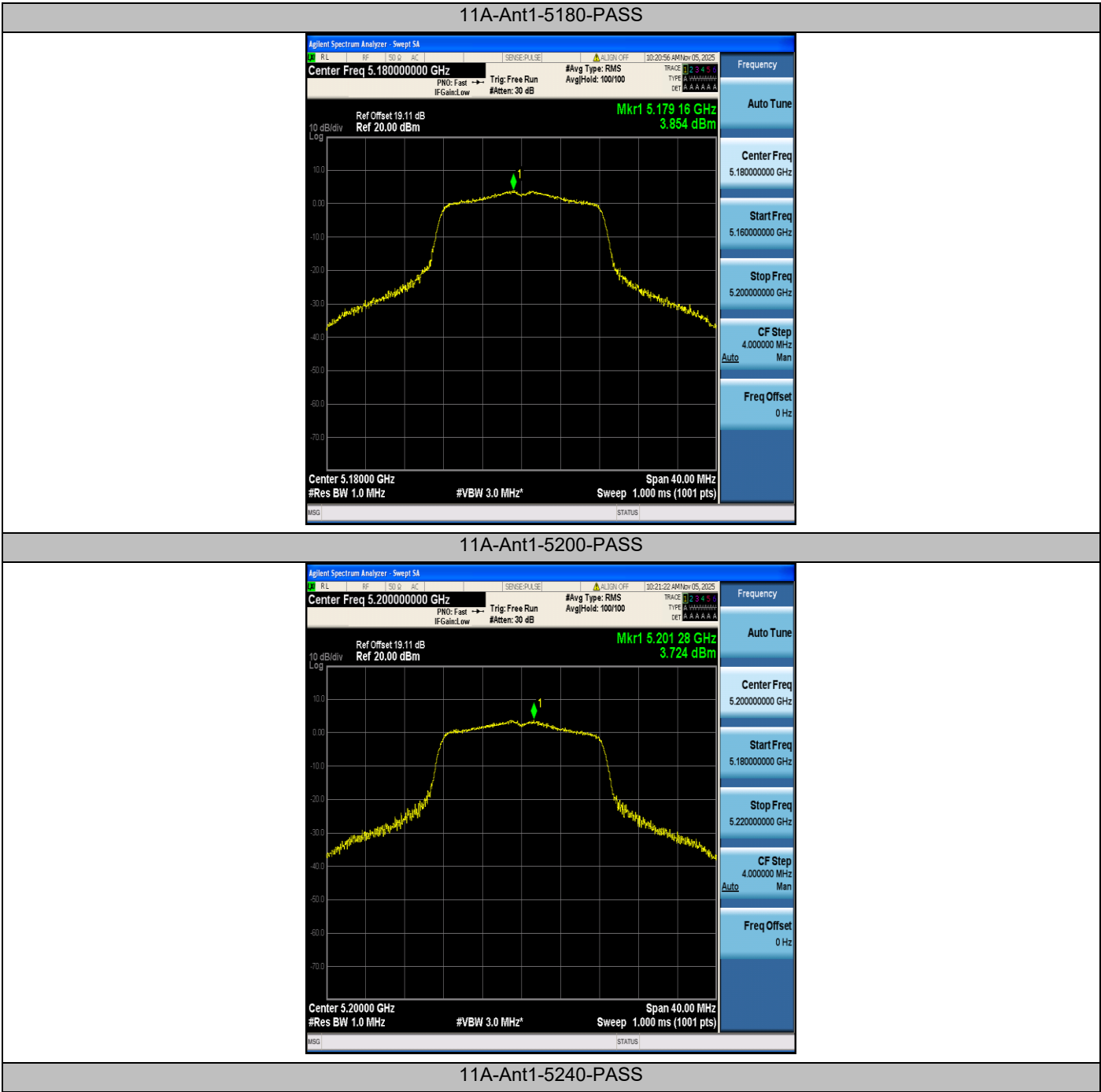
Note 2: The Duty Cycle Factor and RBW Factor is compensated in the graph.

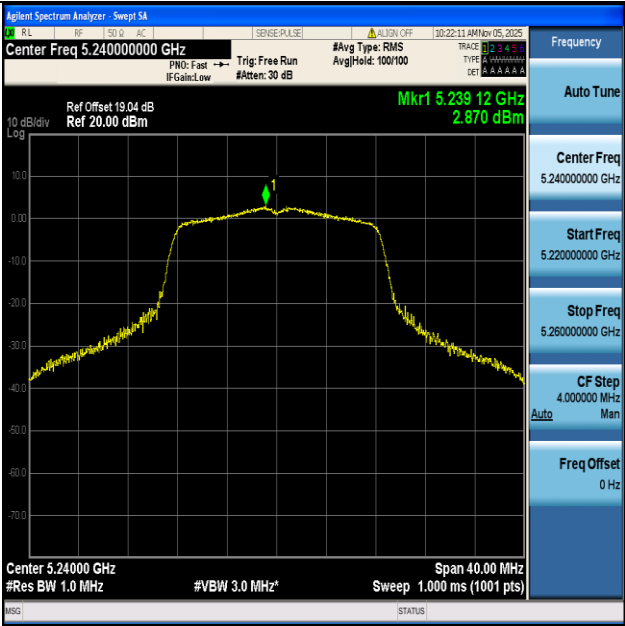
Note 3: The MIMO PSD is calculate form SISO PSD, which is tight than real result: $MIMO\ PSD = SISO\ PSD + 10\log(n) = SISO\ PSD + 3.01$ $n =$ chain number.

Note 4: $MIMO\ Limit = limit - (Directional\ gain: 5.05 - 6dBi)$

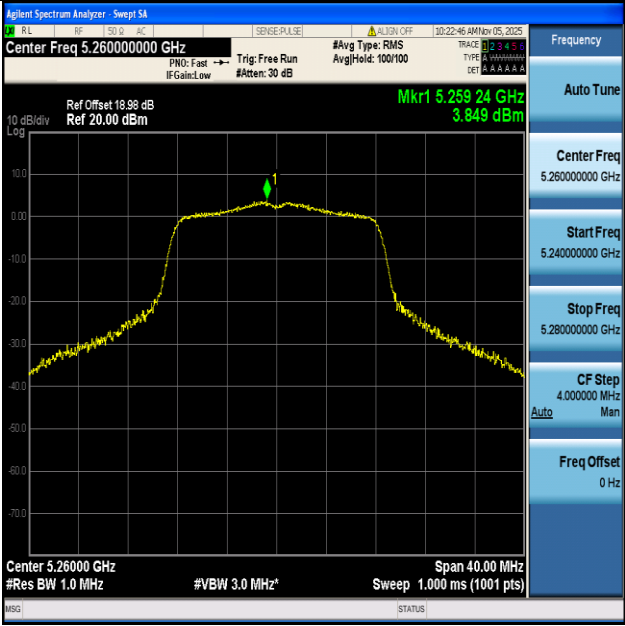
Note 5: $Offset = Cable\ loss + Duty\ Cycle\ Factor + RBW\ Factor$

Test Graphs

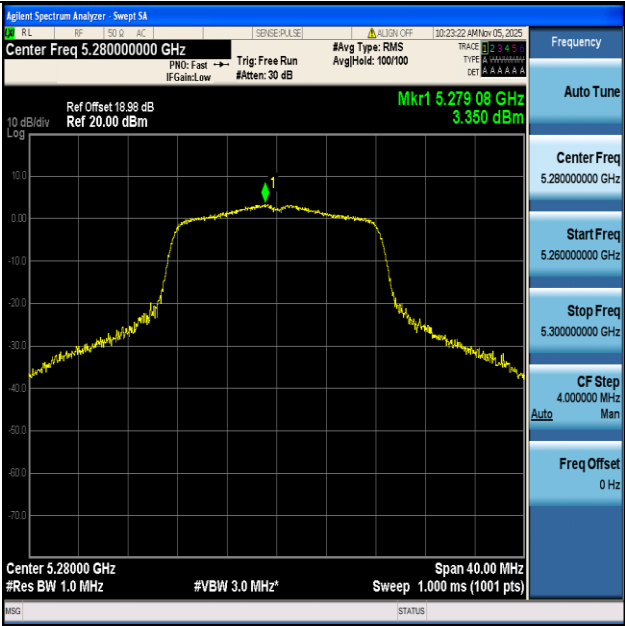




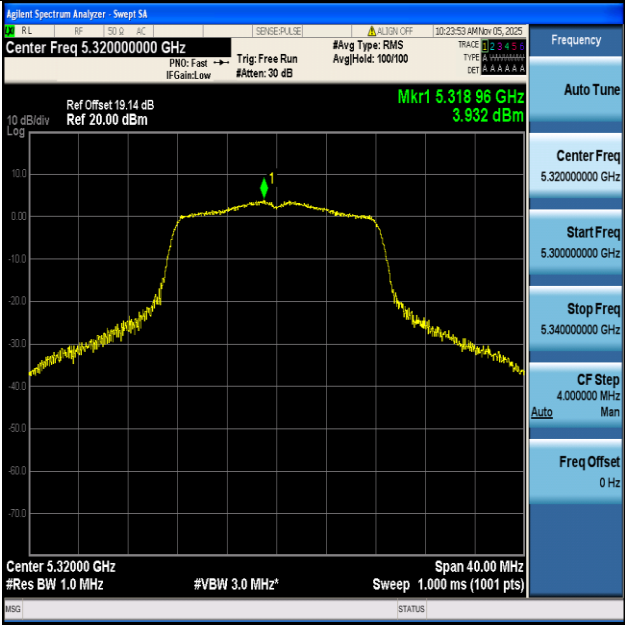
11A-Ant1-5260-PASS



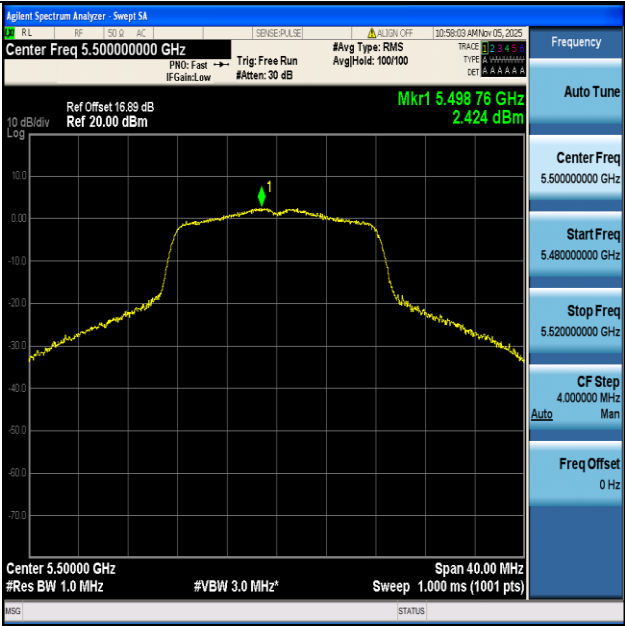
11A-Ant1-5280-PASS



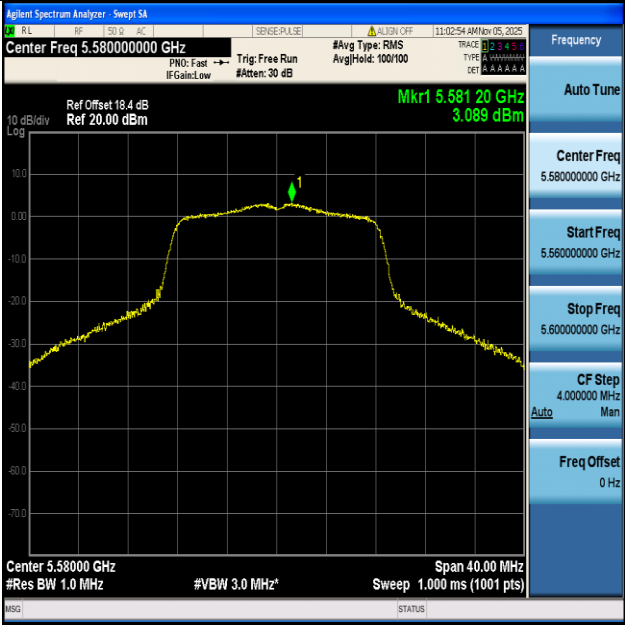
11A-Ant1-5320-PASS



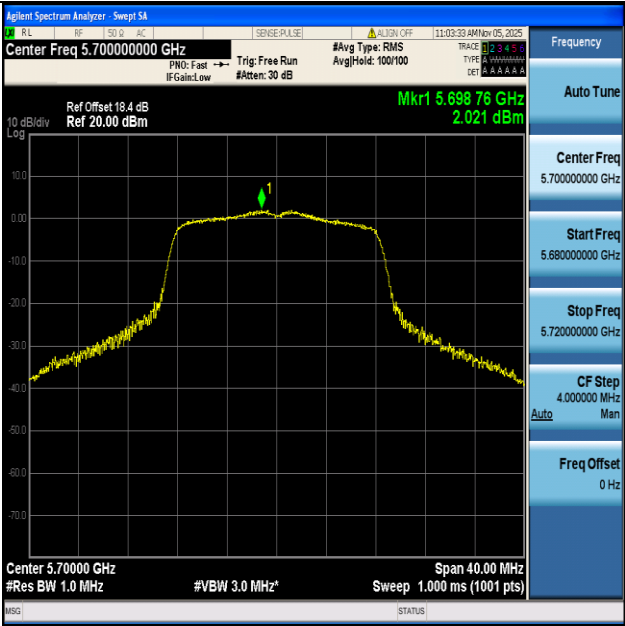
11A-Ant1-5500-PASS



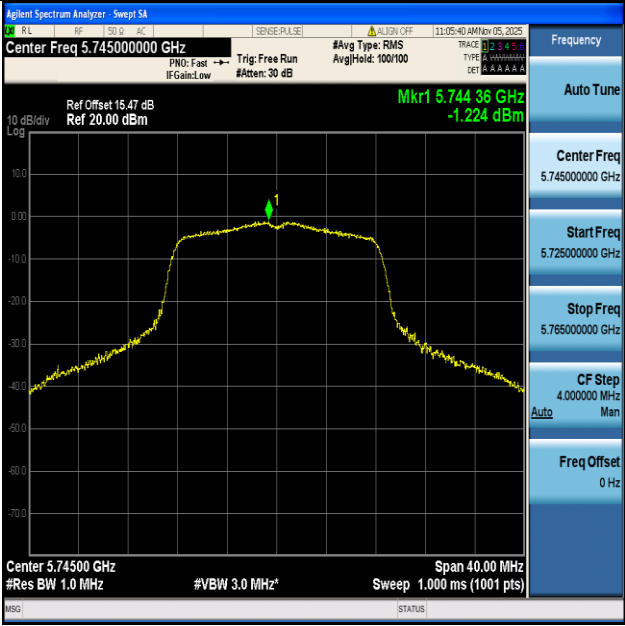
11A-Ant1-5580-PASS



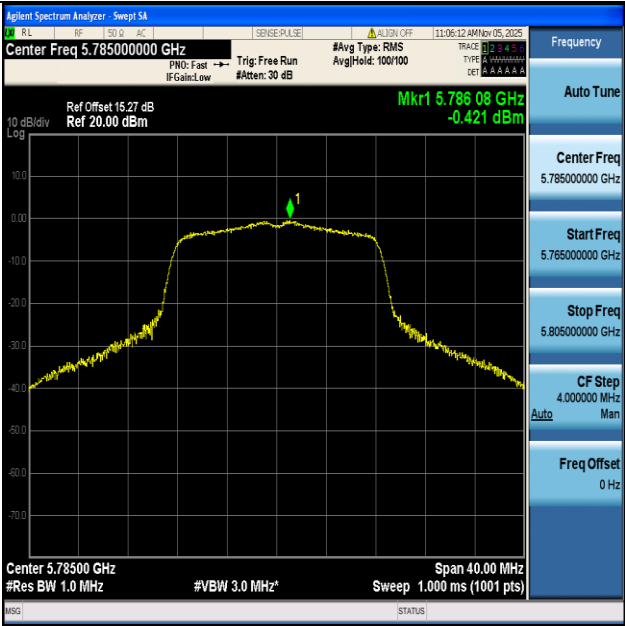
11A-Ant1-5700-PASS



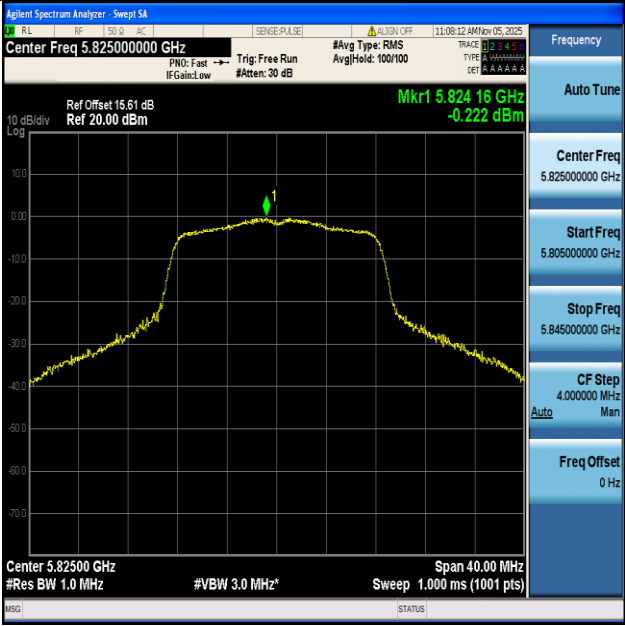
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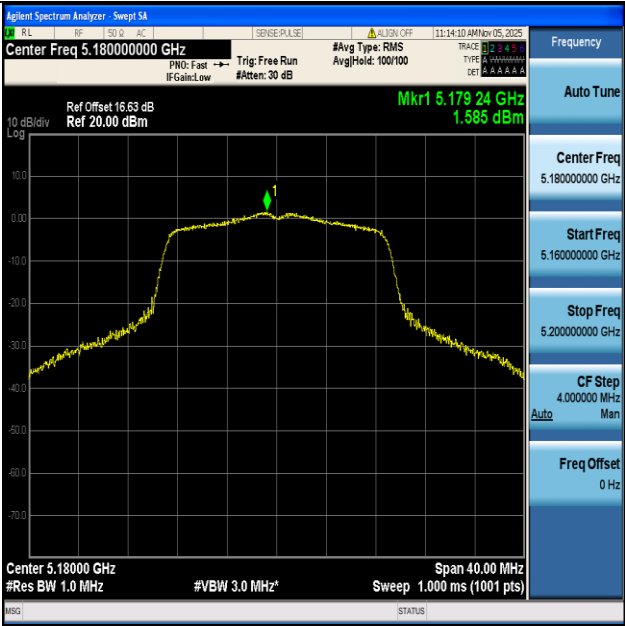
11A-Ant1-5785-PASS



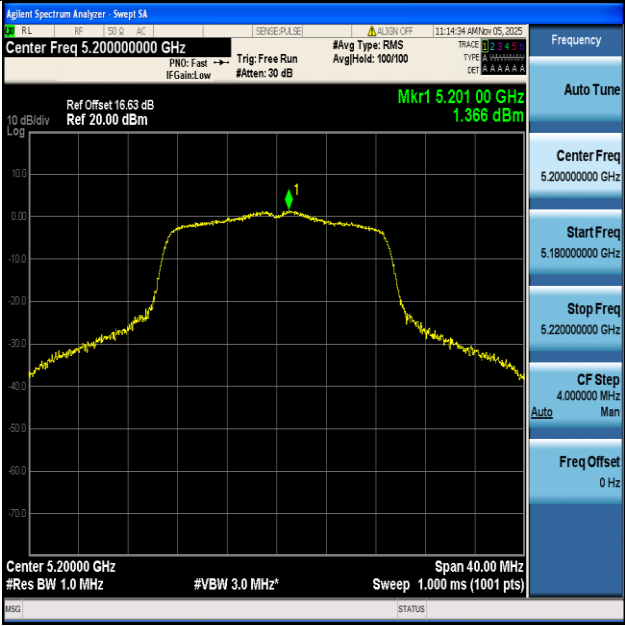
11A-Ant1-5825-PASS



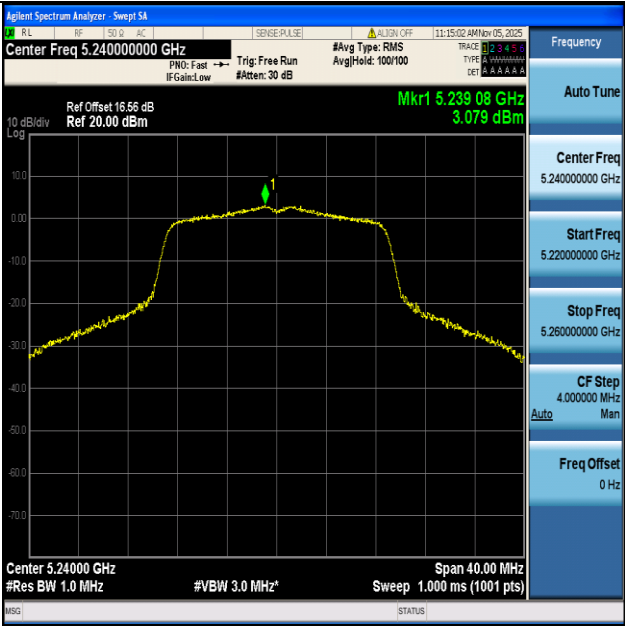
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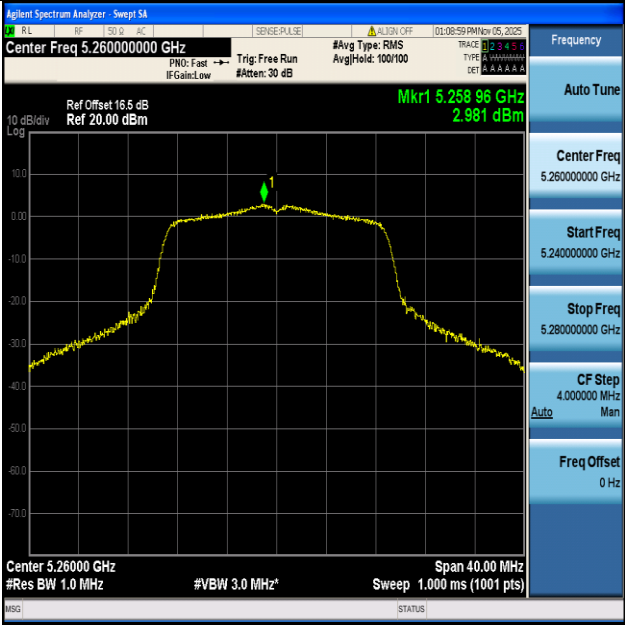
11N20SISO-Ant1-5200-PASS



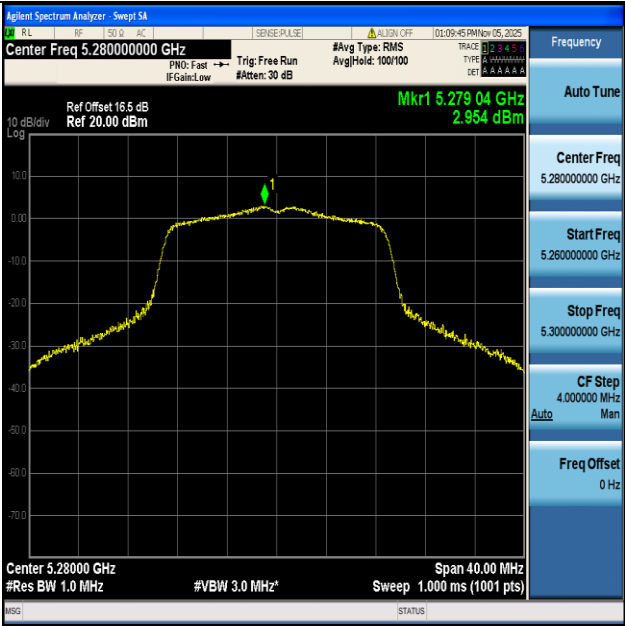
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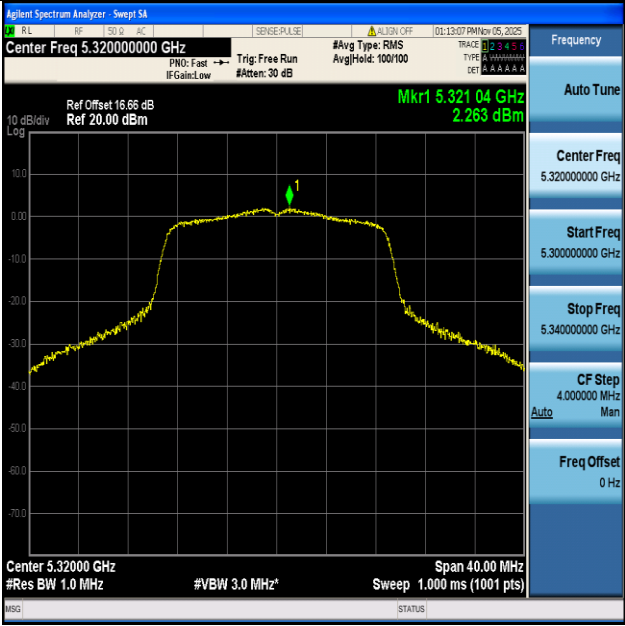
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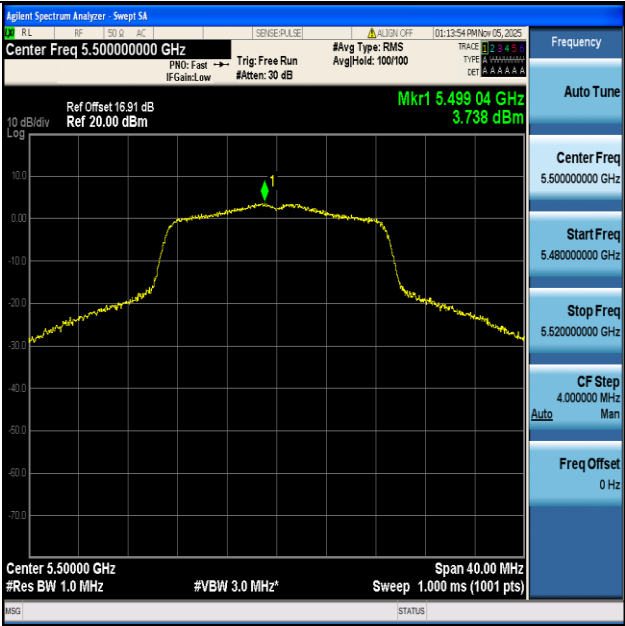
11N20SISO-Ant1-5280-PASS



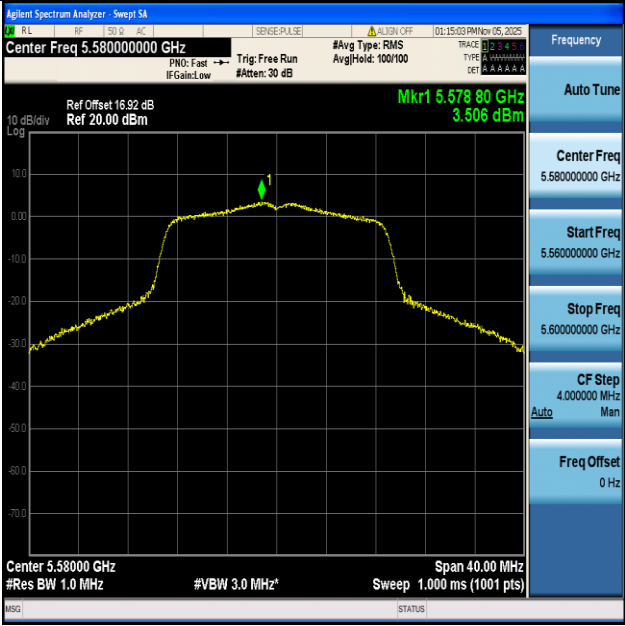
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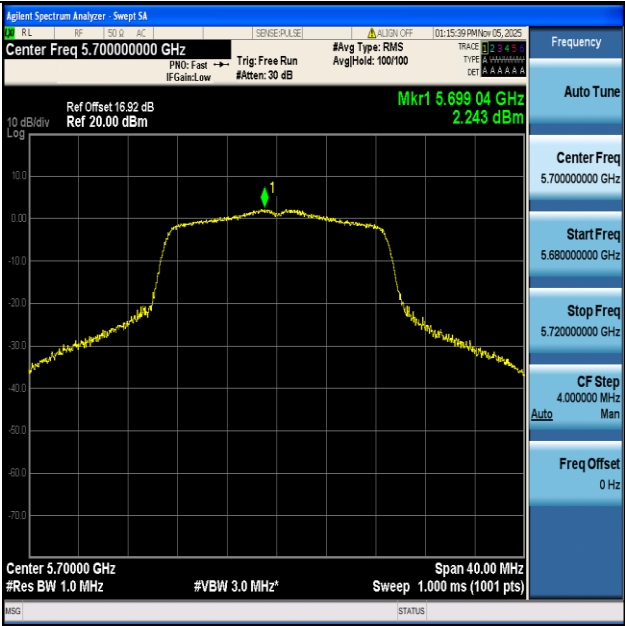
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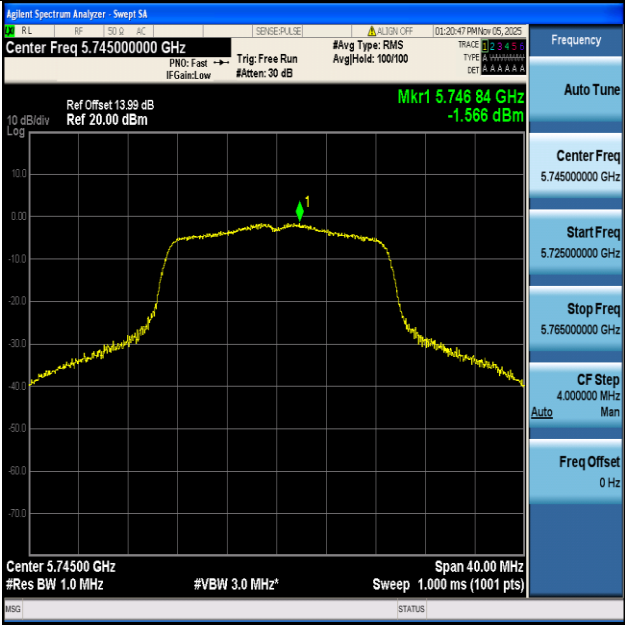
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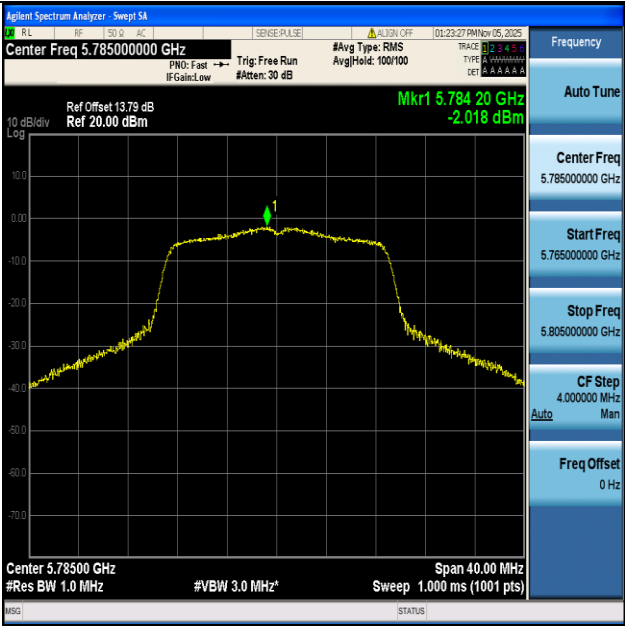
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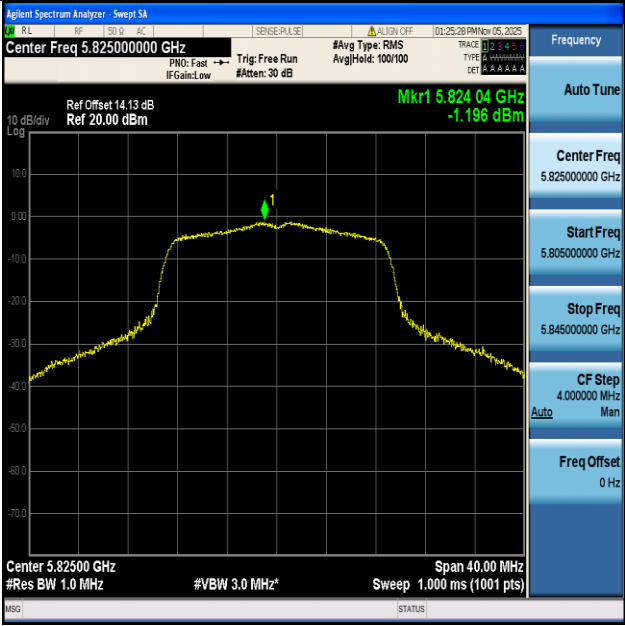
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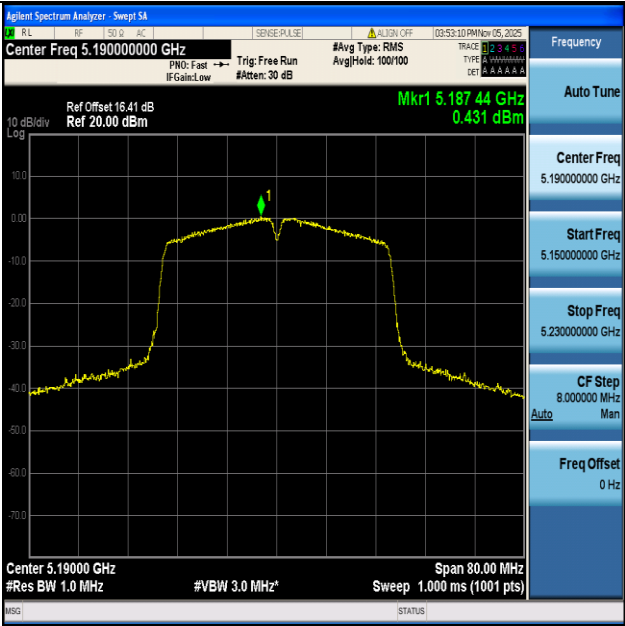
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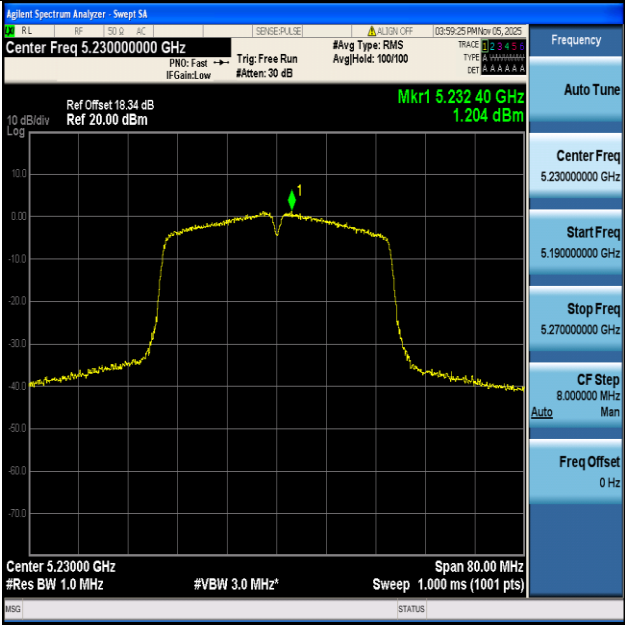
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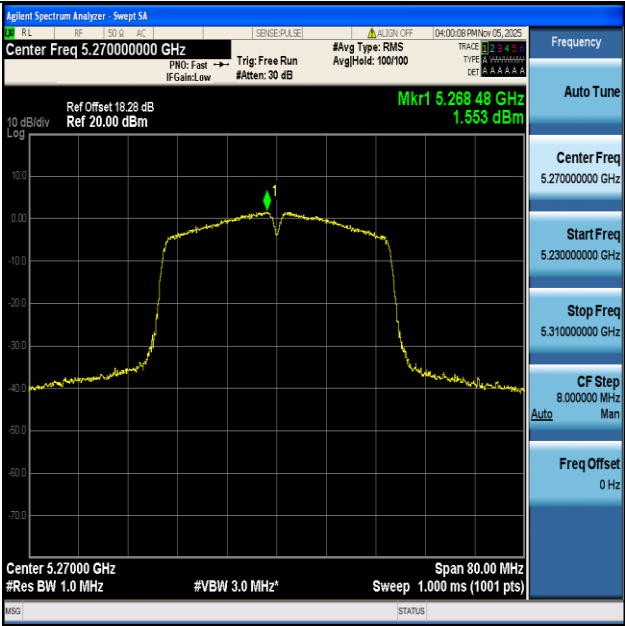
11N40SISO-Ant1-5190-PASS



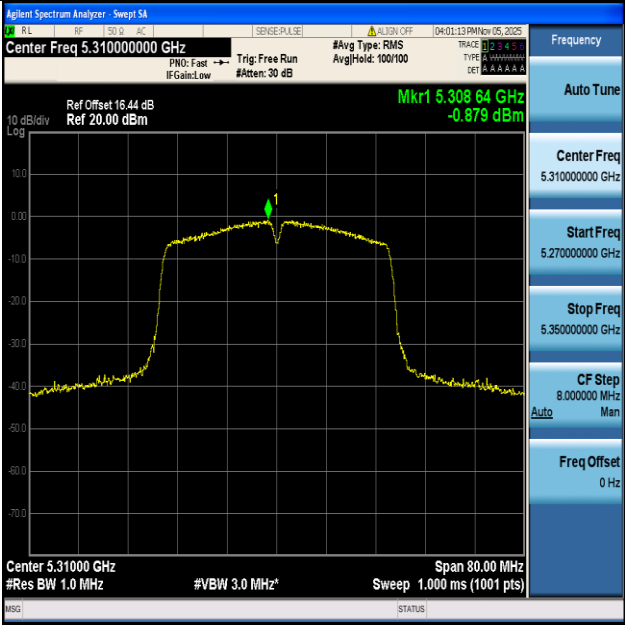
11N40SISO-Ant1-5230-PASS



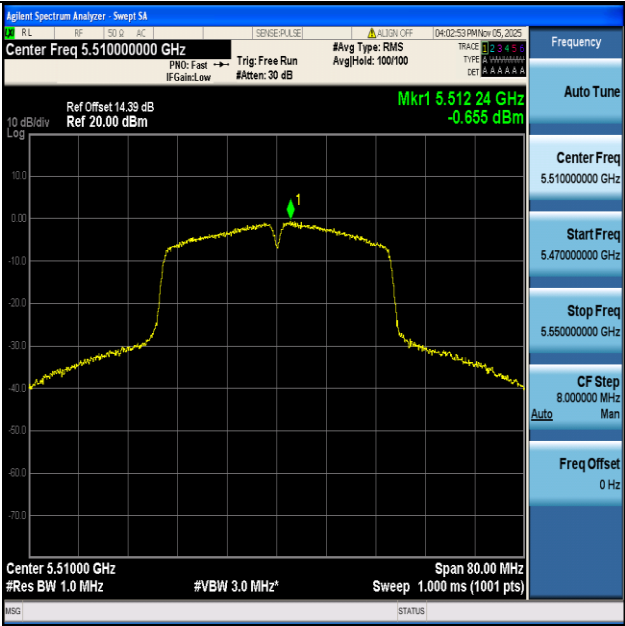
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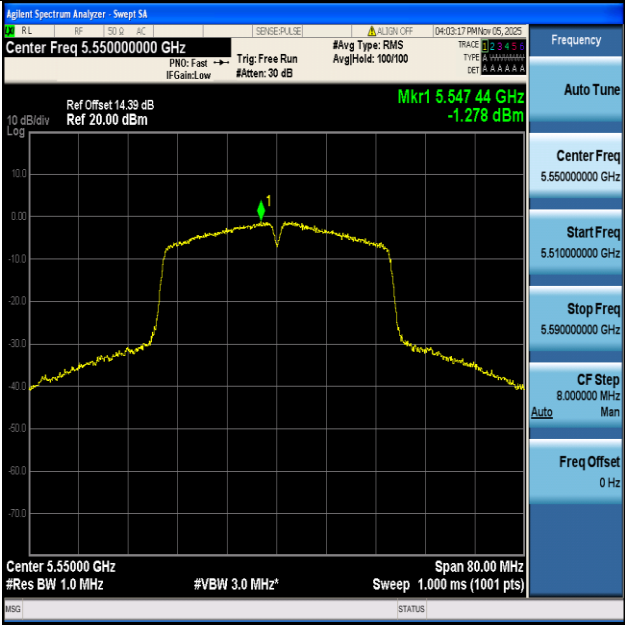
11N40SISO-Ant1-5310-PASS



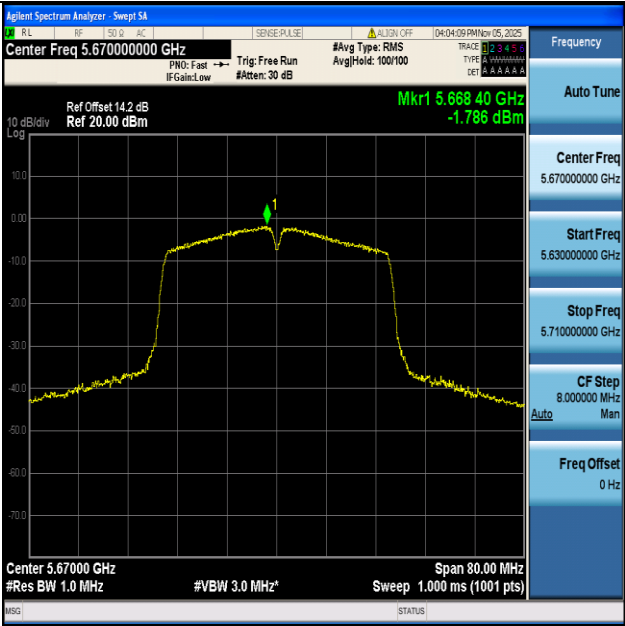
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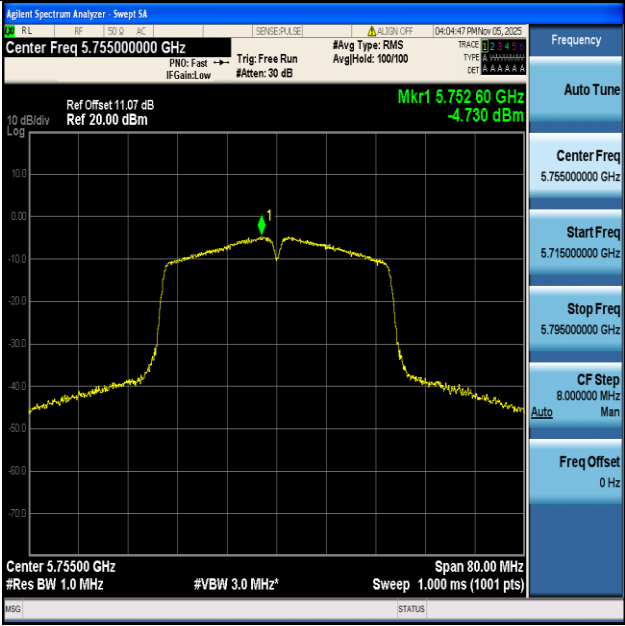
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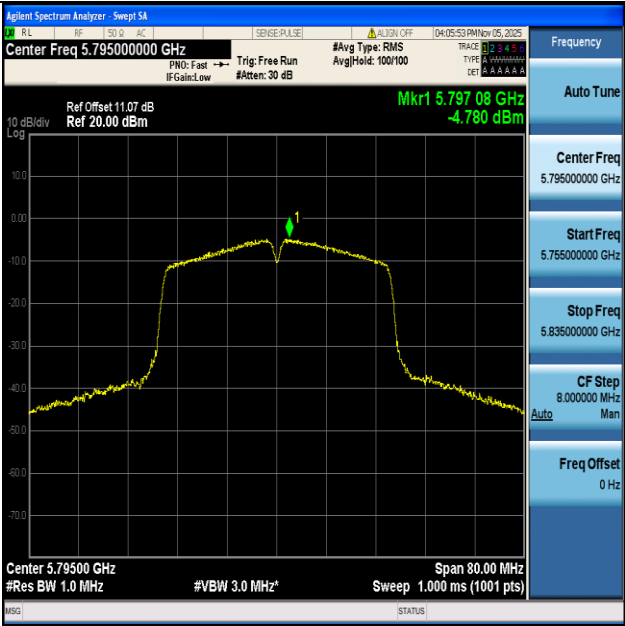
11N40SISO-Ant1-5670-PASS



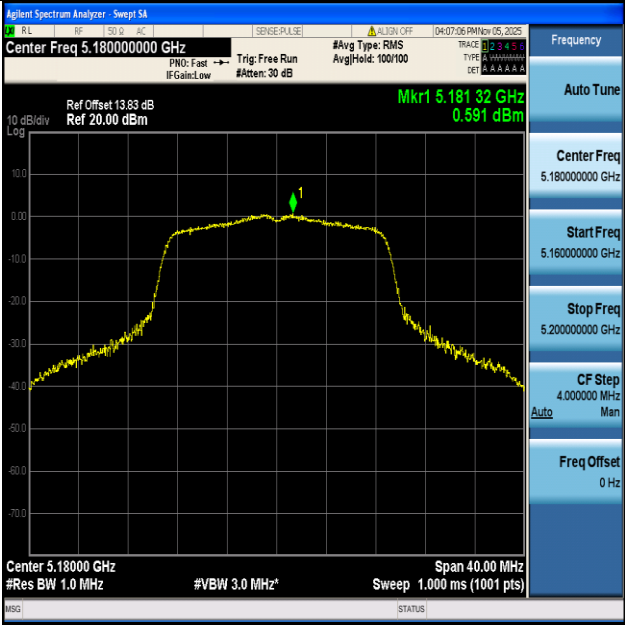
11N40SISO-Ant1-5755-PASS



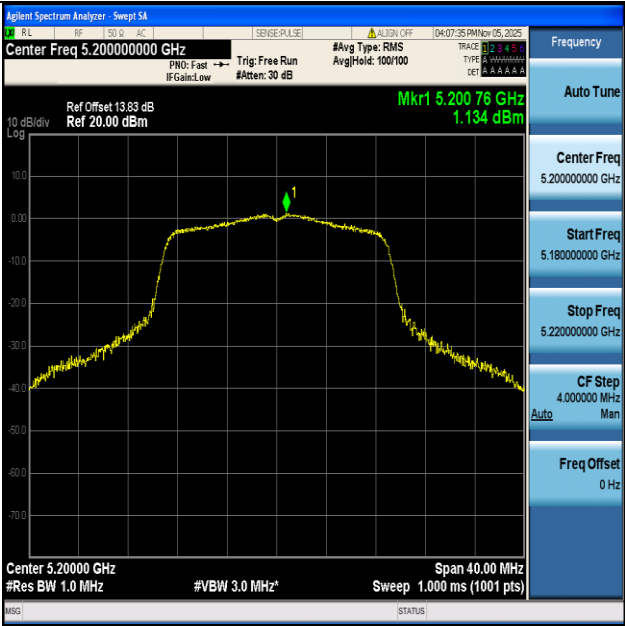
11N40SISO-Ant1-5795-PASS



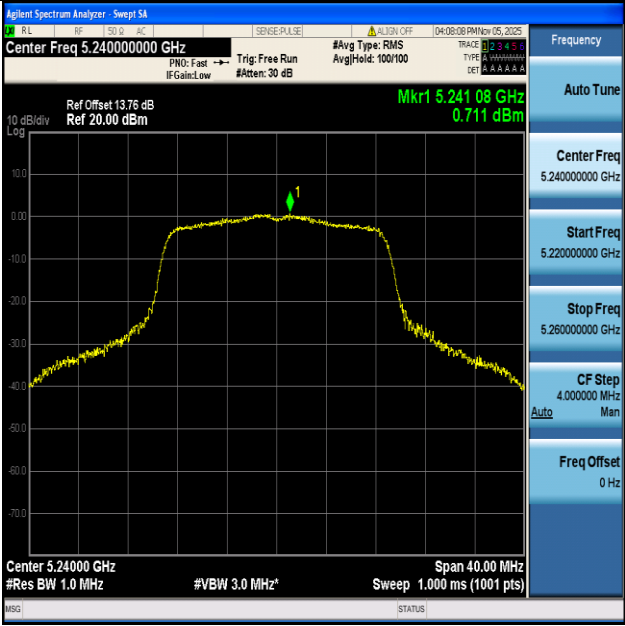
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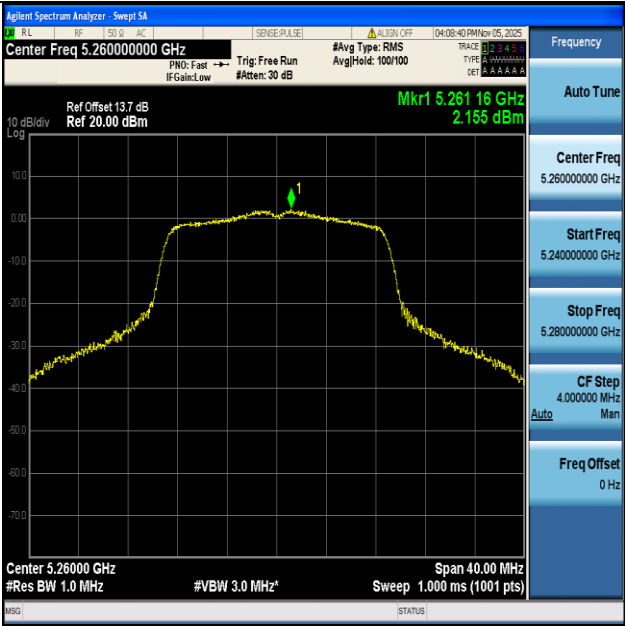
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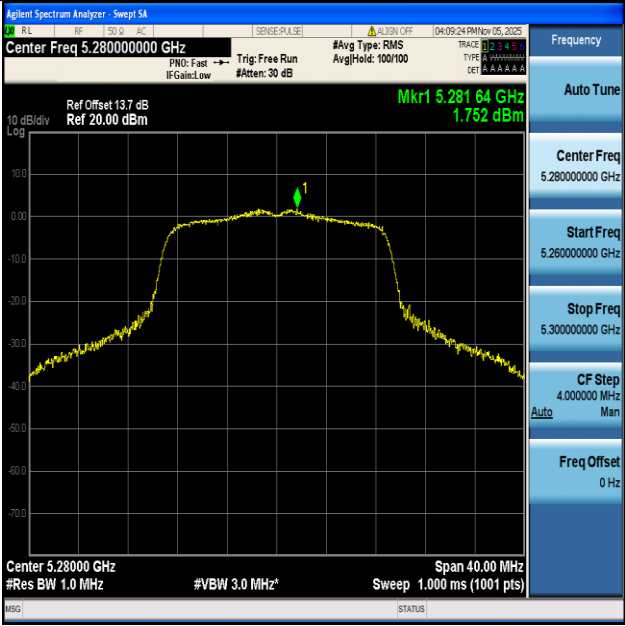
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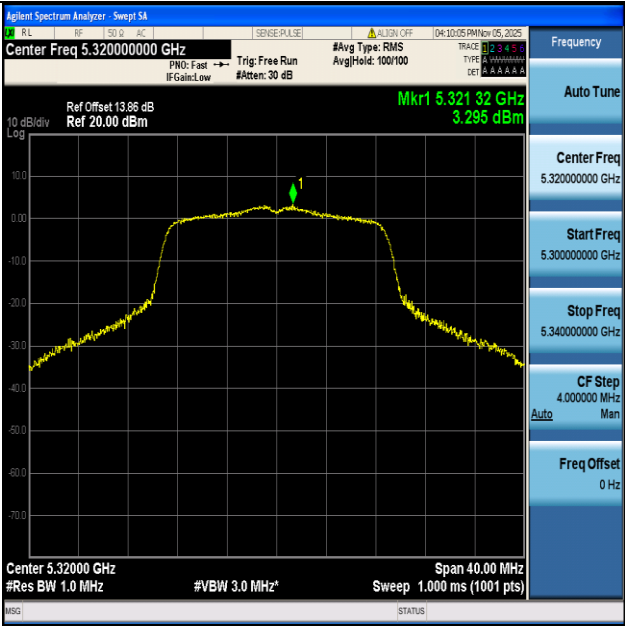
11AC20SISO-Ant1-5260-PASS



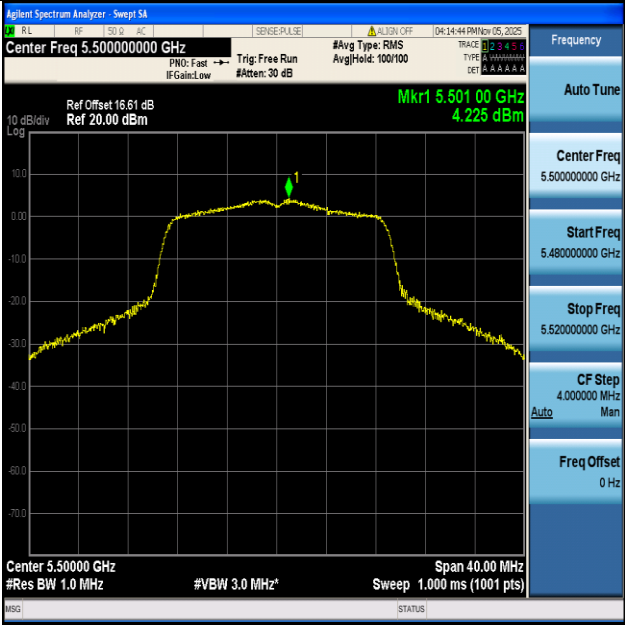
11AC20SISO-Ant1-5280-PASS



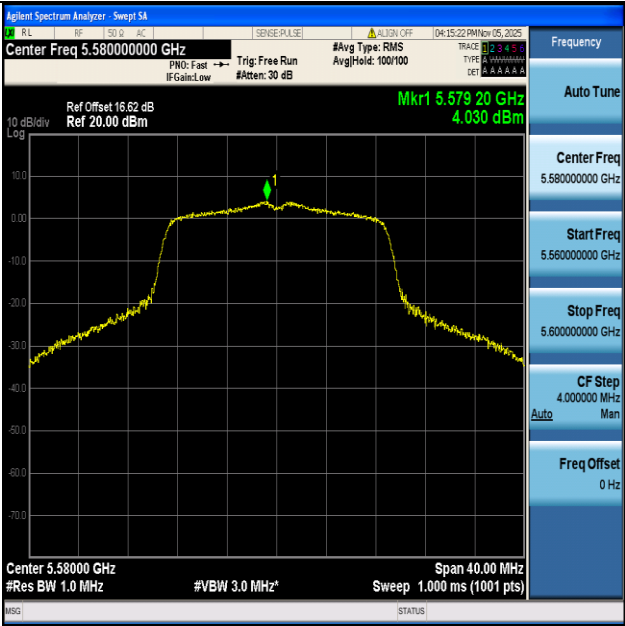
11AC20SISO-Ant1-5320-PASS



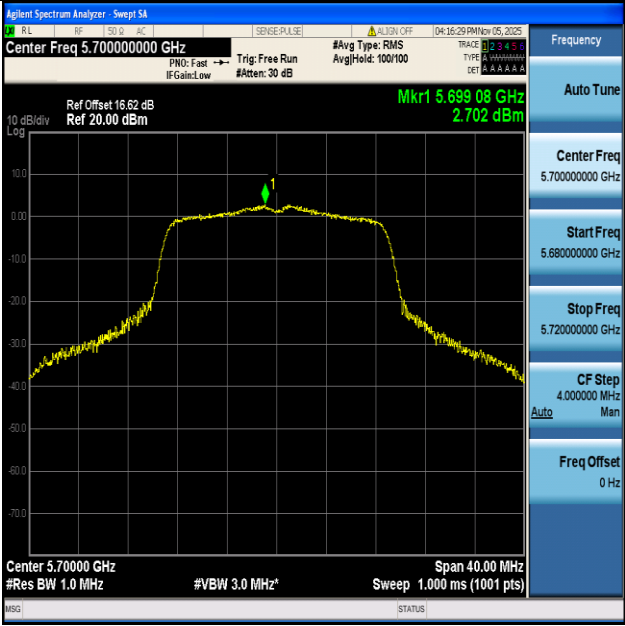
11AC20SISO-Ant1-5500-PASS



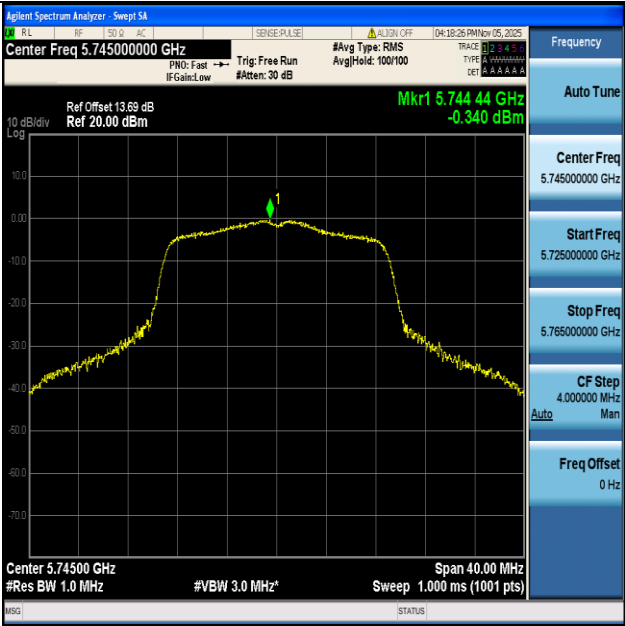
11AC20SISO-Ant1-5580-PASS



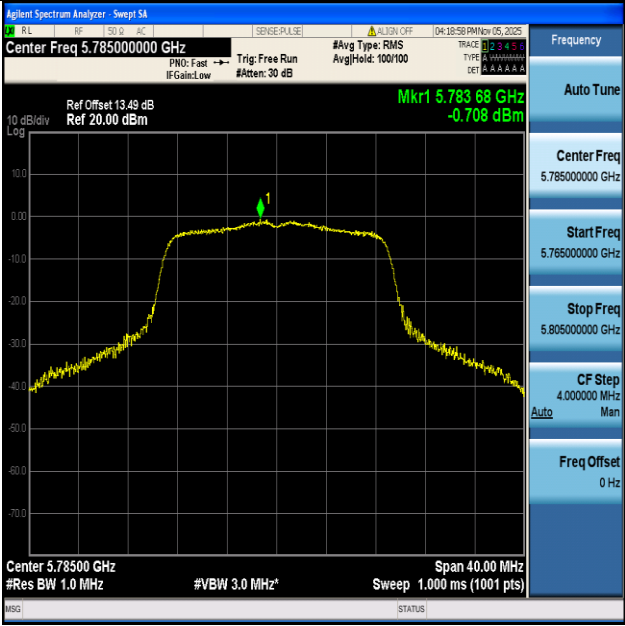
11AC20SISO-Ant1-5700-PASS



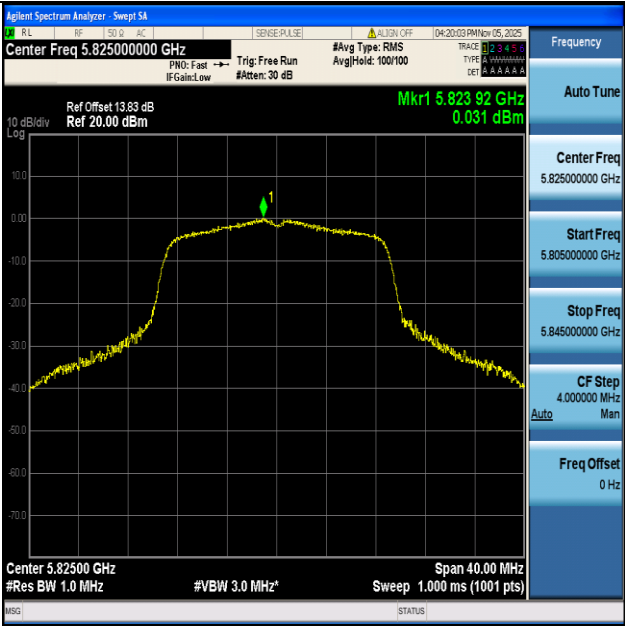
11AC20SISO-Ant1-5745-PASS



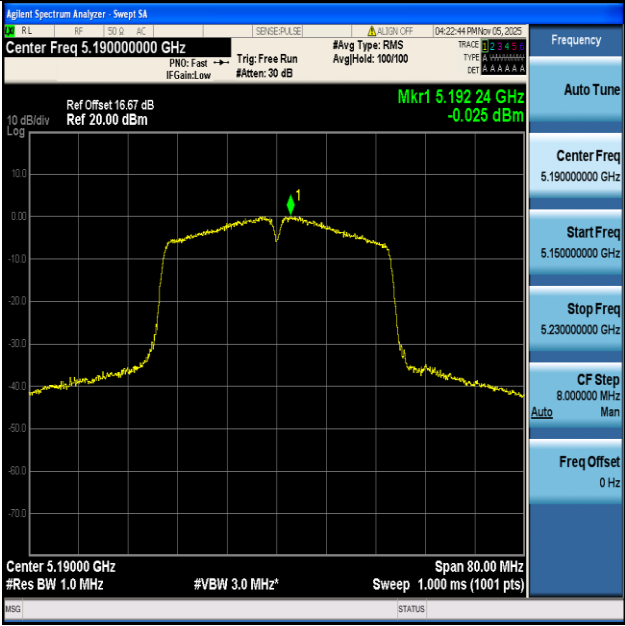
11AC20SISO-Ant1-5785-PASS



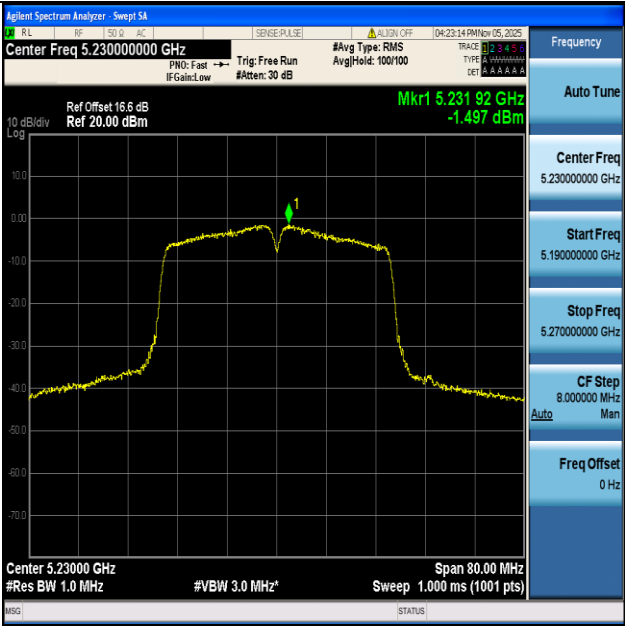
11AC20SISO-Ant1-5825-PASS



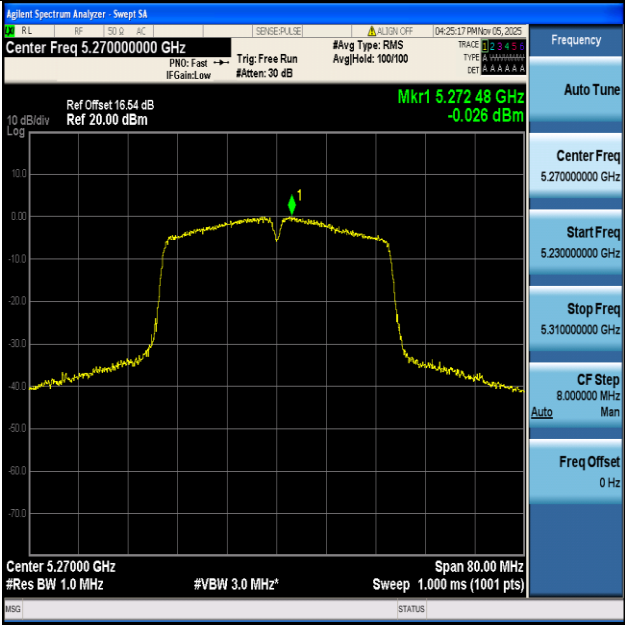
11AC40SISO-Ant1-5190-PASS



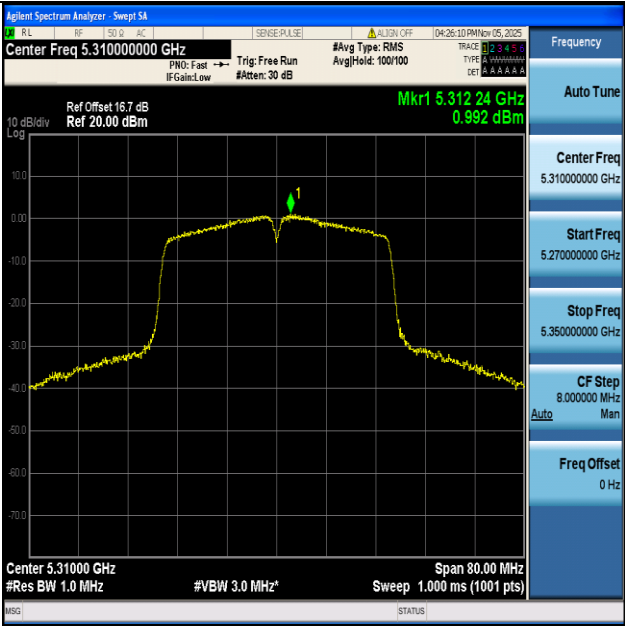
11AC40SISO-Ant1-5230-PASS



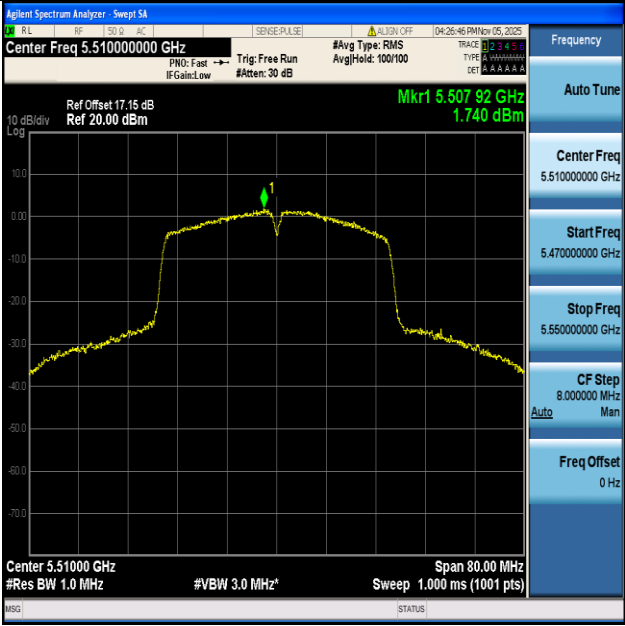
11AC40SISO-Ant1-5270-PASS



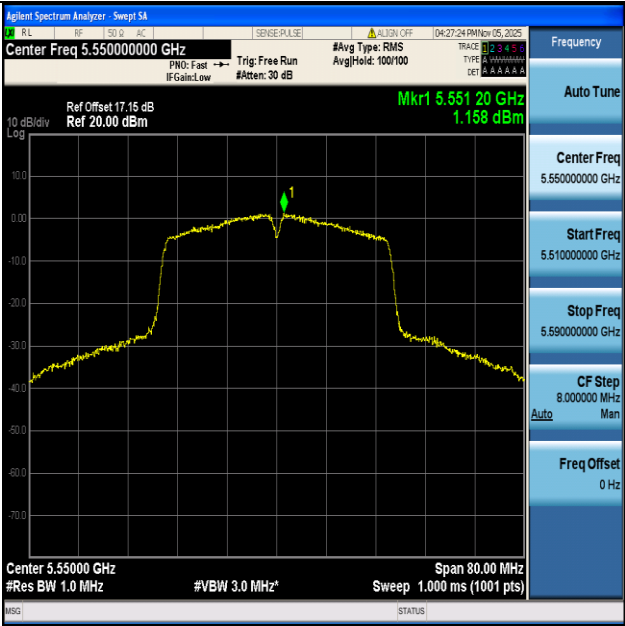
11AC40SISO-Ant1-5310-PASS



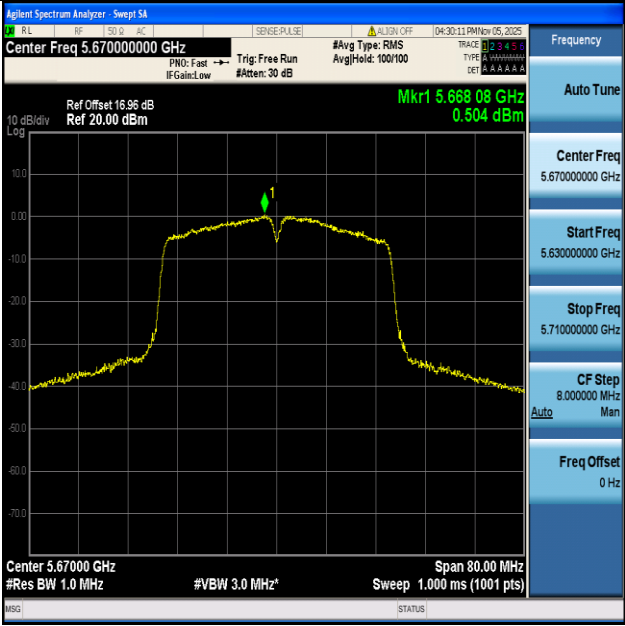
11AC40SISO-Ant1-5510-PASS



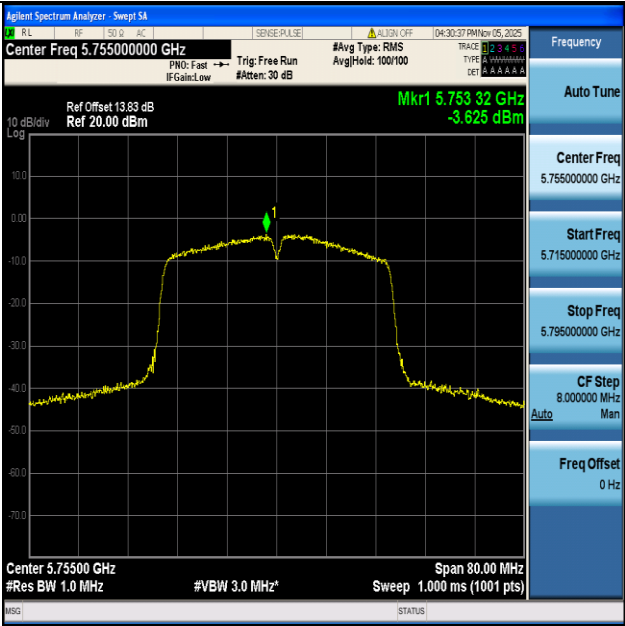
11AC40SISO-Ant1-5550-PASS



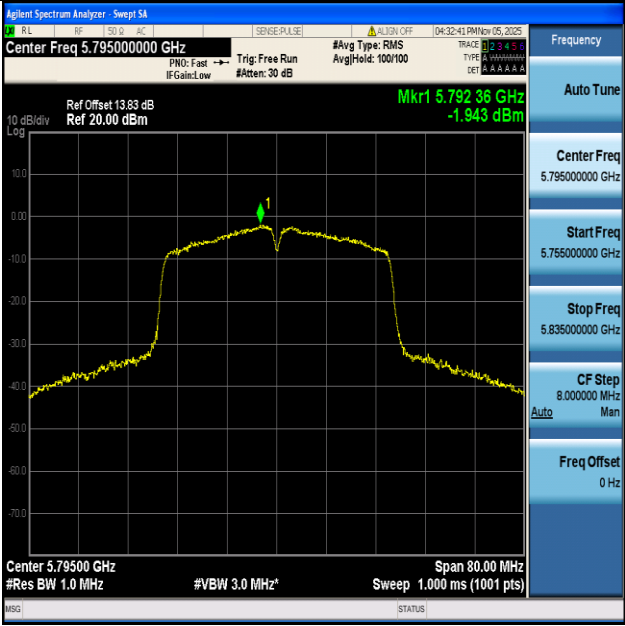
11AC40SISO-Ant1-5670-PASS



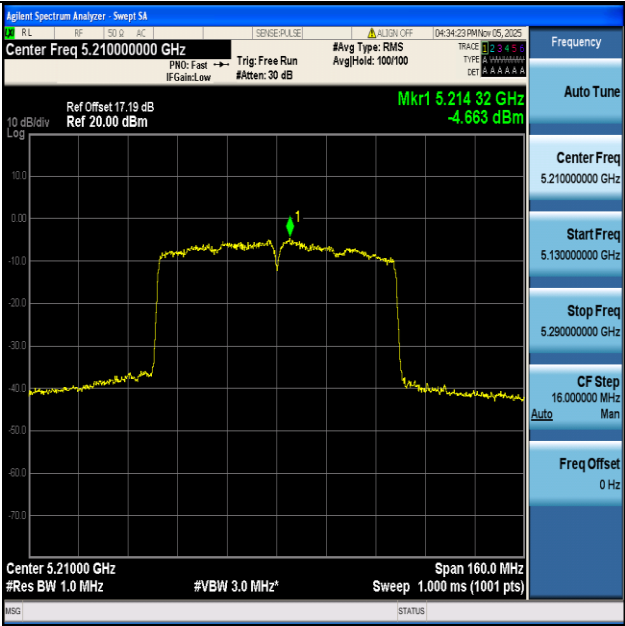
11AC40SISO-Ant1-5755-PASS



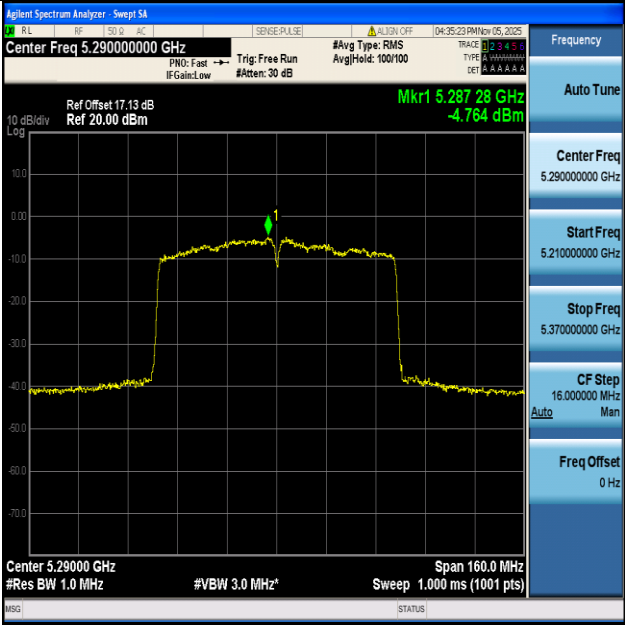
11AC40SISO-Ant1-5795-PASS



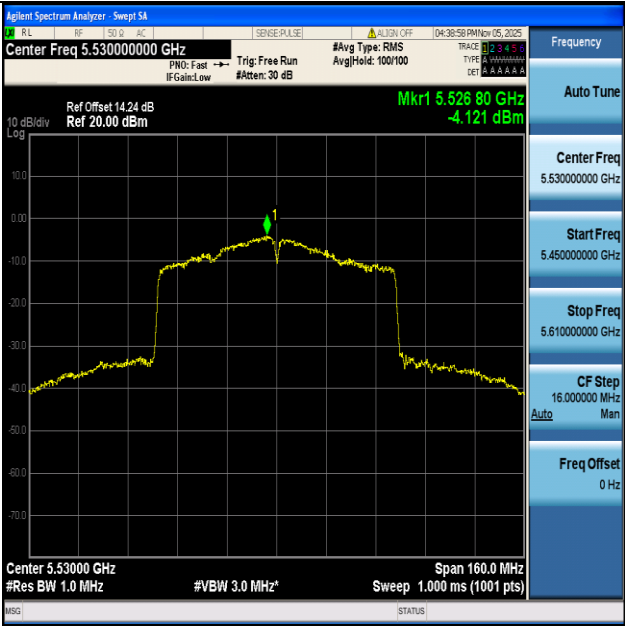
11AC80SISO-Ant1-5210-PASS



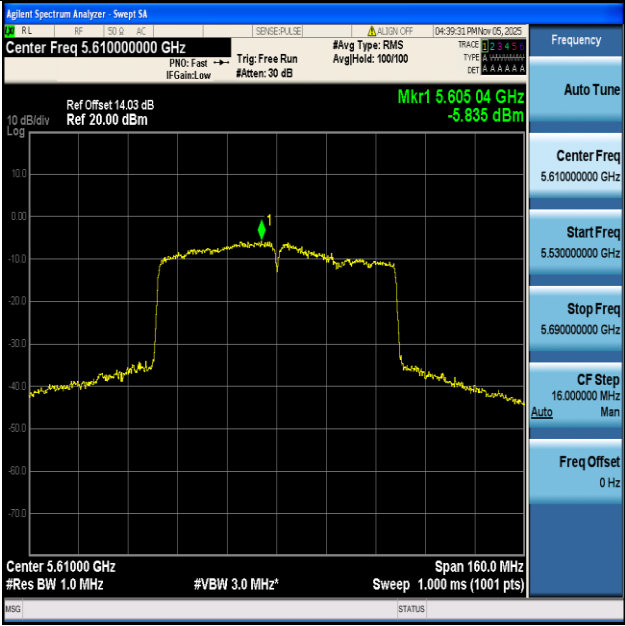
11AC80SISO-Ant1-5290-PASS



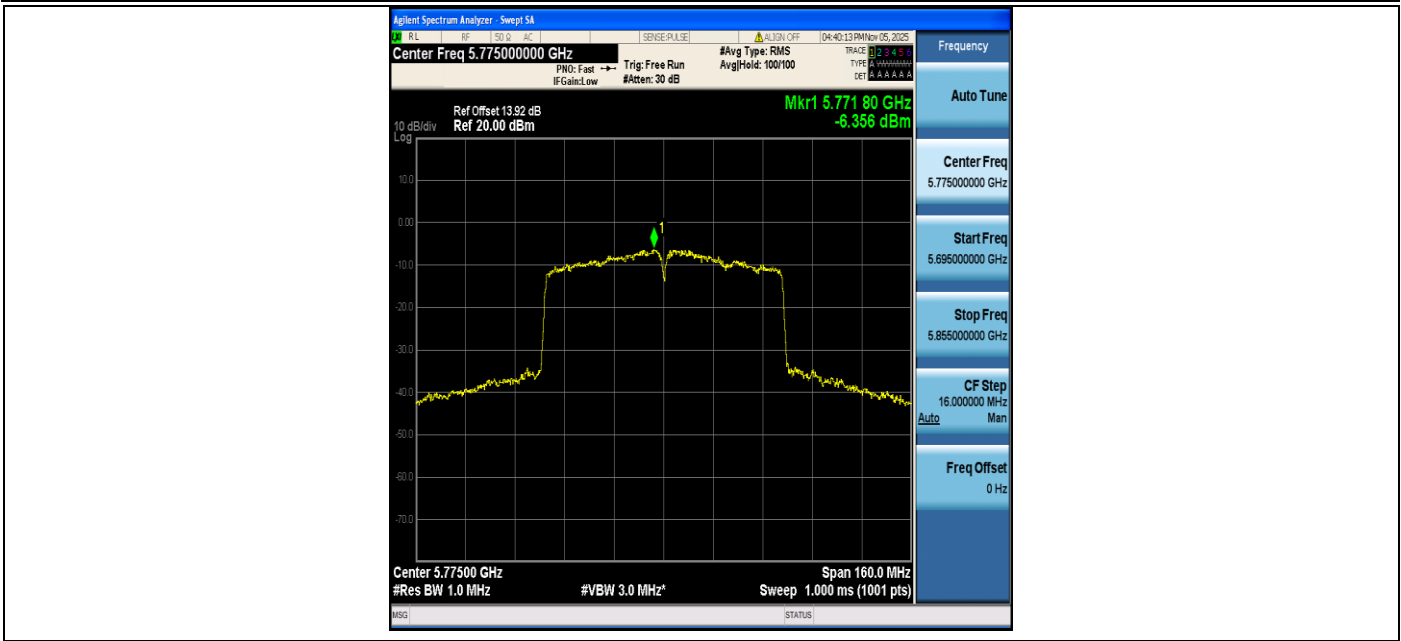
11AC80SISO-Ant1-5530-PASS



11AC80SISO-Ant1-5610-PASS

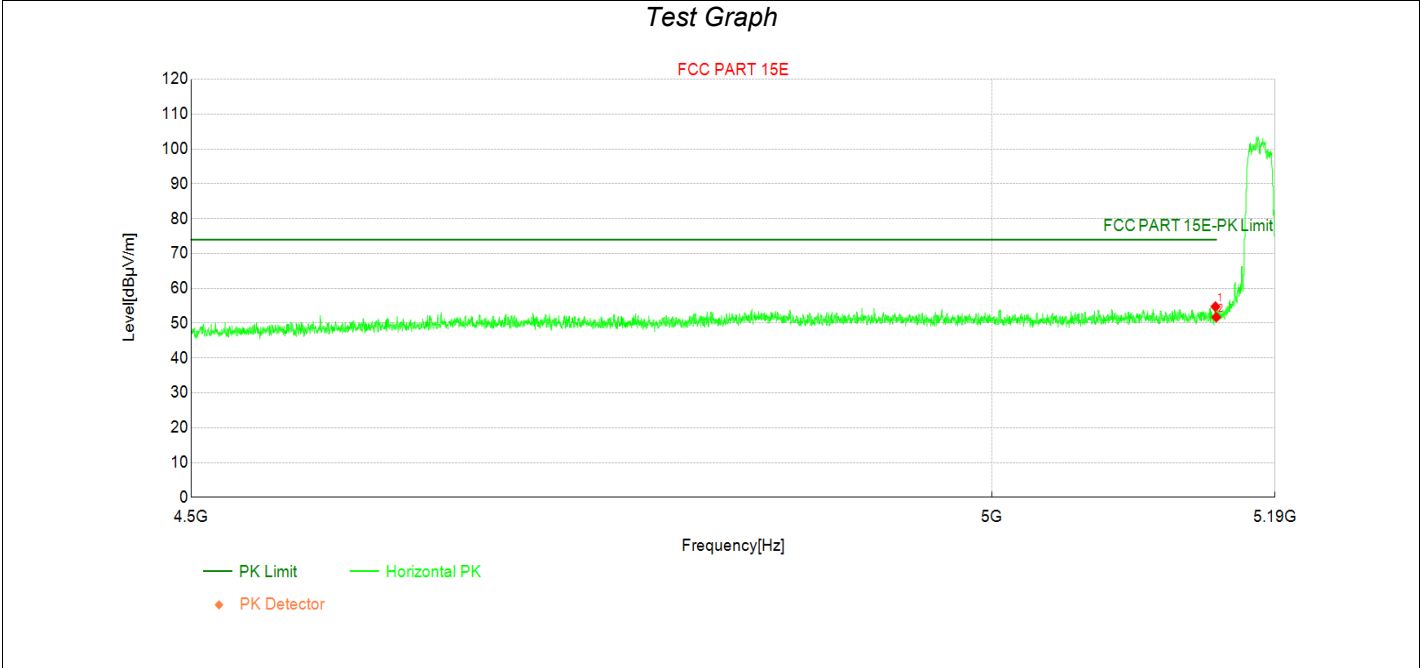


11AC80SISO-Ant1-5775-PASS



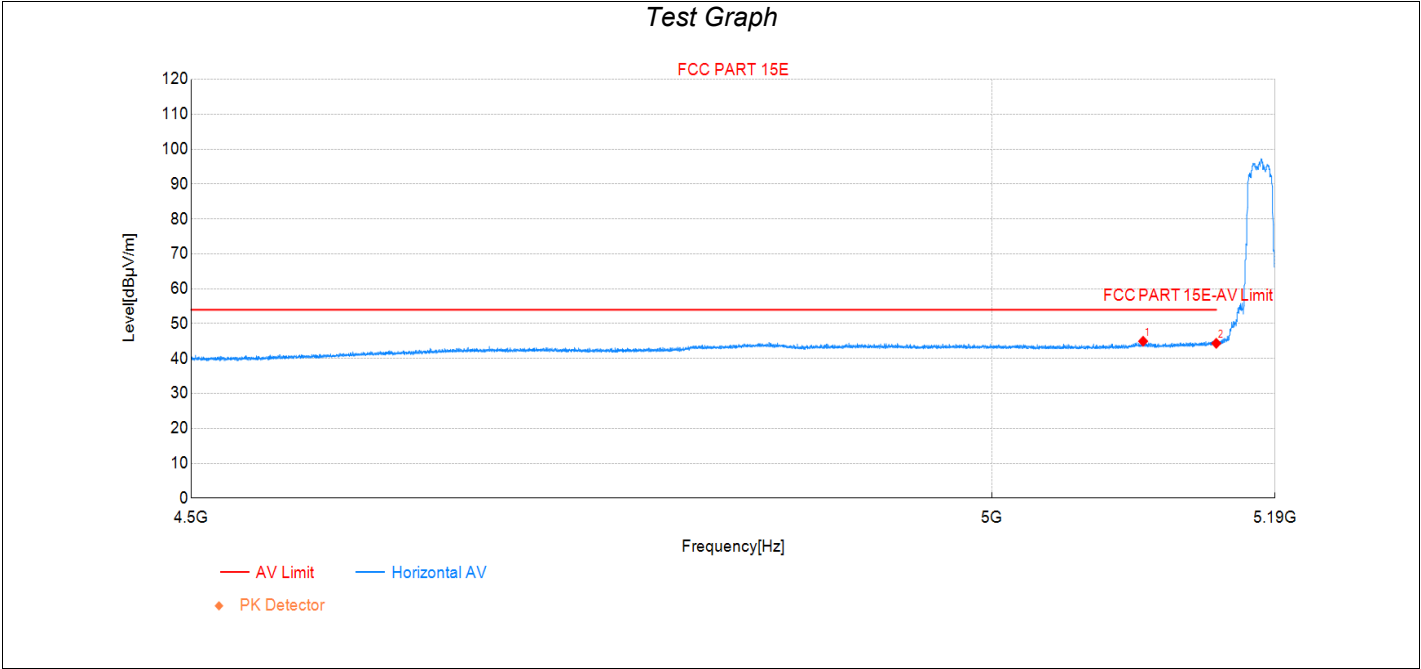
Appendix G: Test result of Radiated Emission Band Edge

Transmit at 5180MHz by 802.11a with Ant1



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5149.46	38.62	54.74	16.12	74.00	19.26	PK	Horizo	PASS
2	5150.00	35.62	51.73	16.11	74.00	22.27	PK	Horizo	PASS

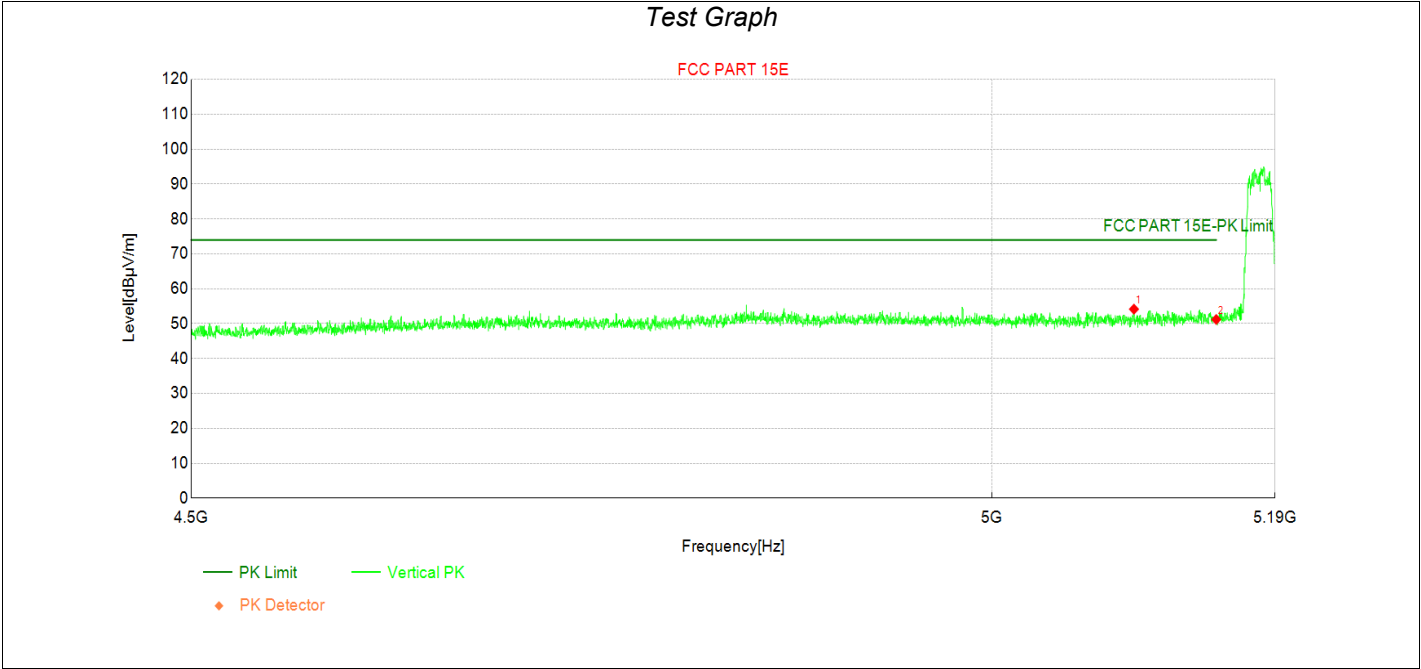
Transmit at 5180MHz by 802.11a with Ant1



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5100.65	28.78	44.95	16.17	54.00	9.05	AV	Horizo	PASS
2	5150.00	28.26	44.37	16.11	54.00	9.63	AV	Horizo	PASS

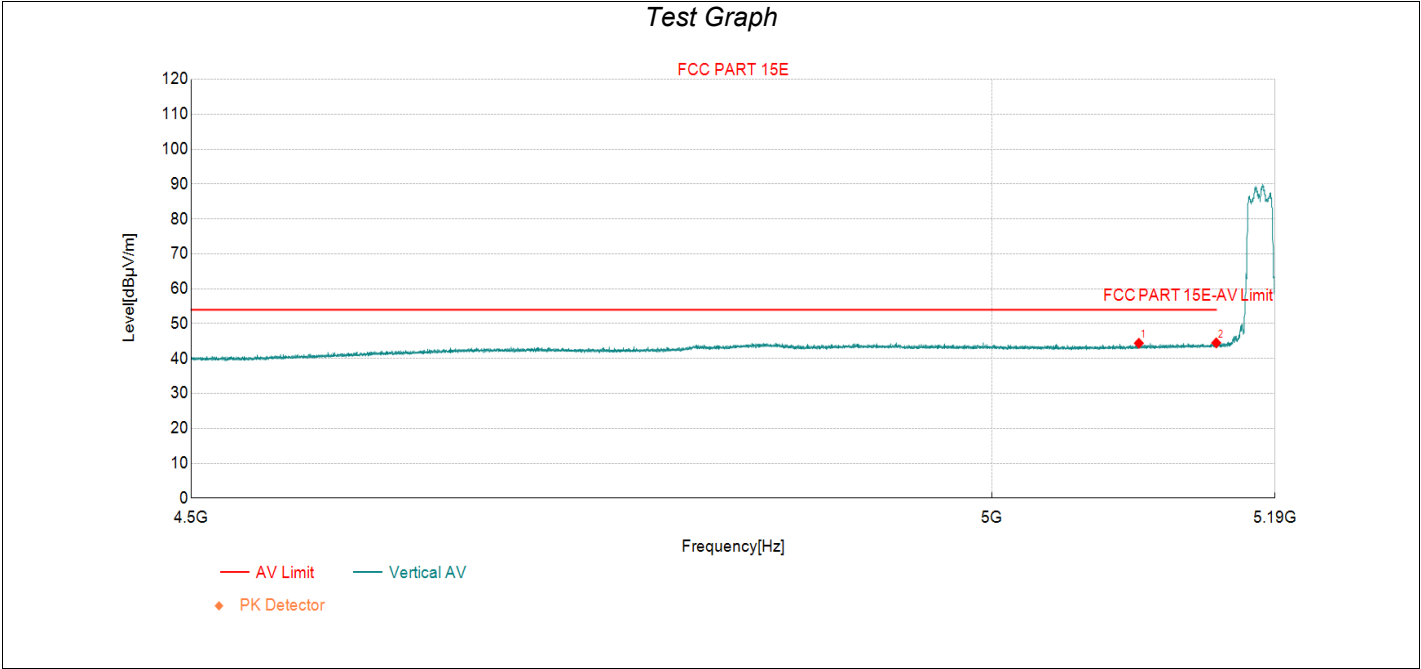
Transmit at 5180MHz by 802.11a with Ant1



Data List

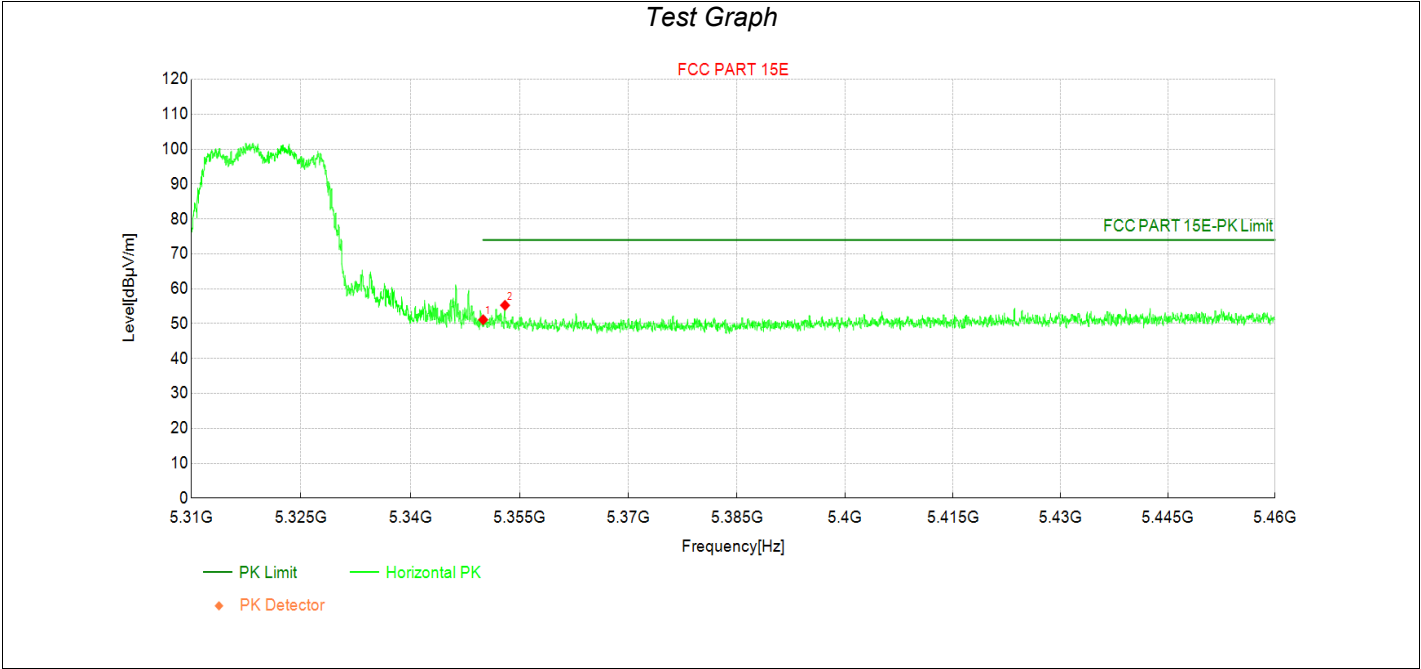
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5094.52	38.00	54.15	16.15	74.00	19.85	PK	Vertic	PASS
2	5150.00	35.09	51.20	16.11	74.00	22.80	PK	Vertic	PASS

Transmit at 5180MHz by 802.11a with Ant1



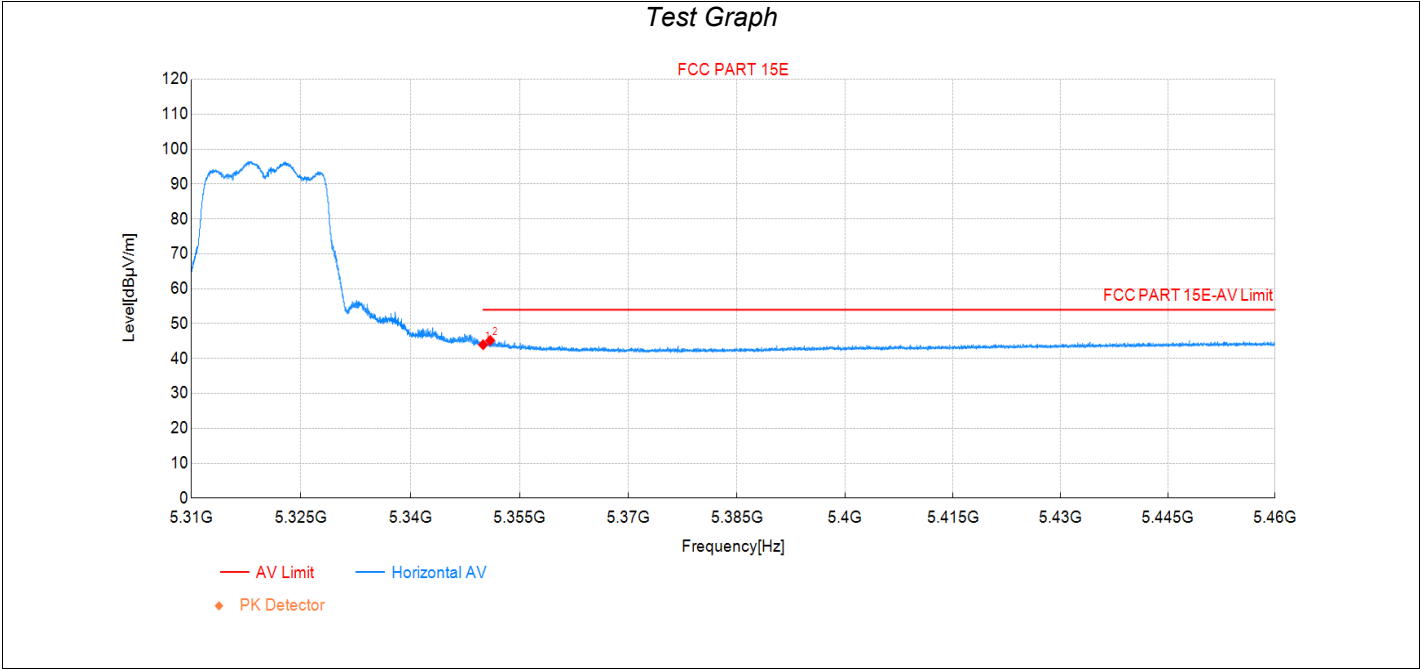
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5097.80	28.24	44.40	16.16	54.00	9.60	AV	Vertic	PASS
2	5150.00	28.38	44.49	16.11	54.00	9.51	AV	Vertic	PASS

Transmit at 5320MHz by 802.11a with Ant1



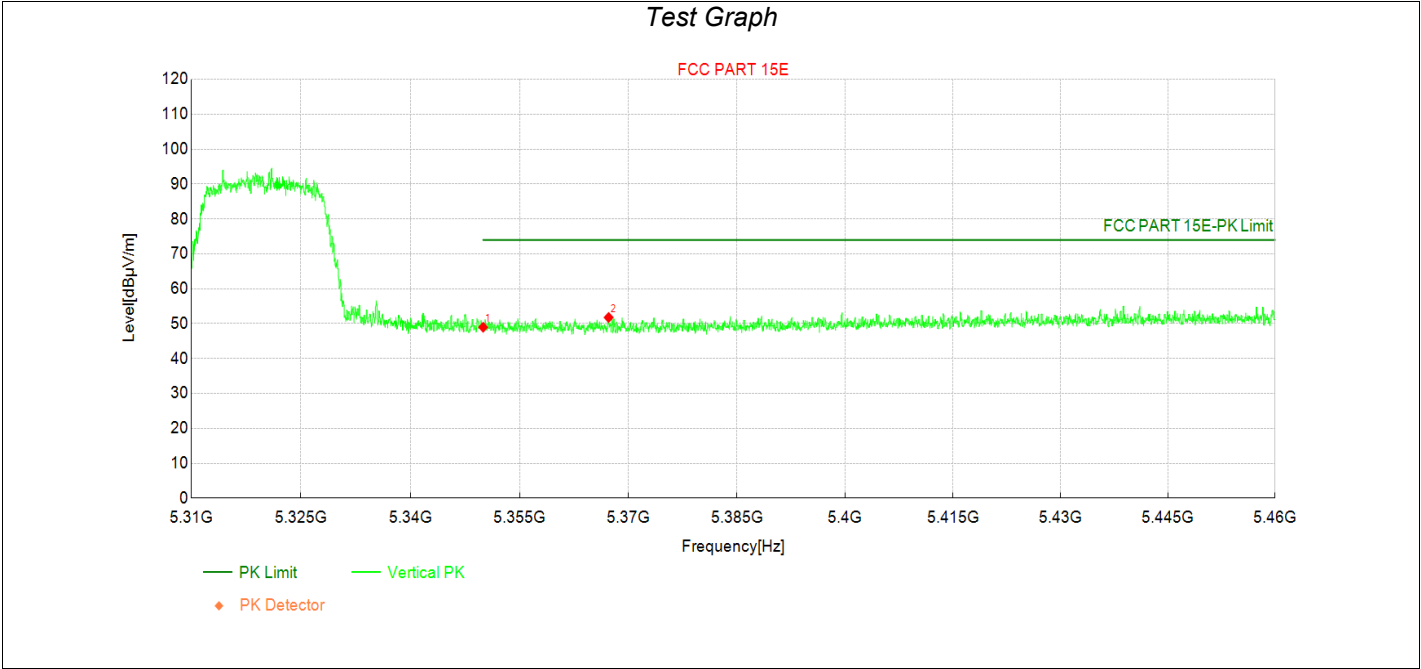
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5350.00	34.66	51.12	16.46	74.00	22.88	PK	Horizo	PASS
2	5353.01	38.78	55.26	16.48	74.00	18.74	PK	Horizo	PASS

Transmit at 5320MHz by 802.11a with Ant1



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5350.00	27.49	43.95	16.46	54.00	10.05	AV	Horizo	PASS
2	5350.97	28.71	45.17	16.46	54.00	8.83	AV	Horizo	PASS

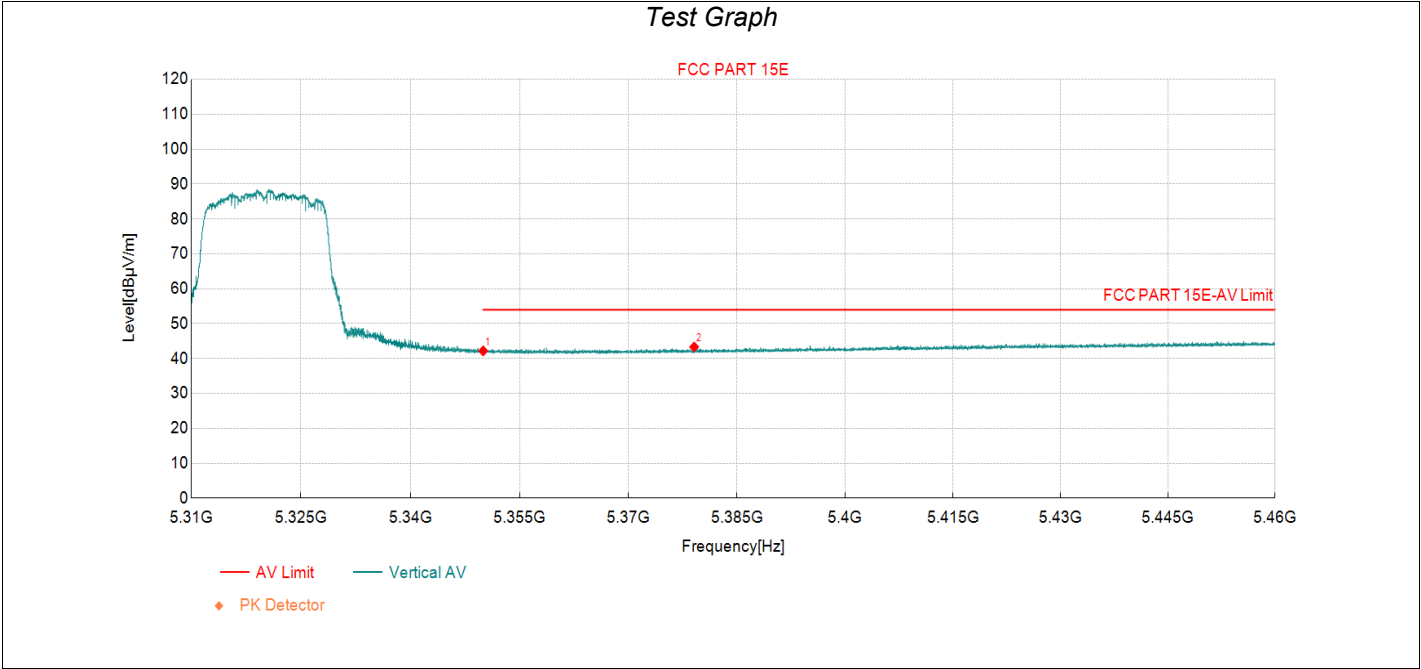
Transmit at 5320MHz by 802.11a with Ant1



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5350.00	32.51	48.97	16.46	74.00	25.03	PK	Vertic	PASS
2	5367.28	35.27	51.78	16.51	74.00	22.22	PK	Vertic	PASS

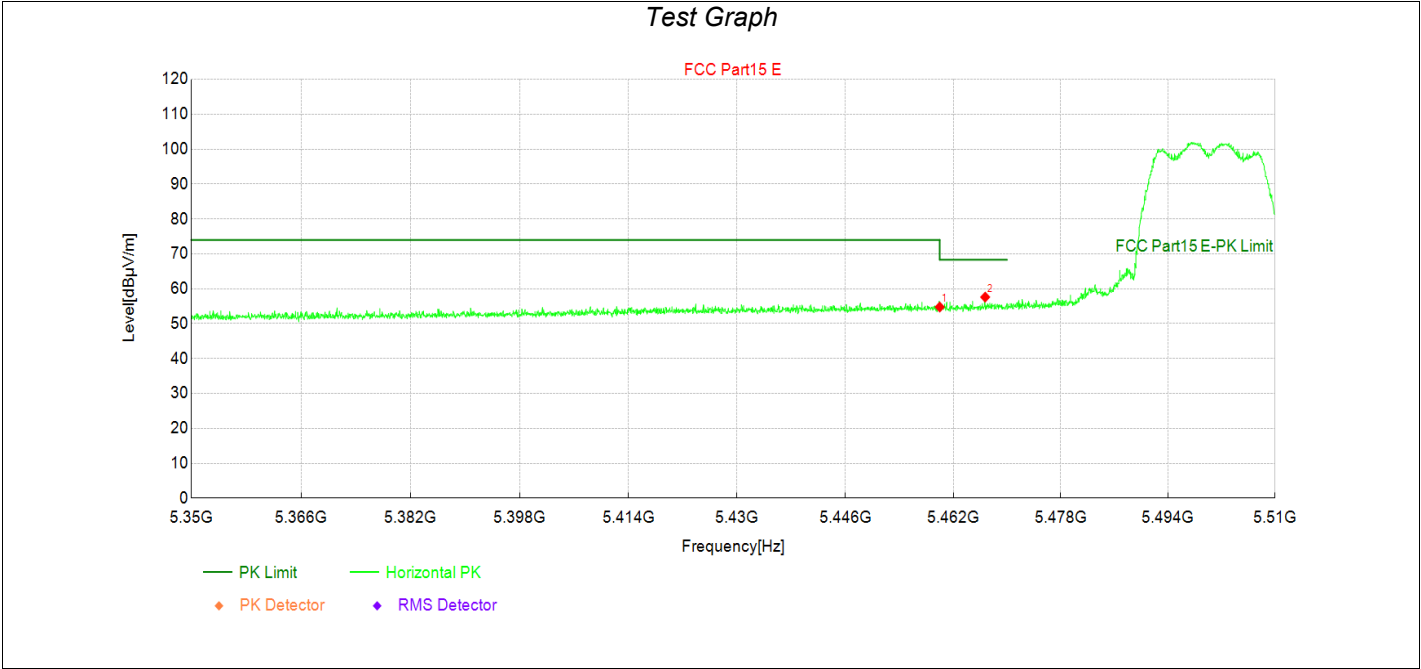


Transmit at 5320MHz by 802.11a with Ant1



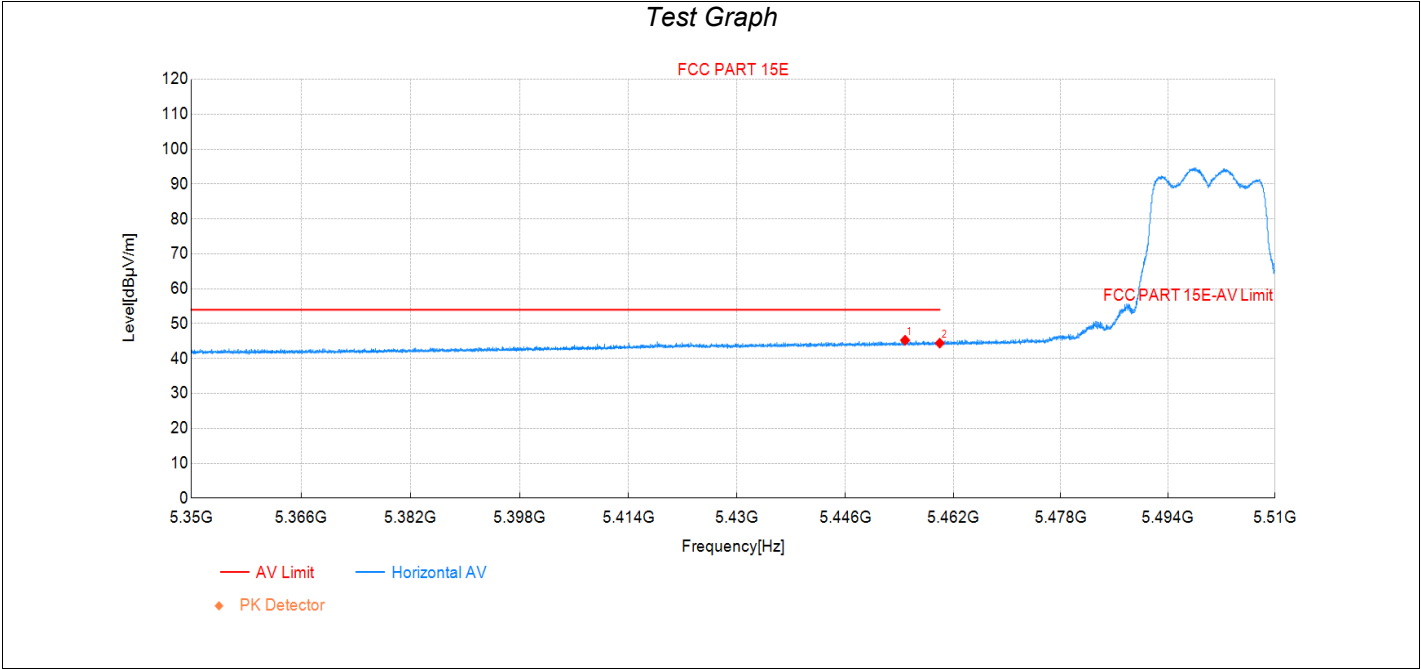
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5350.00	25.73	42.19	16.46	54.00	11.81	AV	Vertic	PASS
2	5379.09	26.78	43.33	16.55	54.00	10.67	AV	Vertic	PASS

Transmit at 5500MHz by 802.11a with Ant1

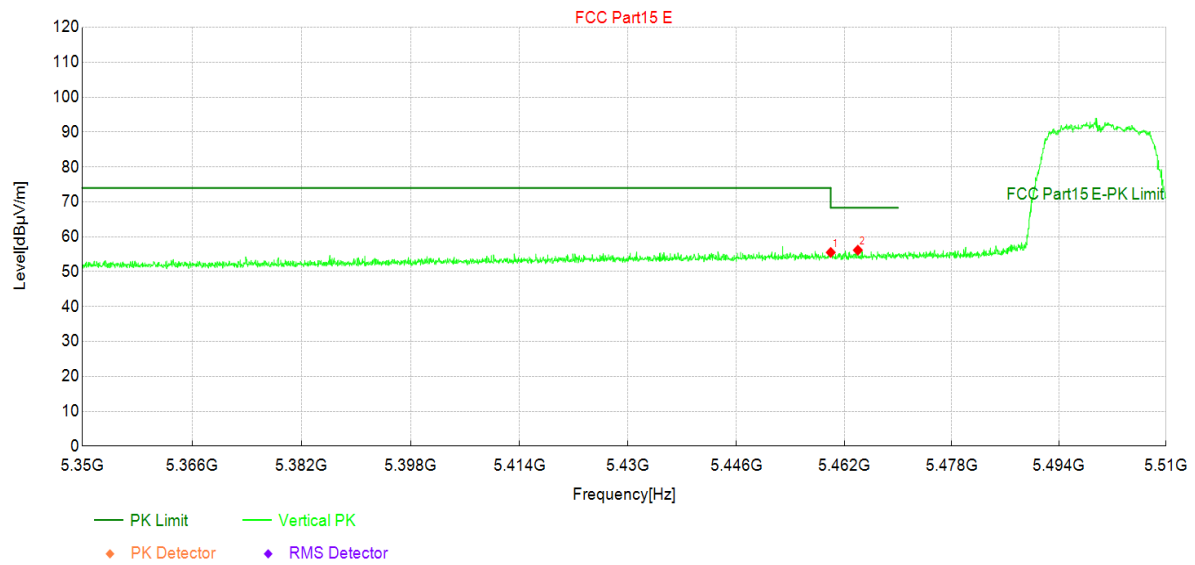


Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5460.00	37.60	54.77	17.17	68.30	13.53	PK	Horizo	PASS
2	5466.75	40.38	57.61	17.23	68.30	10.69	PK	Horizo	PASS

Transmit at 5500MHz by 802.11a with Ant1



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5454.86	28.13	45.25	17.12	54.00	8.75	AV	Horizo	PASS
2	5460.00	27.24	44.41	17.17	54.00	9.59	AV	Horizo	PASS

Transmit at 5500MHz by 802.11a with Ant1**Test Graph****Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	5460.00	38.34	55.51	17.17	68.30	12.79	PK	Vertic	PASS
2	5464.03	38.94	56.15	17.21	68.30	12.15	PK	Vertic	PASS