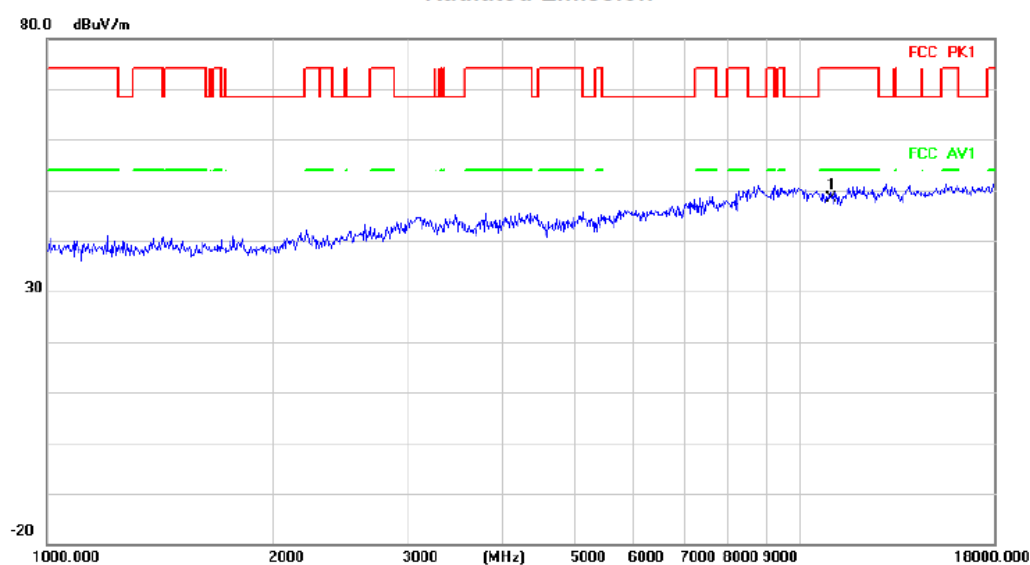


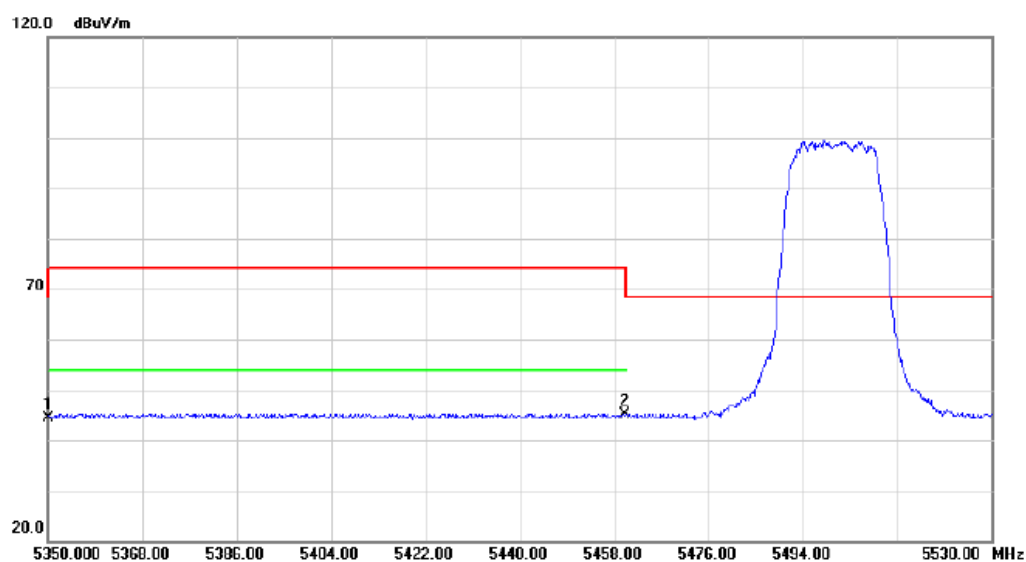
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	11000.000	40.95	7.38	48.33	74.00	-25.67	peak		

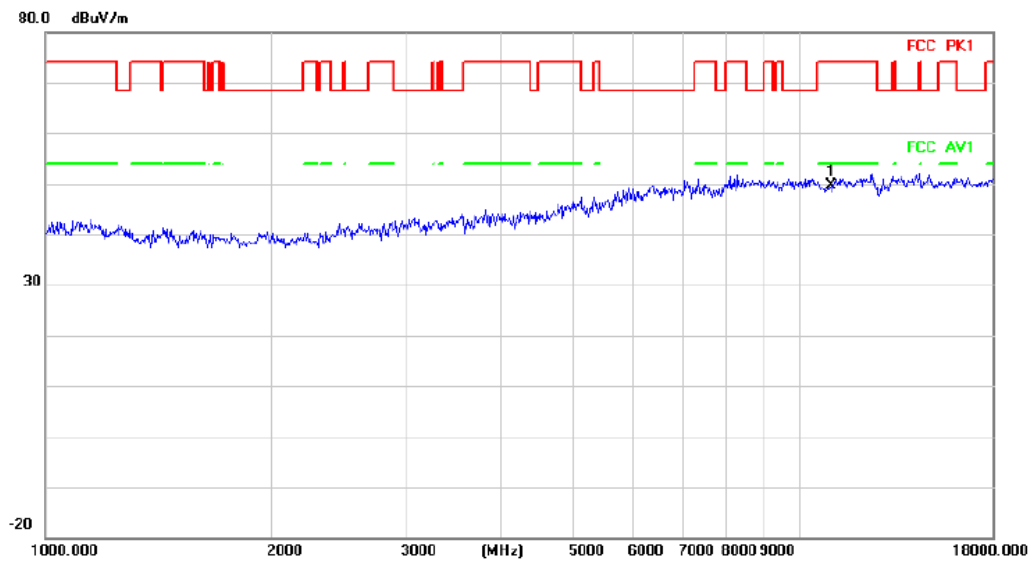
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5350.000	39.16	5.25	44.41	68.20	-23.79	peak		
2	*	5460.000	40.04	5.03	45.07	68.20	-23.13	peak		

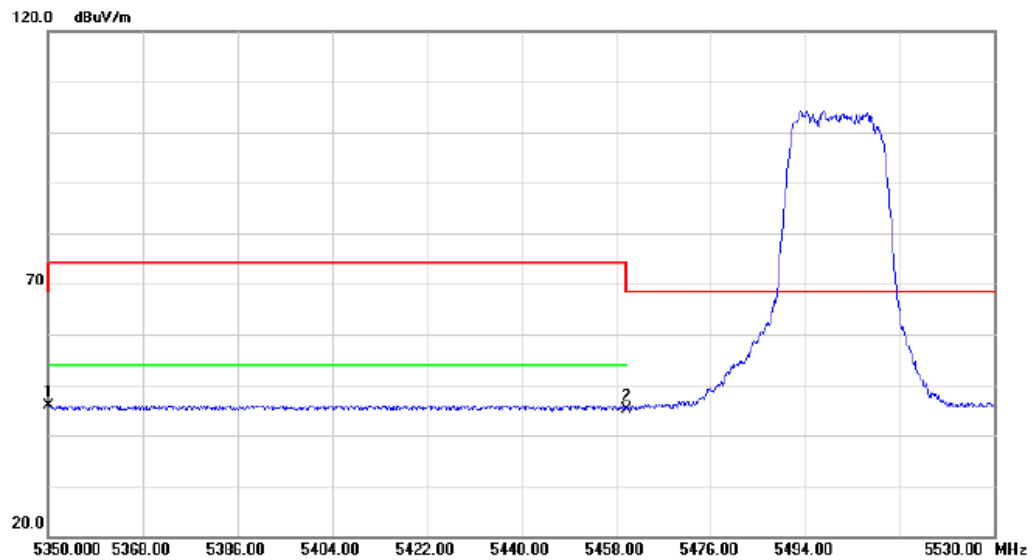
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	11000.000	42.34	7.38	49.72	74.00	-24.28	peak		

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	5350.000	40.54	5.25	45.79	68.20	-22.41	peak		
2		5460.000	40.02	5.03	45.05	68.20	-23.15	peak		

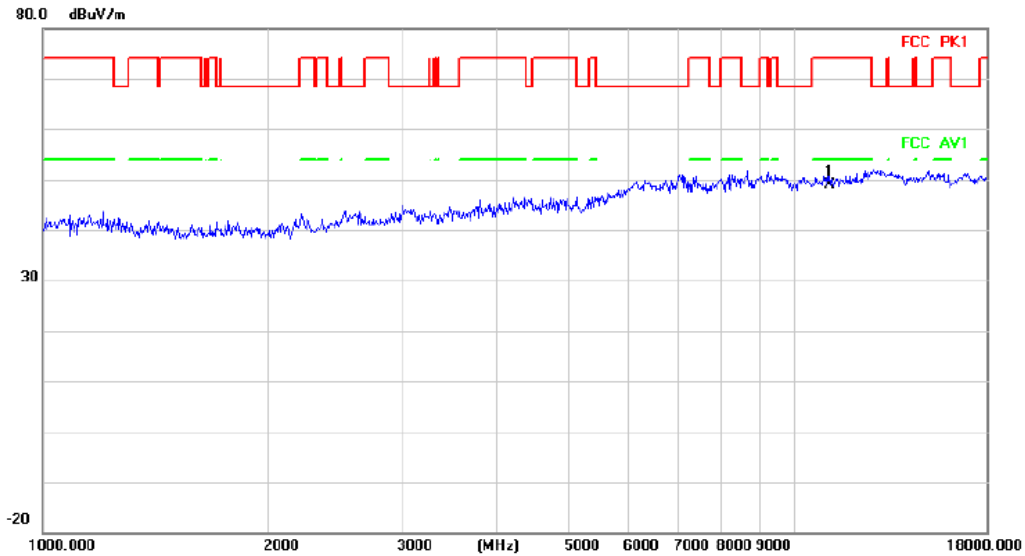
Above 1GHz (1GHz~18GHz)

Test mode: 11AX20

Test Channel:116

VERTICAL

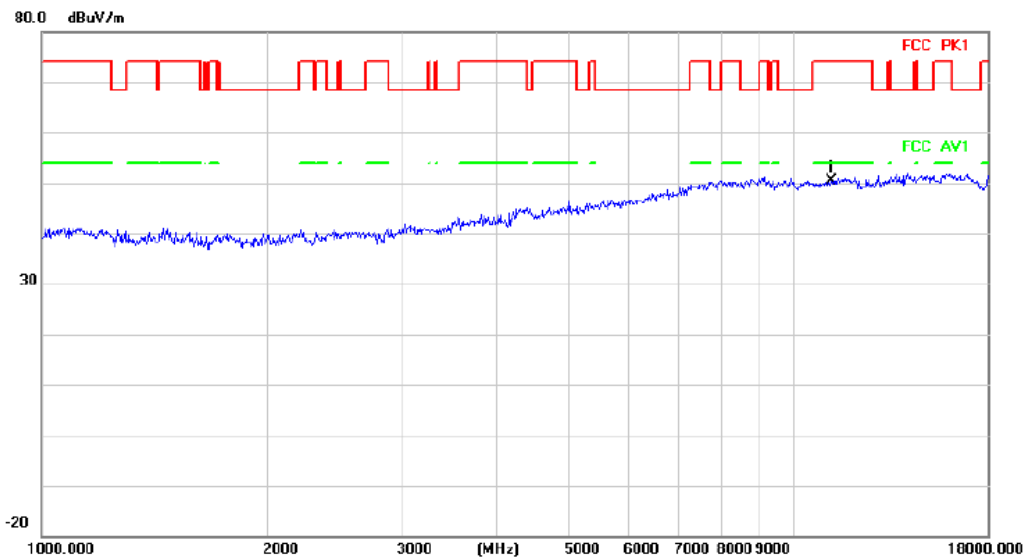
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	11160.000	41.44	7.54	48.98	74.00	-25.02	peak		

HORIZONTAL

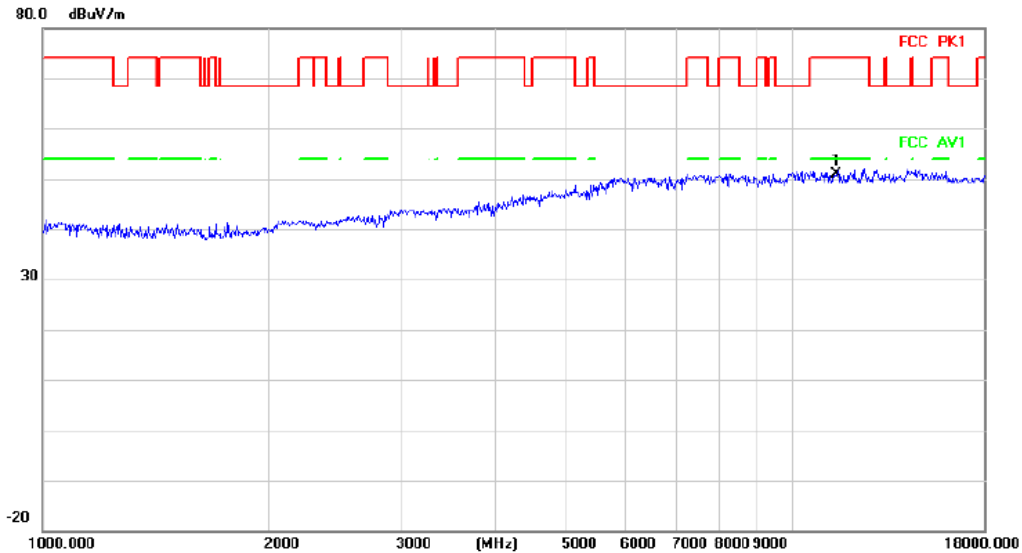
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	11160.000	42.73	7.54	50.27	74.00	-23.73	peak		

VERTICAL

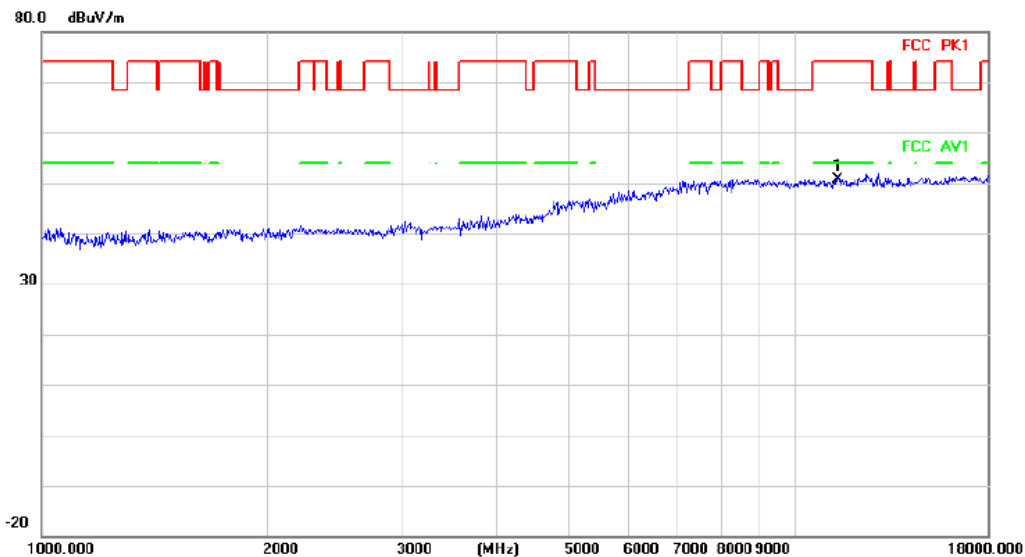
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	11400.000	43.26	7.54	50.80	74.00	-23.20	peak		Comment

HORIZONTAL

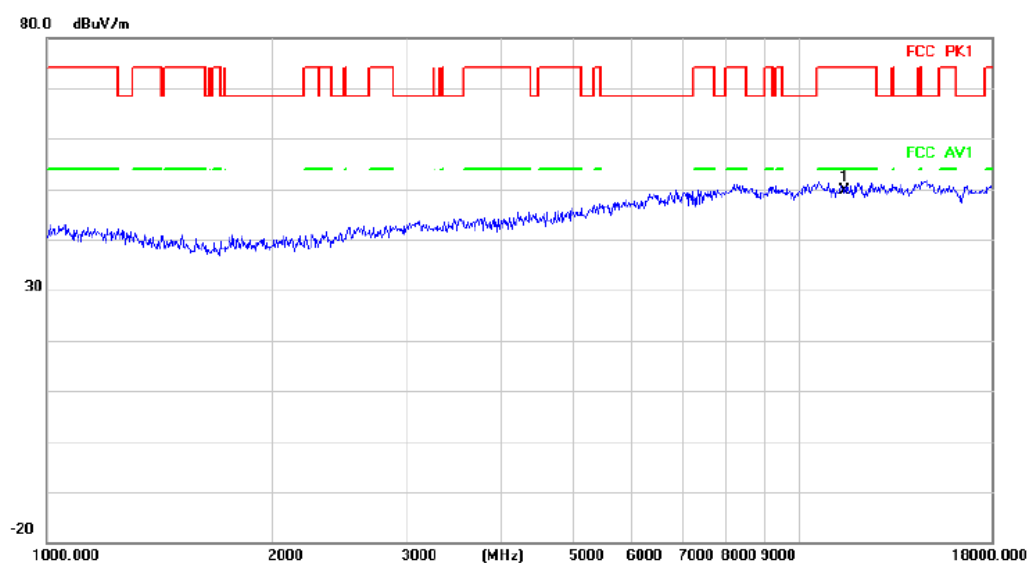
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	11400.000	43.02	7.54	50.56	74.00	-23.44	peak		Comment

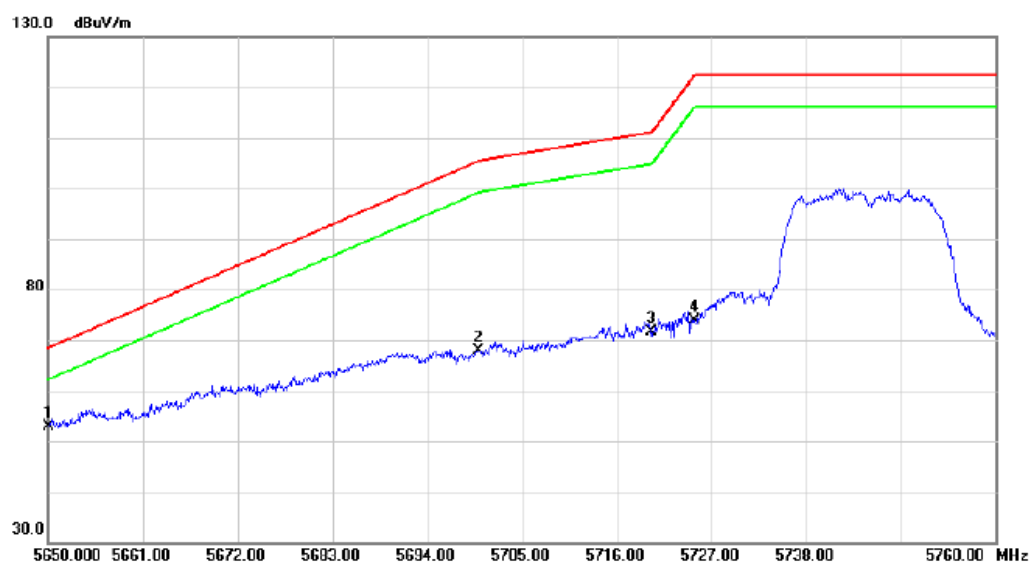
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	11490.000	41.86	7.76	49.62	74.00	-24.38	peak	

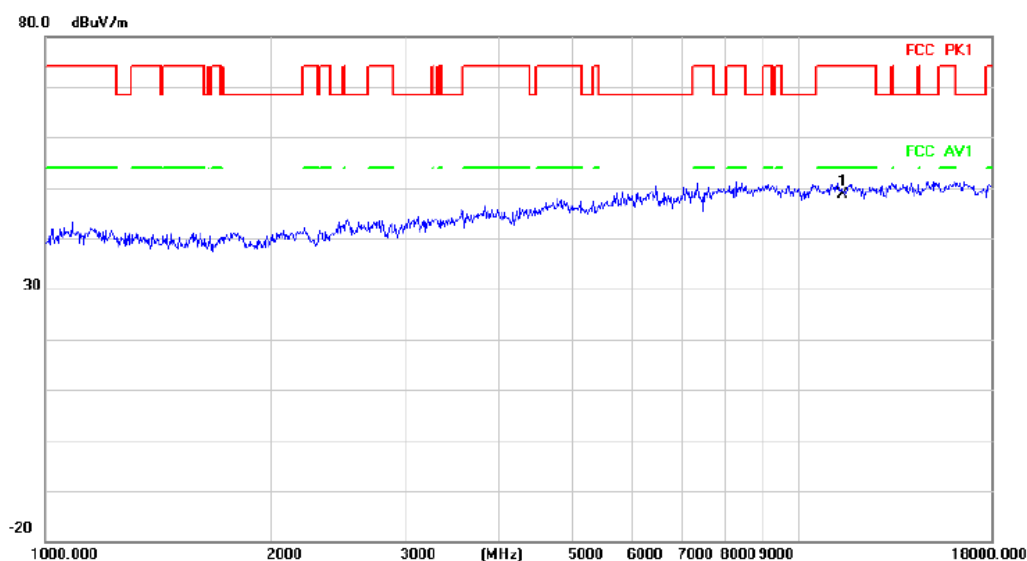
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	5650.000	47.05	5.72	52.77	68.20	-15.43	peak	
2		5700.000	61.89	6.00	67.89	105.20	-37.31	peak	
3		5720.000	65.74	5.82	71.56	110.80	-39.24	peak	
4		5725.000	68.11	5.78	73.89	122.20	-48.31	peak	

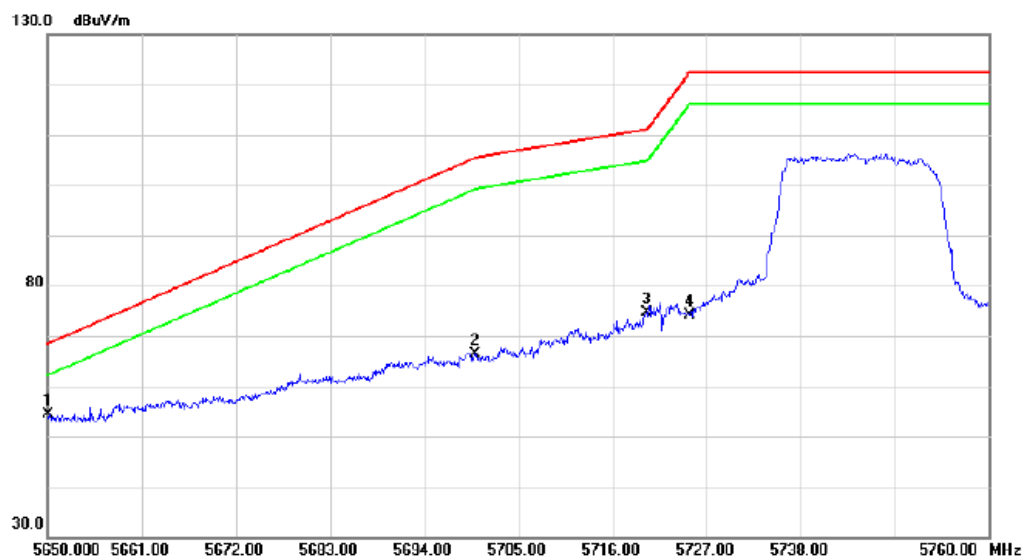
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	11490.000	40.78	7.76	48.54	74.00	-25.46	peak		

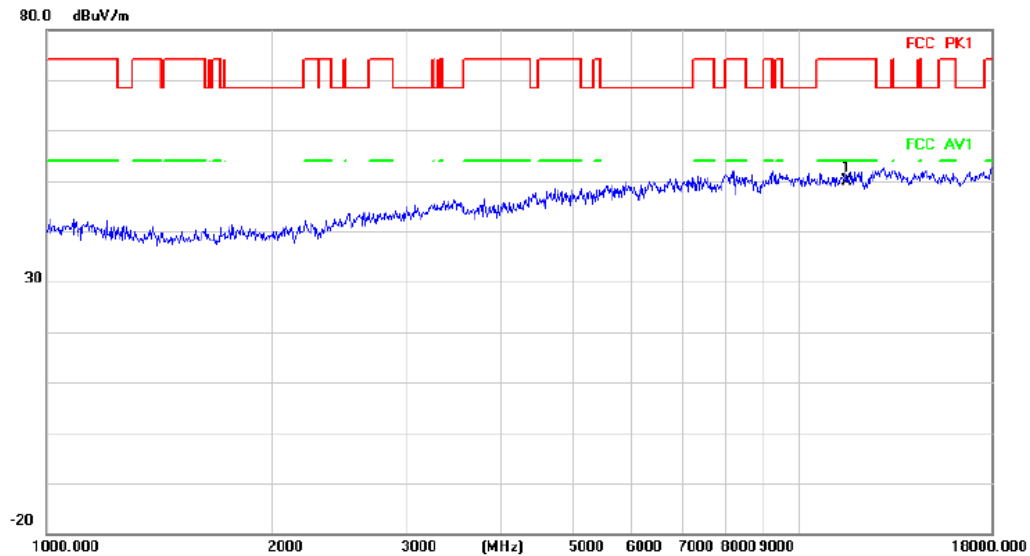
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	5650.000	48.57	5.72	54.29	68.20	-13.91	peak		
2		5700.000	60.32	6.00	66.32	105.20	-38.88	peak		
3		5720.000	68.70	5.82	74.52	110.80	-36.28	peak		
4		5725.000	68.39	5.78	74.17	122.20	-48.03	peak		

VERTICAL

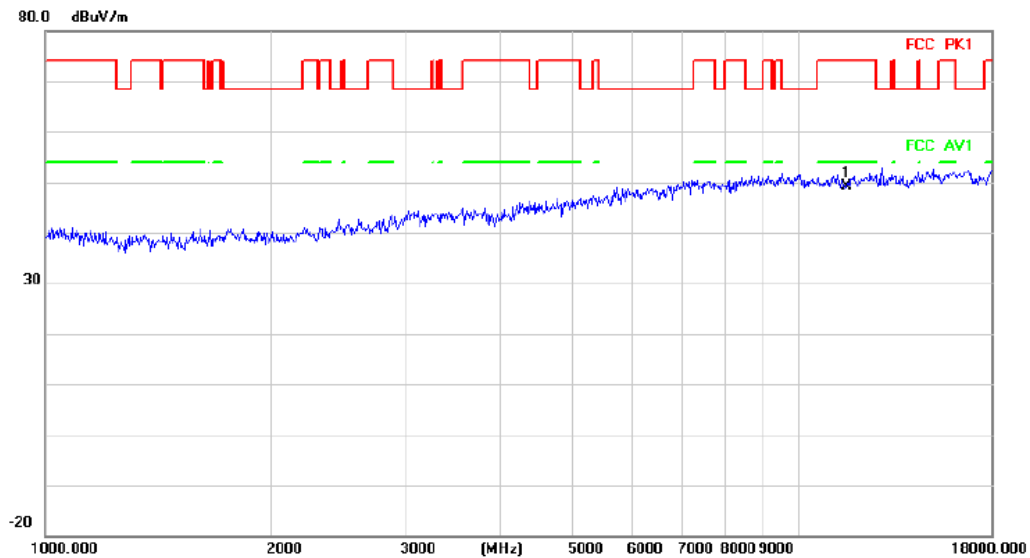
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	11570.000	42.37	7.60	49.97	74.00	-24.03	peak		

HORIZONTAL

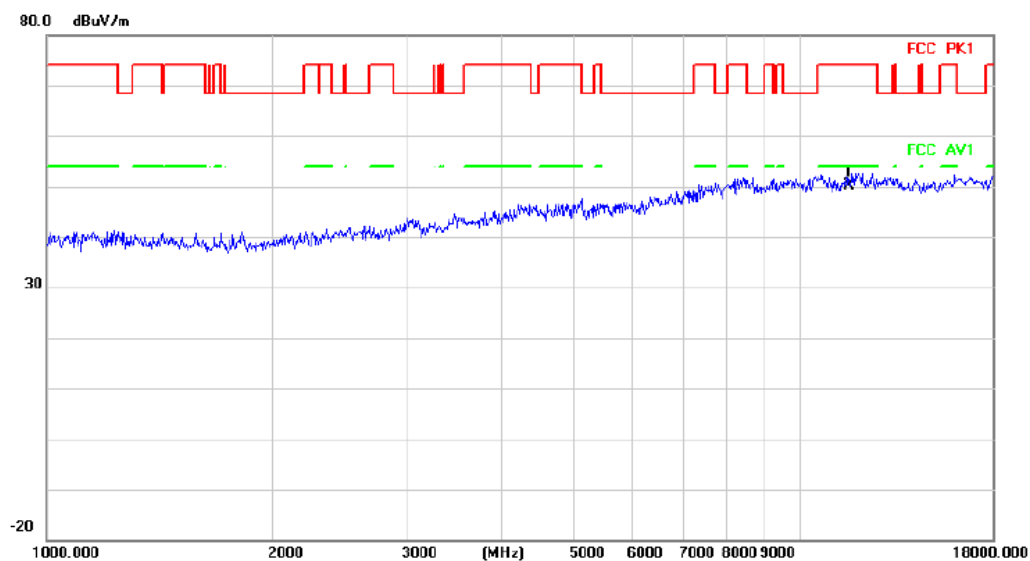
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	11570.000	41.63	7.60	49.23	74.00	-24.77	peak		

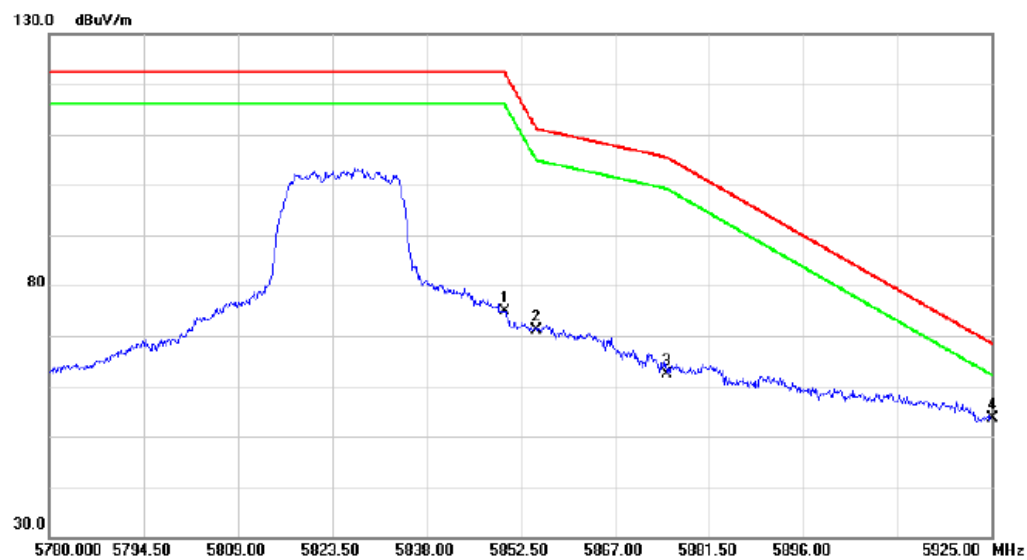
VERTICAL

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	11650.000	42.78	7.45	50.23	74.00	-23.77	peak		

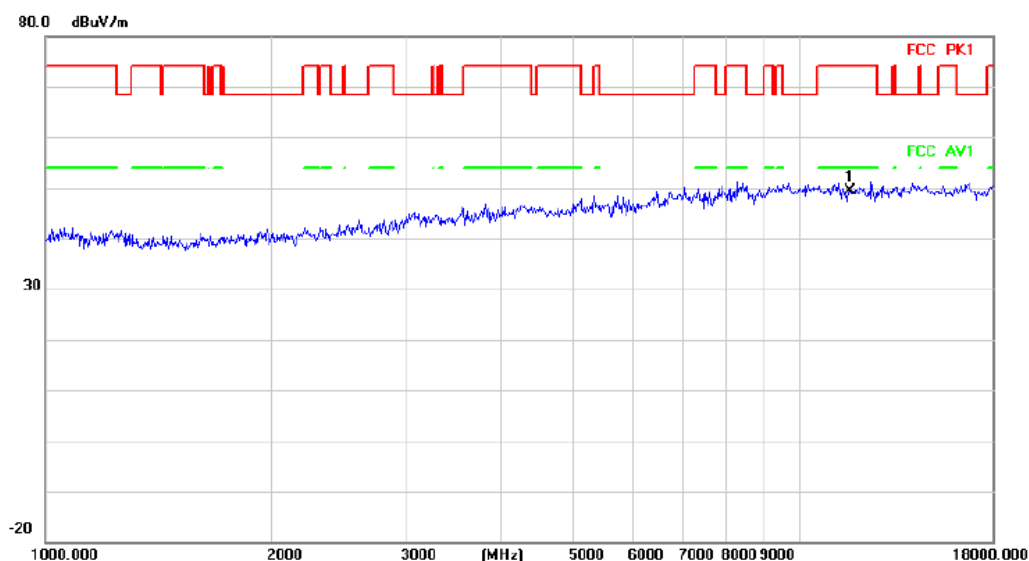
Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5850.000	68.21	6.79	75.00	122.20	-47.20	peak		
2		5855.000	64.33	6.72	71.05	110.80	-39.75	peak		
3		5875.000	55.98	6.46	62.44	105.20	-42.76	peak		
4	*	5925.000	47.24	6.46	53.70	68.20	-14.50	peak		

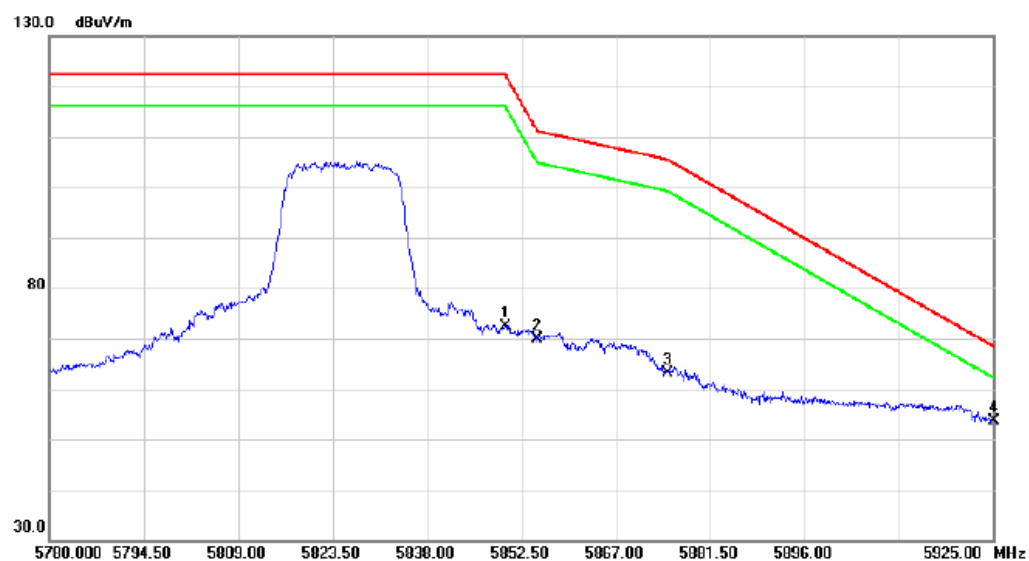
HORIZONTALA

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1	*	11650.000	42.03	7.45	49.48	74.00	-24.52	peak	

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		5850.000	65.52	6.79	72.31	122.20	-49.89	peak	
2		5855.000	63.09	6.72	69.81	110.80	-40.99	peak	
3		5875.000	56.56	6.46	63.02	105.20	-42.18	peak	
4	*	5925.000	47.05	6.46	53.51	68.20	-14.69	peak	

Note: The high frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit line was not recorded in this report.

3.3 Spectrum Bandwidth

3.3.1 Limit

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	26 dB Bandwidth	-	5150-5250
	26 dB Bandwidth	-	5250-5350
	26 dB Bandwidth	-	5470-5725
15.407(e)	26 dB Bandwidth	-	5725-5850
	6 dB Bandwidth	Minimum 500 kHz	5725-5850

3.3.2 Test Procedure

Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
●Lowest, Middle and Highest Channel	○ Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme
Note:●:Test ○:No Test	

a) The EUT was directly connected to the test system and antenna output port as show in the block diagram below.

b) the spectrum analyser is set as follow:

For 26 dB Bandwidth

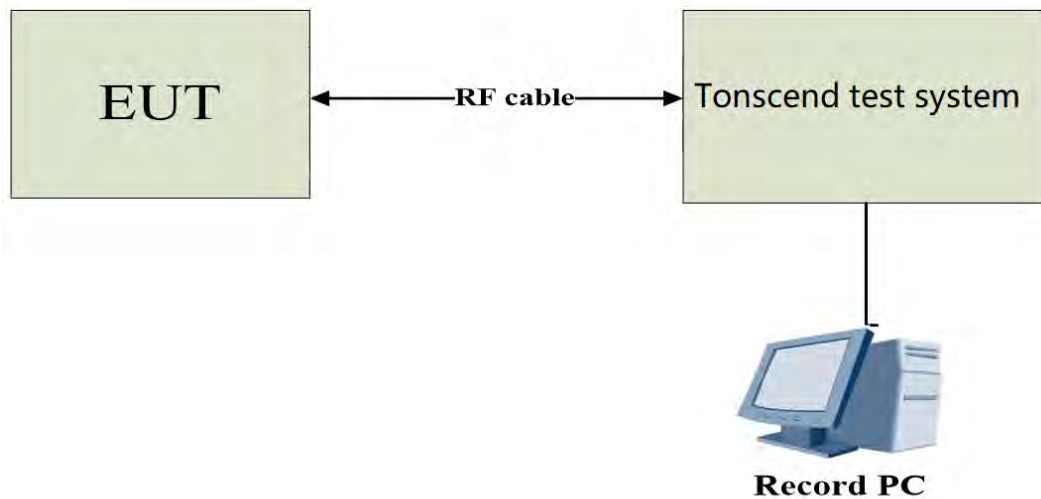
Centre Frequency	The centre frequency of the channel under test
RBW	$\geq 1\% \times \text{Nominal Channel Bandwidth}$
VBW	$\geq 3 \times \text{RBW}$
Frequency span	$2 \times \text{Nominal Channel Bandwidth}$
Detector Mode	Peak
Trace Mode	Max Hold
Sweep Time	Auto Couple

For 6 dB Bandwidth

Centre Frequency	The centre frequency of the channel under test
RBW	100 kHz
VBW	300 kHz
Frequency span	$2 \times \text{Nominal Channel Bandwidth}$
Detector Mode	Peak
Trace Mode	Max Hold
Sweep Time	Auto Couple

- c) Wait for the trace to stabilize then find the peak value of the trace and place the analyser marker on this peak.
- d) Use the -26/-6dB bandwidth function of the spectrum analyser to measure the -26/-6dB Bandwidth of the EUT. This value shall be recorded.
- e) Make sure that the power envelope is sufficiently above the noise floor of the analyser to avoid the noise signals left and right from the power envelope being taken into account by this measurement.

3.3.3 Test Setup

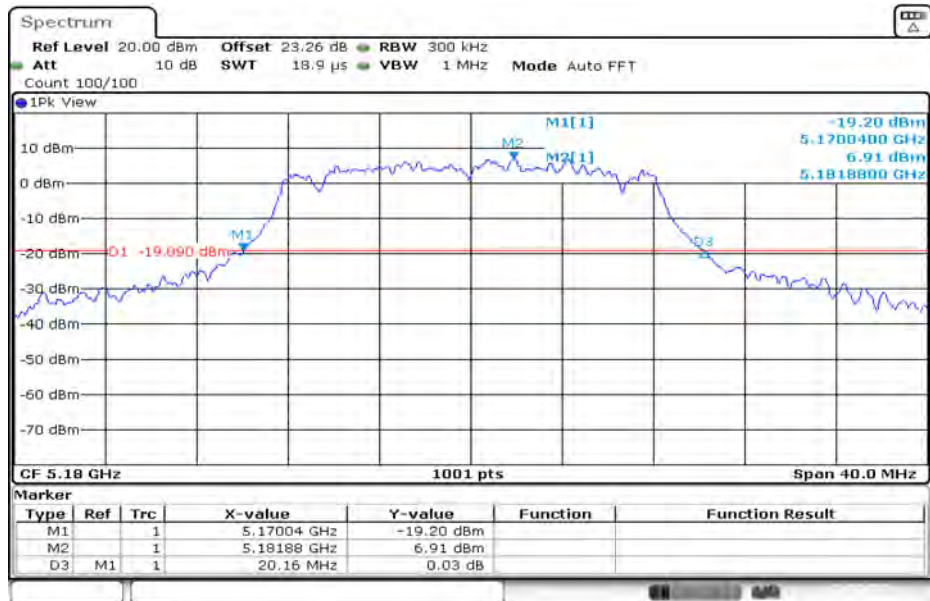


3.3.4 Test Result

26 dB Bandwidth

Test Mode	Antenna	Frequency [MHz]	26db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	20.16	5170.04	5190.20	---	---
11A	Ant1	5200	20.04	5189.84	5209.88	---	---
11A	Ant1	5240	20.32	5229.88	5250.20	---	---
11A	Ant1	5260	19.52	5250.08	5269.60	---	---
11A	Ant1	5280	19.76	5270.00	5289.76	---	---
11A	Ant1	5320	19.88	5310.00	5329.88	---	---
11A	Ant1	5500	19.76	5490.20	5509.96	---	---
11A	Ant1	5580	20.24	5569.80	5590.04	---	---
11A	Ant1	5700	20.36	5689.56	5709.92	---	---
11A	Ant1	5745	19.72	5735.40	5755.12	---	---
11A	Ant1	5785	20.96	5774.72	5795.68	---	---
11A	Ant1	5825	20.44	5815.32	5835.76	---	---
11N20SISO	Ant1	5180	21.56	5169.08	5190.64	---	---
11N20SISO	Ant1	5200	22.64	5189.52	5212.16	---	---
11N20SISO	Ant1	5240	21.32	5229.36	5250.68	---	---
11N20SISO	Ant1	5260	22.68	5249.20	5271.88	---	---
11N20SISO	Ant1	5280	21.76	5269.00	5290.76	---	---
11N20SISO	Ant1	5320	21.72	5309.08	5330.80	---	---
11N20SISO	Ant1	5500	22.72	5489.28	5512.00	---	---
11N20SISO	Ant1	5580	21.36	5569.28	5590.64	---	---
11N20SISO	Ant1	5700	23.00	5687.80	5710.80	---	---
11N20SISO	Ant1	5745	23.28	5734.08	5757.36	---	---
11N20SISO	Ant1	5785	21.96	5773.96	5795.92	---	---
11N20SISO	Ant1	5825	21.44	5814.08	5835.52	---	---
11AC20SISO	Ant1	5180	20.96	5169.24	5190.20	---	---
11AC20SISO	Ant1	5200	21.16	5189.24	5210.40	---	---
11AC20SISO	Ant1	5240	21.08	5229.60	5250.68	---	---
11AC20SISO	Ant1	5260	20.96	5249.24	5270.20	---	---
11AC20SISO	Ant1	5280	21.00	5269.68	5290.68	---	---
11AC20SISO	Ant1	5320	20.64	5309.80	5330.44	---	---
11AC20SISO	Ant1	5500	21.20	5489.60	5510.80	---	---
11AC20SISO	Ant1	5580	21.40	5569.52	5590.92	---	---
11AC20SISO	Ant1	5700	20.72	5689.72	5710.44	---	---
11AC20SISO	Ant1	5745	21.20	5734.80	5756.00	---	---
11AC20SISO	Ant1	5785	21.60	5773.84	5795.44	---	---
11AC20SISO	Ant1	5825	20.76	5814.44	5835.20	---	---
11AX20SISO	Ant1	5180	21.28	5169.24	5190.52	---	---
11AX20SISO	Ant1	5200	21.84	5188.84	5210.68	---	---
11AX20SISO	Ant1	5240	21.12	5229.92	5251.04	---	---
11AX20SISO	Ant1	5260	20.68	5249.64	5270.32	---	---

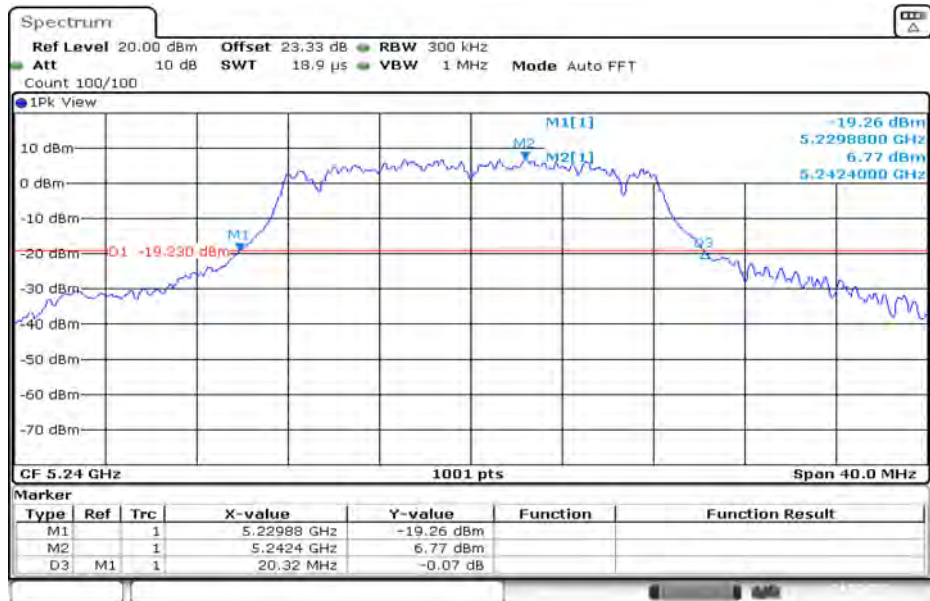
11AX20SISO	Ant1	5280	21.44	5269.36	5290.80	---	---
11AX20SISO	Ant1	5320	21.76	5308.92	5330.68	---	---
11AX20SISO	Ant1	5500	21.88	5489.08	5510.96	---	---
11AX20SISO	Ant1	5580	21.48	5568.88	5590.36	---	---
11AX20SISO	Ant1	5700	21.72	5688.96	5710.68	---	---
11AX20SISO	Ant1	5745	21.36	5734.52	5755.88	---	---
11AX20SISO	Ant1	5785	21.84	5773.88	5795.72	---	---
11AX20SISO	Ant1	5825	20.92	5814.80	5835.72	---	---



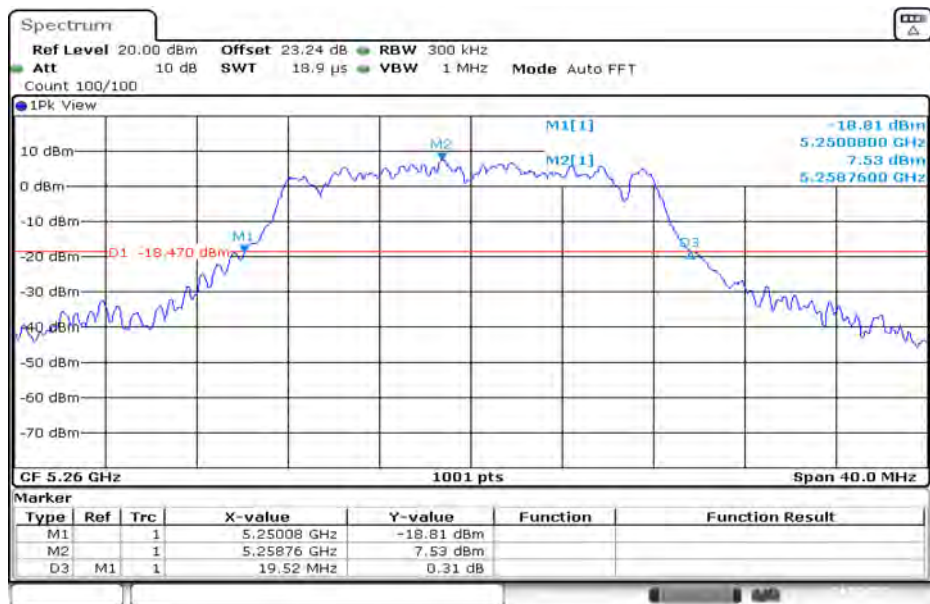
11A-Ant1-5180



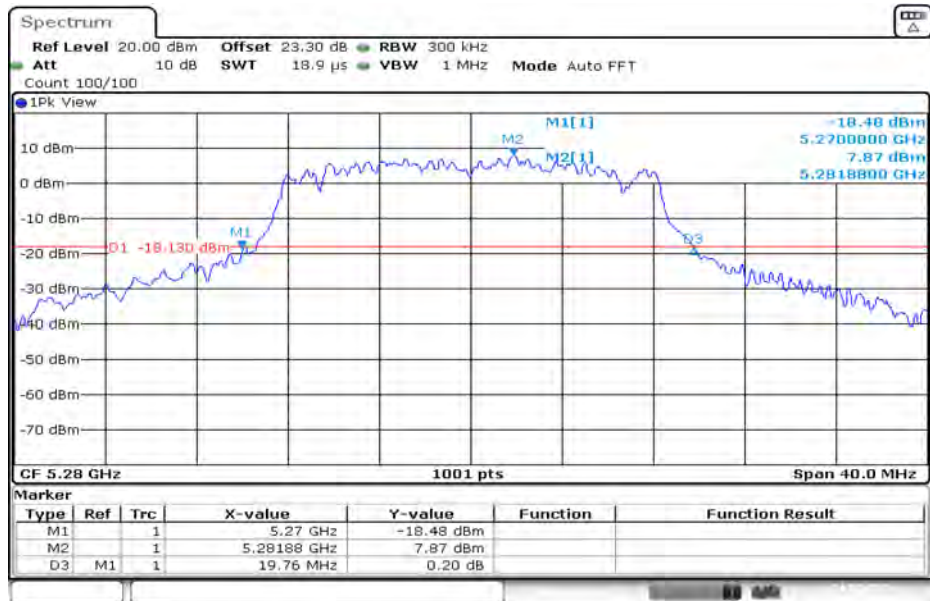
11A-Ant1-5200



11A-Ant1-5240



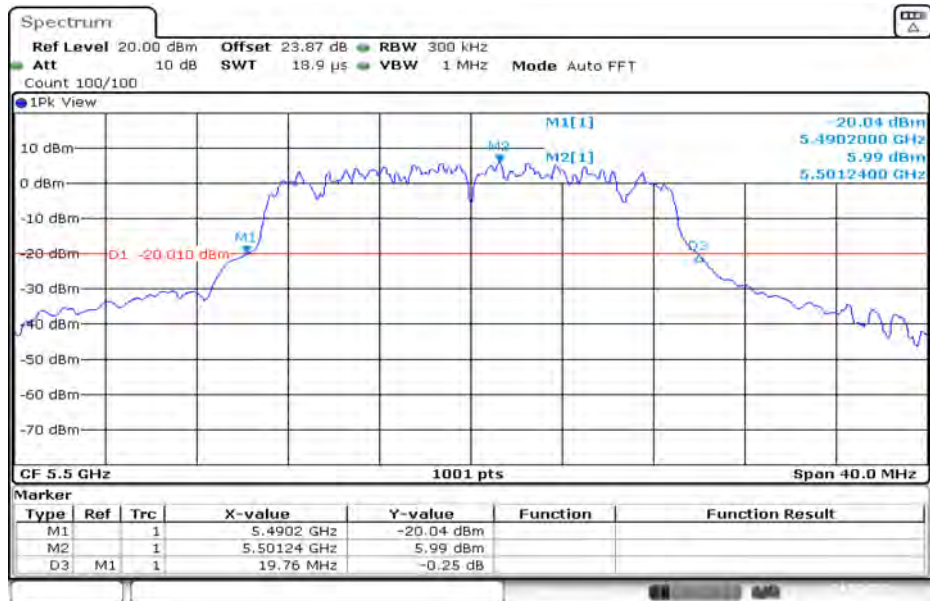
11A-Ant1-5260



11A-Ant1-5280



11A-Ant1-5320



11A-Ant1-5500



11A-Ant1-5580



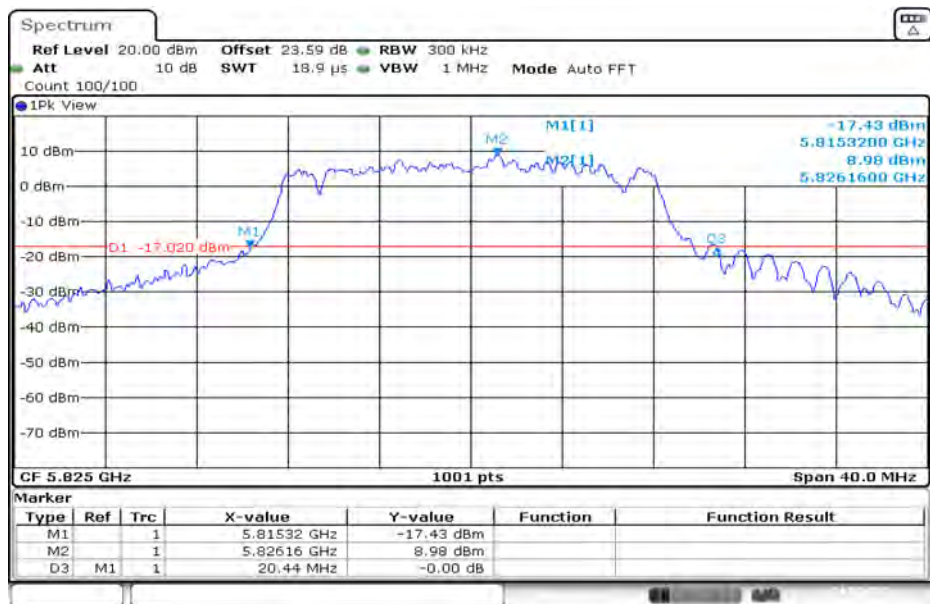
11A-Ant1-5700



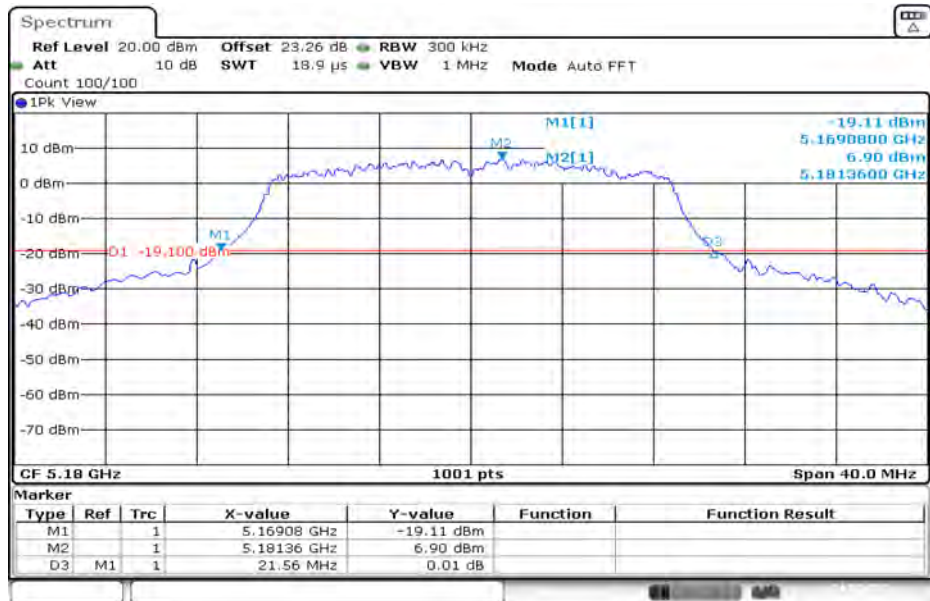
11A-Ant1-5745



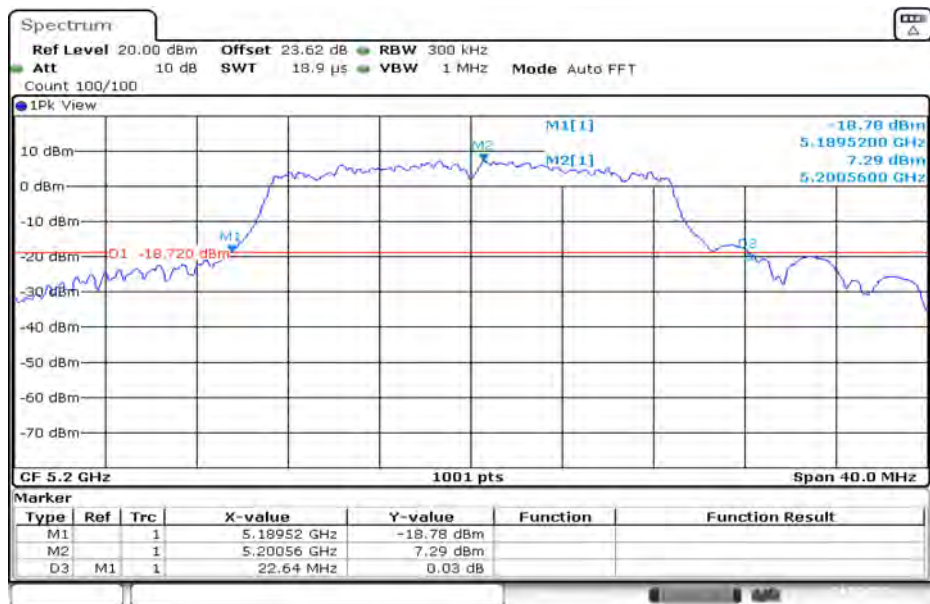
11A-Ant1-5785



11A-Ant1-5825



11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



11N20SISO-Ant1-5240



11N20SISO-Ant1-5260



11N20SISO-Ant1-5280



11N20SISO-Ant1-5320



11N20SISO-Ant1-5500



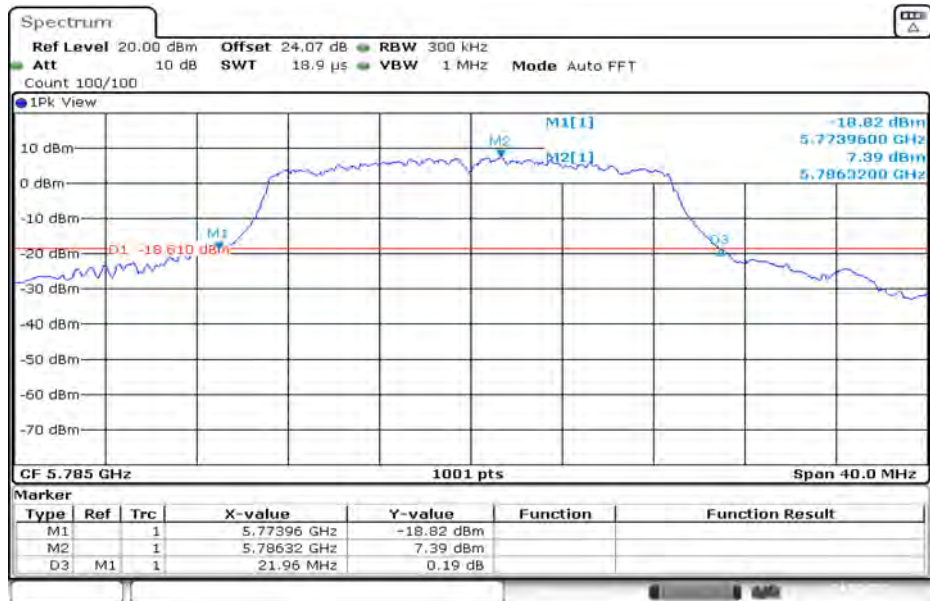
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11N20SISO-Ant1-5700



11N20SISO-Ant1-5745



11N20SISO-Ant1-5785



11N20SISO-Ant1-5825



11AC20SISO-Ant1-5180



11AC20SISO-Ant1-5200



11AC20SISO-Ant1-5240



11AC20SISO-Ant1-5260



11AC20SISO-Ant1-5280



11AC20SISO-Ant1-5320



11AC20SISO-Ant1-5500



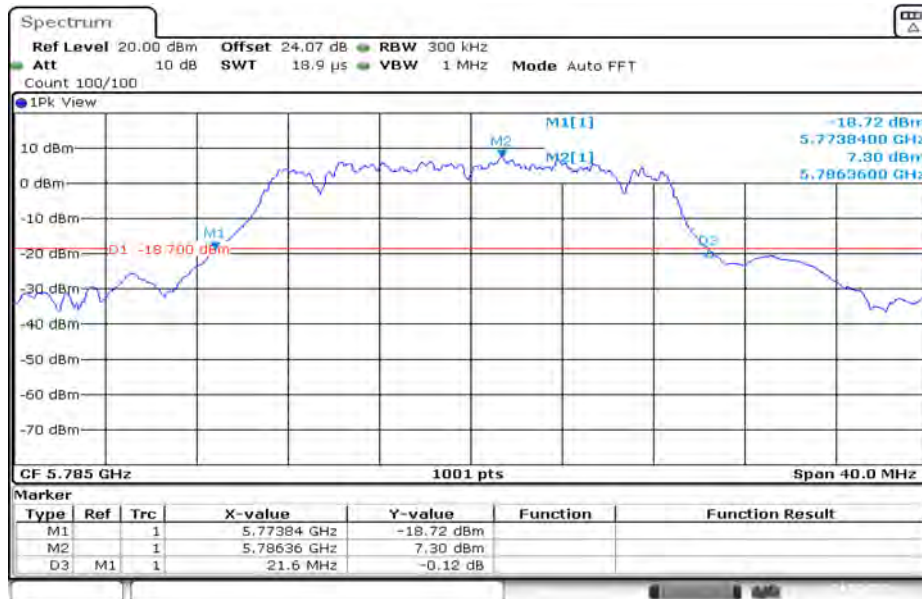
11AC20SISO-Ant1-5580



11AC20SISO-Ant1-5700



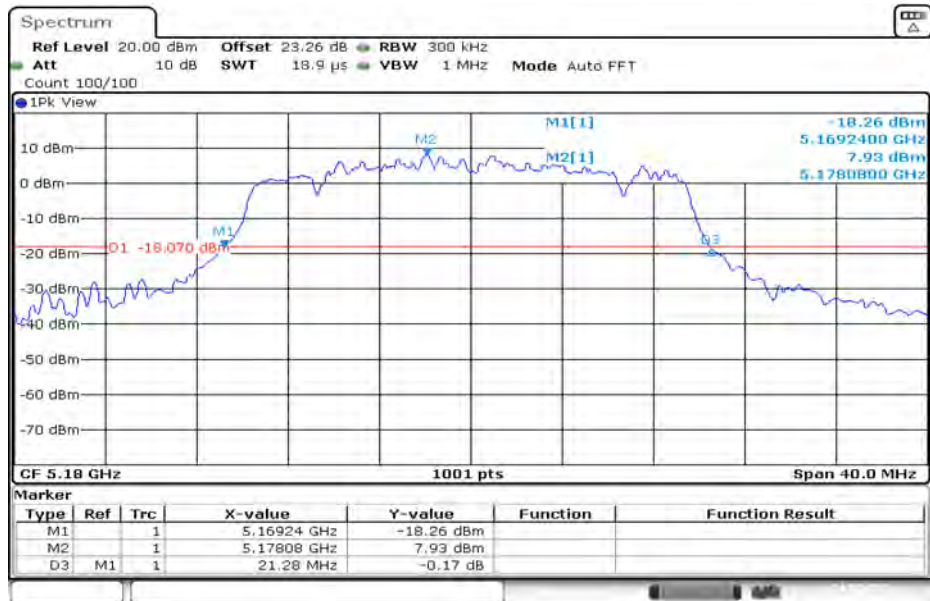
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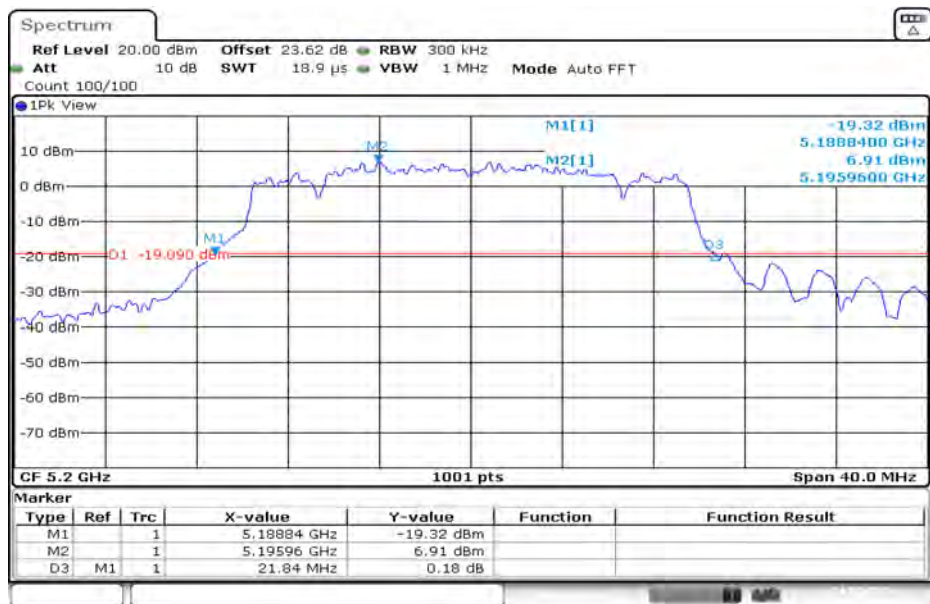
11AC20SISO-Ant1-5785



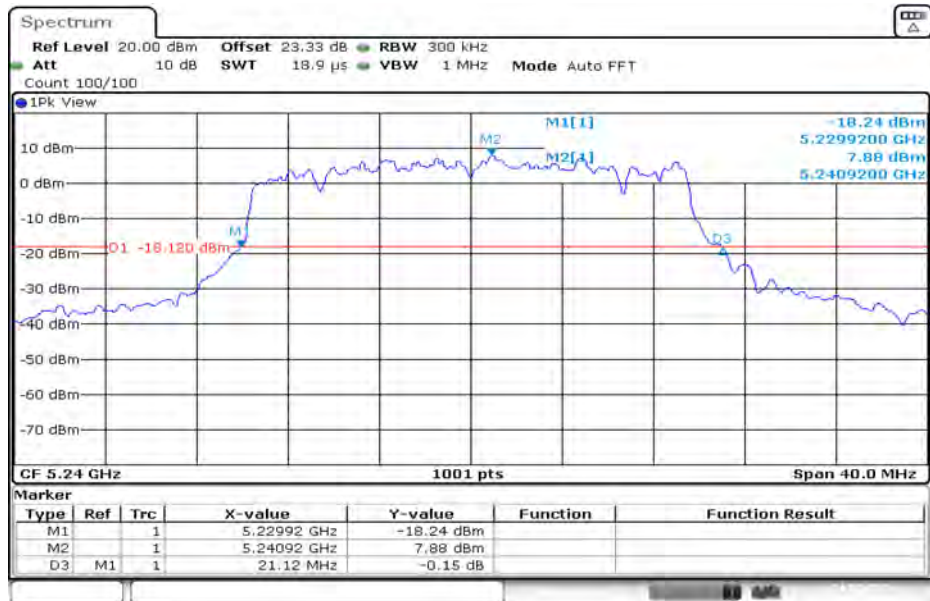
11AC20SISO-Ant1-5825



11AX20SISO-Ant1-5180



11AX20SISO-Ant1-5200



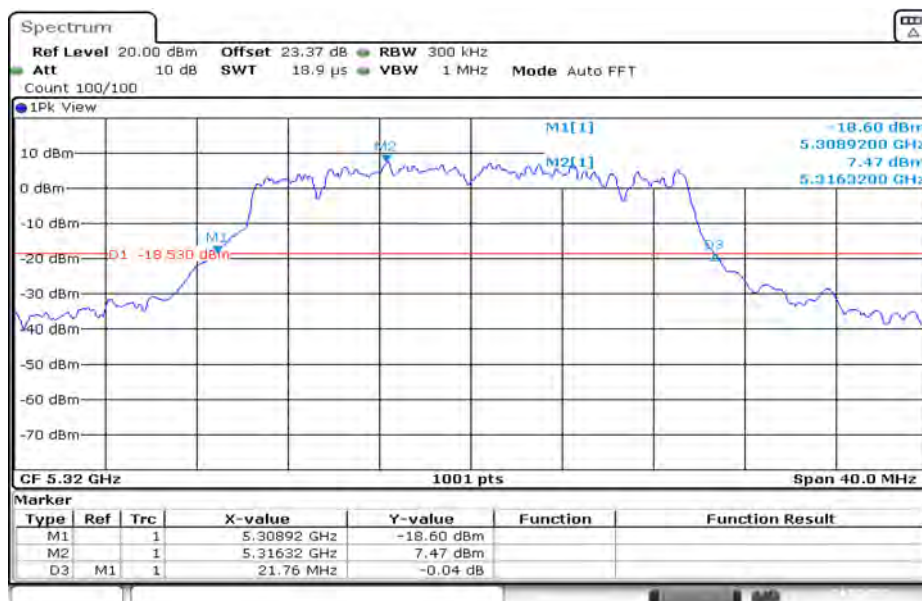
11AX20SISO-Ant1-5240



11AX20SISO-Ant1-5260



11AX20SISO-Ant1-5280



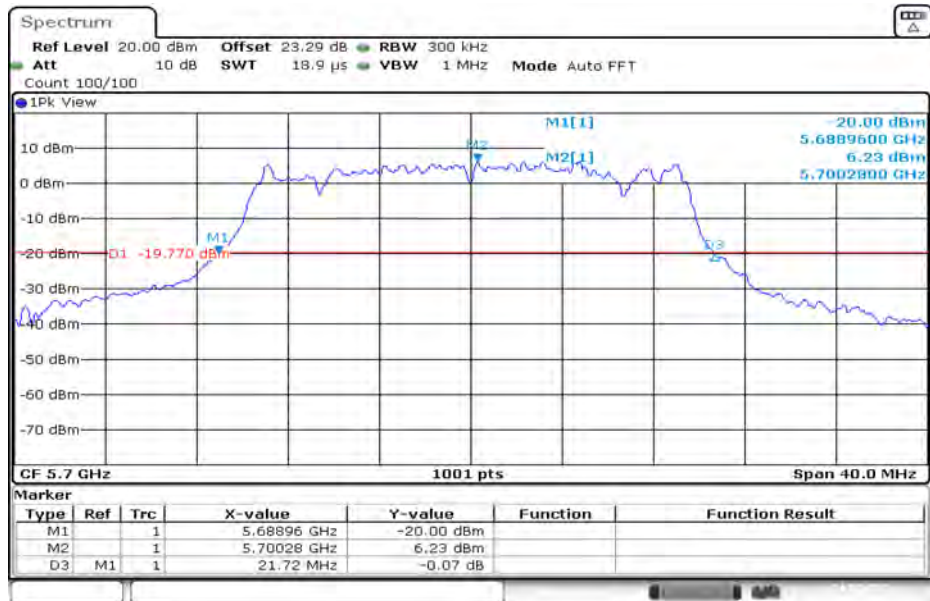
11AX20SISO-Ant1-5320



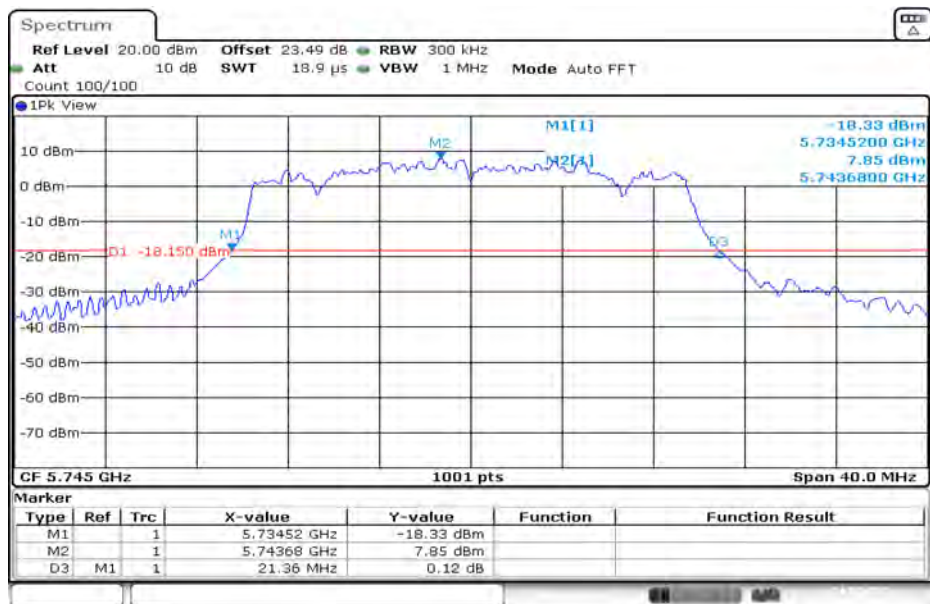
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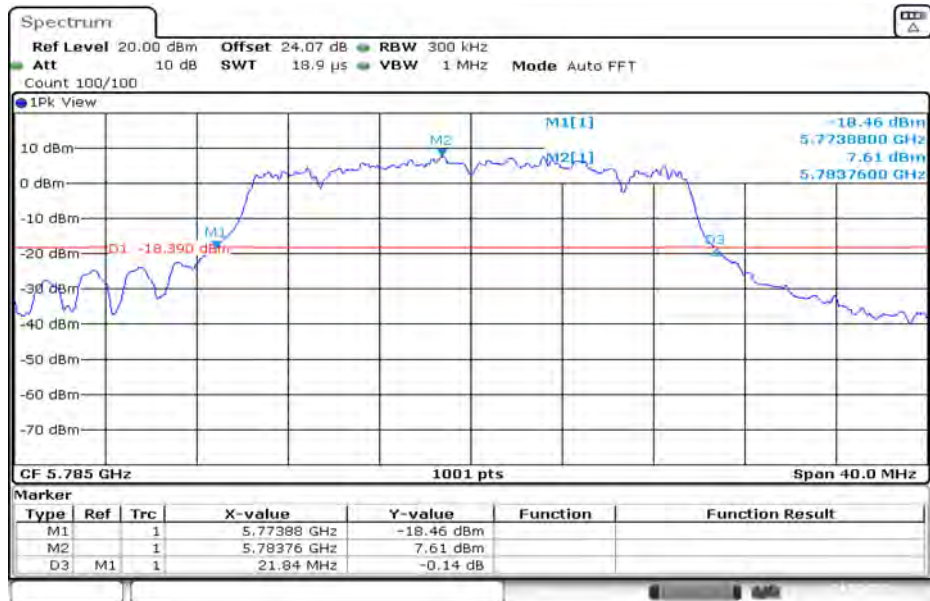
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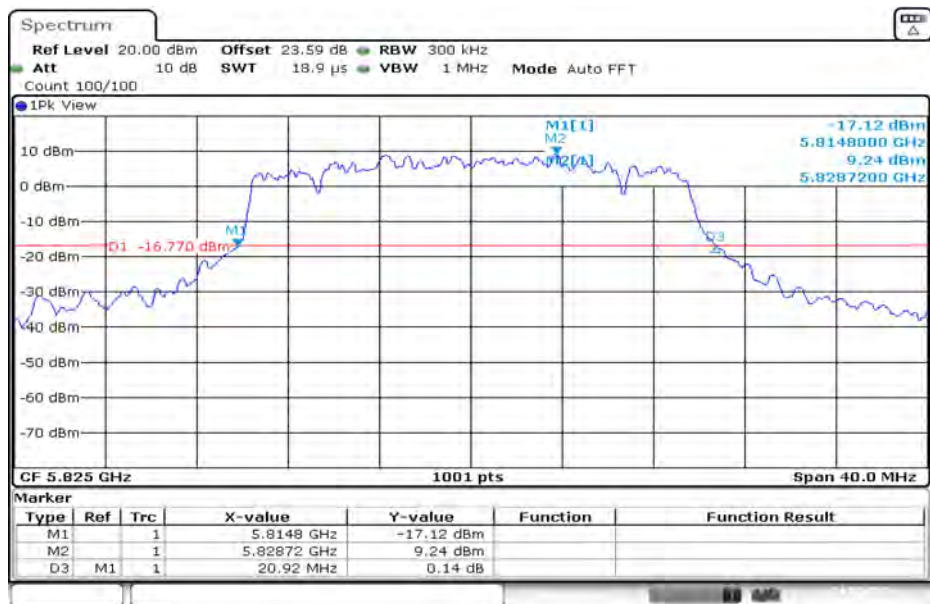
11AX20SISO-Ant1-5700



11AX20SISO-Ant1-5745



11AX20SISO-Ant1-5785

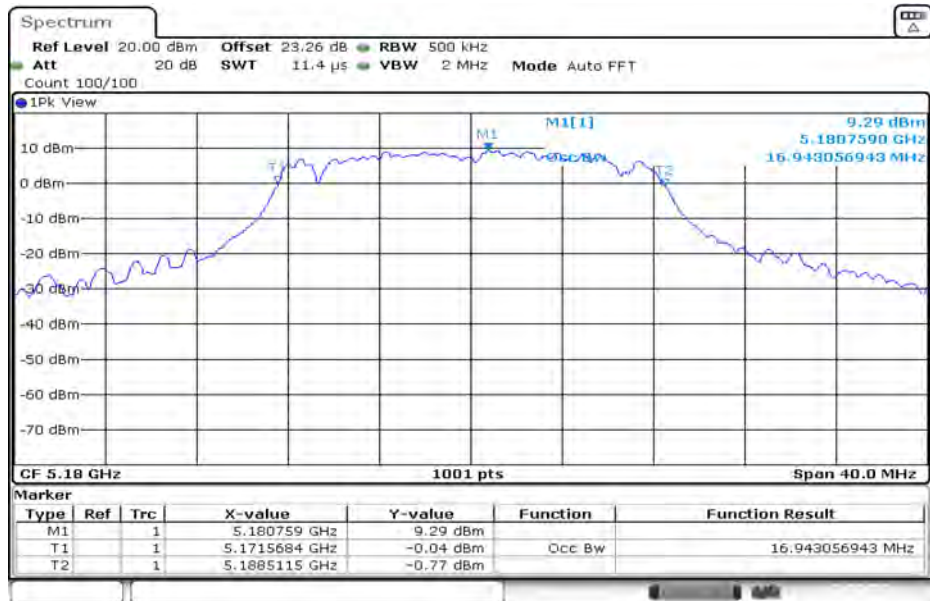


11AX20SISO-Ant1-5825

Occupied channel bandwidth

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	16.943	5171.5684	5188.5115	---	---
11A	Ant1	5200	16.743	5191.6883	5208.4316	---	---
11A	Ant1	5240	16.424	5231.7682	5248.1918	---	---
11A	Ant1	5260	16.424	5251.6883	5268.1119	---	---
11A	Ant1	5280	16.344	5271.7682	5288.1119	---	---
11A	Ant1	5320	16.703	5311.8881	5328.5914	---	---
11A	Ant1	5500	16.424	5491.6883	5508.1119	---	---
11A	Ant1	5580	16.424	5571.8082	5588.2318	---	---
11A	Ant1	5700	17.143	5691.7283	5708.8711	---	---
11A	Ant1	5745	16.144	5736.7682	5752.9121	---	---
11A	Ant1	5785	16.783	5776.4086	5793.1918	---	---
11A	Ant1	5825	16.743	5816.7283	5833.4715	---	---
11N20SISO	Ant1	5180	18.102	5170.8891	5188.9910	---	---
11N20SISO	Ant1	5200	17.742	5191.0889	5208.8312	---	---
11N20SISO	Ant1	5240	17.862	5231.0090	5248.8711	---	---
11N20SISO	Ant1	5260	17.862	5251.0090	5268.8711	---	---
11N20SISO	Ant1	5280	18.022	5271.0490	5289.0709	---	---
11N20SISO	Ant1	5320	17.782	5311.1688	5328.9510	---	---
11N20SISO	Ant1	5500	18.022	5490.8891	5508.9111	---	---
11N20SISO	Ant1	5580	18.062	5571.0889	5589.1508	---	---
11N20SISO	Ant1	5700	17.822	5691.0090	5708.8312	---	---
11N20SISO	Ant1	5745	17.662	5736.1688	5753.8312	---	---
11N20SISO	Ant1	5785	18.222	5775.8891	5794.1109	---	---
11N20SISO	Ant1	5825	17.582	5816.2088	5833.7912	---	---
11AC20SISO	Ant1	5180	17.782	5171.0889	5188.8711	---	---
11AC20SISO	Ant1	5200	17.982	5190.8891	5208.8711	---	---
11AC20SISO	Ant1	5240	17.822	5231.0490	5248.8711	---	---
11AC20SISO	Ant1	5260	17.622	5251.2088	5268.8312	---	---
11AC20SISO	Ant1	5280	17.662	5271.1289	5288.7912	---	---
11AC20SISO	Ant1	5320	17.622	5311.1289	5328.7512	---	---
11AC20SISO	Ant1	5500	17.742	5491.2088	5508.9510	---	---
11AC20SISO	Ant1	5580	17.742	5571.1688	5588.9111	---	---
11AC20SISO	Ant1	5700	17.582	5691.2488	5708.8312	---	---
11AC20SISO	Ant1	5745	17.542	5736.1688	5753.7113	---	---
11AC20SISO	Ant1	5785	17.542	5776.2488	5793.7912	---	---
11AC20SISO	Ant1	5825	17.622	5816.2887	5833.9111	---	---
11AX20SISO	Ant1	5180	19.101	5170.6094	5189.7103	---	---
11AX20SISO	Ant1	5200	18.781	5190.6094	5209.3906	---	---
11AX20SISO	Ant1	5240	18.581	5230.8891	5249.4705	---	---
11AX20SISO	Ant1	5260	18.661	5250.7692	5269.4306	---	---

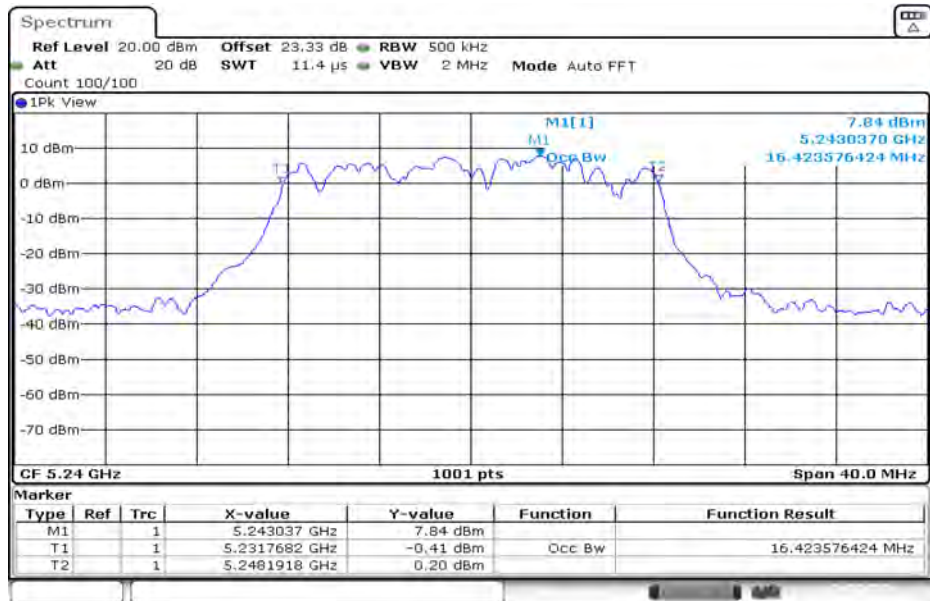
11AX20SISO	Ant1	5280	18.821	5270.6094	5289.4306	---	---
11AX20SISO	Ant1	5320	19.021	5310.3696	5329.3906	---	---
11AX20SISO	Ant1	5500	18.861	5490.6094	5509.4705	---	---
11AX20SISO	Ant1	5580	19.141	5570.2897	5589.4306	---	---
11AX20SISO	Ant1	5700	18.581	5690.7293	5709.3107	---	---
11AX20SISO	Ant1	5745	18.741	5735.6494	5754.3906	---	---
11AX20SISO	Ant1	5785	18.781	5775.6893	5794.4705	---	---
11AX20SISO	Ant1	5825	18.861	5815.4895	5834.3506	---	---



11A-Ant1-5180



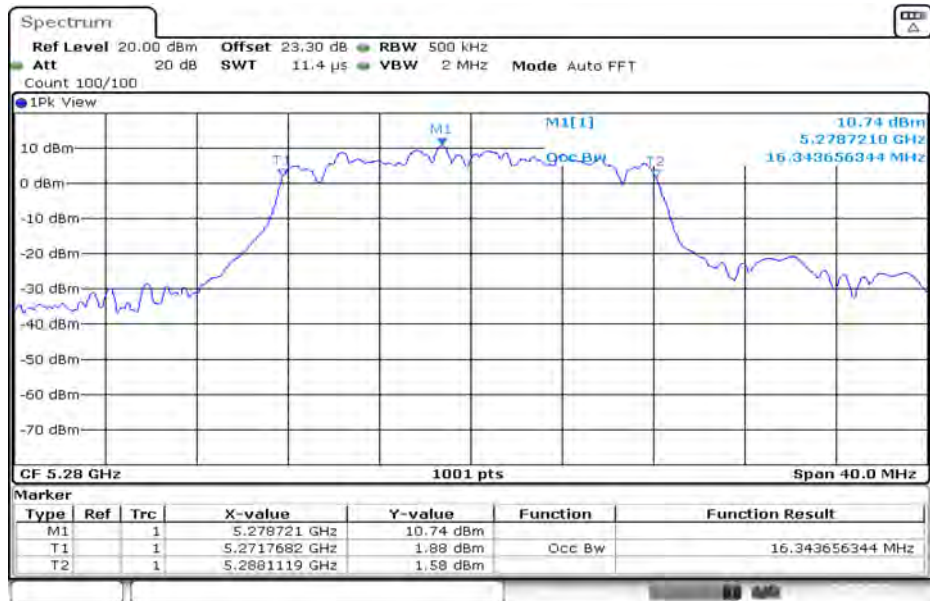
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11A-Ant1-5240



11A-Ant1-5260



11A-Ant1-5280



11A-Ant1-5320



11A-Ant1-5500



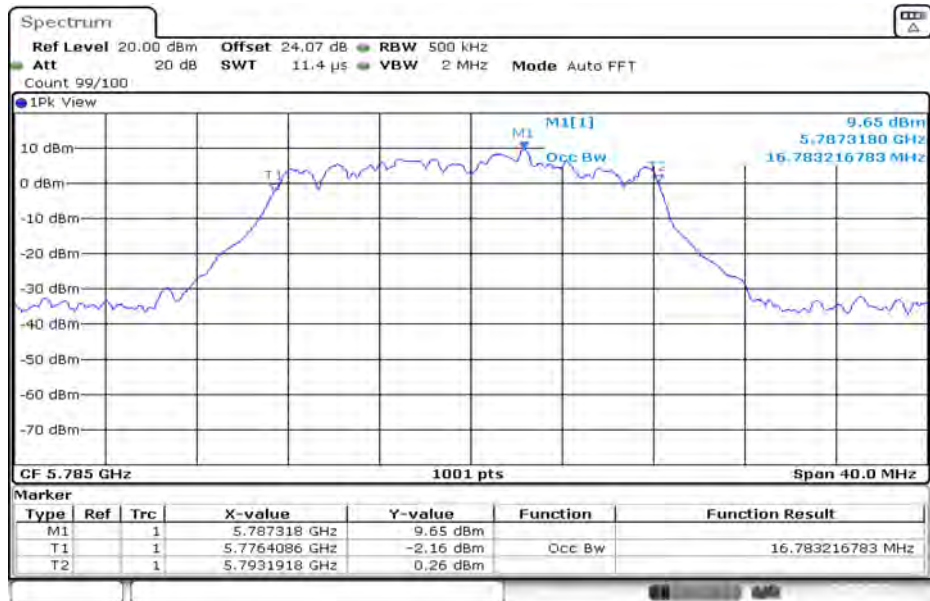
11A-Ant1-5580



11A-Ant1-5700



11A-Ant1-5745



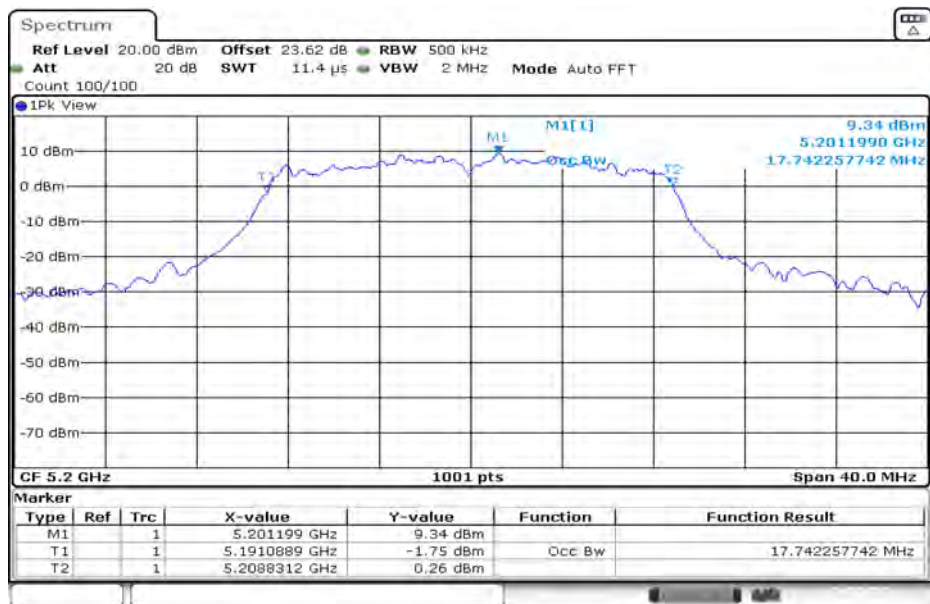
11A-Ant1-5785



11A-Ant1-5825



11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



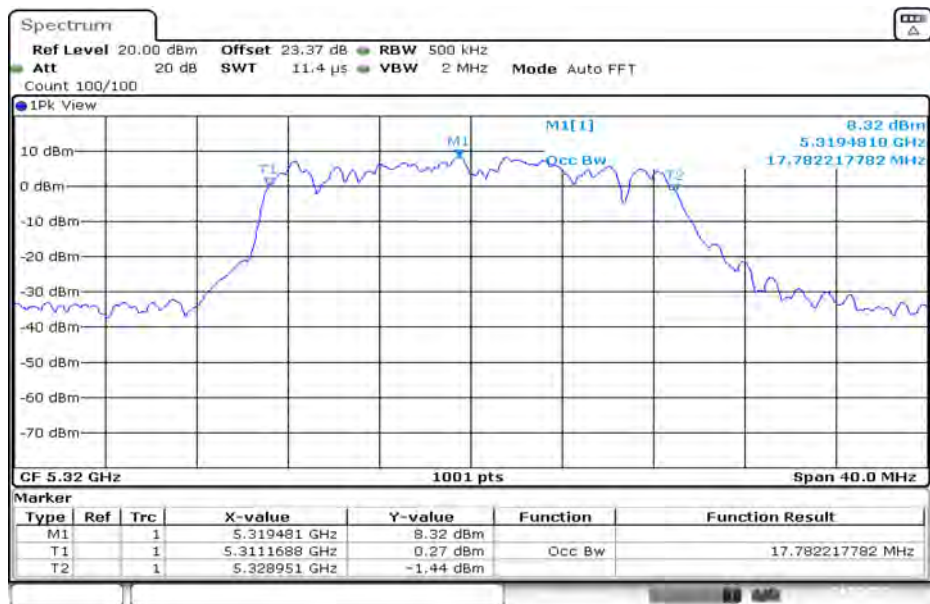
11N20SISO-Ant1-5240



11N20SISO-Ant1-5260



11N20SISO-Ant1-5280



11N20SISO-Ant1-5320



11N20SISO-Ant1-5500



11N20SISO-Ant1-5580



11N20SISO-Ant1-5700



11N20SISO-Ant1-5745



11N20SISO-Ant1-5785



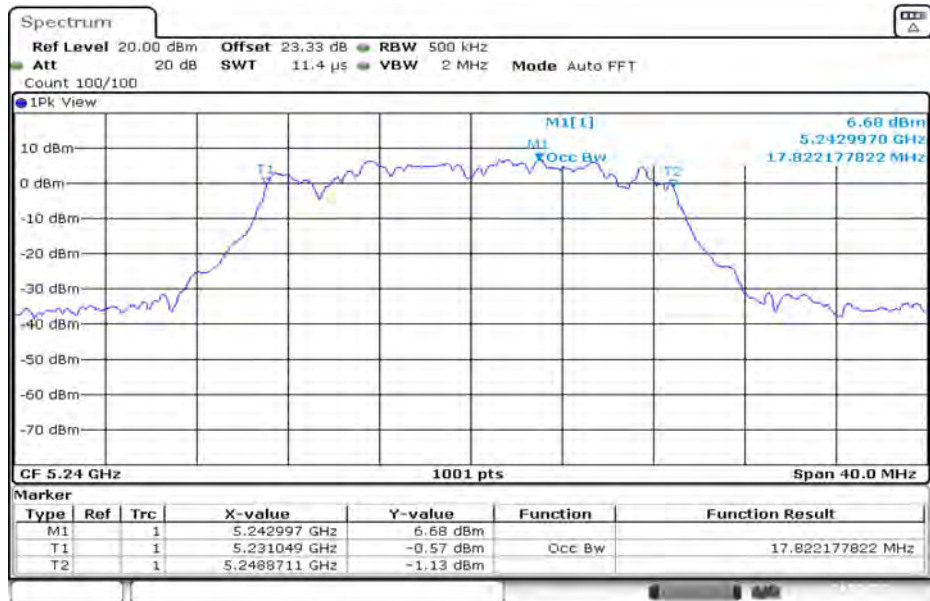
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11AC20SISO-Ant1-5180



11AC20SISO-Ant1-5200



11AC20SISO-Ant1-5240



11AC20SISO-Ant1-5260



11AC20SISO-Ant1-5280



11AC20SISO-Ant1-5320



11AC20SISO-Ant1-5500



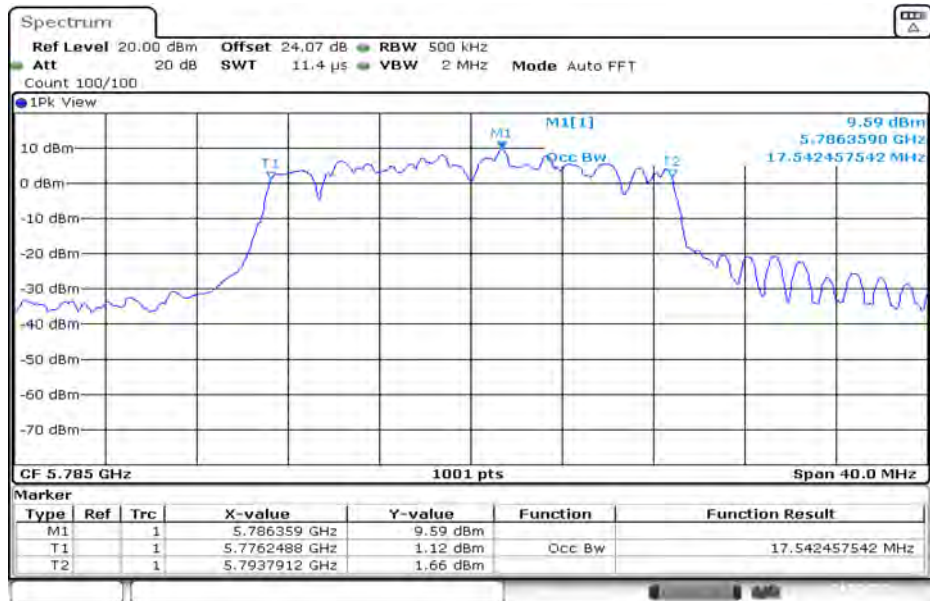
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11AC20SISO-Ant1-5700



11AC20SISO-Ant1-5745



11AC20SISO-Ant1-5785



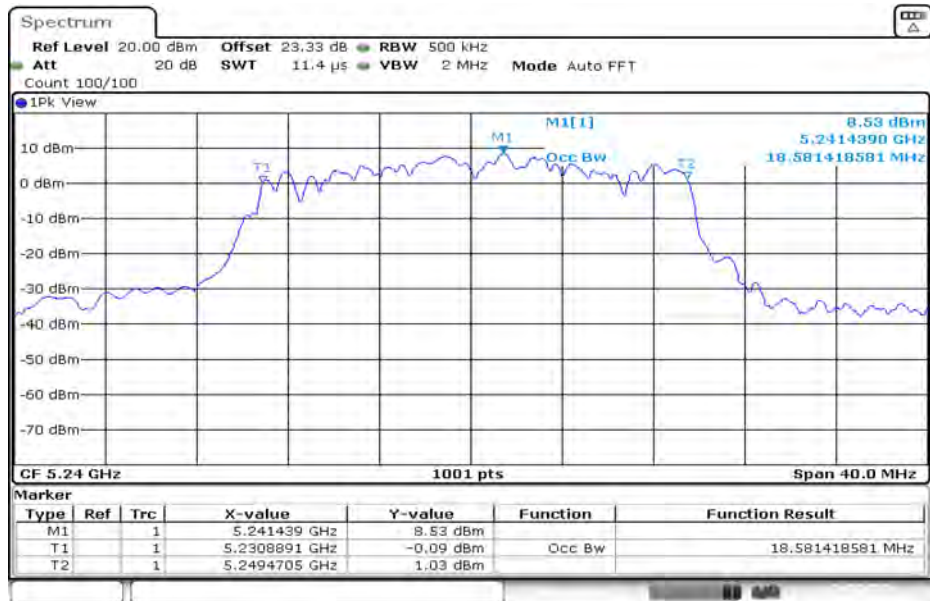
11AC20SISO-Ant1-5825



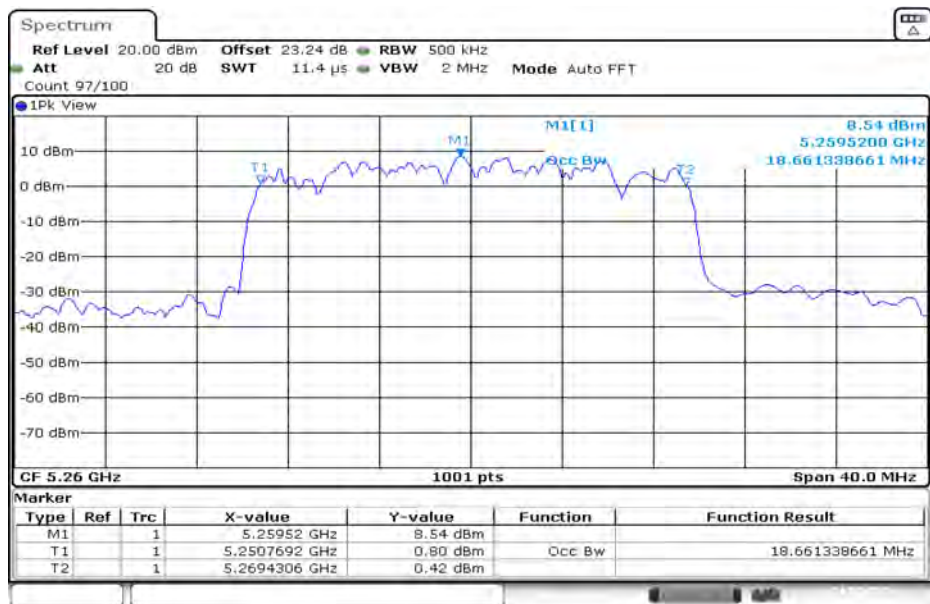
11AX20SISO-Ant1-5180



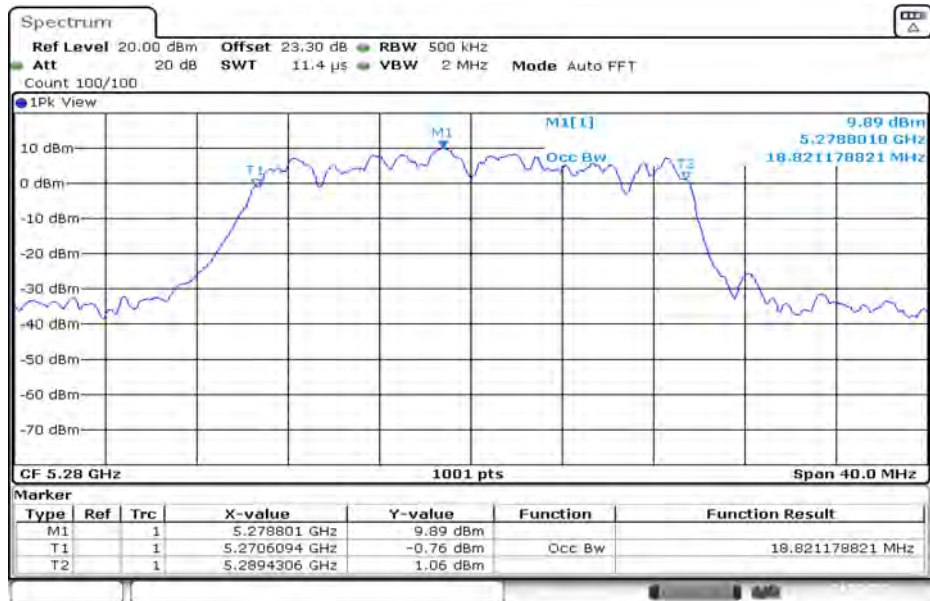
11AX20SISO-Ant1-5200



11AX20SISO-Ant1-5240



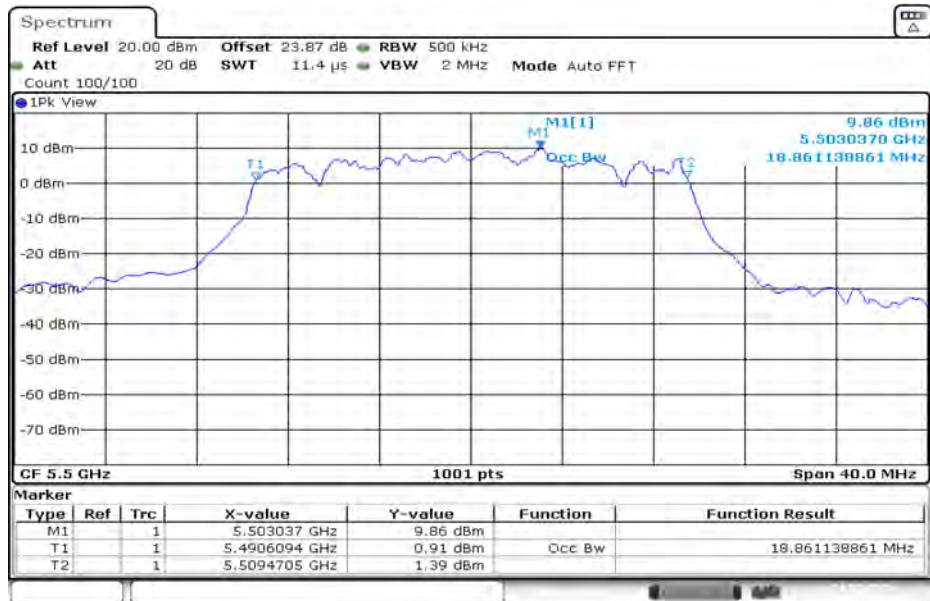
11AX20SISO-Ant1-5260



11AX20SISO-Ant1-5280



11AX20SISO-Ant1-5320



11AX20SISO-Ant1-5500



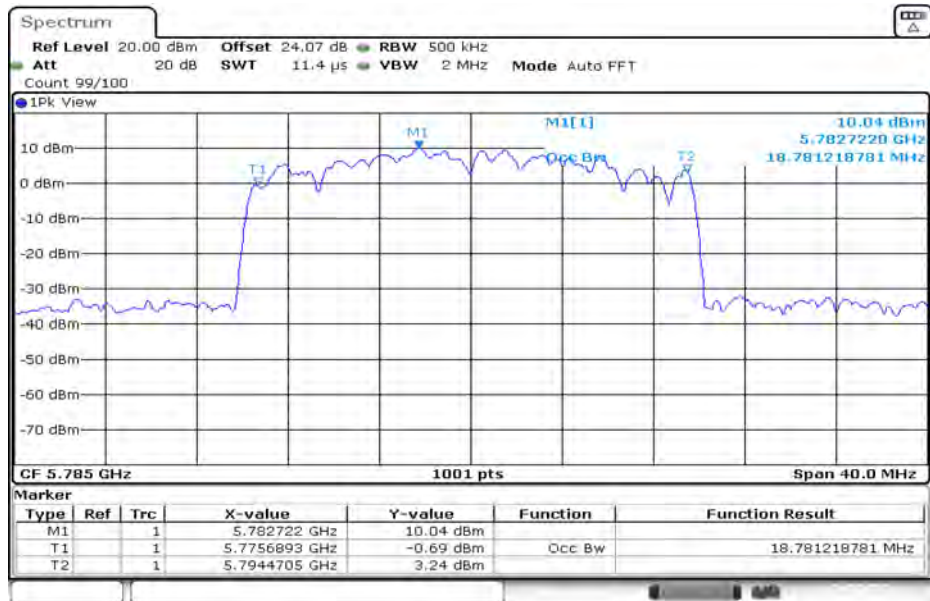
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11AX20SISO-Ant1-5700



11AX20SISO-Ant1-5745



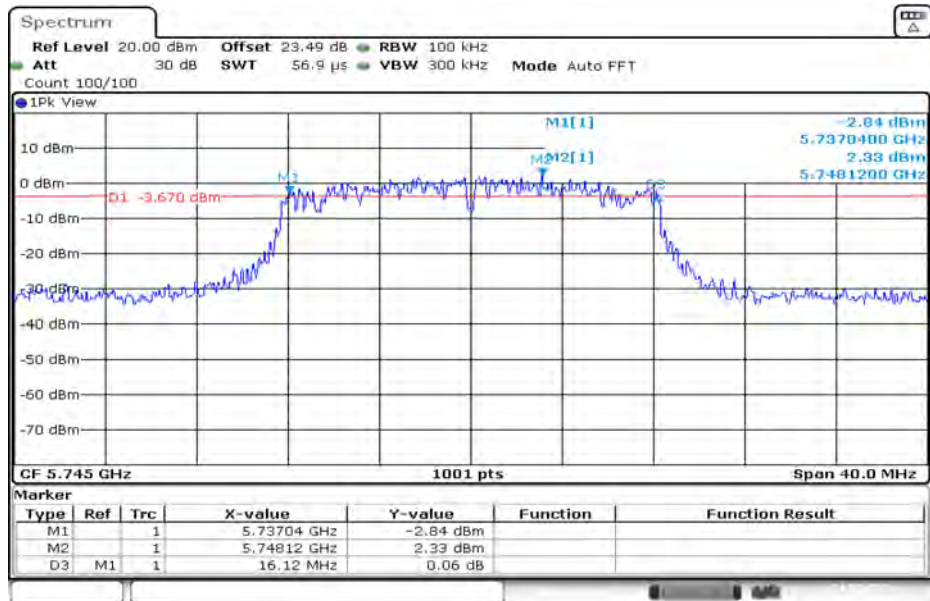
11AX20SISO-Ant1-5785



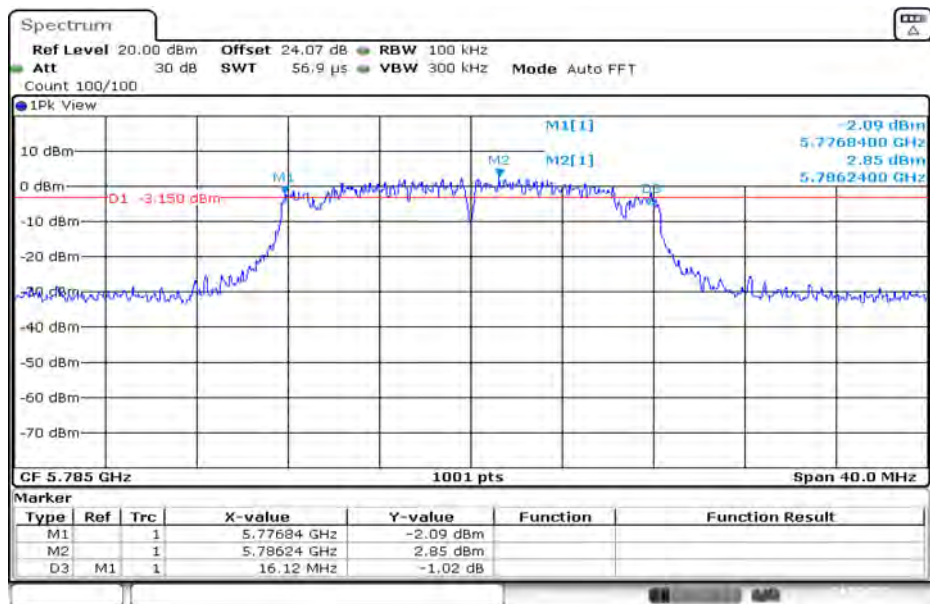
11AX20SISO-Ant1-5825

Min emission bandwidth

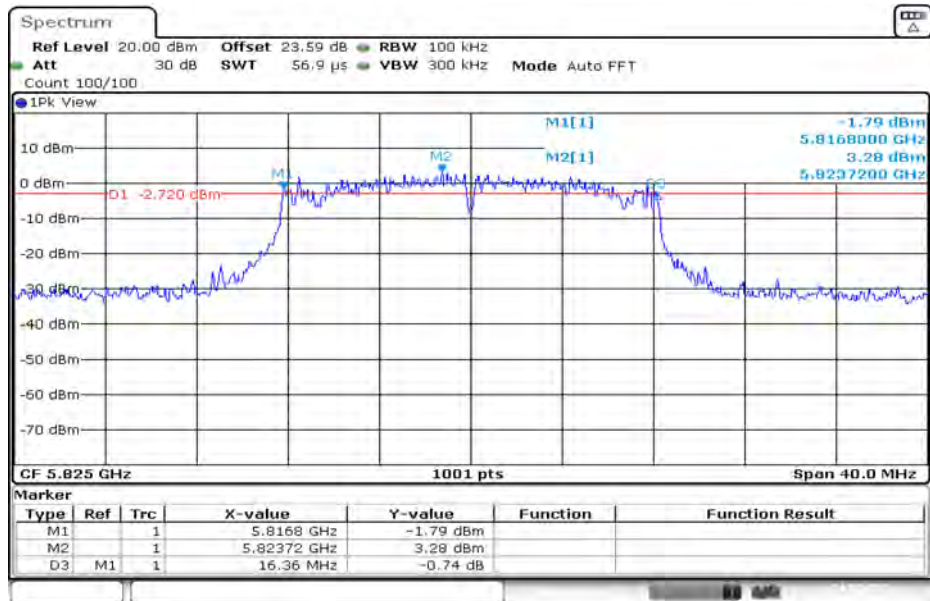
Test Mode	Antenna	Frequency [MHz]	6db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	16.12	5737.04	5753.16	0.5	PASS
11A	Ant1	5785	16.12	5776.84	5792.96	0.5	PASS
11A	Ant1	5825	16.36	5816.80	5833.16	0.5	PASS
11N20SISO	Ant1	5745	17.60	5736.16	5753.76	0.5	PASS
11N20SISO	Ant1	5785	17.60	5776.16	5793.76	0.5	PASS
11N20SISO	Ant1	5825	12.64	5818.64	5831.28	0.5	PASS
11AC20SISO	Ant1	5745	17.56	5736.20	5753.76	0.5	PASS
11AC20SISO	Ant1	5785	17.00	5776.72	5793.72	0.5	PASS
11AC20SISO	Ant1	5825	17.56	5816.20	5833.76	0.5	PASS
11AX20SISO	Ant1	5745	14.84	5738.68	5753.52	0.5	PASS
11AX20SISO	Ant1	5785	18.64	5775.60	5794.24	0.5	PASS
11AX20SISO	Ant1	5825	17.84	5815.80	5833.64	0.5	PASS



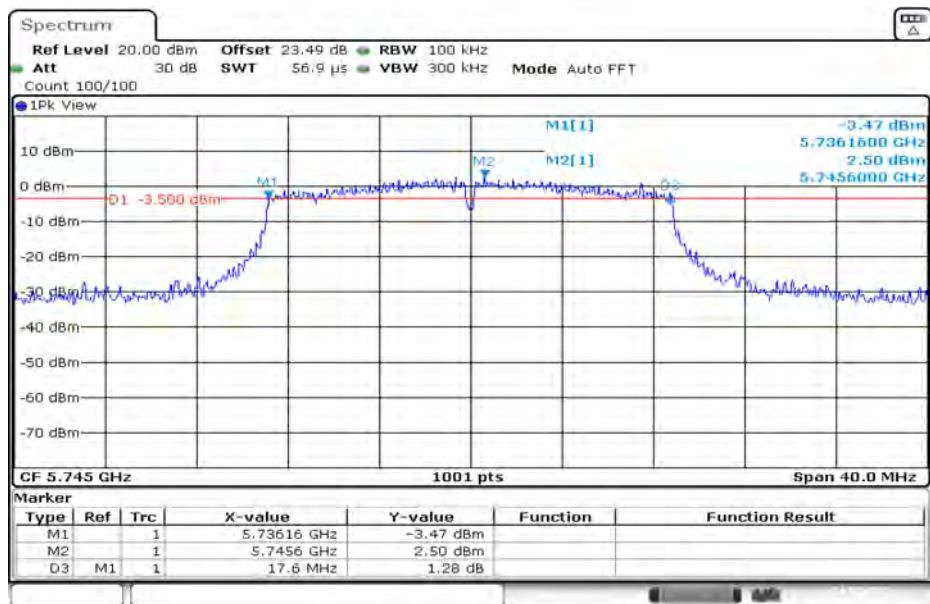
11A-Ant1-5745-PASS



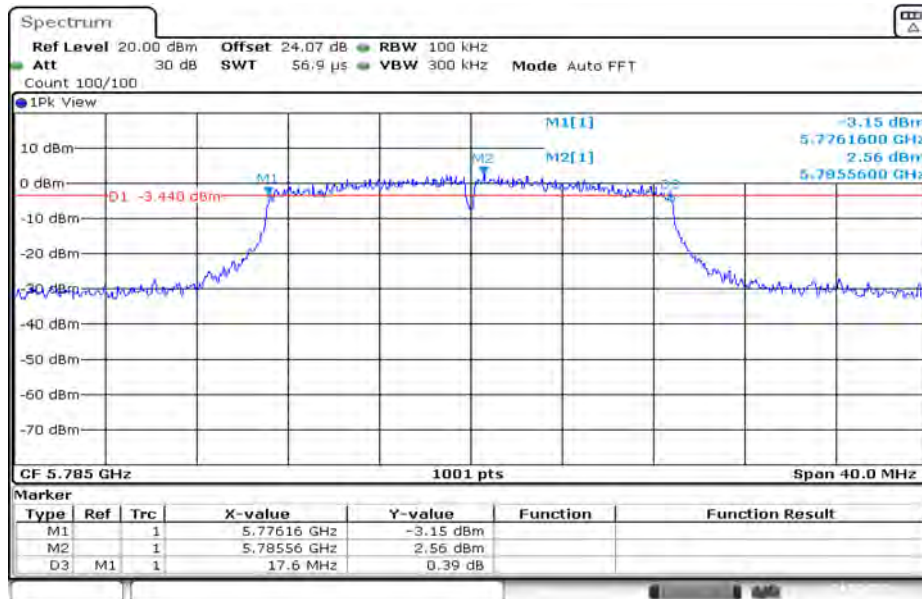
11A-Ant1-5785-PASS



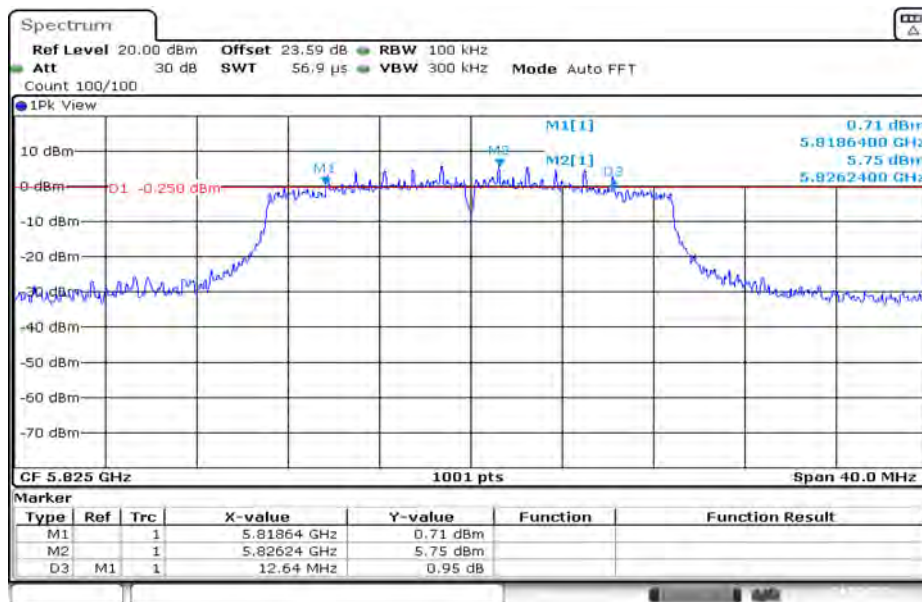
11A-Ant1-5825-PASS



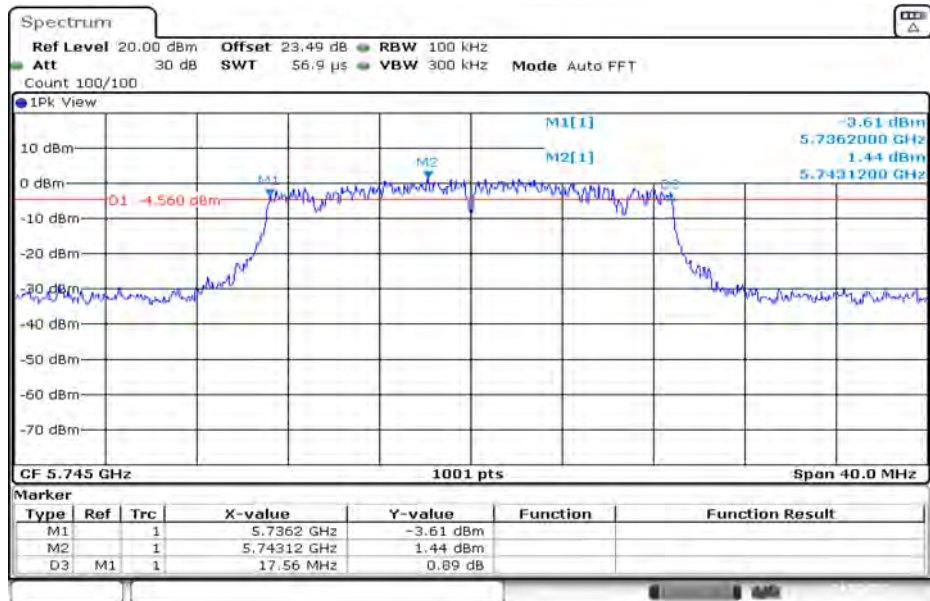
11N20SISO-Ant1-5745-PASS



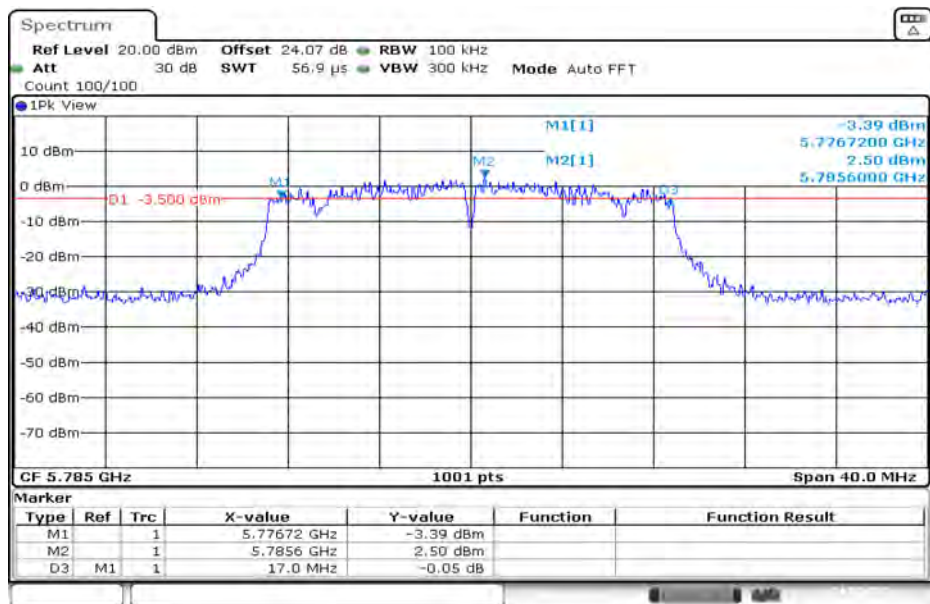
11N20SISO-Ant1-5785-PASS



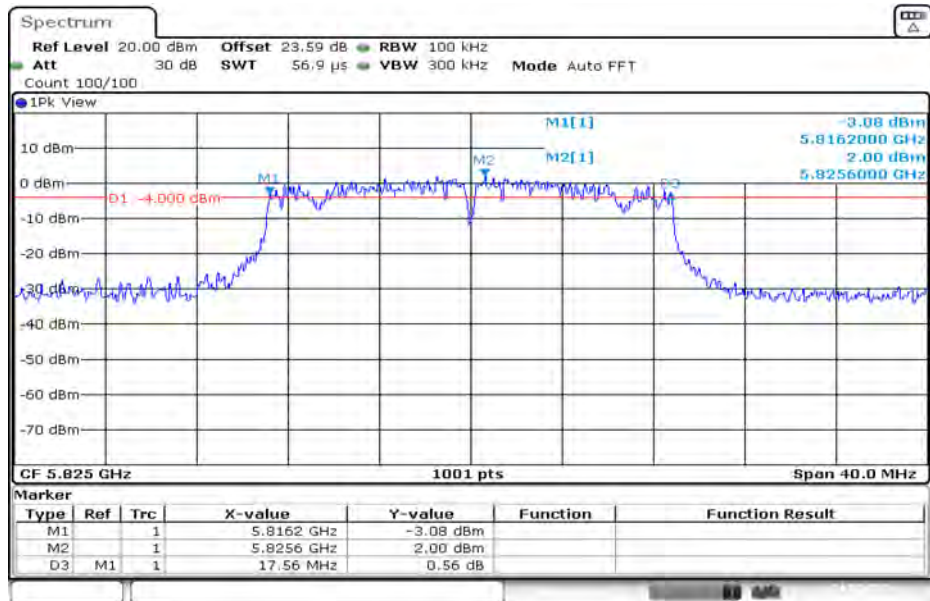
11N20SISO-Ant1-5825-PASS



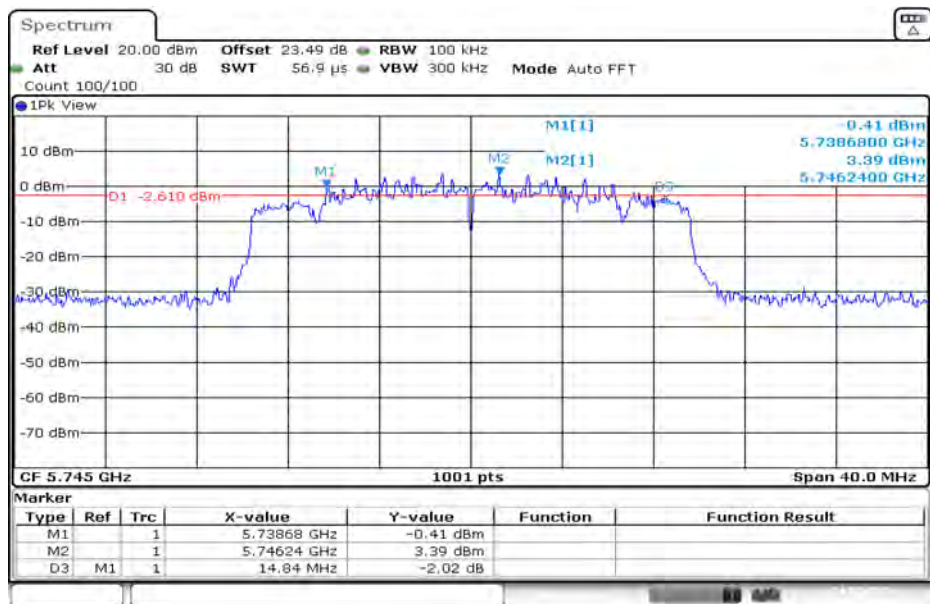
11AC20SISO-Ant1-5745-PASS



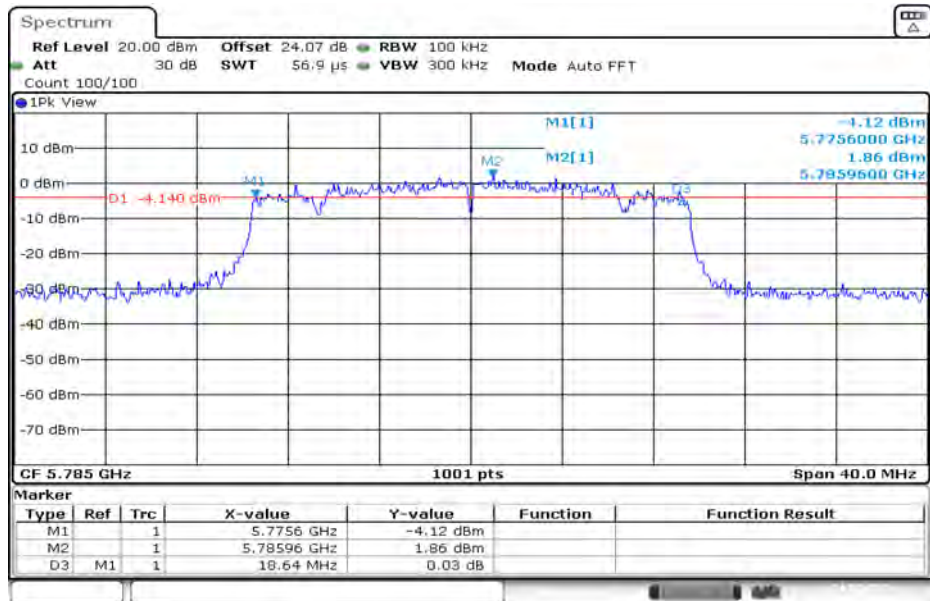
11AC20SISO-Ant1-5785-PASS



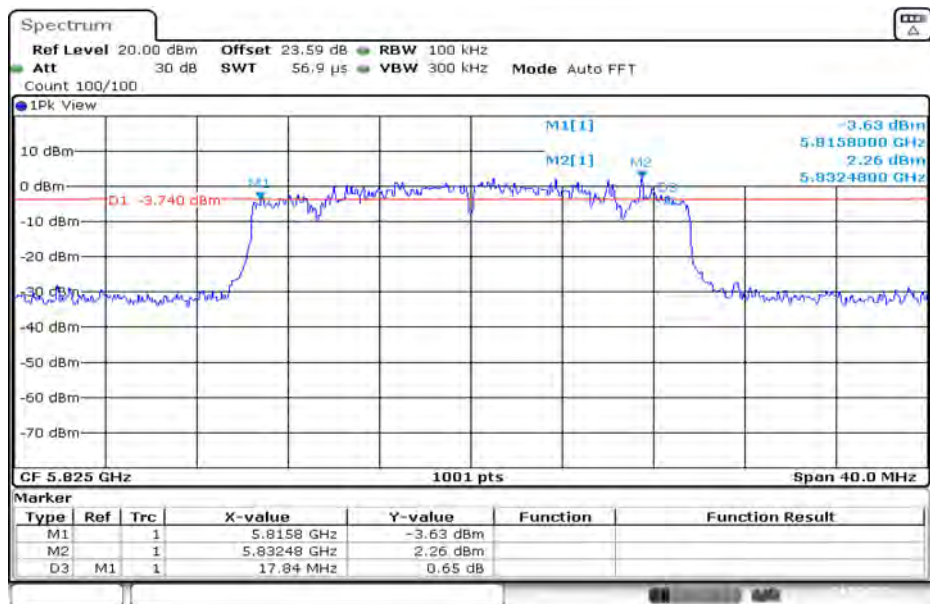
11AC20SISO-Ant1-5825-PASS



11AX20SISO-Ant1-5745-PASS



11AX20SISO-Ant1-5785-PASS



11AX20SISO-Ant1-5825-PASS

3.4 Conducted Output Power

3.4.1 Limit

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Conducted Output Power	Master device: 1 Watt (30 dBm) Client device: 250 mW (23.98 dBm)	5150-5250
		250 mW (23.98 dBm)	5250-5350
		250 mW (23.98 dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

a. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

b. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

3.4.2 Test Procedure

Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
●Lowest, Middle and Highest Channel	○ Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme
Note:●:Test ○:No Test	

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- Test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

3.4.3 Test Setup



3.4.4 Table of Parameters of Text Software Setting

UNII-1			
Test Software Version	Serial Port Utility		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	Default	Default	Default
IEEE 802.11n20	Default	Default	Default
IEEE 802.11ac20	Default	Default	Default
IEEE 802.11ax20	Default	Default	Default

UNII-2A			
Test Software Version	Serial Port Utility		
Frequency (MHz)	5260	5280	5320
IEEE 802.11a	Default	Default	Default
IEEE 802.11n20	Default	Default	Default
IEEE 802.11ac20	Default	Default	Default
IEEE 802.11ax20	Default	Default	Default

UNII-2C			
Test Software Version	Serial Port Utility		
Frequency (MHz)	5500	5580	5700
IEEE 802.11a	Default	Default	Default
IEEE 802.11n20	Default	Default	Default
IEEE 802.11ac20	Default	Default	Default
IEEE 802.11ax20	Default	Default	Default

UNII-3			
Test Software Version	Serial Port Utility		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	Default	Default	Default
IEEE 802.11n20	Default	Default	Default
IEEE 802.11ac20	Default	Default	Default
IEEE 802.11ax20	Default	Default	Default

3.4.5 The Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	14.85	≤23.98	PASS
11A	Ant1	5200	15.89	≤23.98	PASS
11A	Ant1	5240	15.21	≤23.98	PASS
11A	Ant1	5260	17.63	≤23.98	PASS
11A	Ant1	5280	17.08	≤23.96	PASS
11A	Ant1	5320	16.69	≤23.98	PASS
11A	Ant1	5500	16.60	≤23.96	PASS
11A	Ant1	5580	15.26	≤23.98	PASS
11A	Ant1	5700	15.76	≤23.98	PASS
11A	Ant1	5745	16.89	≤30.00	PASS
11A	Ant1	5785	15.97	≤30.00	PASS
11A	Ant1	5825	17.51	≤30.00	PASS
11N20SISO	Ant1	5180	15.69	≤23.98	PASS
11N20SISO	Ant1	5200	15.71	≤23.98	PASS
11N20SISO	Ant1	5240	15.82	≤23.98	PASS
11N20SISO	Ant1	5260	16.28	≤23.98	PASS
11N20SISO	Ant1	5280	16.19	≤23.98	PASS
11N20SISO	Ant1	5320	16.25	≤23.98	PASS
11N20SISO	Ant1	5500	16.12	≤23.98	PASS
11N20SISO	Ant1	5580	15.68	≤23.98	PASS
11N20SISO	Ant1	5700	15.49	≤23.98	PASS
11N20SISO	Ant1	5745	15.80	≤30.00	PASS
11N20SISO	Ant1	5785	15.94	≤30.00	PASS
11N20SISO	Ant1	5825	16.64	≤30.00	PASS
11AC20SISO	Ant1	5180	15.37	≤23.98	PASS
11AC20SISO	Ant1	5200	14.95	≤23.98	PASS
11AC20SISO	Ant1	5240	14.83	≤23.98	PASS
11AC20SISO	Ant1	5260	16.39	≤23.98	PASS
11AC20SISO	Ant1	5280	16.79	≤23.98	PASS
11AC20SISO	Ant1	5320	16.48	≤23.98	PASS
11AC20SISO	Ant1	5500	16.63	≤23.98	PASS
11AC20SISO	Ant1	5580	15.84	≤23.98	PASS
11AC20SISO	Ant1	5700	15.47	≤23.98	PASS
11AC20SISO	Ant1	5745	15.98	≤30.00	PASS
11AC20SISO	Ant1	5785	16.76	≤30.00	PASS
11AC20SISO	Ant1	5825	17.06	≤30.00	PASS
11AX20SISO	Ant1	5180	14.34	≤23.98	PASS
11AX20SISO	Ant1	5200	15.89	≤23.98	PASS
11AX20SISO	Ant1	5240	15.85	≤23.98	PASS
11AX20SISO	Ant1	5260	16.90	≤23.98	PASS
11AX20SISO	Ant1	5280	16.17	≤23.98	PASS

11AX20SISO	Ant1	5320	16.09	≤23.98	PASS
11AX20SISO	Ant1	5500	16.84	≤23.98	PASS
11AX20SISO	Ant1	5580	15.83	≤23.98	PASS
11AX20SISO	Ant1	5700	15.54	≤23.98	PASS
11AX20SISO	Ant1	5745	15.58	≤30.00	PASS
11AX20SISO	Ant1	5785	16.56	≤30.00	PASS
11AX20SISO	Ant1	5825	16.45	≤30.00	PASS

Note: The duty cycle factor and line loss are compensated in the average conducted output power.

3.5 Power Spectral Density

3.5.1 Limit

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Power Spectral Density	Master device: 17 dBm/MHz Client device: 11 dBm/MHz	5150-5250
		11 dBm/MHz	5250-5350
		11 dBm/MHz	5470-5725
		30 dBm/500 kHz	5725-5850

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 300kHz and VBW at 1500kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add $10 \log (500 \text{ kHz}/300 \text{ kHz})$ to the measured result, i.e. 2.22 dB.
- During the test of U-NII 3 PSD, the measurement result with RBW=300kHz has been added 2.22 dB by compensating offset, offset=cable loss+duty factor+ $10\log(500\text{kHz}/300\text{kHz})$.

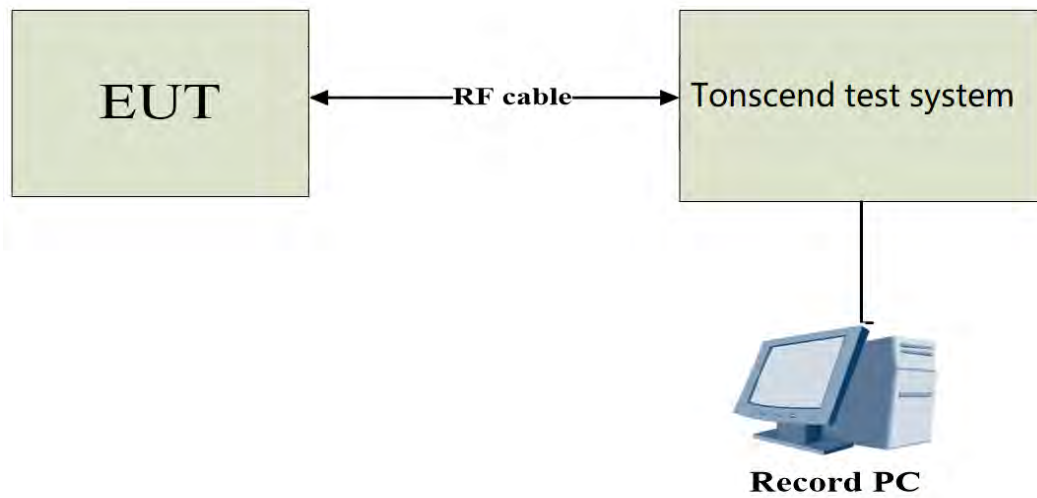
3.5.2 Test Procedure

Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
●Lowest, Middle and Highest Channel	○ Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme
Note:●:Test ○:No Test	

a) The EUT was directly connected to the tonscond test system and antenna output port as show in the block diagram below. Spectrum analyser settings as following:

Centre Frequency	The centre frequency of the channel under test
RBW	= 1 MHz (Band1/2/3); = 300kHz (Band4)
VBW	$\geq 3 \times \text{RBW}$
Frequency span	2 x Nominal Channel Bandwidth
Detector Mode	RMS
Trace Mode	Max Hold
Sweep Time	Auto Couple

3.5.3 Test Setup



3.5.4 The Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	3.66	≤11.00	PASS
11A	Ant1	5200	4.46	≤11.00	PASS
11A	Ant1	5240	4.45	≤11.00	PASS
11A	Ant1	5260	6.35	≤11.00	PASS
11A	Ant1	5280	7.58	≤11.00	PASS
11A	Ant1	5320	5.25	≤11.00	PASS
11A	Ant1	5500	4.48	≤11.00	PASS
11A	Ant1	5580	6.72	≤11.00	PASS
11A	Ant1	5700	5.64	≤11.00	PASS
11A	Ant1	5745	5.40	≤30.00	PASS
11A	Ant1	5785	3.82	≤30.00	PASS
11A	Ant1	5825	4.43	≤30.00	PASS
11N20SISO	Ant1	5180	5.14	≤11.00	PASS
11N20SISO	Ant1	5200	4.66	≤11.00	PASS
11N20SISO	Ant1	5240	4.86	≤11.00	PASS
11N20SISO	Ant1	5260	5.20	≤11.00	PASS
11N20SISO	Ant1	5280	5.53	≤11.00	PASS
11N20SISO	Ant1	5320	5.04	≤11.00	PASS
11N20SISO	Ant1	5500	5.42	≤11.00	PASS
11N20SISO	Ant1	5580	5.24	≤11.00	PASS
11N20SISO	Ant1	5700	4.89	≤11.00	PASS
11N20SISO	Ant1	5745	2.55	≤30.00	PASS
11N20SISO	Ant1	5785	2.06	≤30.00	PASS

11N20SISO	Ant1	5825	3.34	≤30.00	PASS
11AC20SISO	Ant1	5180	4.23	≤11.00	PASS
11AC20SISO	Ant1	5200	4.88	≤11.00	PASS
11AC20SISO	Ant1	5240	3.61	≤11.00	PASS
11AC20SISO	Ant1	5260	7.94	≤11.00	PASS
11AC20SISO	Ant1	5280	6.35	≤11.00	PASS
11AC20SISO	Ant1	5320	6.85	≤11.00	PASS
11AC20SISO	Ant1	5500	6.30	≤11.00	PASS
11AC20SISO	Ant1	5580	5.94	≤11.00	PASS
11AC20SISO	Ant1	5700	5.55	≤11.00	PASS
11AC20SISO	Ant1	5745	4.12	≤30.00	PASS
11AC20SISO	Ant1	5785	5.42	≤30.00	PASS
11AC20SISO	Ant1	5825	4.96	≤30.00	PASS
11AX20SISO	Ant1	5180	4.55	≤11.00	PASS
11AX20SISO	Ant1	5200	6.10	≤11.00	PASS
11AX20SISO	Ant1	5240	6.10	≤11.00	PASS
11AX20SISO	Ant1	5260	6.52	≤11.00	PASS
11AX20SISO	Ant1	5280	6.38	≤11.00	PASS
11AX20SISO	Ant1	5320	5.54	≤11.00	PASS
11AX20SISO	Ant1	5500	6.53	≤11.00	PASS
11AX20SISO	Ant1	5580	6.00	≤11.00	PASS
11AX20SISO	Ant1	5700	5.51	≤11.00	PASS
11AX20SISO	Ant1	5745	3.50	≤30.00	PASS
11AX20SISO	Ant1	5785	3.74	≤30.00	PASS
11AX20SISO	Ant1	5825	5.19	≤30.00	PASS

Note: The Duty Cycle Factor and line loss are compensated in the test system

For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 300kHz and VBW at 1500kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add $10 \log (500 \text{ kHz}/300 \text{ kHz})$ to the measured result, i.e. 2.22 dB.

During the test of U-NII 3 PSD, the measurement result with RBW=300kHz has been added 2.22 dB by compensating offset, $\text{offset} = \text{cable loss} + \text{duty cycle factor} + 10 \log(500 \text{ kHz}/300 \text{ kHz})$.



11A-Ant1-5180-PASS



11A-Ant1-5200-PASS



11A-Ant1-5240-PASS



11A-Ant1-5260-PASS



11A-Ant1-5280-PASS



11A-Ant1-5320-PASS



11A-Ant1-5500-PASS



11A-Ant1-5580-PASS



11A-Ant1-5700-PASS



11A-Ant1-5745-PASS



11A-Ant1-5785-PASS



11A-Ant1-5825-PASS



11N20SISO-Ant1-5180-PASS



11N20SISO-Ant1-5200-PASS



11N20SISO-Ant1-5240-PASS



11N20SISO-Ant1-5260-PASS



11N20SISO-Ant1-5280-PASS



11N20SISO-Ant1-5320-PASS



11N20SISO-Ant1-5500-PASS



11N20SISO-Ant1-5580-PASS



11N20SISO-Ant1-5700-PASS



11N20SISO-Ant1-5745-PASS



11N20SISO-Ant1-5785-PASS



11N20SISO-Ant1-5825-PASS



11AC20SISO-Ant1-5180-PASS



11AC20SISO-Ant1-5200-PASS



11AC20SISO-Ant1-5240-PASS



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



11AX20SISO-Ant1-5180-PASS



11AX20SISO-Ant1-5200-PASS



11AX20SISO-Ant1-5240-PASS



11AX20SISO-Ant1-5260-PASS



11AX20SISO-Ant1-5280-PASS



11AX20SISO-Ant1-5320-PASS



11AX20SISO-Ant1-5500-PASS



11AX20SISO-Ant1-5580-PASS



11AX20SISO-Ant1-5700-PASS



11AX20SISO-Ant1-5745-PASS



11AX20SISO-Ant1-5785-PASS



11AX20SISO-Ant1-5825-PASS

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Standard Technical Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Standard Technical Co., Ltd.

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(END OF REPORT)