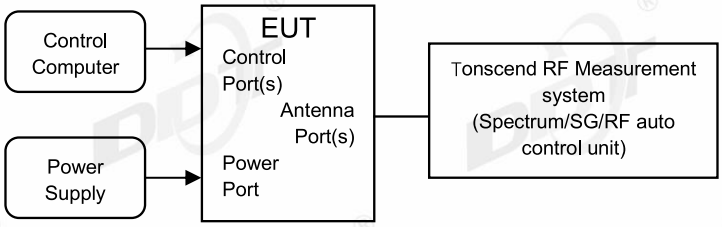
9. Power Spectral Density

9.1. Block diagram of test setup



9.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	Other than Mobile and portable:17 dBm/MHz Mobile and portable client devices:11 dBm/MHz	5150-5250
	11 dBm/MHz	5250-5350
	11 dBm/MHz	5470 - 5725
	30 dBm/500 kHz	5725-5850

9.3. Test procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.
Connect the UUT to the spectrum analyser and use the following settings:
5150 MHz~5250 MHz, 5250 MHz~5350 MHz, 5470 MHz~5725 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	1MHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

5725 MHz-5850 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal

Trace	Max hold
Sweep time	Auto

9.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	25.3℃,60.6%RH	Test Date:	2024.04.19-2024.04.28
Test Power Supply:	DC 5V from external adapter	Sample Number:	S24021902-001

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	3.27	≤11.00	PASS
		5200	4.37	≤11.00	PASS
		5240	3.61	≤11.00	PASS
		5260	4.16	≤11.00	PASS
		5280	3.69	≤11.00	PASS
		5320	3.79	≤11.00	PASS
		5500	3.56	≤11.00	PASS
		5580	3.91	≤11.00	PASS
		5700	5.38	≤11.00	PASS
		5720_UNII-2C	4.08	≤11.00	PASS
		5720_UNII-3	1.08	≤30.00	PASS
		5745	2.40	≤30.00	PASS
		5785	2.17	≤30.00	PASS
		5825	2.09	≤30.00	PASS
11N20SISO	Ant1	5180	3.25	≤11.00	PASS
		5200	3.14	≤11.00	PASS
		5240	3.53	≤11.00	PASS
		5260	4.19	≤11.00	PASS
		5280	3.85	≤11.00	PASS
		5320	3.70	≤11.00	PASS
		5500	3.63	≤11.00	PASS
		5580	3.38	≤11.00	PASS
		5700	5.25	≤11.00	PASS
		5720_UNII-2C	3.90	≤11.00	PASS
		5720_UNII-3	1.40	≤30.00	PASS
		5745	2.35	≤30.00	PASS
		5785	1.76	≤30.00	PASS
		5825	1.96	≤30.00	PASS
11N40SISO	Ant1	5190	0.12	≤11.00	PASS
		5230	2.92	≤11.00	PASS
		5270	2.39	≤11.00	PASS
		5310	2.06	≤11.00	PASS
		5510	1.79	≤11.00	PASS
		5550	1.61	≤11.00	PASS
		5670	3.22	≤11.00	PASS
		5710_UNII-2C	2.92	≤11.00	PASS
		5710_UNII-3	-1.01	≤30.00	PASS
		5755	0.71	≤30.00	PASS
		5795	0.27	≤30.00	PASS
11AC20SISO	Ant1	5180	1.11	≤11.00	PASS
		5200	3.68	≤11.00	PASS
		5240	3.94	≤11.00	PASS
		5260	3.92	≤11.00	PASS
		5280	4.72	≤11.00	PASS
		5320	3.48	≤11.00	PASS
		5500	3.33	≤11.00	PASS
		5580	3.81	≤11.00	PASS
		5700	5.50	≤11.00	PASS
		5720_UNII-2C	4.53	≤11.00	PASS
		5720_UNII-3	1.87	≤30.00	PASS
		5745	1.79	≤30.00	PASS
		5785	1.99	≤30.00	PASS
		5825	2.07	≤30.00	PASS
11AC40SISO	Ant1	5190	-2.21	≤11.00	PASS
		5230	1.62	≤11.00	PASS

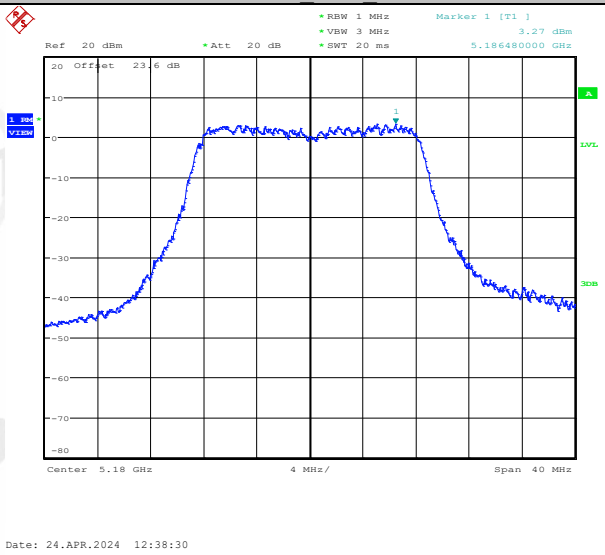
		5270	2.26	≤11.00	PASS
		5310	1.75	≤11.00	PASS
		5510	1.23	≤11.00	PASS
		5550	2.54	≤11.00	PASS
		5670	3.92	≤11.00	PASS
		5710_UNII-2C	3.29	≤11.00	PASS
		5710_UNII-3	-0.61	≤30.00	PASS
		5755	0.02	≤30.00	PASS
		5795	0.43	≤30.00	PASS
11AC80SISO	Ant1	5210	-3.27	≤11.00	PASS
		5290	-0.76	≤11.00	PASS
		5530	1.33	≤11.00	PASS
		5610	1.11	≤11.00	PASS
		5690_UNII-2C	2.96	≤11.00	PASS
		5690_UNII-3	-1.50	≤30.00	PASS
		5775	-0.75	≤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 is compensated in the graph.

9.5. Test graphs

11A_Ant1_5180



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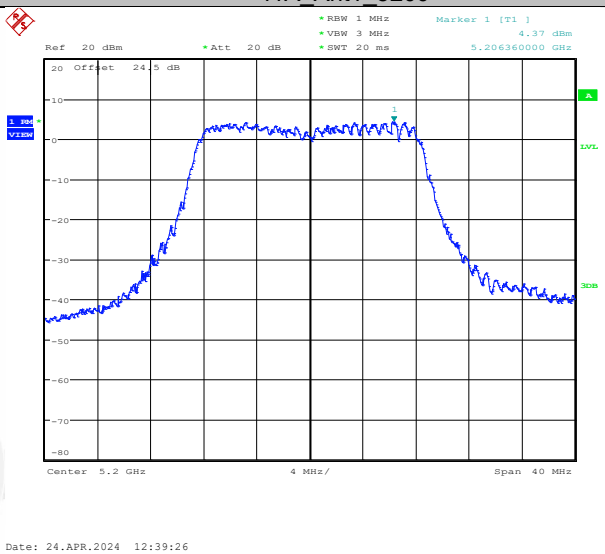

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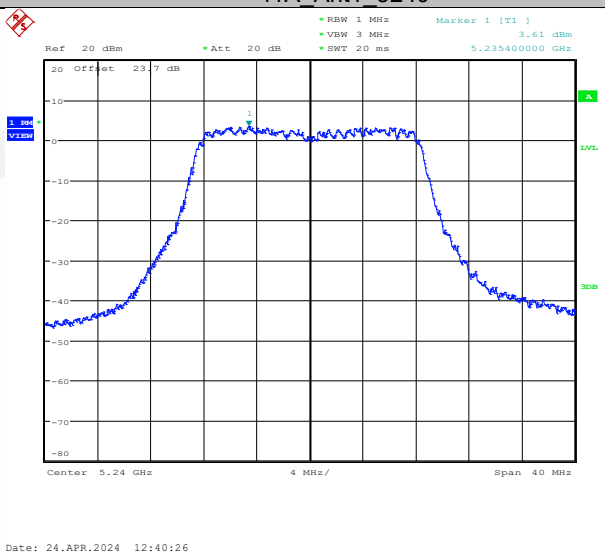

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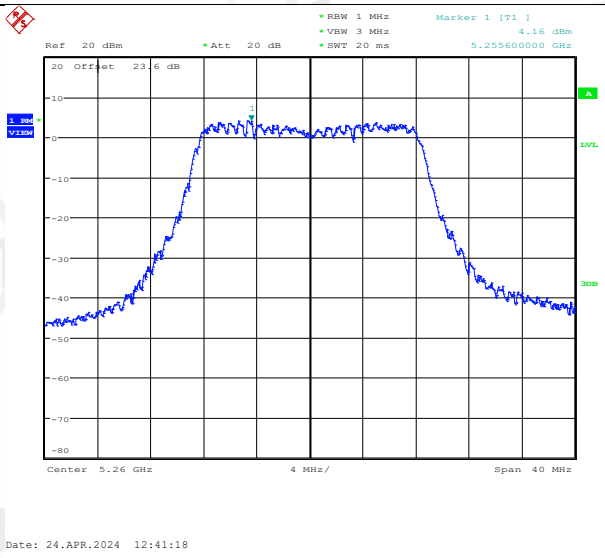

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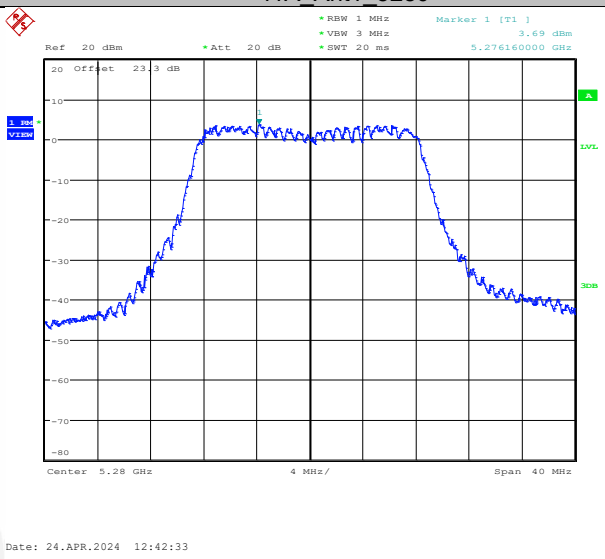

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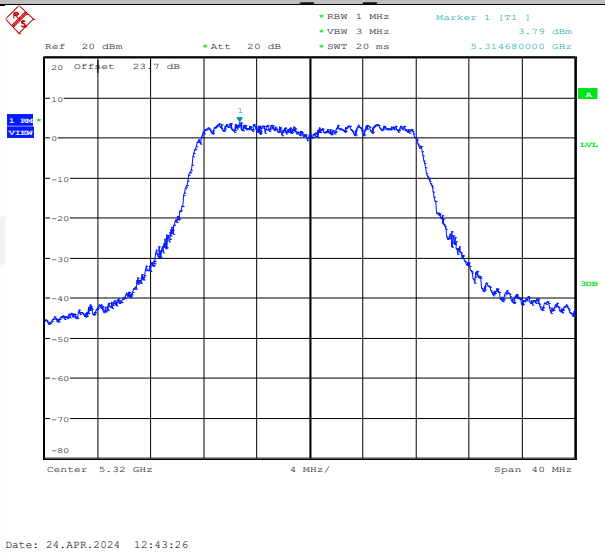

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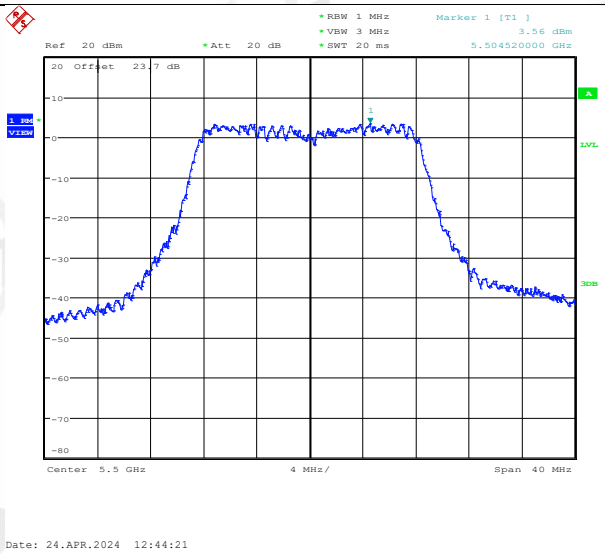

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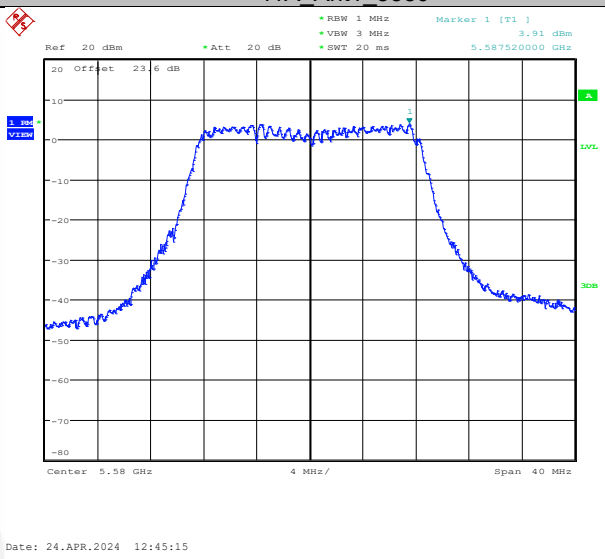

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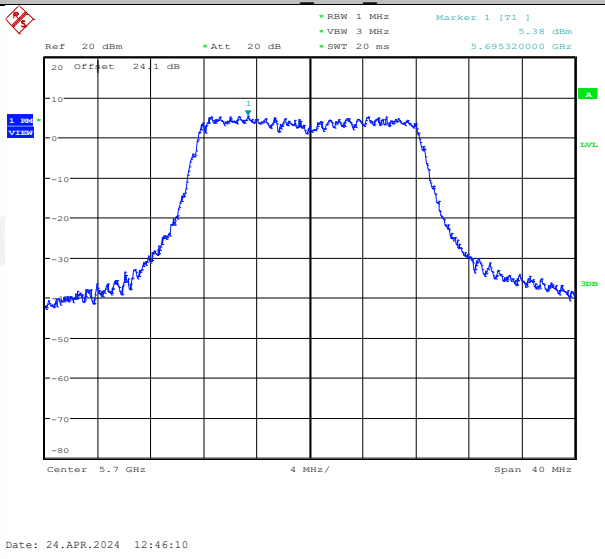

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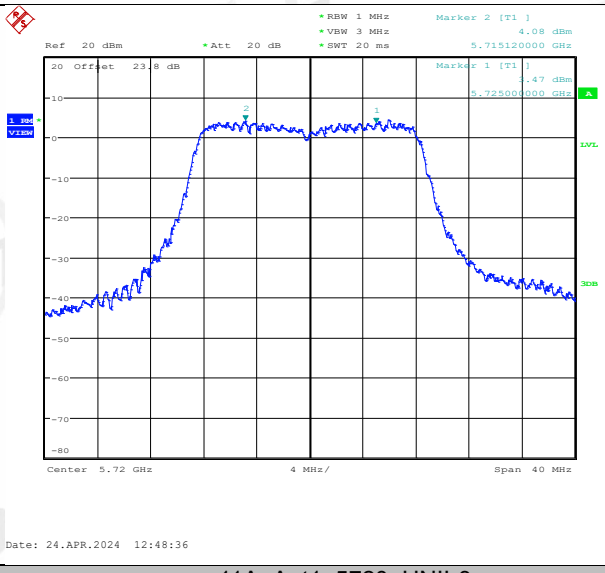

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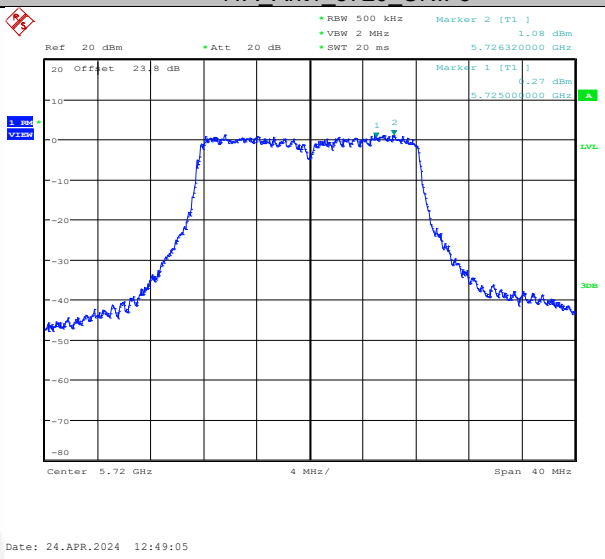

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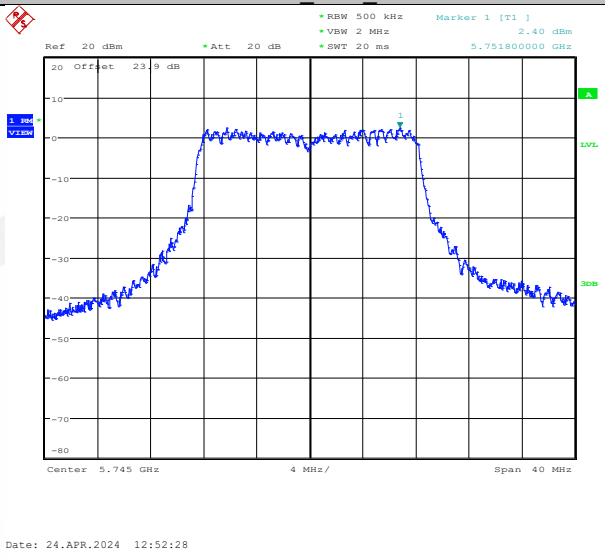

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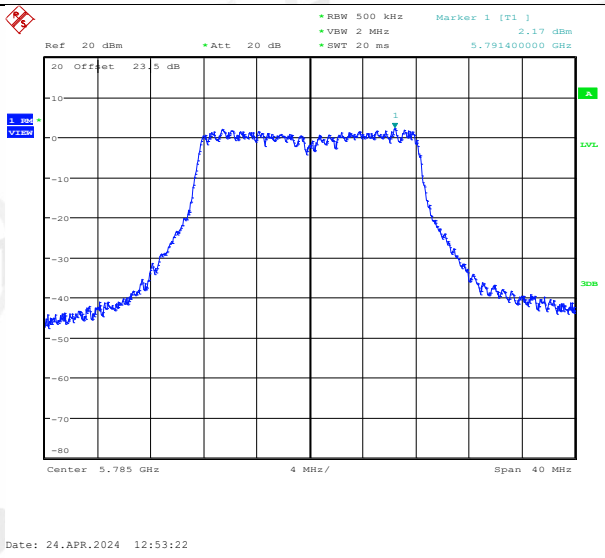

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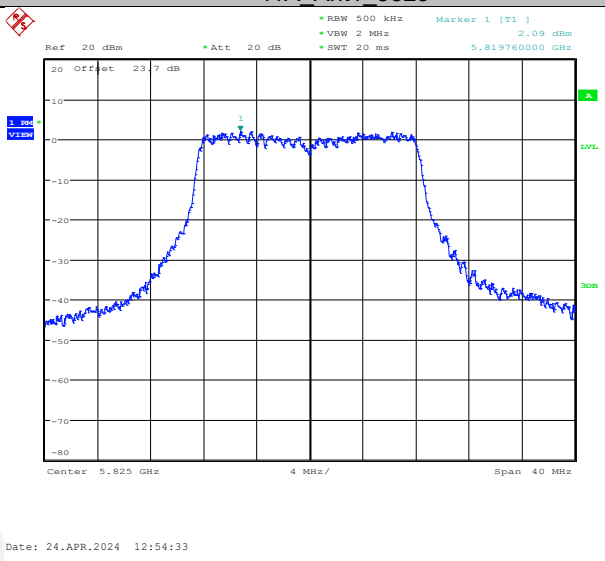

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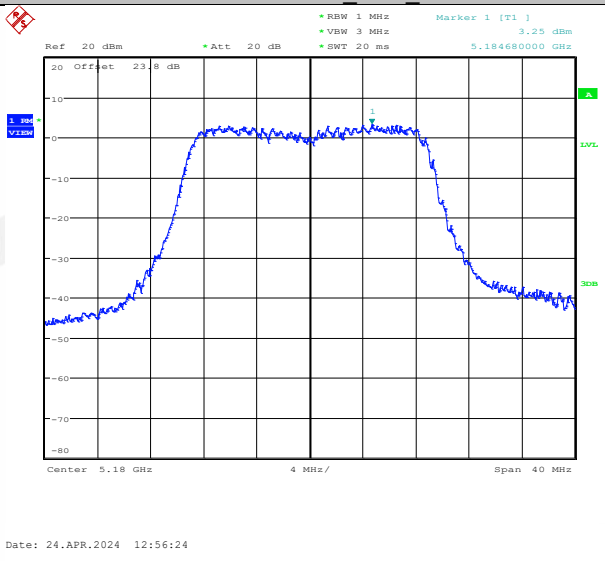

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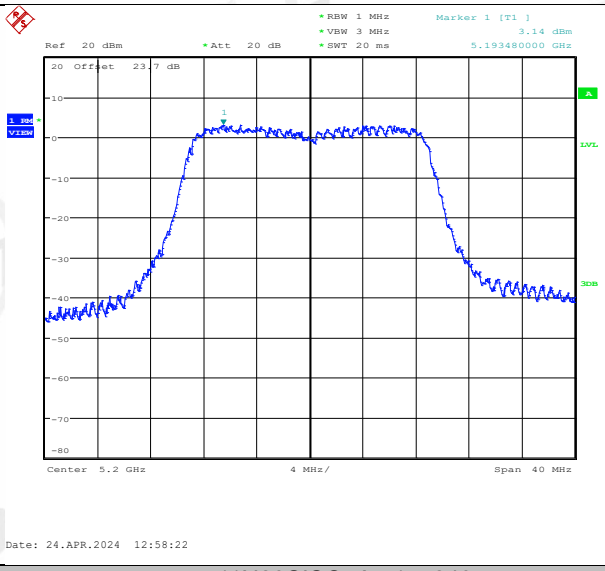

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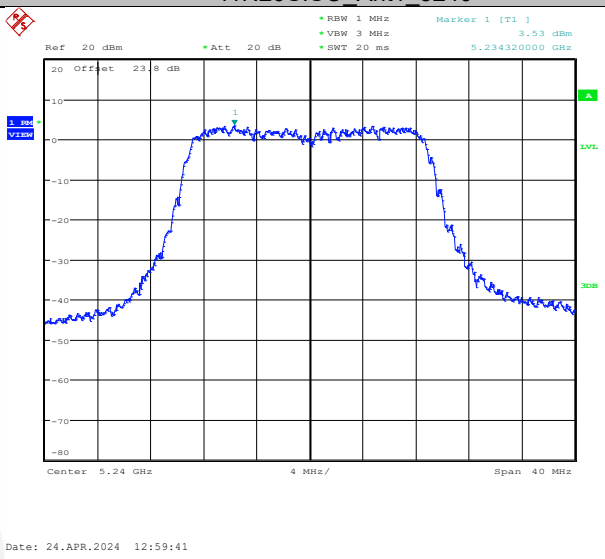

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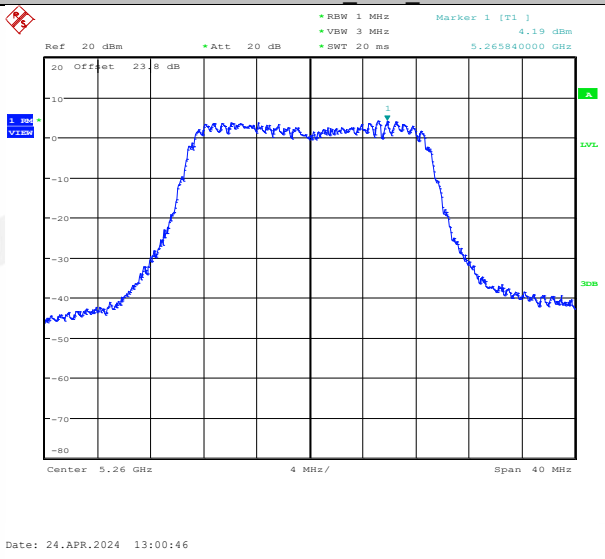

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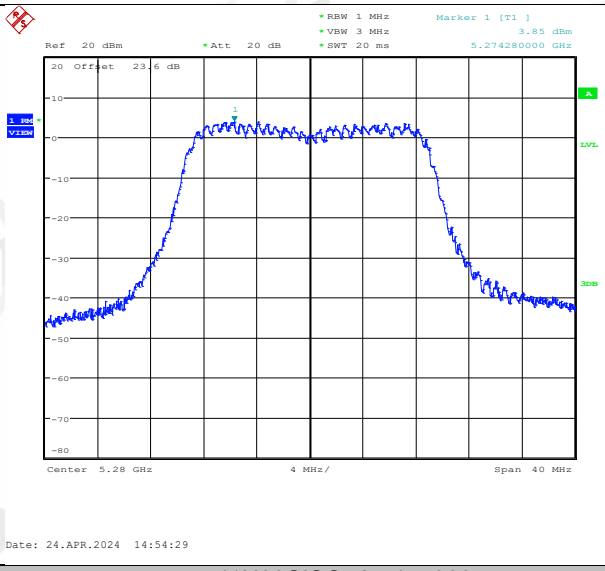

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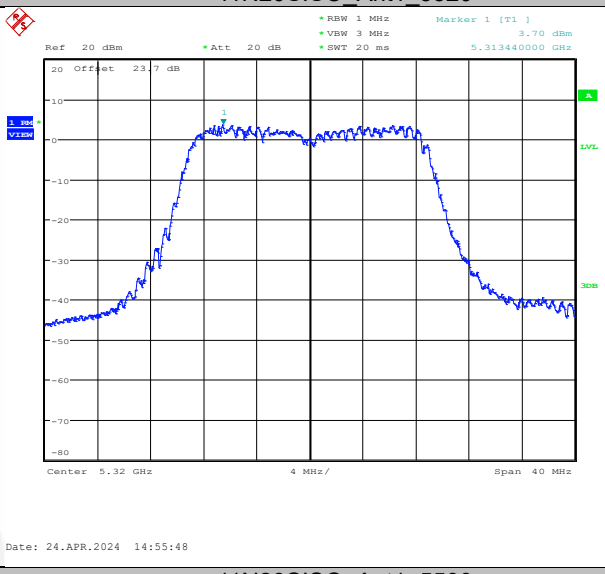

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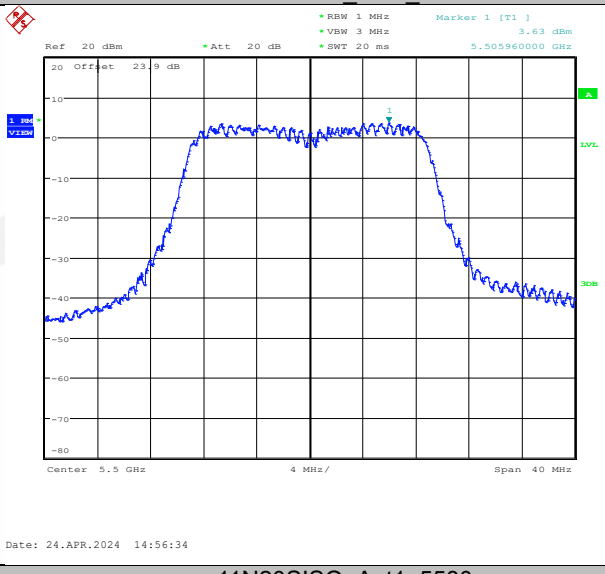

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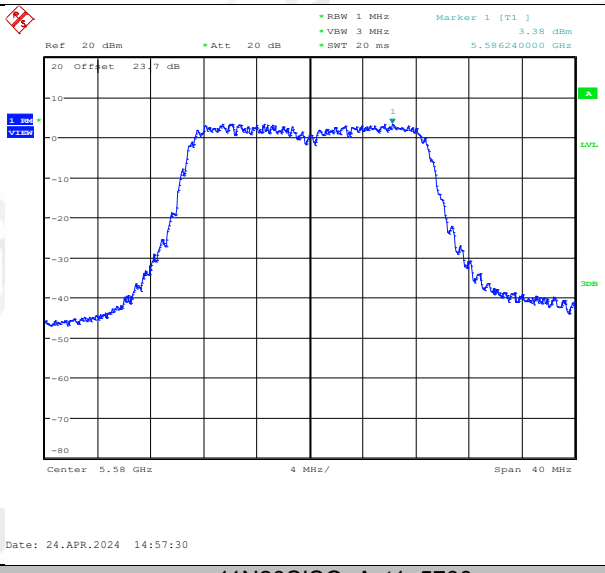

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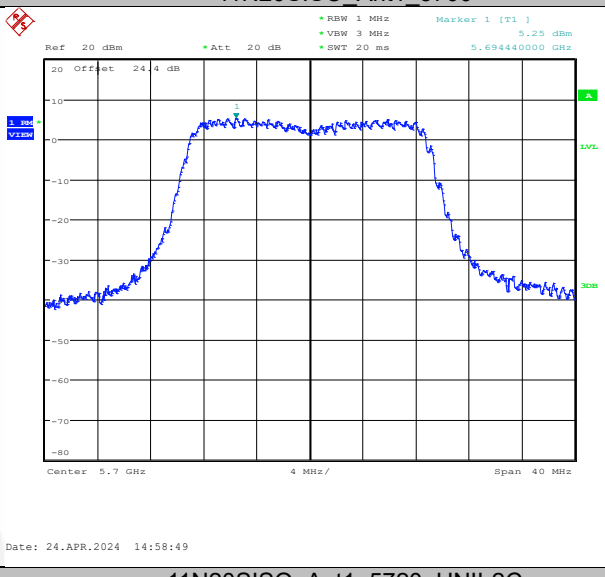

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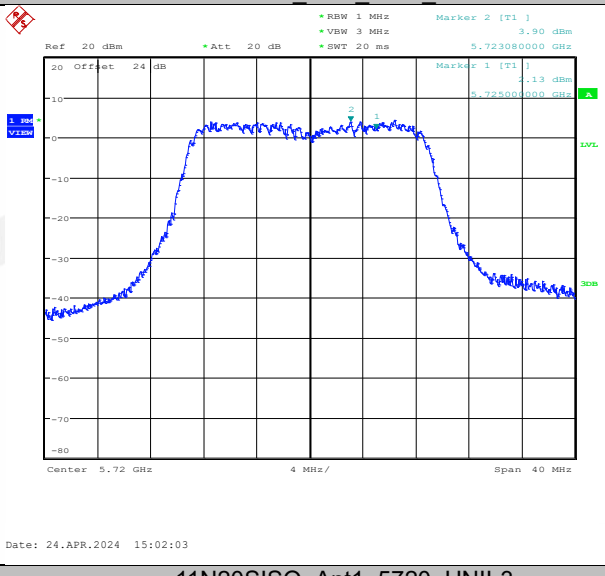

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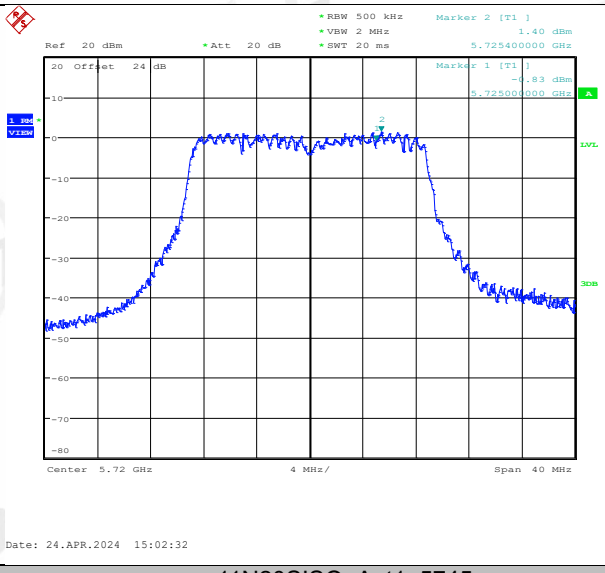

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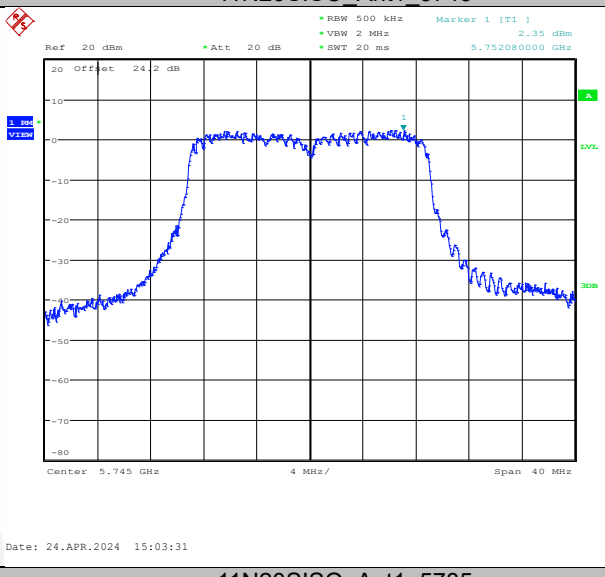

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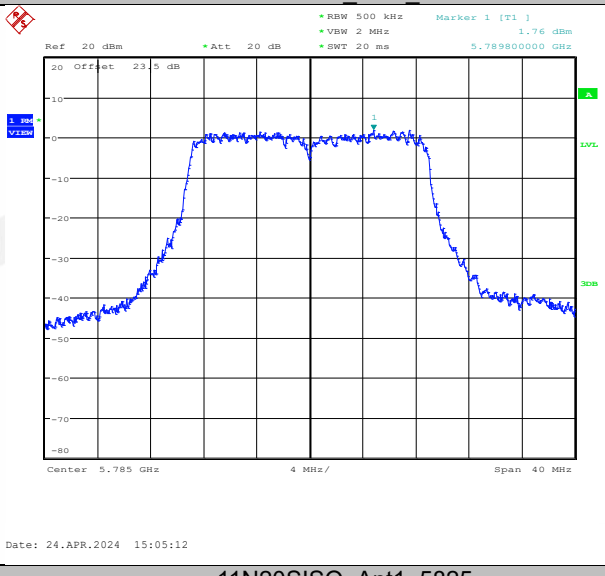

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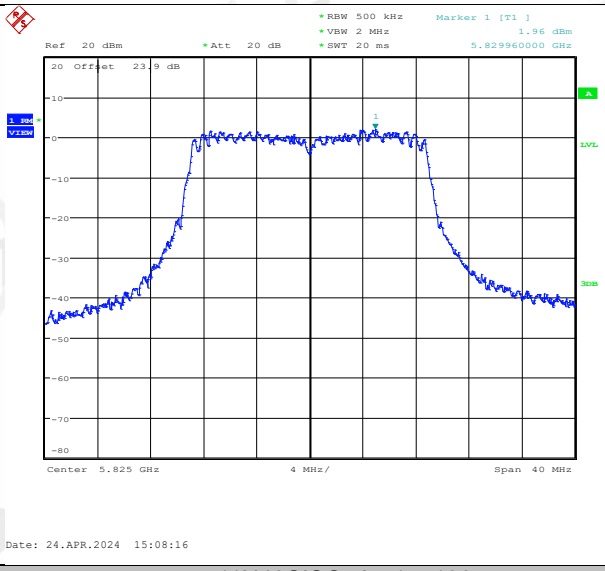

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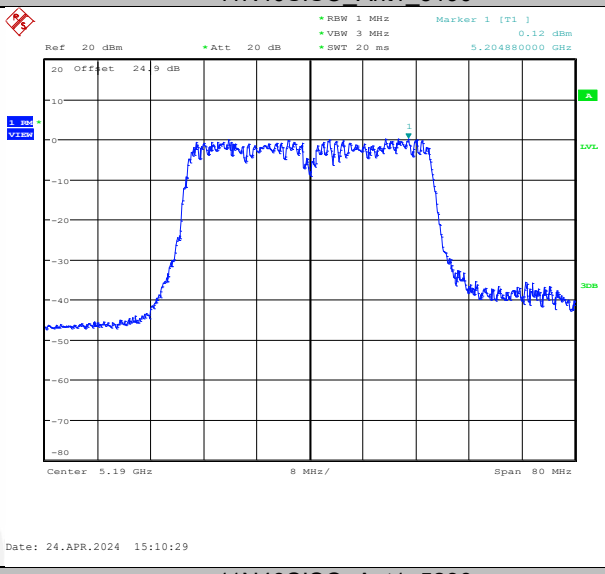

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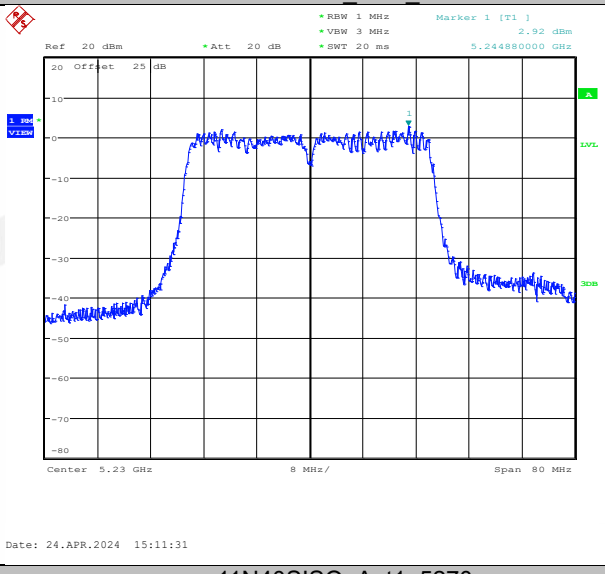

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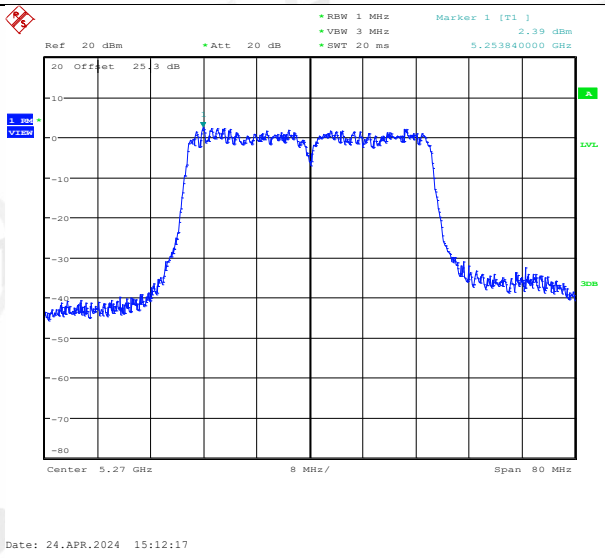

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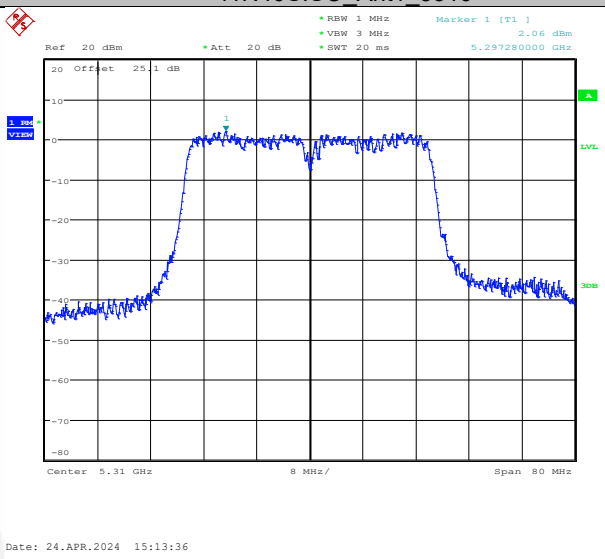

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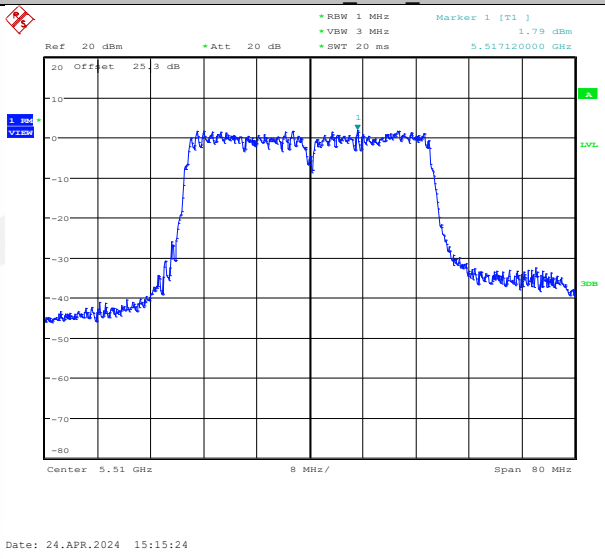

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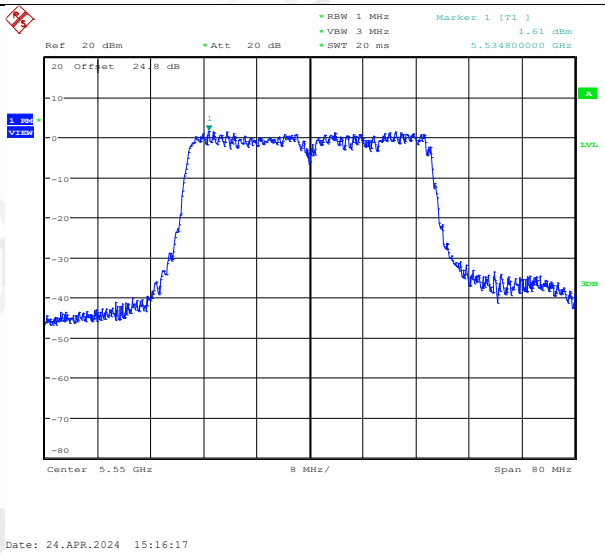

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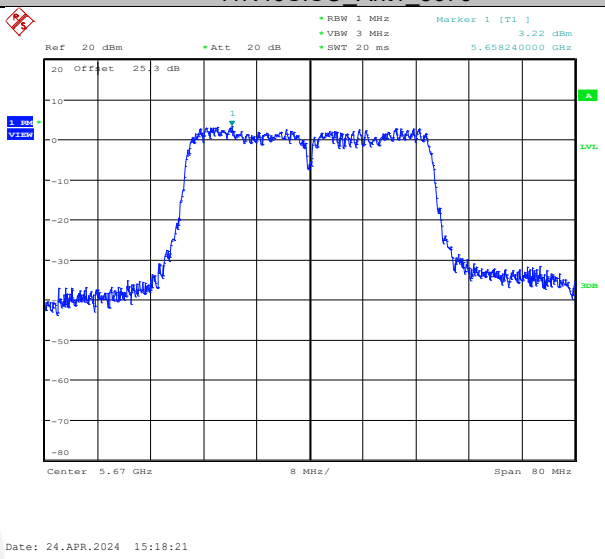

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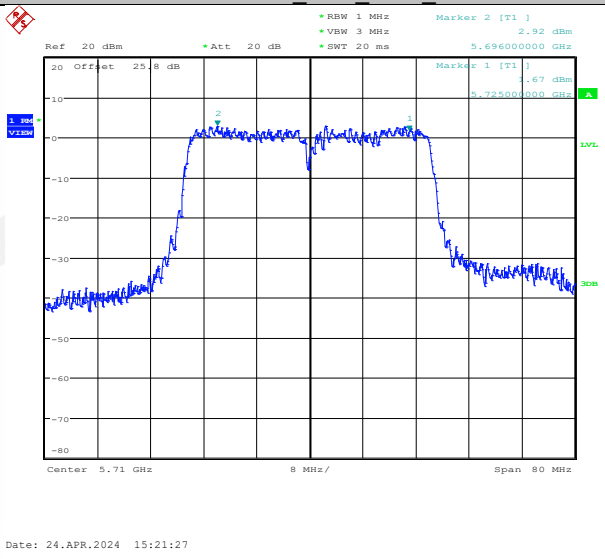

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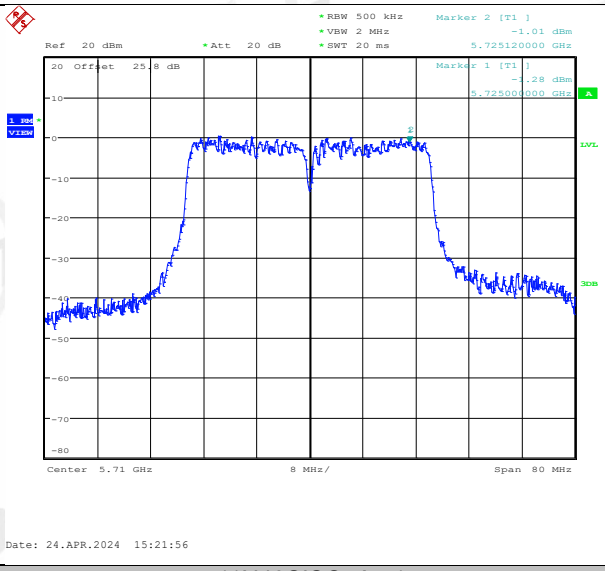

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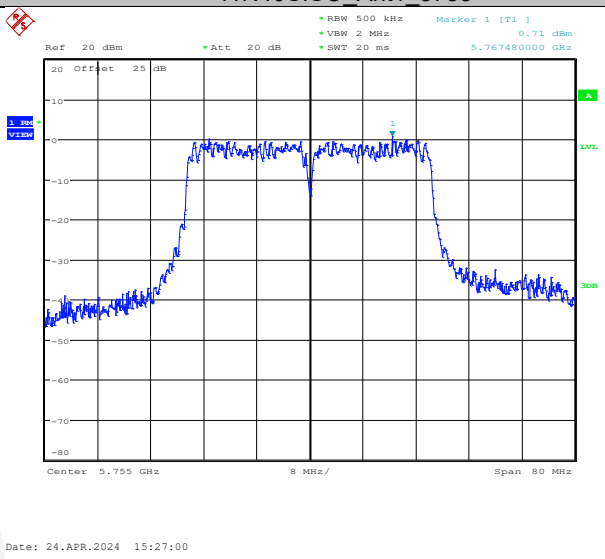

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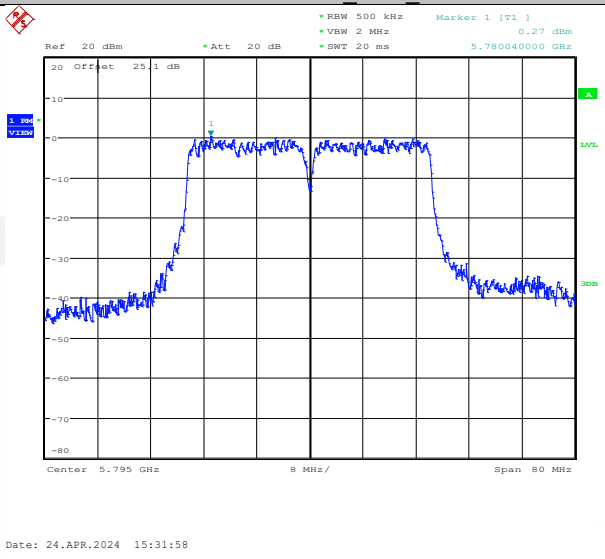

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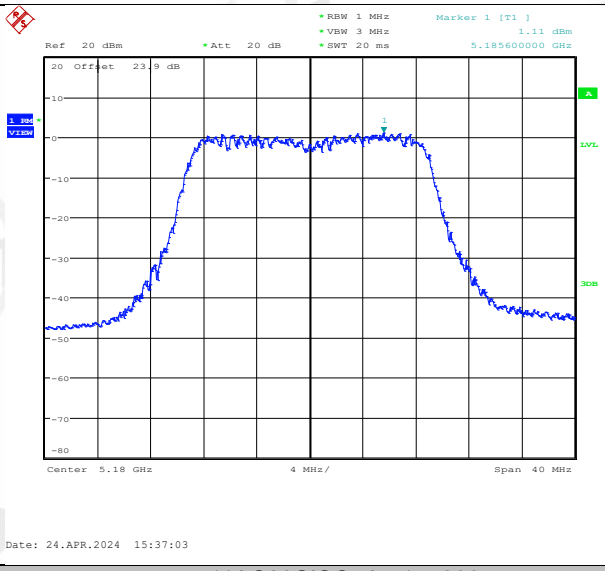
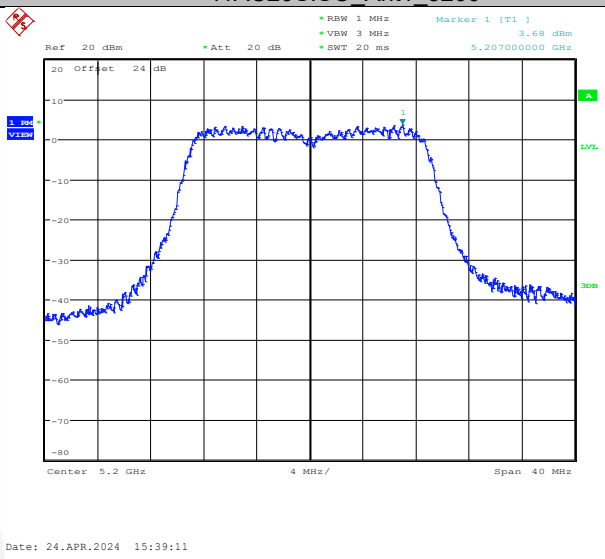


11AC20SISO_Ant1_5200



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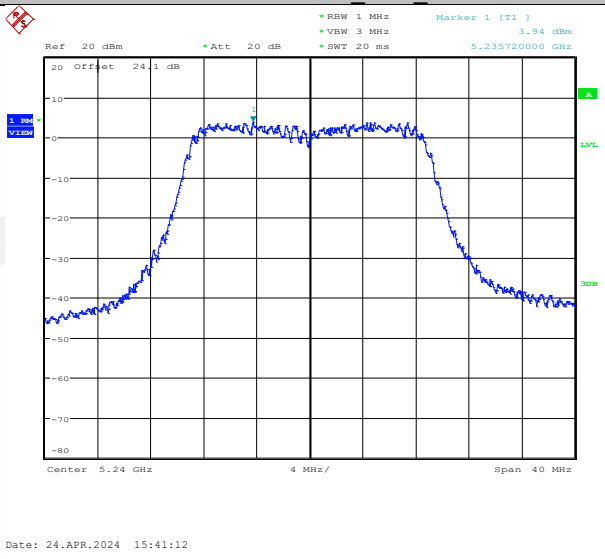

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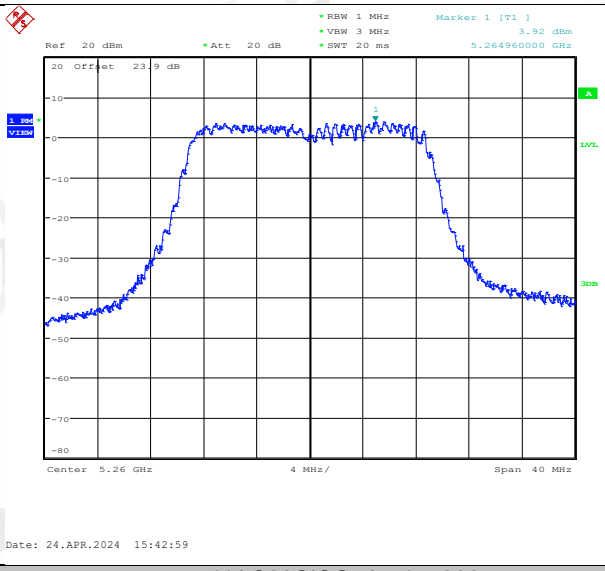

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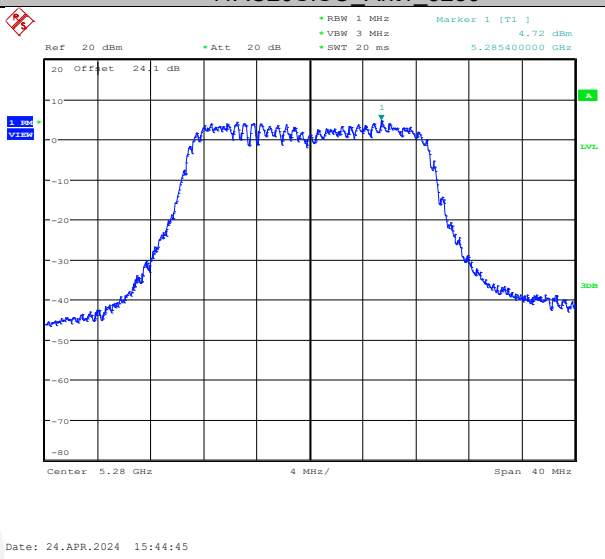

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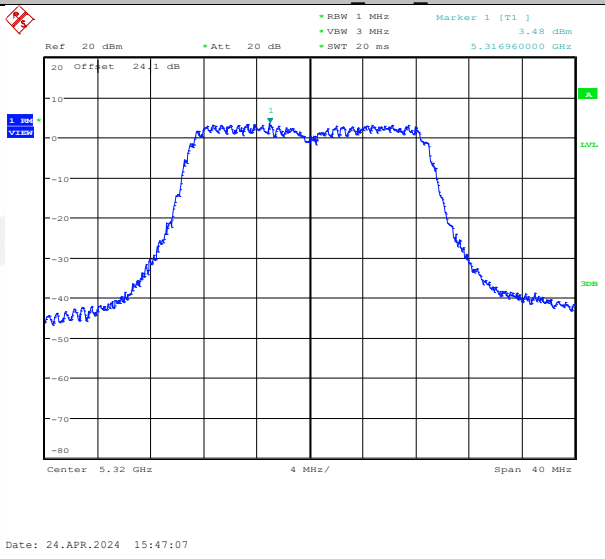

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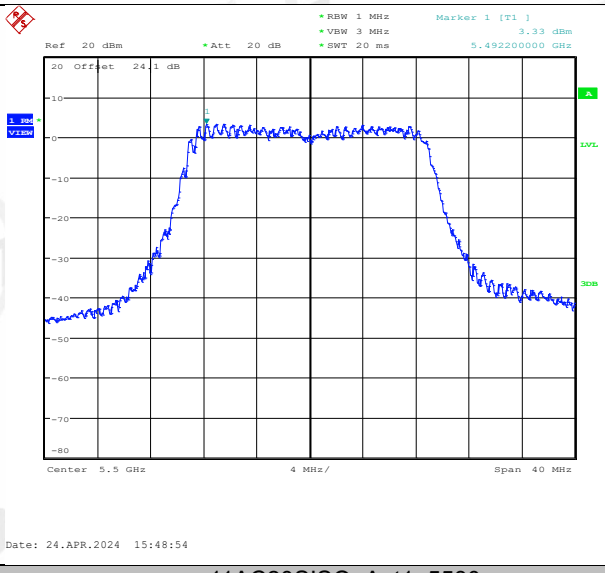

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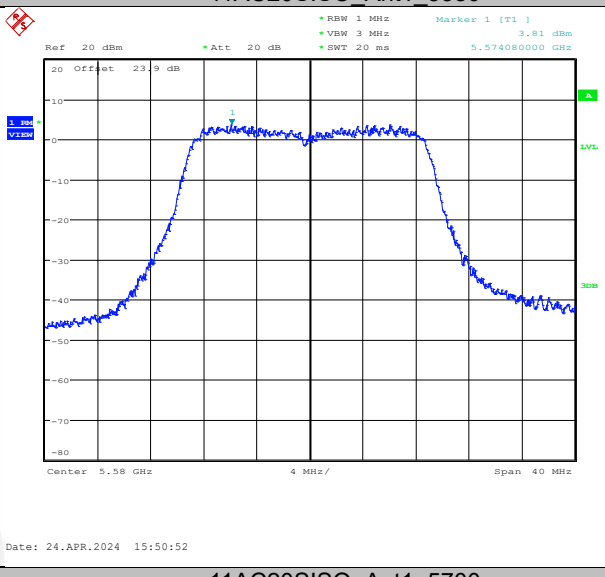

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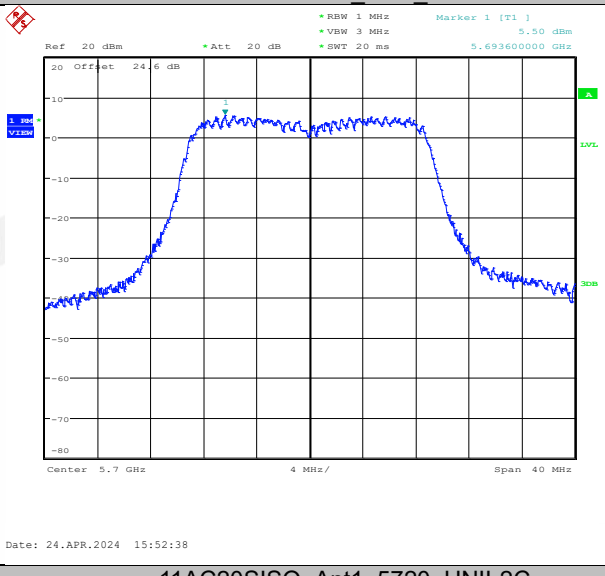

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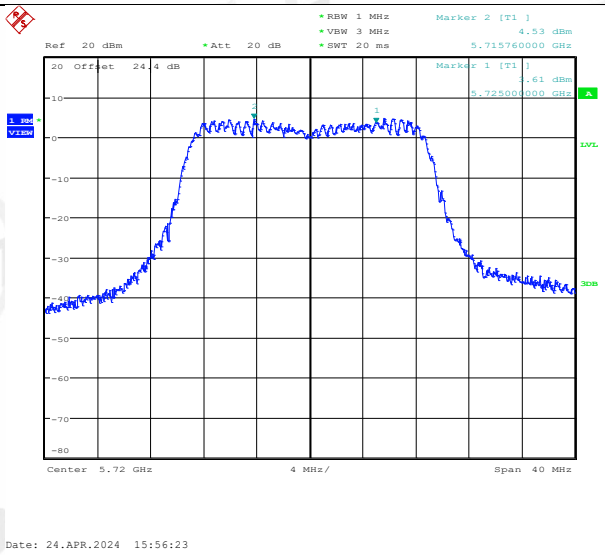

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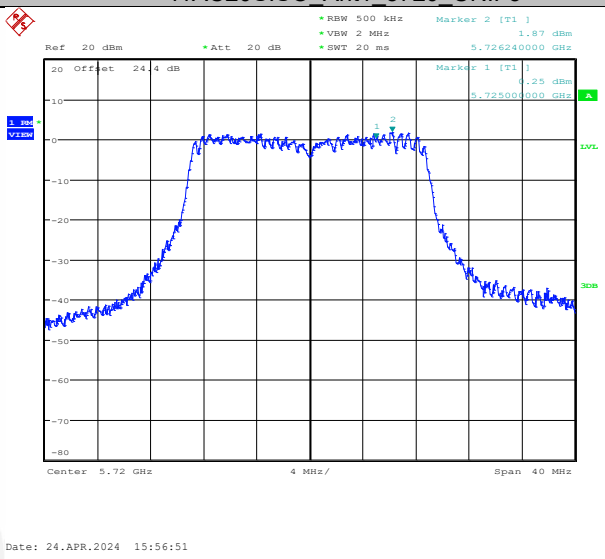

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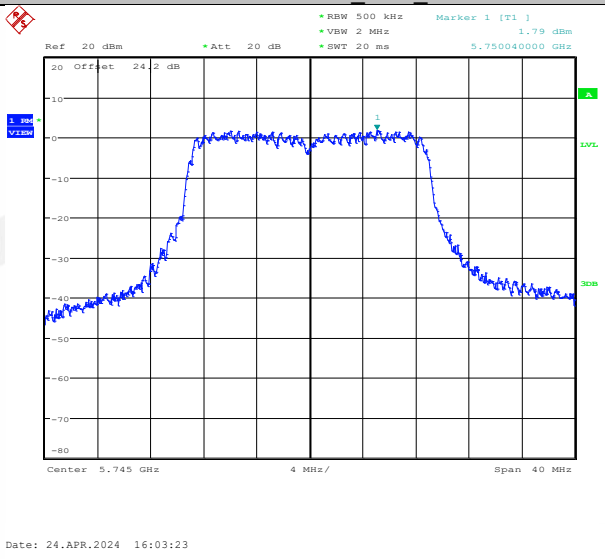

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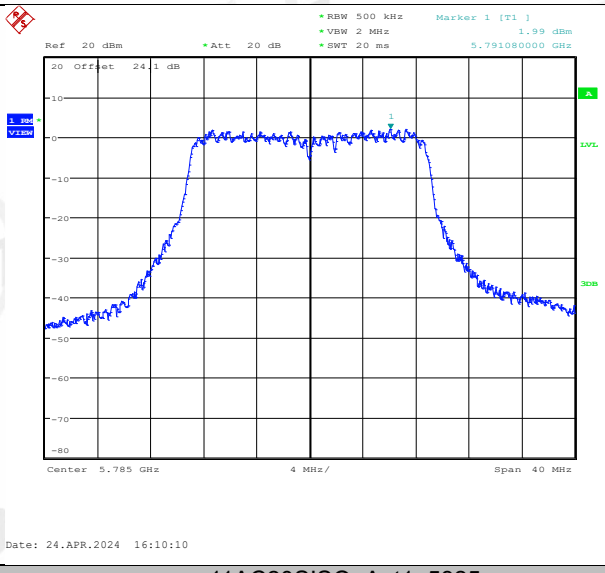

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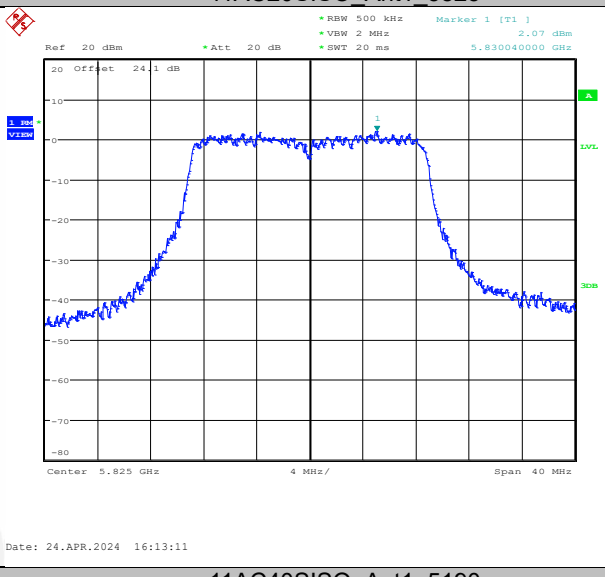

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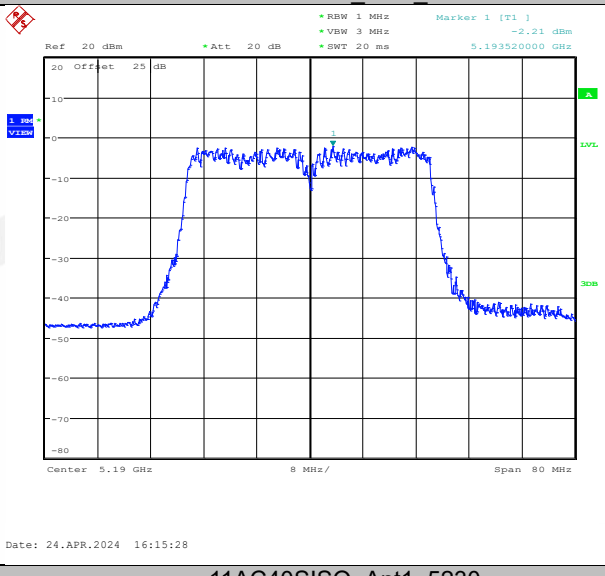

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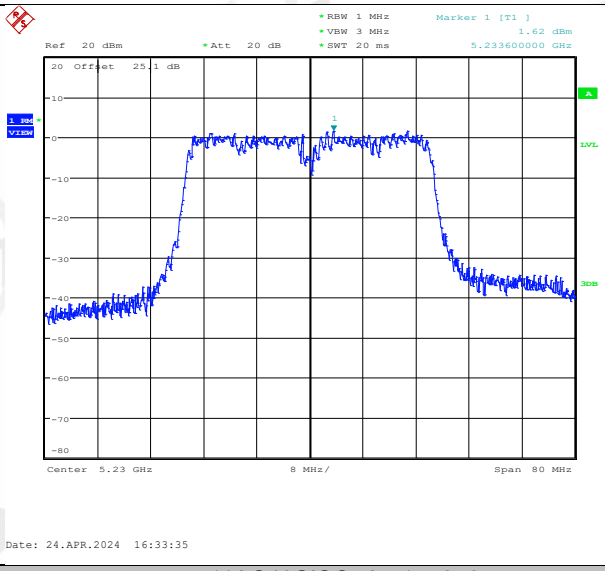

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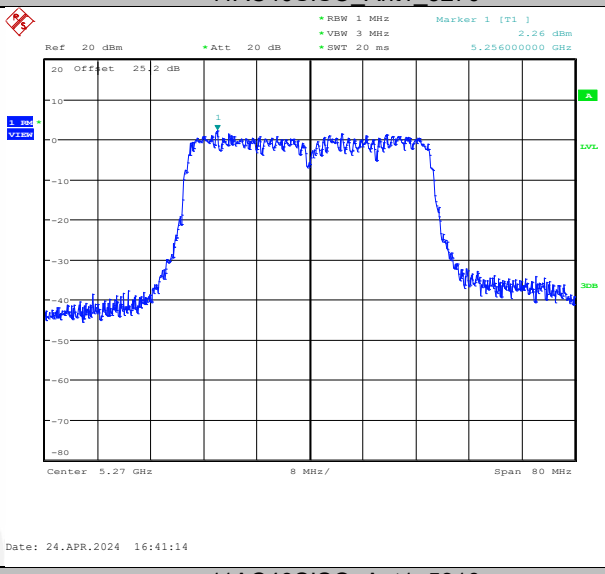

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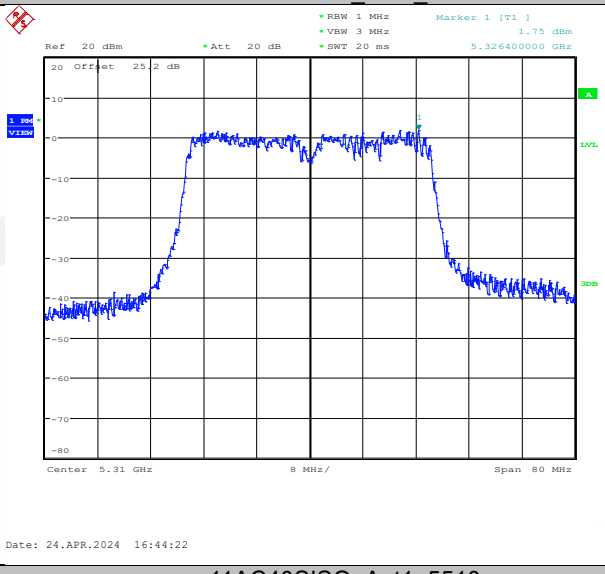

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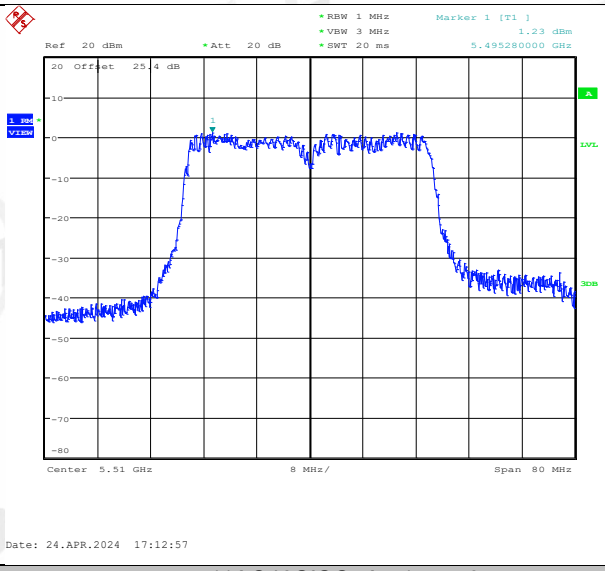

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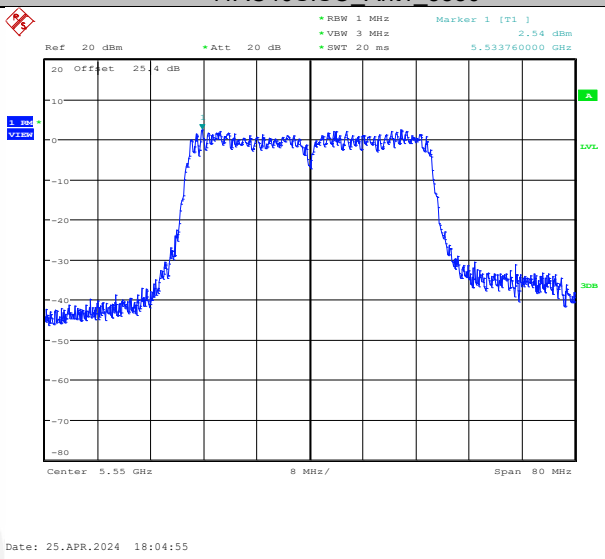

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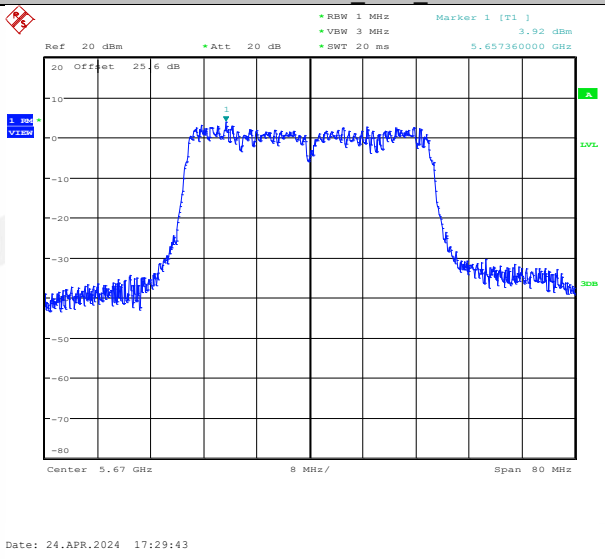

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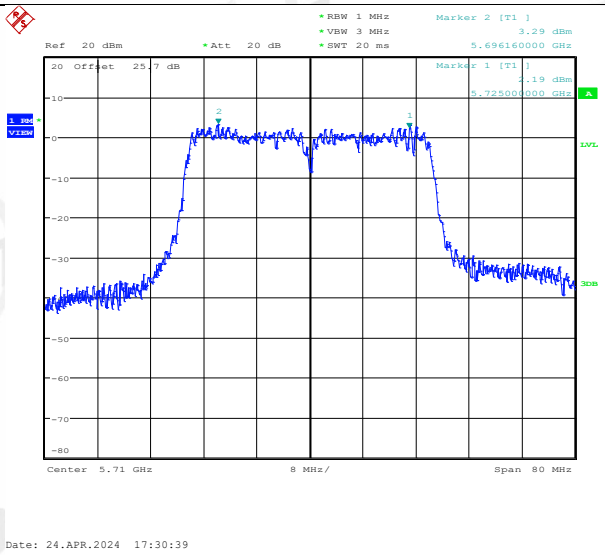

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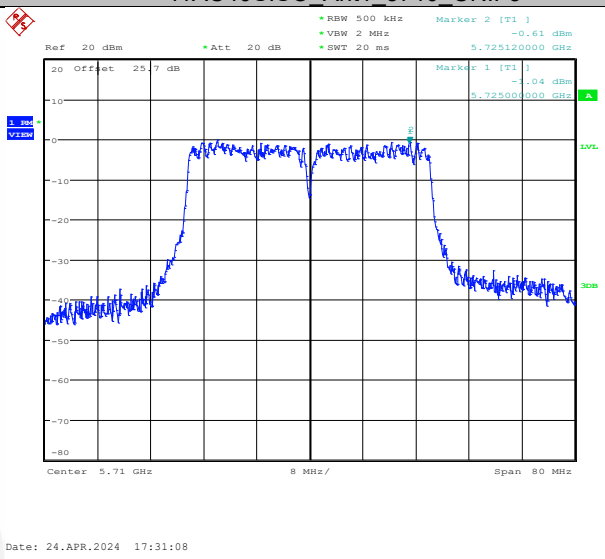

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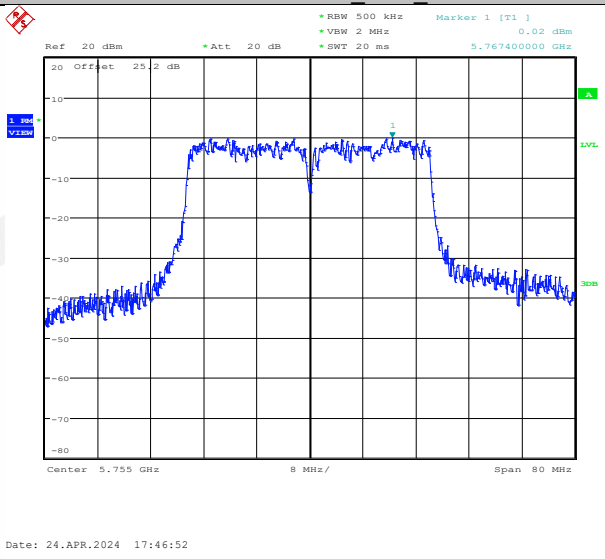

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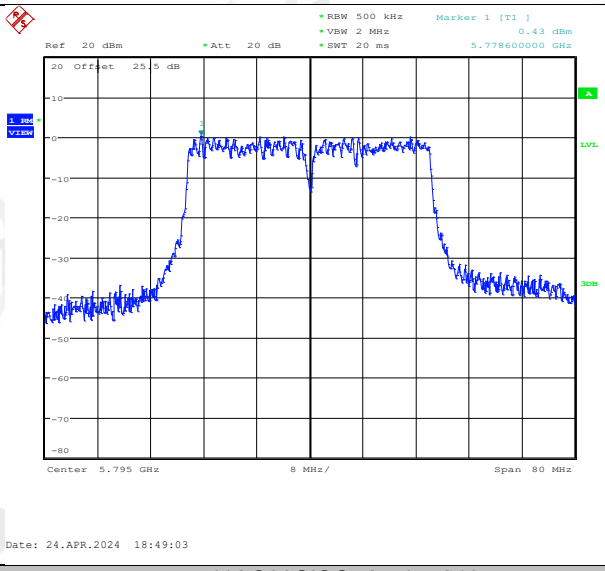

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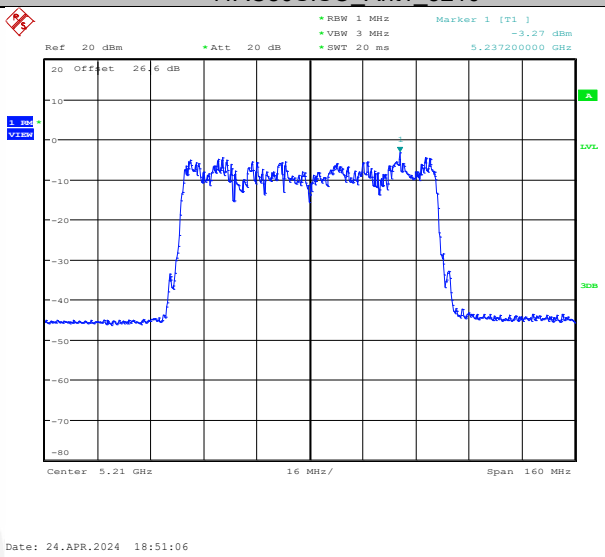
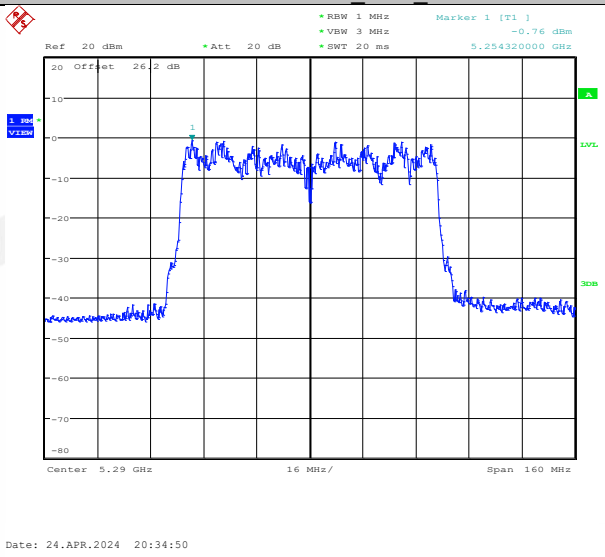


11AC80SISO_Ant1_5290



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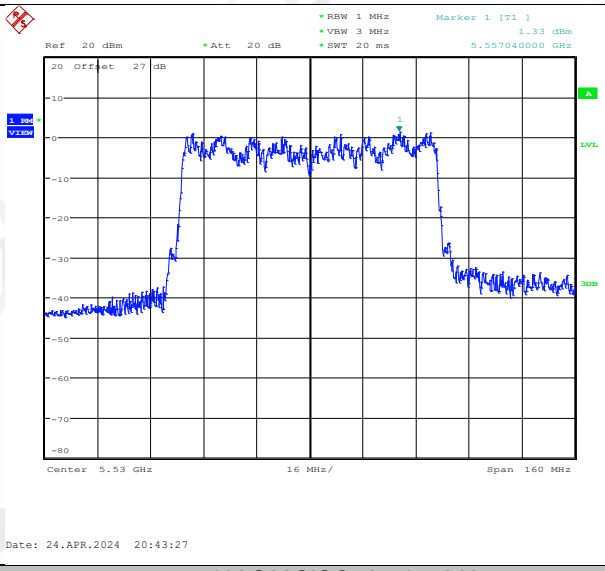

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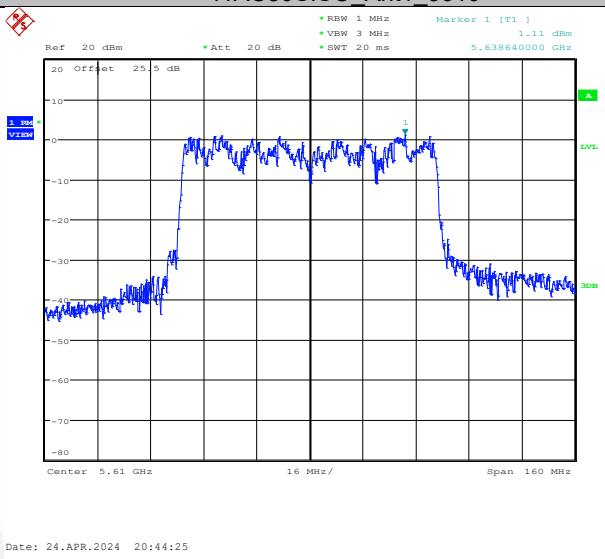
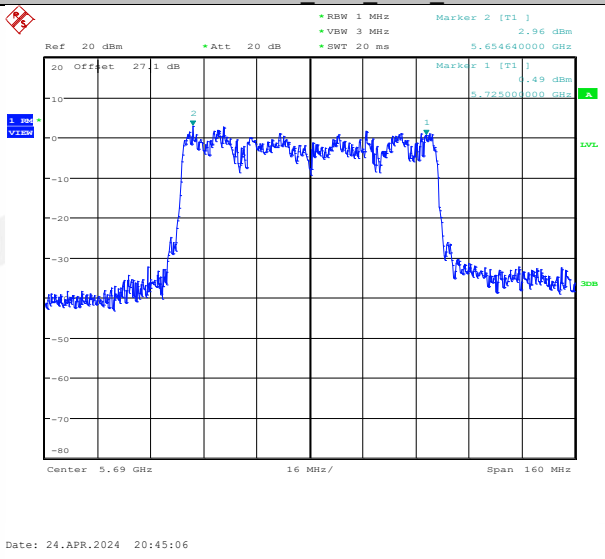


11AC80SISO_Ant1_5690_UNII-2C



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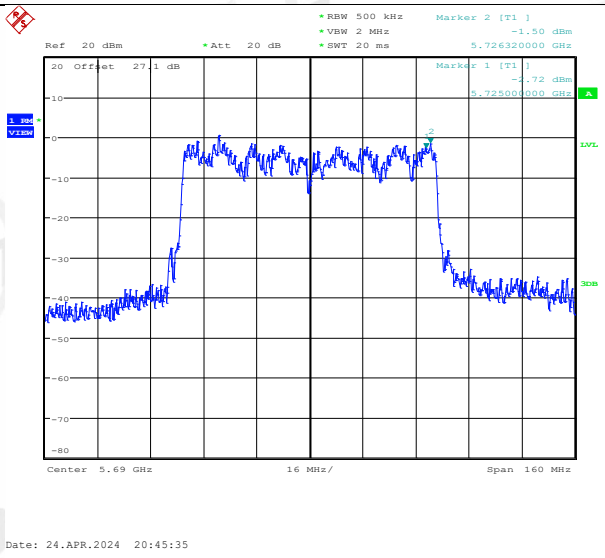

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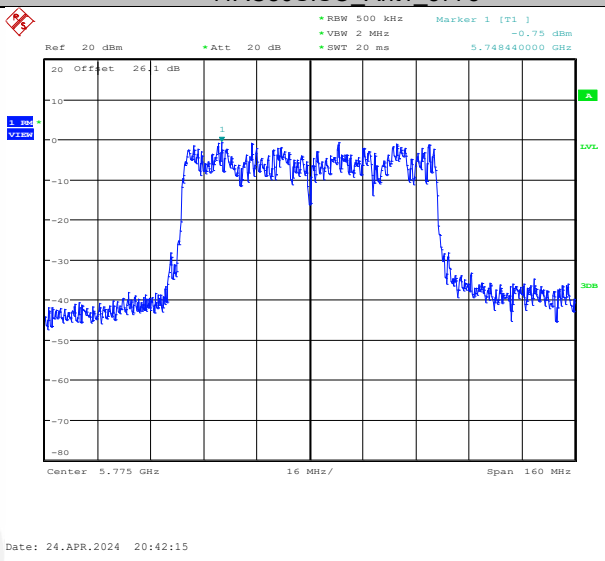


10. Frequency Stability Measurement

10.1. Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

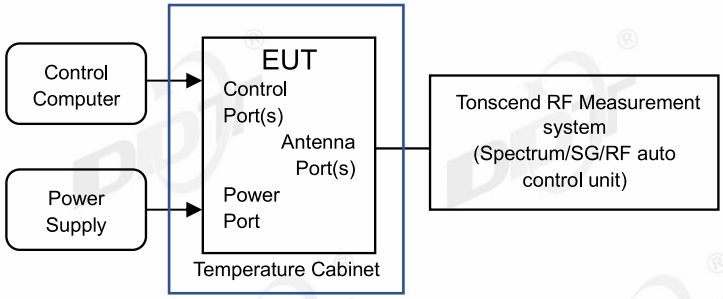
10.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

10.3. Test procedures

(1) To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
(2) The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10 dB lower than the measured peak value.
(3) The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

10.4. Test setup



10.5. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	25.3℃,60.6%RH	Test Date:	2024.04.19-2024.04.28
Test Power Supply:	DC 5V from external adapter	Sample Number:	S24021902-001

Voltage								
Test Mode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-40000.00	-7.722008	20	PASS
			LV	NT	-60000.00	-11.583012	20	PASS
			HV	NT	-60000.00	-11.583012	20	PASS
		5200	NV	NT	-80000.00	-15.384615	20	PASS
			LV	NT	-60000.00	-11.538462	20	PASS
			HV	NT	-60000.00	-11.538462	20	PASS
		5240	NV	NT	-20000.00	-3.816794	20	PASS
			LV	NT	-40000.00	-7.633588	20	PASS
			HV	NT	-20000.00	-3.816794	20	PASS
		5260	NV	NT	-40000.00	-7.604563	20	PASS
			LV	NT	-80000.00	-15.209125	20	PASS
			HV	NT	-20000.00	-3.802281	20	PASS
		5280	NV	NT	-40000.00	-7.575758	20	PASS
			LV	NT	-40000.00	-7.575758	20	PASS
			HV	NT	-60000.00	-11.363636	20	PASS
		5320	NV	NT	-40000.00	-7.518797	20	PASS
			LV	NT	-40000.00	-7.518797	20	PASS
			HV	NT	-40000.00	-7.518797	20	PASS
		5500	NV	NT	-40000.00	-7.272727	20	PASS
			LV	NT	-40000.00	-7.272727	20	PASS
			HV	NT	-40000.00	-7.272727	20	PASS
		5580	NV	NT	-40000.00	-7.168459	20	PASS
			LV	NT	-60000.00	-10.752688	20	PASS
			HV	NT	-60000.00	-10.752688	20	PASS
		5700	NV	NT	-80000.00	-14.035088	20	PASS
			LV	NT	-80000.00	-14.035088	20	PASS
			HV	NT	-60000.00	-10.526316	20	PASS
		5720	NV	NT	-80000.00	-13.986014	20	PASS
			LV	NT	-80000.00	-13.986014	20	PASS
			HV	NT	-80000.00	-13.986014	20	PASS
		5745	NV	NT	-60000.00	-10.443864	20	PASS
			LV	NT	-60000.00	-10.443864	20	PASS
			HV	NT	-60000.00	-10.443864	20	PASS
		5785	NV	NT	-60000.00	-10.371651	20	PASS
			LV	NT	-60000.00	-10.371651	20	PASS
			HV	NT	-60000.00	-10.371651	20	PASS
		5825	NV	NT	-60000.00	-10.300429	20	PASS
			LV	NT	-80000.00	-13.733906	20	PASS
			HV	NT	-80000.00	-13.733906	20	PASS
11N40SISO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-40000.00	-7.707129	20	PASS
			HV	NT	-40000.00	-7.707129	20	PASS
		5230	NV	NT	-80000.00	-15.296367	20	PASS
			LV	NT	-80000.00	-15.296367	20	PASS
			HV	NT	-80000.00	-15.296367	20	PASS
		5270	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5310	NV	NT	-40000.00	-7.532957	20	PASS
			LV	NT	-40000.00	-7.532957	20	PASS
			HV	NT	-40000.00	-7.532957	20	PASS
		5510	NV	NT	-40000.00	-7.259528	20	PASS
			LV	NT	-40000.00	-7.259528	20	PASS
			HV	NT	-40000.00	-7.259528	20	PASS

		5550	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5670	NV	NT	-80000.00	-14.109347	20	PASS
			LV	NT	-40000.00	-7.054674	20	PASS
			HV	NT	-80000.00	-14.109347	20	PASS
		5710	NV	NT	-80000.00	-14.010508	20	PASS
			LV	NT	-80000.00	-14.010508	20	PASS
			HV	NT	-40000.00	-7.005254	20	PASS
		5755	NV	NT	-40000.00	-6.950478	20	PASS
			LV	NT	-40000.00	-6.950478	20	PASS
			HV	NT	-40000.00	-6.950478	20	PASS
		5795	NV	NT	-40000.00	-6.902502	20	PASS
			LV	NT	-40000.00	-6.902502	20	PASS
			HV	NT	-40000.00	-6.902502	20	PASS
			LV	NT	-60000.00	-10.371651	20	PASS
			HV	NT	-80000.00	-13.828868	20	PASS
11AC80SISO	Ant1	5210	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-80000.00	-15.355086	20	PASS
		5290	NV	NT	-80000.00	-15.122873	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5530	NV	NT	-80000.00	-14.466546	20	PASS
			LV	NT	-80000.00	-14.466546	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5610	NV	NT	-80000.00	-14.260250	20	PASS
			LV	NT	-80000.00	-14.466546	20	PASS
			HV	NT	-80000.00	-14.260250	20	PASS
		5690	NV	NT	-80000.00	-14.466546	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-80000.00	-14.466546	20	PASS
		5775	NV	NT	-80000.00	-13.852814	20	PASS
			LV	NT	-80000.00	-14.466546	20	PASS
			HV	NT	0.00	0.000000	20	PASS

Temperature								
Test Mode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-40000.00	-7.722008	20	PASS
			NV	-20	-40000.00	-7.722008	20	PASS
			NV	-10	-80000.00	-15.444015	20	PASS
			NV	0	-40000.00	-7.722008	20	PASS
			NV	10	-60000.00	-11.583012	20	PASS
			NV	20	-40000.00	-7.722008	20	PASS
			NV	30	-60000.00	-11.583012	20	PASS
			NV	40	-60000.00	-11.583012	20	PASS
			NV	50	-60000.00	-11.583012	20	PASS
		5200	NV	-30	-40000.00	-7.692308	20	PASS
			NV	-20	-80000.00	-15.384615	20	PASS
			NV	-10	-40000.00	-7.692308	20	PASS
			NV	0	-80000.00	-15.384615	20	PASS
			NV	10	-20000.00	-3.846154	20	PASS
			NV	20	-80000.00	-15.384615	20	PASS
			NV	30	-80000.00	-15.384615	20	PASS
			NV	40	-60000.00	-11.538462	20	PASS
			NV	50	-60000.00	-11.538462	20	PASS
		5240	NV	-30	-20000.00	-3.816794	20	PASS
			NV	-20	-20000.00	-3.816794	20	PASS
			NV	-10	-40000.00	-7.633588	20	PASS
			NV	0	-80000.00	-15.267176	20	PASS
			NV	10	-60000.00	-11.450382	20	PASS
			NV	20	-40000.00	-7.633588	20	PASS
			NV	30	-40000.00	-7.633588	20	PASS

			NV	40	-40000.00	-7.633588	20	PASS
			NV	50	-60000.00	-11.450382	20	PASS
		5260	NV	-30	-80000.00	-15.209125	20	PASS
			NV	-20	-40000.00	-7.604563	20	PASS
			NV	-10	-60000.00	-11.406844	20	PASS
			NV	0	-20000.00	-3.802281	20	PASS
			NV	10	-40000.00	-7.604563	20	PASS
			NV	20	-40000.00	-7.604563	20	PASS
			NV	30	-80000.00	-15.209125	20	PASS
			NV	40	-60000.00	-11.406844	20	PASS
			NV	50	-60000.00	-11.406844	20	PASS
		5280	NV	-30	-20000.00	-3.787879	20	PASS
			NV	-20	-40000.00	-7.575758	20	PASS
			NV	-10	-40000.00	-7.575758	20	PASS
			NV	0	-20000.00	-3.787879	20	PASS
			NV	10	-40000.00	-7.575758	20	PASS
			NV	20	-20000.00	-3.787879	20	PASS
			NV	30	-40000.00	-7.575758	20	PASS
			NV	40	-20000.00	-3.787879	20	PASS
			NV	50	-20000.00	-3.787879	20	PASS
		5320	NV	-30	-40000.00	-7.518797	20	PASS
			NV	-20	-40000.00	-7.518797	20	PASS
			NV	-10	-40000.00	-7.518797	20	PASS
			NV	0	-40000.00	-7.518797	20	PASS
			NV	10	-40000.00	-7.518797	20	PASS
			NV	20	-40000.00	-7.518797	20	PASS
			NV	30	-40000.00	-7.518797	20	PASS
			NV	40	-40000.00	-7.518797	20	PASS
			NV	50	-40000.00	-7.518797	20	PASS
		5500	NV	-30	-40000.00	-7.272727	20	PASS
			NV	-20	-40000.00	-7.272727	20	PASS
			NV	-10	-60000.00	-10.909091	20	PASS
			NV	0	-40000.00	-7.272727	20	PASS
			NV	10	-40000.00	-7.272727	20	PASS
			NV	20	-40000.00	-7.272727	20	PASS
			NV	30	-40000.00	-7.272727	20	PASS
			NV	40	-60000.00	-10.909091	20	PASS
			NV	50	-40000.00	-7.272727	20	PASS
		5580	NV	-30	-60000.00	-10.752688	20	PASS
			NV	-20	-40000.00	-7.168459	20	PASS
			NV	-10	-60000.00	-10.752688	20	PASS
			NV	0	-60000.00	-10.752688	20	PASS
			NV	10	-40000.00	-7.168459	20	PASS
			NV	20	-40000.00	-7.168459	20	PASS
			NV	30	-40000.00	-7.168459	20	PASS
			NV	40	-60000.00	-10.752688	20	PASS
			NV	50	-40000.00	-7.168459	20	PASS
		5700	NV	-30	-80000.00	-14.035088	20	PASS
			NV	-20	-60000.00	-10.526316	20	PASS
			NV	-10	-80000.00	-14.035088	20	PASS
			NV	0	-80000.00	-14.035088	20	PASS
			NV	10	-80000.00	-14.035088	20	PASS
			NV	20	-80000.00	-14.035088	20	PASS
			NV	30	-60000.00	-10.526316	20	PASS
			NV	40	-80000.00	-14.035088	20	PASS
			NV	50	-80000.00	-14.035088	20	PASS
		5720	NV	-30	-60000.00	-10.489510	20	PASS
			NV	-20	-60000.00	-10.489510	20	PASS
			NV	-10	-60000.00	-10.489510	20	PASS
			NV	0	-60000.00	-10.489510	20	PASS
			NV	10	-60000.00	-10.489510	20	PASS
			NV	20	-80000.00	-13.986014	20	PASS
			NV	30	-60000.00	-10.489510	20	PASS
			NV	40	-60000.00	-10.489510	20	PASS

			NV	50	-60000.00	-10.489510	20	PASS
		5745	NV	-30	-80000.00	-13.925152	20	PASS
			NV	-20	-80000.00	-13.925152	20	PASS
			NV	-10	-80000.00	-13.925152	20	PASS
			NV	0	-80000.00	-13.925152	20	PASS
			NV	10	-60000.00	-10.443864	20	PASS
			NV	20	-80000.00	-13.925152	20	PASS
			NV	30	-80000.00	-13.925152	20	PASS
			NV	40	-80000.00	-13.925152	20	PASS
			NV	50	-60000.00	-10.443864	20	PASS
		5785	NV	-30	-60000.00	-10.371651	20	PASS
			NV	-20	-60000.00	-10.371651	20	PASS
			NV	-10	-80000.00	-13.828868	20	PASS
			NV	0	-60000.00	-10.371651	20	PASS
			NV	10	-60000.00	-10.371651	20	PASS
			NV	20	-60000.00	-10.371651	20	PASS
			NV	30	-60000.00	-10.371651	20	PASS
			NV	40	-60000.00	-10.371651	20	PASS
			NV	50	-60000.00	-10.371651	20	PASS
		5825	NV	-30	-80000.00	-13.733906	20	PASS
			NV	-20	-80000.00	-13.733906	20	PASS
			NV	-10	-80000.00	-13.733906	20	PASS
			NV	0	-80000.00	-13.733906	20	PASS
			NV	10	-80000.00	-13.733906	20	PASS
			NV	20	-80000.00	-13.733906	20	PASS
			NV	30	-80000.00	-13.733906	20	PASS
			NV	40	-80000.00	-13.733906	20	PASS
			NV	50	-80000.00	-13.733906	20	PASS
11N40SISO	Ant1	5190	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-40000.00	-7.707129	20	PASS
			NV	-10	-80000.00	-15.414258	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.707129	20	PASS
			NV	20	-40000.00	-7.707129	20	PASS
			NV	30	-80000.00	-15.414258	20	PASS
			NV	40	-40000.00	-7.707129	20	PASS
			NV	50	-40000.00	-7.707129	20	PASS
		5230	NV	-30	-80000.00	-15.296367	20	PASS
			NV	-20	-80000.00	-15.296367	20	PASS
			NV	-10	-80000.00	-15.296367	20	PASS
			NV	0	-80000.00	-15.296367	20	PASS
			NV	10	-80000.00	-15.296367	20	PASS
			NV	20	-80000.00	-15.296367	20	PASS
			NV	30	-80000.00	-15.296367	20	PASS
			NV	40	-80000.00	-15.296367	20	PASS
			NV	50	-80000.00	-15.296367	20	PASS
		5270	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-40000.00	-7.590133	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.590133	20	PASS
			NV	20	-40000.00	-7.590133	20	PASS
			NV	30	-40000.00	-7.590133	20	PASS
			NV	40	-80000.00	-15.180266	20	PASS
			NV	50	-80000.00	-15.180266	20	PASS
		5310	NV	-30	-40000.00	-7.532957	20	PASS
			NV	-20	-40000.00	-7.532957	20	PASS
			NV	-10	-40000.00	-7.532957	20	PASS
			NV	0	-40000.00	-7.532957	20	PASS
			NV	10	-40000.00	-7.532957	20	PASS
			NV	20	-40000.00	-7.532957	20	PASS
			NV	30	-40000.00	-7.532957	20	PASS
			NV	40	-40000.00	-7.532957	20	PASS
			NV	50	-40000.00	-7.532957	20	PASS

		5510	NV	-30	-40000.00	-7.259528	20	PASS
			NV	-20	-40000.00	-7.259528	20	PASS
			NV	-10	-40000.00	-7.259528	20	PASS
			NV	0	-40000.00	-7.259528	20	PASS
			NV	10	-40000.00	-7.259528	20	PASS
			NV	20	-40000.00	-7.259528	20	PASS
			NV	30	-40000.00	-7.259528	20	PASS
			NV	40	-40000.00	-7.259528	20	PASS
			NV	50	-40000.00	-7.259528	20	PASS
		5550	NV	-30	-80000.00	-14.414414	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-40000.00	-7.207207	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-7.207207	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-7.207207	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5670	NV	-30	-40000.00	-7.054674	20	PASS
			NV	-20	-80000.00	-14.109347	20	PASS
			NV	-10	-80000.00	-14.109347	20	PASS
			NV	0	-80000.00	-14.109347	20	PASS
			NV	10	-80000.00	-14.109347	20	PASS
			NV	20	-80000.00	-14.109347	20	PASS
			NV	30	-80000.00	-14.109347	20	PASS
			NV	40	-80000.00	-14.109347	20	PASS
			NV	50	-80000.00	-14.109347	20	PASS
		5710	NV	-30	-80000.00	-14.010508	20	PASS
			NV	-20	-80000.00	-14.010508	20	PASS
			NV	-10	-80000.00	-14.010508	20	PASS
			NV	0	-80000.00	-14.010508	20	PASS
			NV	10	-80000.00	-14.010508	20	PASS
			NV	20	-80000.00	-14.010508	20	PASS
			NV	30	-40000.00	-7.005254	20	PASS
			NV	40	-80000.00	-14.010508	20	PASS
			NV	50	-80000.00	-14.010508	20	PASS
		5755	NV	-30	-40000.00	-6.950478	20	PASS
			NV	-20	-40000.00	-6.950478	20	PASS
			NV	-10	-40000.00	-6.950478	20	PASS
			NV	0	-40000.00	-6.950478	20	PASS
			NV	10	-40000.00	-6.950478	20	PASS
			NV	20	-80000.00	-13.900956	20	PASS
			NV	30	-40000.00	-6.950478	20	PASS
			NV	40	-40000.00	-6.950478	20	PASS
			NV	50	-80000.00	-13.900956	20	PASS
		5795	NV	-30	-40000.00	-6.902502	20	PASS
			NV	-20	-40000.00	-6.902502	20	PASS
			NV	-10	-40000.00	-6.902502	20	PASS
			NV	0	-40000.00	-6.902502	20	PASS
			NV	10	-40000.00	-6.902502	20	PASS
			NV	20	-40000.00	-6.902502	20	PASS
			NV	30	-80000.00	-13.805004	20	PASS
			NV	40	-40000.00	-6.902502	20	PASS
			NV	50	-40000.00	-6.902502	20	PASS
11AC80SISO	Ant1	5210	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-80000.00	-15.355086	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-80000.00	-14.466546	20	PASS
			NV	20	-80000.00	-14.466546	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5290	NV	-30	0.00	0.000000	20	PASS

			NV	-20	-80000.00	-15.122873	20	PASS
			NV	-10	-80000.00	-14.466546	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-80000.00	-15.122873	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-80000.00	-14.466546	20	PASS
			NV	40	-80000.00	-15.122873	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5530	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-80000.00	-14.466546	20	PASS
			NV	20	-80000.00	-14.466546	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-80000.00	-14.466546	20	PASS
		5610	NV	-30	-80000.00	-14.466546	20	PASS
			NV	-20	-80000.00	-14.260250	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-80000.00	-14.260250	20	PASS
			NV	20	-80000.00	-14.466546	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-80000.00	-14.260250	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5690	NV	-30	-80000.00	-14.466546	20	PASS
			NV	-20	-80000.00	-14.466546	20	PASS
			NV	-10	-80000.00	-14.466546	20	PASS
			NV	0	-80000.00	-14.466546	20	PASS
			NV	10	-80000.00	-14.466546	20	PASS
			NV	20	-80000.00	-14.466546	20	PASS
			NV	30	-80000.00	-14.059754	20	PASS
			NV	40	-80000.00	-14.466546	20	PASS
			NV	50	-80000.00	-14.466546	20	PASS
		5775	NV	-30	-80000.00	-14.466546	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-80000.00	-13.852814	20	PASS
			NV	0	-80000.00	-14.466546	20	PASS
			NV	10	-80000.00	-13.852814	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-80000.00	-14.466546	20	PASS
			NV	40	-80000.00	-13.852814	20	PASS
			NV	50	-80000.00	-14.466546	20	PASS

11. Dynamic Frequency Selection

11.1. Applicability of DFS requirements

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	☐Master	☒Client Without Radar Detection	☐Client with Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	☐Master Device or Client with Radar Detection	☒Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	☐Master Device or Client with Radar Detection	☒Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

11.2. Limit

(1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

(2) DFS Response Requirements

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

11.3. Parameters of radar test waveforms

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu sec}}\right)\right\}$	60%	30
		Test B			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.
Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a
Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A

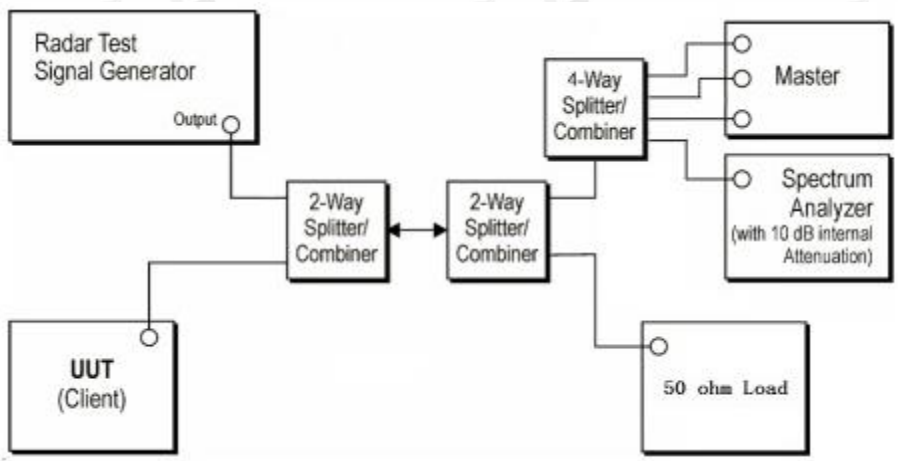
A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4

11.4. Calibration of radar waveform

Radar Waveform Calibration Procedure:

(1) A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to place of the master
(2) The interference Radar Detection Threshold Level is -62dBm + 0dBi +1dB = -61dBm that had been taken into account the output power range and antenna gain.
(3) The following equipment setup was used to calibrate the conducted radar waveform. A vector signal generator was utilized to establish the test signal level for radar type 0. During this process there were no transmissions by either the master or client device. The spectrum analyzer was switched to the zero spans (time domain) at the frequency of the radar waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz. The spectrum analyzer had offset -1.0dB to compensate RF cable loss 1.0dB.
(4) The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was - -62dBm + 0dBi +1dB = -61dBm. Capture the spectrum analyzer plots on short pulse radar waveform.

Conducted Calibration Setup:

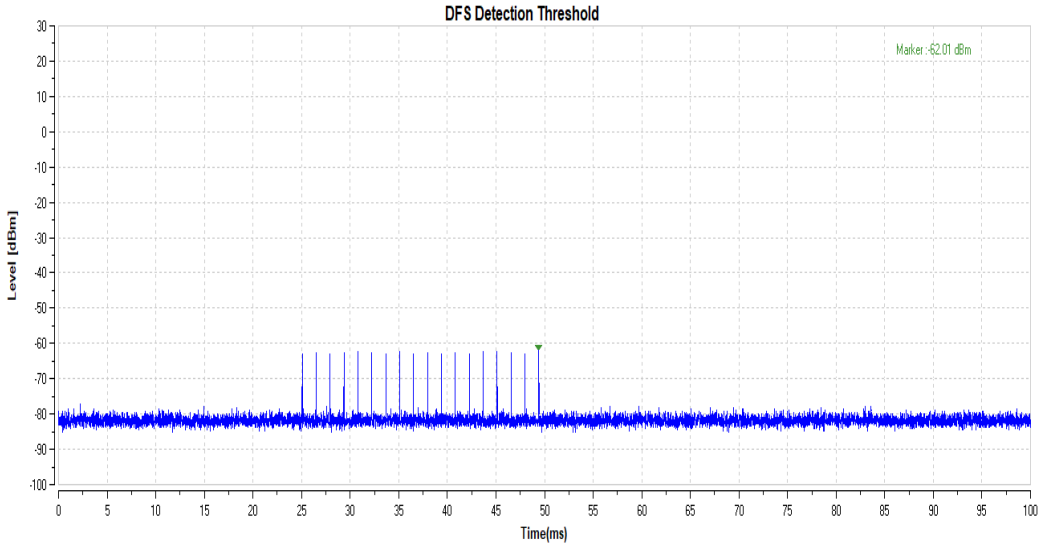


Note: 1. Use the software "Web" to set the frequency channel.

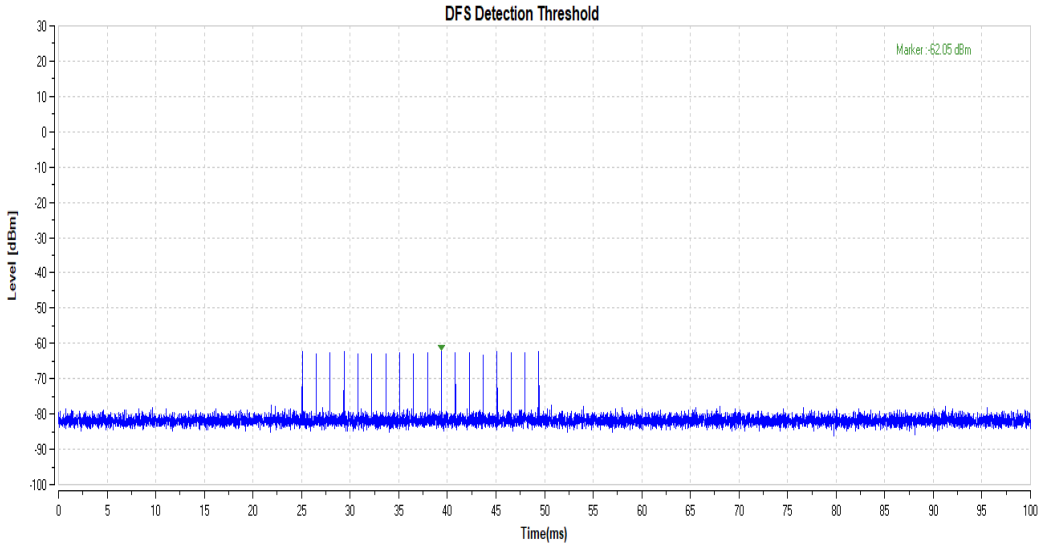
2. EUT is not support TPC and not with Radar detection.

TestMode	Frequency [MHz]	Radar Type	Result	Limit[dbm]	Verdict
11AC80MIMO	5290	Type0	-62.01	-62.00	PASS
	5530	Type0	-62.05	-62.00	PASS

11AC80MIMO_5290_Type0



11AC80MIMO_5530_Type0



11.5. Channel closing transmission time, channel move time and non-occupancy period

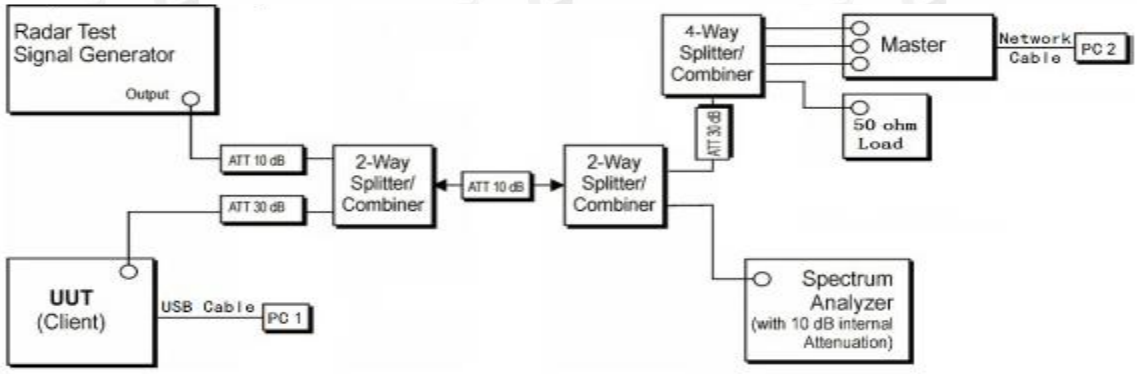
Block diagram of test setup Test Procedure:

(1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
(2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
(3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
(4) EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Test Software in order to properly load the network for the entire period of the test.
(5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
(6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
(7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the
(8) spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

11.6. Test setup

Setup for Client with injection at the Master



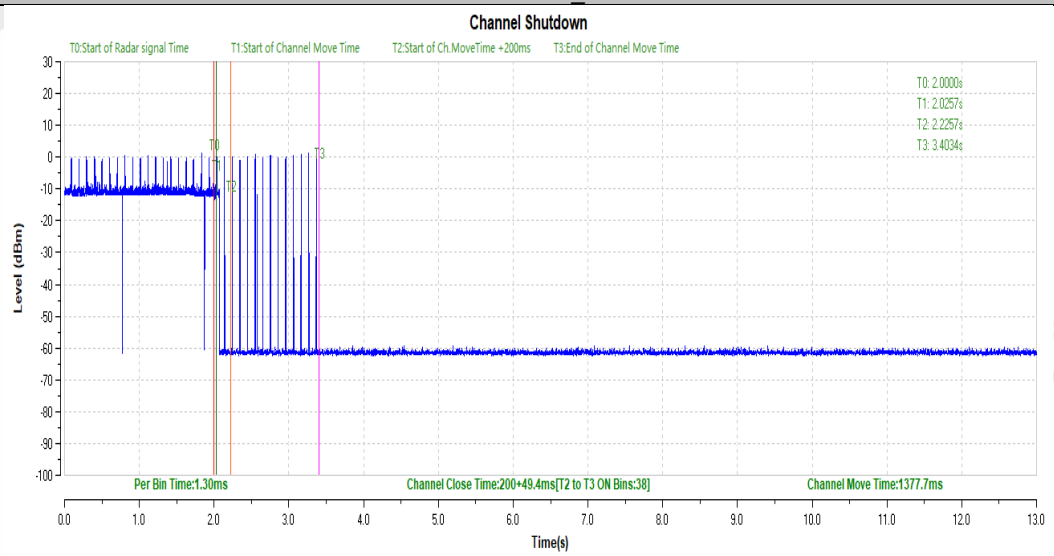
11.7. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	25.3℃,60.6%RH	Test Date:	2024.04.19-2024.04.28
Test Power Supply:	DC 5V from external adapter	Sample Number:	S24021902-001

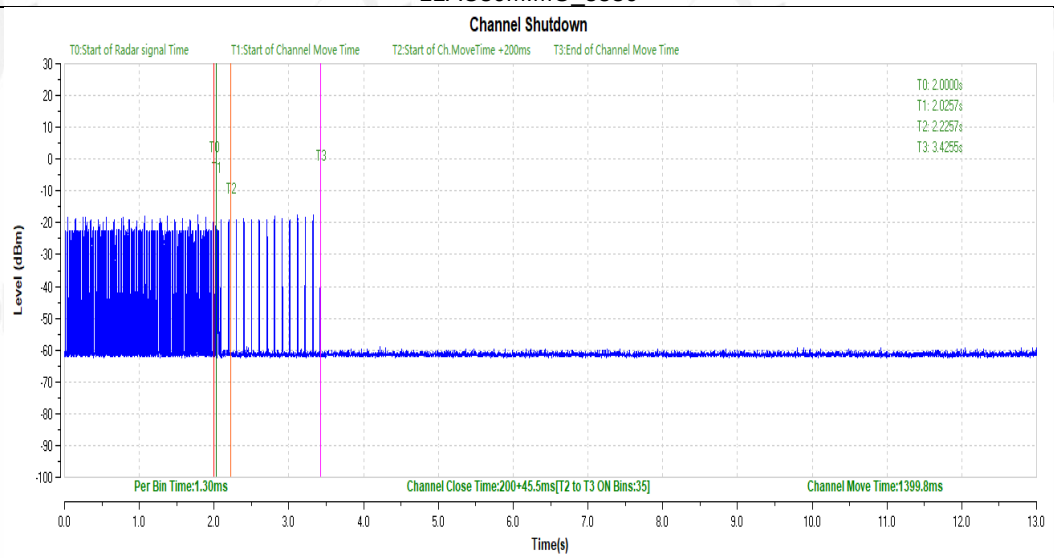
TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80MIMO	5290	200+49.4	200+60	1377.7	10000	PASS
11AC80MIMO	5530	200+45.5	200+60	1399.8	10000	PASS

Test plots as follows:

11AC80MIMO_5290



11AC80MIMO_5530



12. Antenna Requirements

12.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

12.2. Result

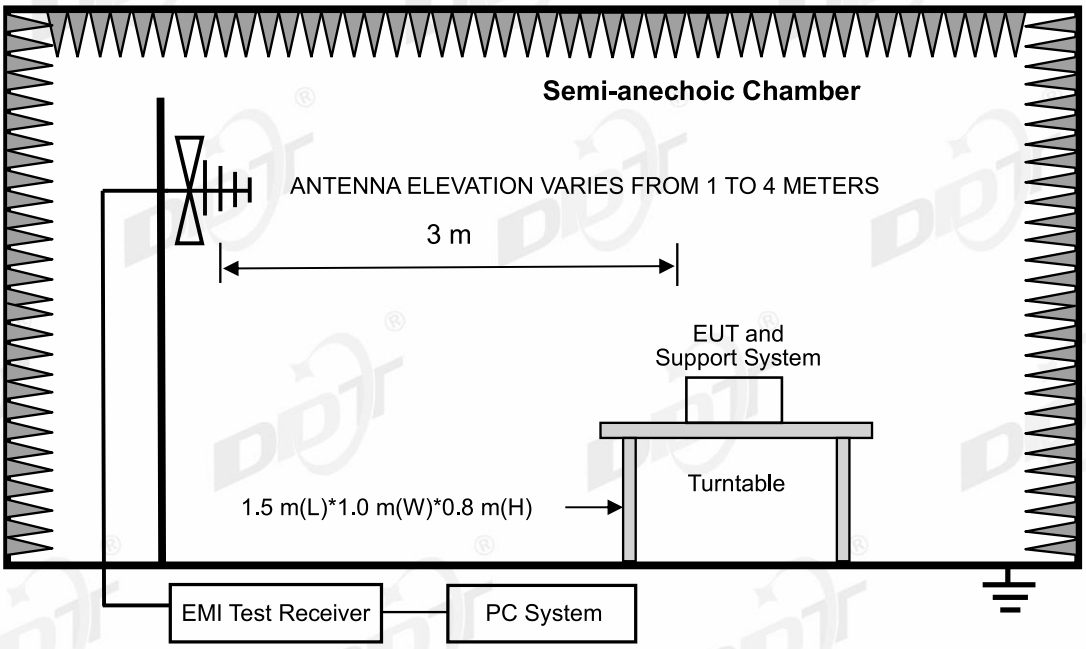
The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.

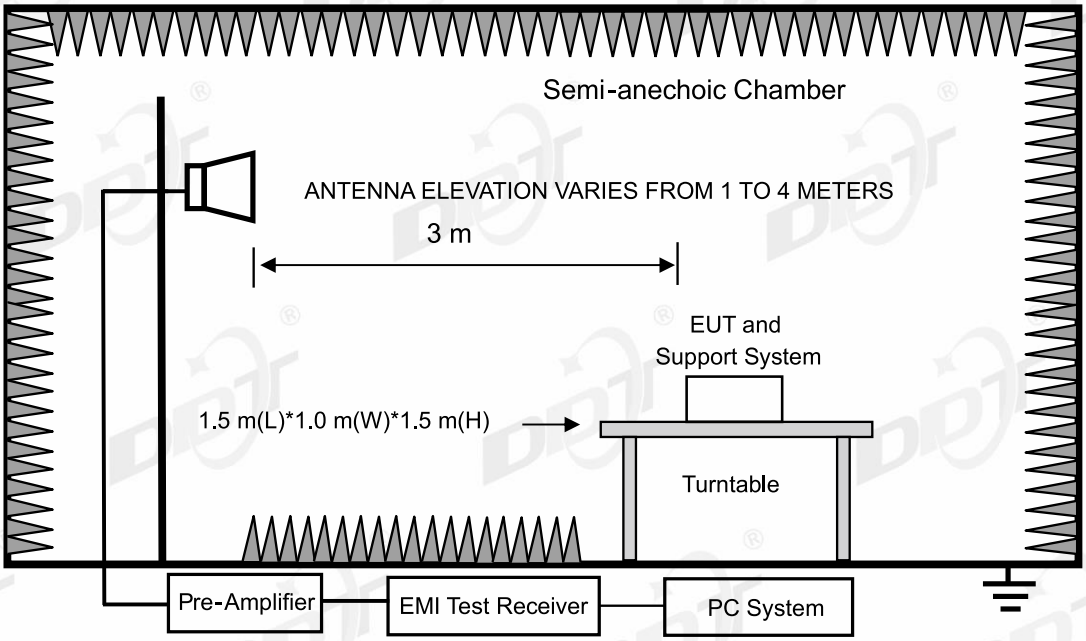
13.Radiated Emission

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2024/07/11
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2025/04/01
ELECTRIC AND MAGNETIC FIELD ANALYZER	Narda	EHP-200A	DDT-ZC01401	2024/09/20
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2025/04/01
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/10
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2024/05/14
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2025/04/01
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2025/04/01
Hochgewinn-Hornantenne	Schwarzbeck Mess-Elektronik	BBHA 9120 D	DDT-ZC02129	2025/09/17
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/04/01
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2024/05/14
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2025/04/01
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/04/01
High Pass filter	XIANXINGBO	XBLBQ-GTA67	DDT-ZC02179	2024/05/14
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2024/07/14
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2025/04/25
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2025/04/01

13.2. Block diagram of test setup





13.3. Limits

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2

4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

1Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

2Above 38.6

(2) FCC 15.209 Limit

FREQUENCY MHz			DISTANCE Meters	FIELD STRENGTHS LIMIT	
				mV/m	dB(mV)/m
0.009 ~ 0.490			300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705			30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0			30	30	29.54
30	~	88	3	100	40.0
88	~	216	3	150	43.5
216	~	960	3	200	46.0
960	~	1000	3	500	54.0
Above		1000	3	74.0 dB(mV)/m (Peak) 54.0 dB(mV)/m (Average)	

Note:

(1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz, radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$Limit_{3m}(dBuV/m) = Limit_{30m}(dBuV/m) + 40Log(30m/3m)$$

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits.

13.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
AC Adapter	HUAWEI	HW-050450C00	Input: 100-240V~ 50/60Hz, Output: 5V/2A or 4.5V/5A or 5V/4.5A	N/A

13.5. Test procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.

(2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna(1 GHz-18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna(18 GHz-40 GHz)	1 m

According ANSI C63.10:2013 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30MHz, the trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz,110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.

13.6. Test result

PASS. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits.

Note1: According exploratory test no any obvious emission was detected from 9 kHz to 30 MHz

and 18 GHz to 40 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

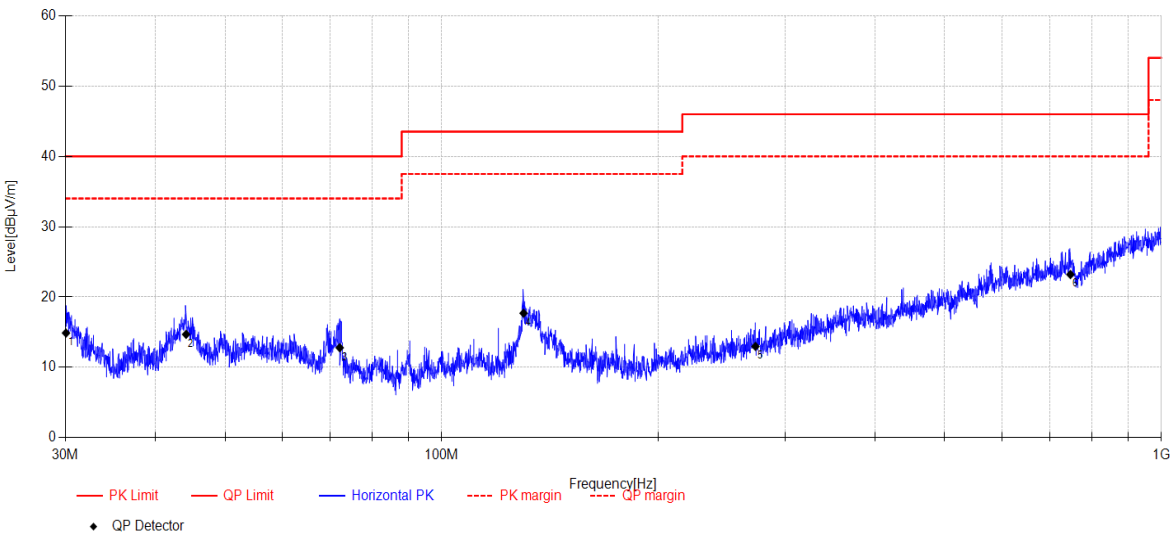
Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in 802.11ac20 Tx 5700MHz mode.

Note3: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	5G WIFI TX	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-1E\FCC BELOW 1G\20240424-185756_H		
Memo:	Sample Number:S24021902-001 Power Setting:NA		

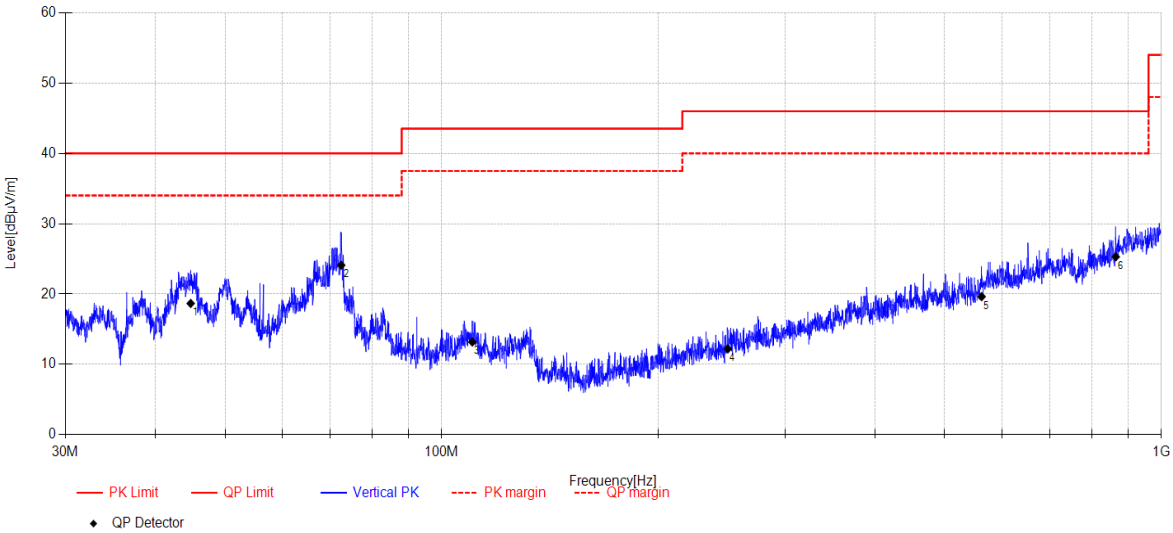


Data List										
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable Loss [dB]**	**AMP [dB]**	**Result [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	30.063	31.11	10.31	4.47	-31.00	14.89	40.00	25.11	QP	Horizontal
2	44.148	27.81	13.03	4.65	-30.79	14.70	40.00	25.30	QP	Horizontal
3	72.173	29.02	9.53	4.80	-30.55	12.80	40.00	27.20	QP	Horizontal
4	129.976	34.12	9.18	5.22	-30.81	17.71	43.50	25.79	QP	Horizontal
5	272.922	24.83	12.50	6.04	-30.38	12.99	46.00	33.01	QP	Horizontal
6	747.526	25.2	20.05	7.86	-29.90	23.21	46.00	22.79	QP	Horizontal

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	5G WIFI TX	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-1E\FCC BELOW 1G\20240424-185817_V		
Memo:	Sample Number:S24021902-001 Power Setting:NA		



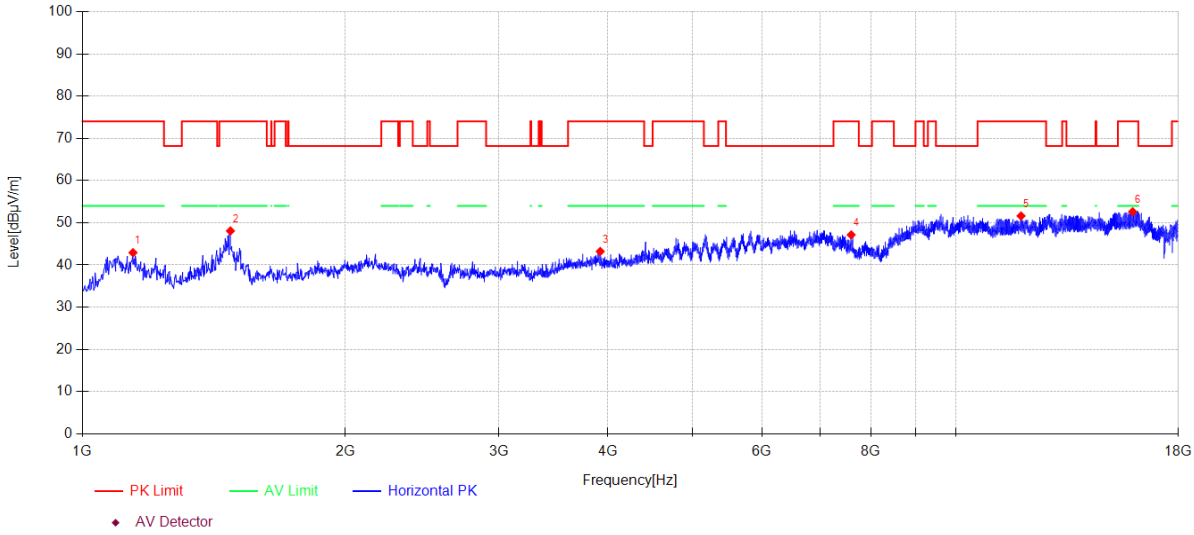
Data List										
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable Loss [dB]**	**AMP [dB]**	**Result [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	44.803	31.63	13.16	4.66	-30.78	18.67	40.00	21.33	QP	Vertical
2	72.528	40.47	9.39	4.80	-30.55	24.11	40.00	15.89	QP	Vertical
3	110.308	26.9	12.04	5.12	-30.87	13.19	43.50	30.31	QP	Vertical
4	249.844	25.03	11.69	5.94	-30.45	12.21	46.00	33.79	QP	Vertical
5	562.727	24.48	17.88	7.18	-29.90	19.64	46.00	26.36	QP	Vertical
6	864.293	25.45	20.96	8.21	-29.32	25.30	46.00	20.70	QP	Vertical

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5180MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\1		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



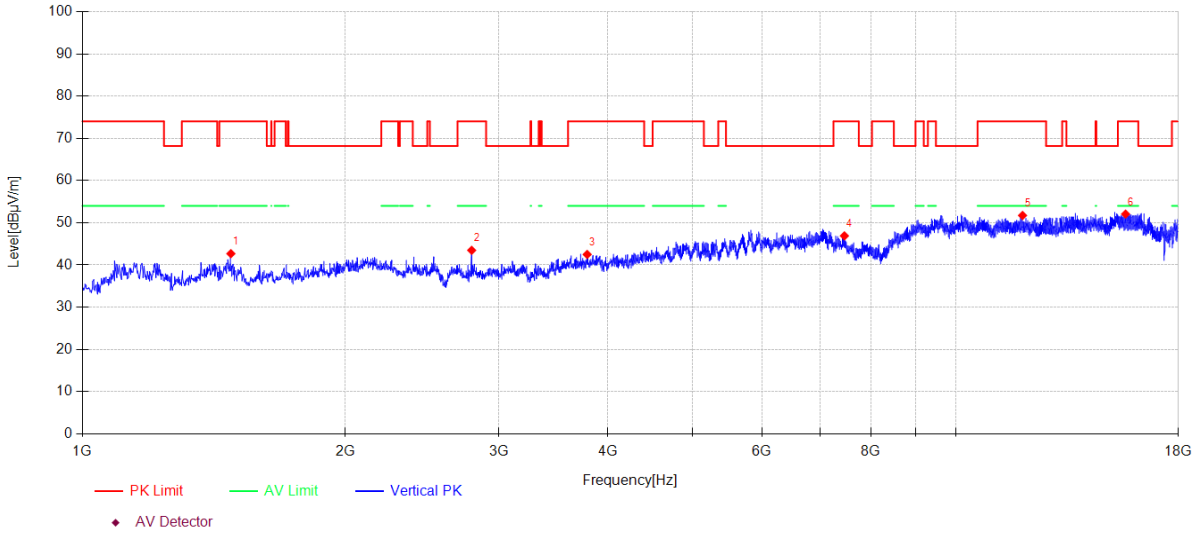
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	1142.800	51.65	24.76	3.40	-36.90	42.91	74.00	31.09	PK	Horizontal
2	1477.700	55.08	25.41	4.51	-36.94	48.06	74.00	25.94	PK	Horizontal
3	3918.900	46.42	31.16	6.02	-40.40	43.20	74.00	30.80	PK	Horizontal
4	7596.000	43.97	36.49	8.86	-42.19	47.13	74.00	26.87	PK	Horizontal
5	11888.500	41.99	38.90	10.23	-39.51	51.61	74.00	22.39	PK	Horizontal
6	15960.000	38.04	38.04	15.87	-39.34	52.61	74.00	21.39	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5180MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\2		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



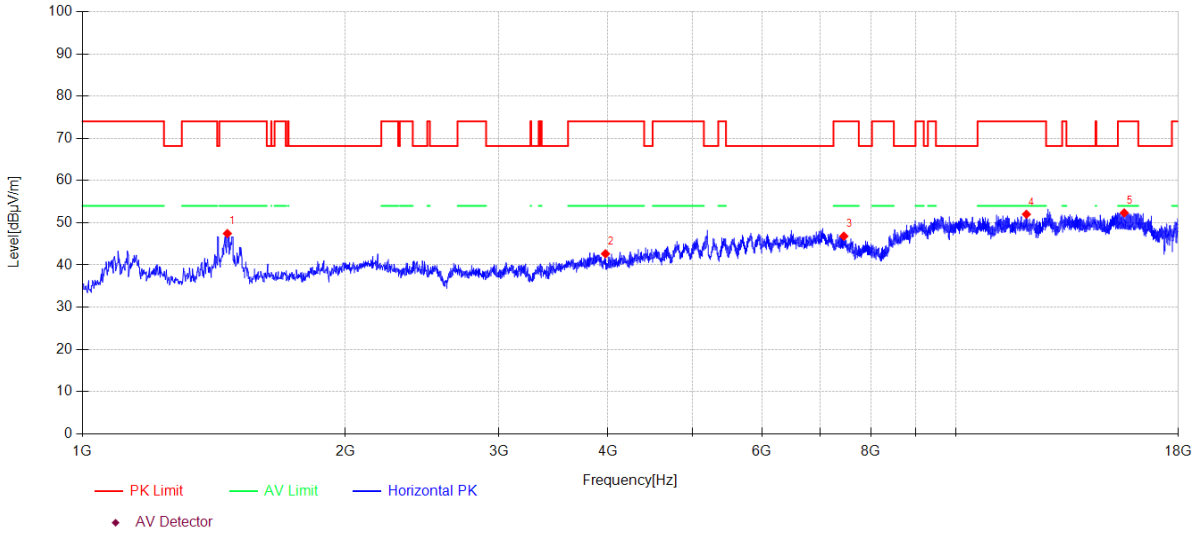
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	1479.400	49.68	25.42	4.51	-36.94	42.67	74.00	31.33	PK	Vertical
2	2791.800	49.76	27.43	5.53	-39.25	43.47	74.00	30.53	PK	Vertical
3	3786.300	46.24	30.65	5.92	-40.32	42.49	74.00	31.51	PK	Vertical
4	7461.700	43.27	36.58	8.89	-41.85	46.89	74.00	27.11	PK	Vertical
5	11936.100	41.98	39.01	10.27	-39.53	51.73	74.00	22.27	PK	Vertical
6	15662.500	38.30	38.54	14.37	-39.16	52.05	74.00	21.95	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5200MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\3		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

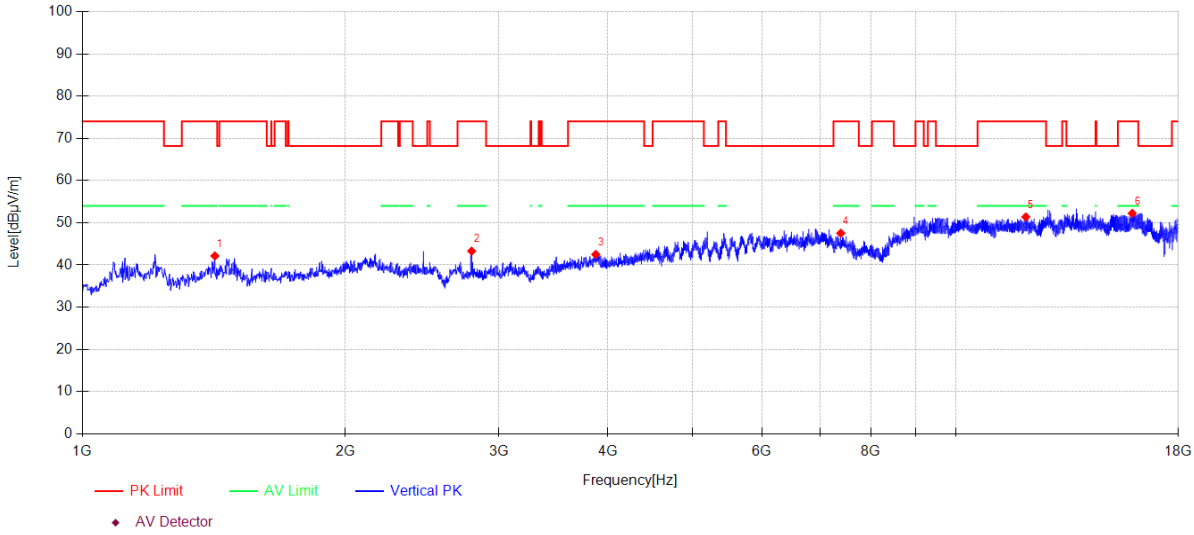
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1465.800	54.55	25.36	4.47	-36.94	47.44	74.00	26.56	PK	Horizontal
2	3973.300	46.01	31.01	6.06	-40.43	42.65	74.00	31.35	PK	Horizontal
3	7449.800	43.14	36.60	8.89	-41.82	46.81	74.00	27.19	PK	Horizontal
4	12058.500	42.01	39.26	10.32	-39.58	52.01	74.00	21.99	PK	Horizontal
5	15608.100	38.77	38.59	14.09	-39.12	52.33	74.00	21.67	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5200MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\4		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



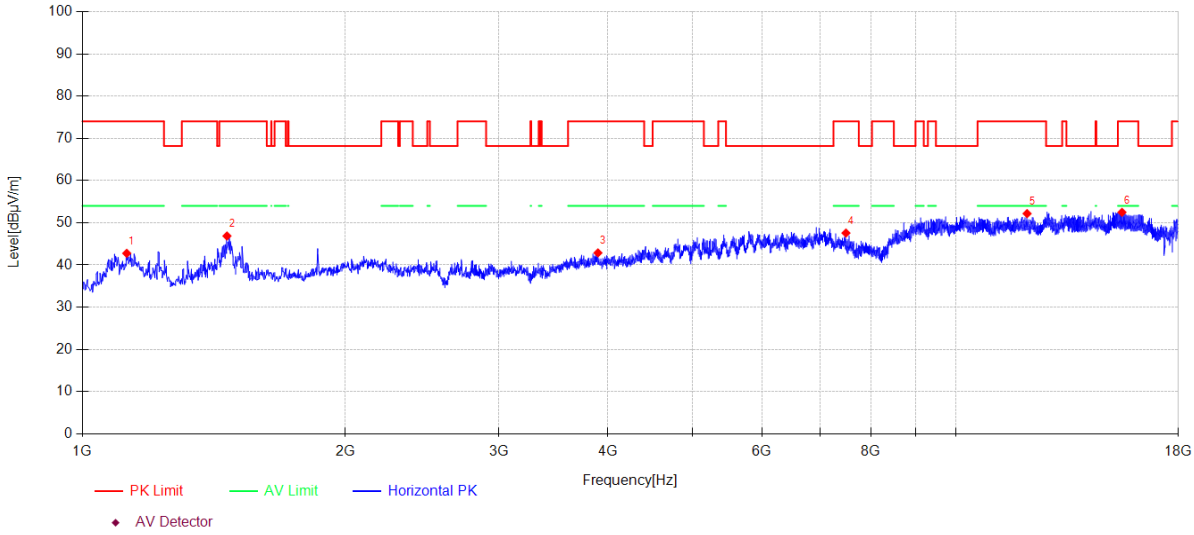
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	1418.200	49.58	25.17	4.31	-36.93	42.13	74.00	31.87	PK	Vertical
2	2791.800	49.57	27.43	5.53	-39.25	43.28	74.00	30.72	PK	Vertical
3	3873.000	45.83	31.04	5.99	-40.37	42.49	74.00	31.51	PK	Vertical
4	7390.300	43.57	36.72	8.90	-41.68	47.51	74.00	26.49	PK	Vertical
5	12039.800	41.40	39.24	10.32	-39.58	51.38	74.00	22.62	PK	Vertical
6	15941.300	37.72	38.06	15.77	-39.32	52.23	74.00	21.77	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5240MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\5		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



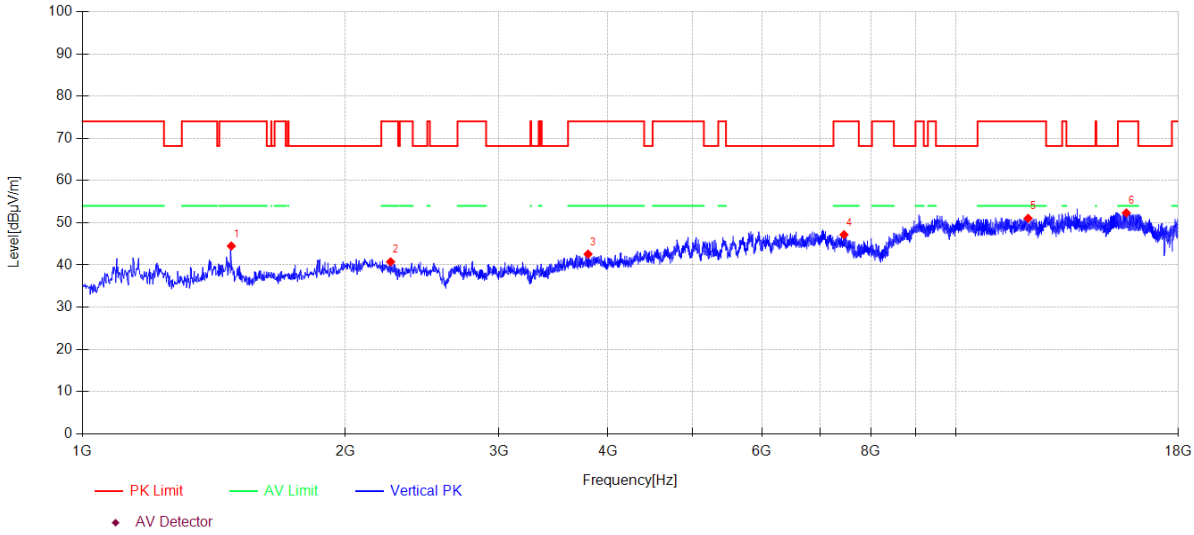
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	1124.100	51.67	24.64	3.34	-36.90	42.75	74.00	31.25	PK	Horizontal
2	1464.100	53.98	25.36	4.46	-36.94	46.86	74.00	27.14	PK	Horizontal
3	3895.100	46.08	31.17	6.00	-40.39	42.86	74.00	31.14	PK	Horizontal
4	7492.300	44.09	36.52	8.88	-41.93	47.56	74.00	26.44	PK	Horizontal
5	12080.600	42.15	39.28	10.32	-39.59	52.16	74.00	21.84	PK	Horizontal
6	15516.300	39.14	38.77	13.63	-39.07	52.47	74.00	21.53	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5240MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\6		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

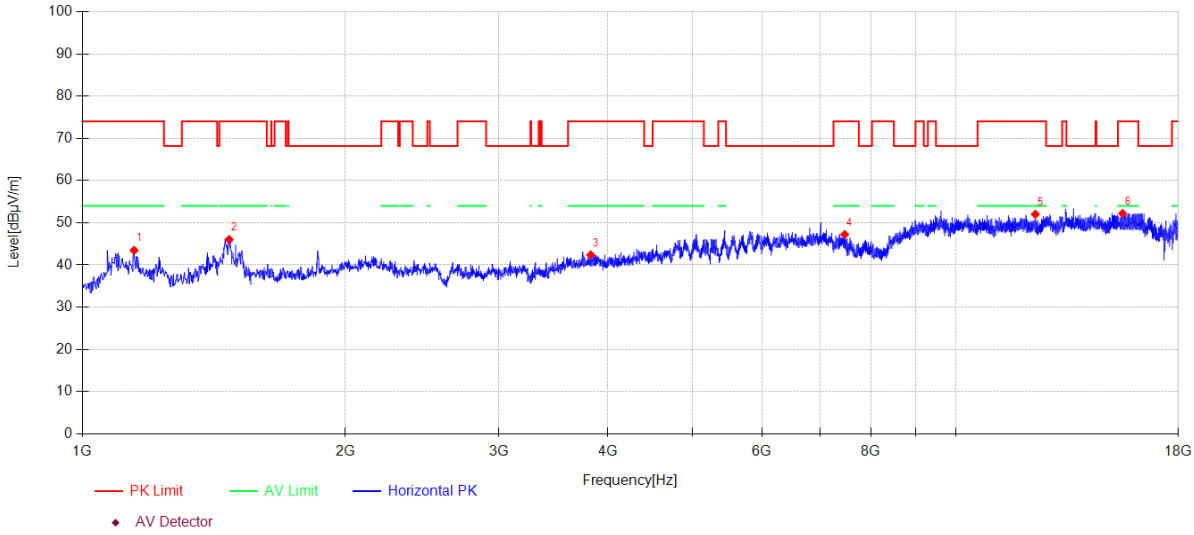
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1481.100	51.49	25.42	4.52	-36.94	44.49	74.00	29.51	PK	Vertical
2	2254.600	45.20	27.25	6.01	-37.73	40.73	74.00	33.27	PK	Vertical
3	3794.800	46.28	30.68	5.93	-40.32	42.57	74.00	31.43	PK	Vertical
4	7453.200	43.51	36.59	8.89	-41.83	47.16	74.00	26.84	PK	Vertical
5	12112.900	41.01	39.30	10.33	-39.60	51.04	74.00	22.96	PK	Vertical
6	15693.100	38.48	38.51	14.52	-39.18	52.33	74.00	21.67	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5260MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\7		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

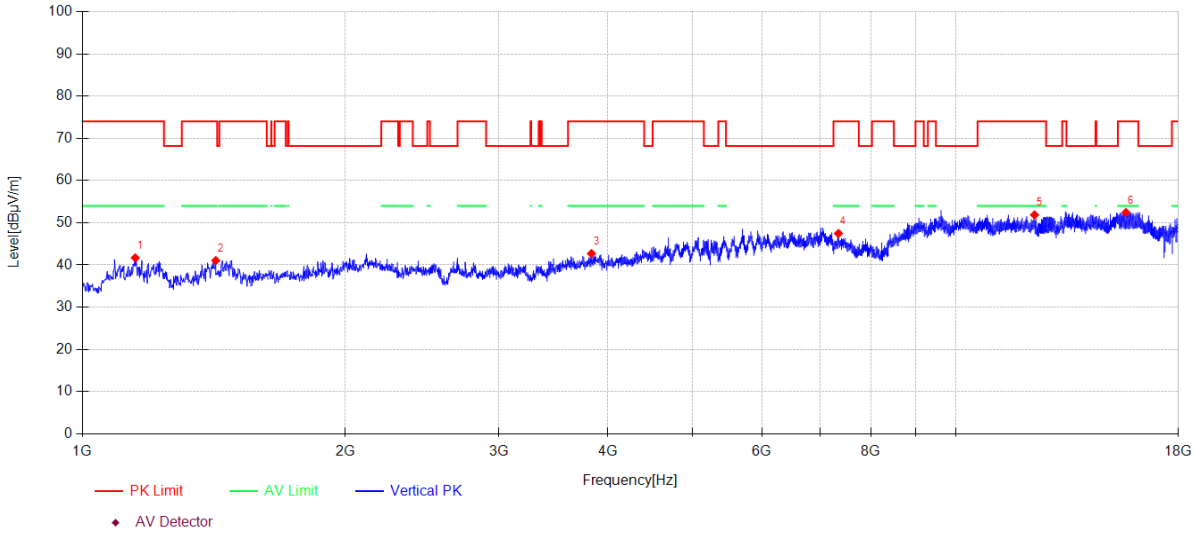
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1146.200	52.17	24.78	3.41	-36.90	43.46	74.00	30.54	PK	Horizontal
2	1472.600	53.07	25.39	4.49	-36.94	46.01	74.00	27.99	PK	Horizontal
3	3822.000	45.99	30.79	5.95	-40.34	42.39	74.00	31.61	PK	Horizontal
4	7466.800	43.61	36.57	8.89	-41.87	47.20	74.00	26.80	PK	Horizontal
5	12345.800	42.05	39.30	10.34	-39.69	52.00	74.00	22.00	PK	Horizontal
6	15540.100	38.79	38.72	13.75	-39.08	52.18	74.00	21.82	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5260MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\8		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



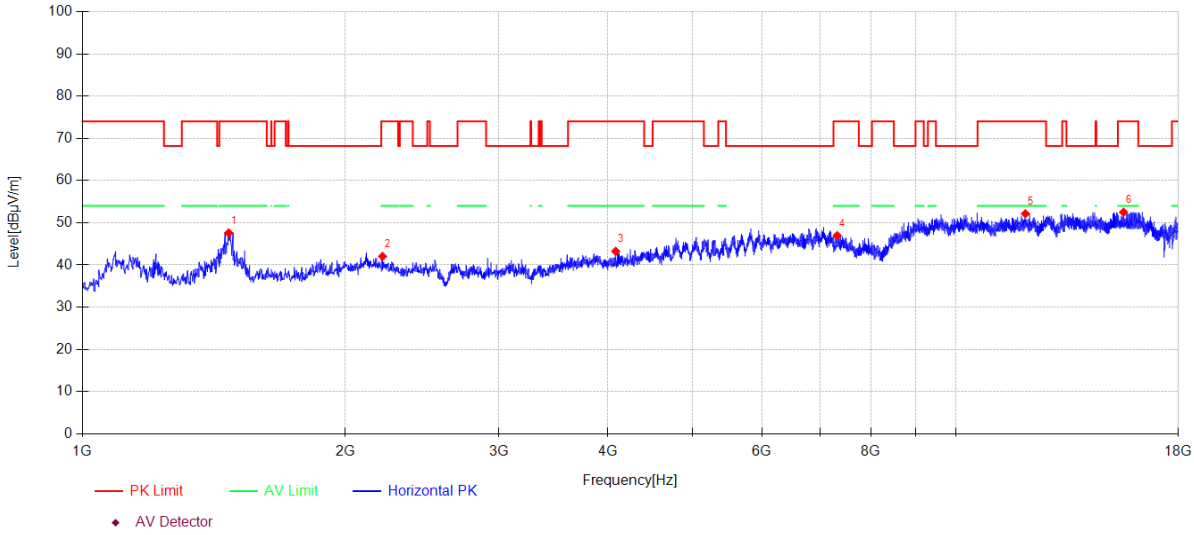
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	1149.600	50.36	24.80	3.42	-36.90	41.68	74.00	32.32	PK	Vertical
2	1421.600	48.47	25.19	4.32	-36.93	41.05	74.00	32.95	PK	Vertical
3	3828.800	46.26	30.82	5.96	-40.35	42.69	74.00	31.31	PK	Vertical
4	7344.400	43.31	36.81	8.90	-41.56	47.46	74.00	26.54	PK	Vertical
5	12318.600	41.90	39.30	10.34	-39.68	51.86	74.00	22.14	PK	Vertical
6	15677.800	38.63	38.52	14.45	-39.17	52.43	74.00	21.57	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5300MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\9		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

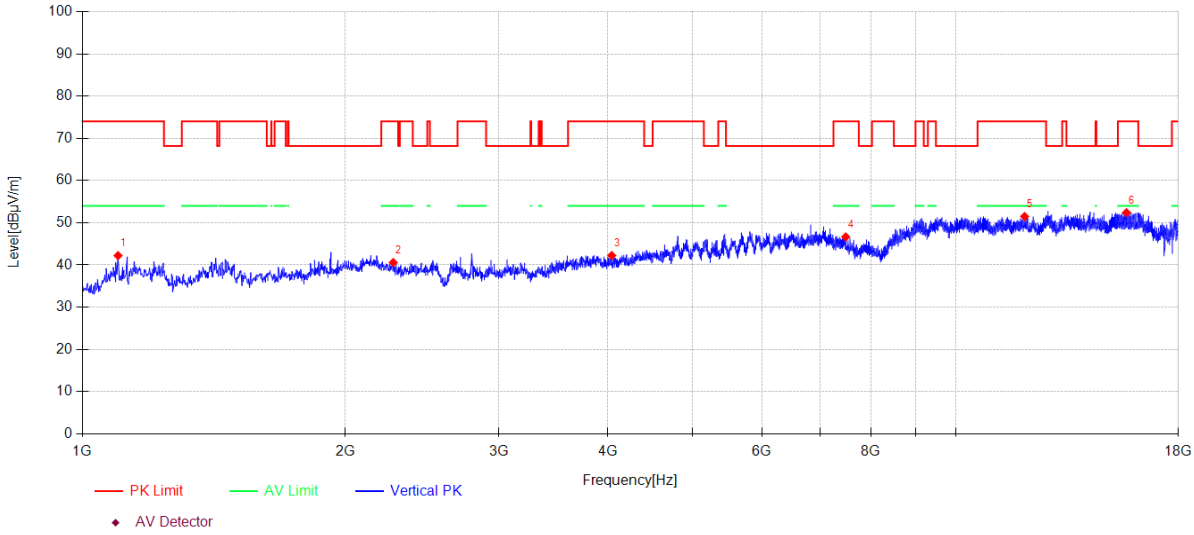
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1470.900	54.68	25.38	4.48	-36.94	47.60	74.00	26.40	PK	Horizontal
2	2207.000	45.86	27.73	6.05	-37.60	42.04	74.00	31.96	PK	Horizontal
3	4082.100	46.36	31.06	6.24	-40.42	43.24	74.00	30.76	PK	Horizontal
4	7320.600	42.69	36.86	8.91	-41.50	46.96	74.00	27.04	PK	Horizontal
5	12026.200	42.16	39.23	10.32	-39.57	52.14	74.00	21.86	PK	Horizontal
6	15579.200	39.01	38.64	13.95	-39.11	52.49	74.00	21.51	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5300MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\10		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



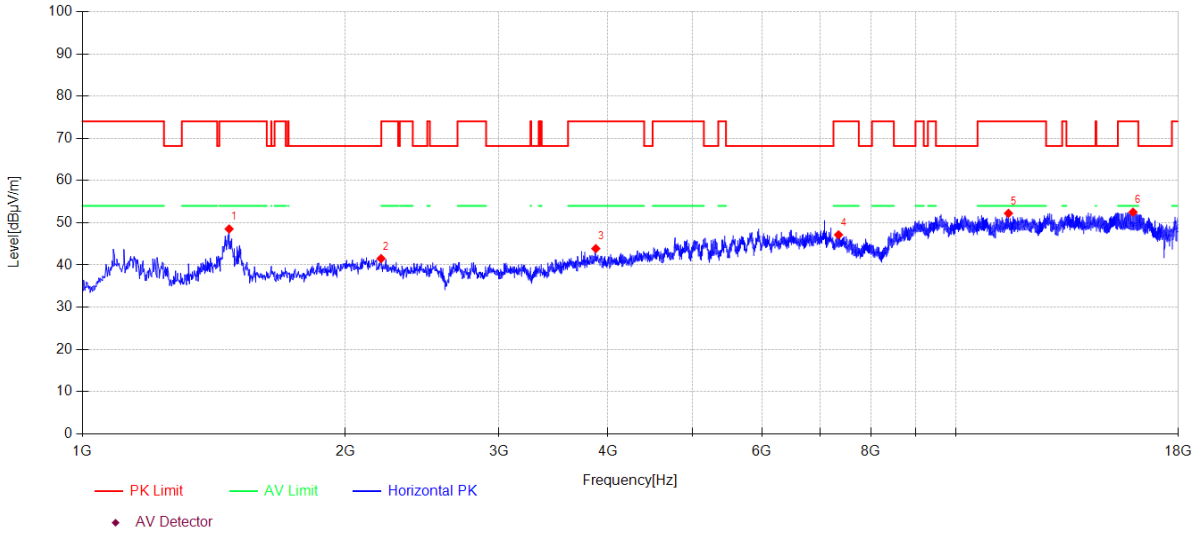
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	1098.600	51.35	24.50	3.26	-36.89	42.22	74.00	31.78	PK	Vertical
2	2269.900	45.25	27.10	5.99	-37.77	40.57	74.00	33.43	PK	Vertical
3	4039.600	45.53	30.98	6.16	-40.44	42.23	74.00	31.77	PK	Vertical
4	7487.200	43.16	36.53	8.88	-41.92	46.65	74.00	27.35	PK	Vertical
5	12002.400	41.52	39.20	10.32	-39.56	51.48	74.00	22.52	PK	Vertical
6	15698.200	38.51	38.50	14.55	-39.18	52.38	74.00	21.62	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5320MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\11		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

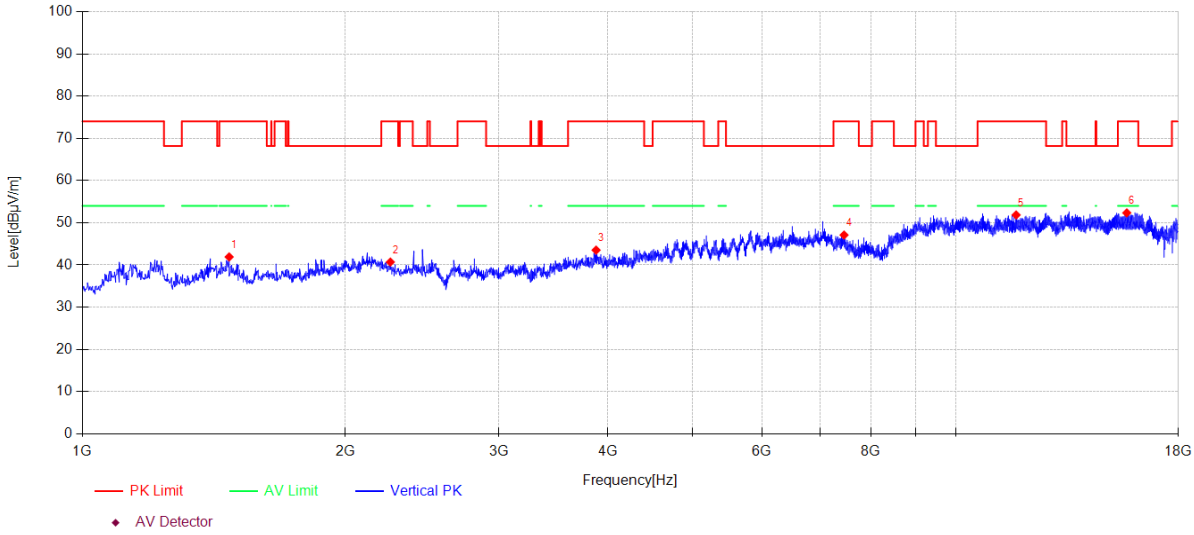
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1472.600	55.59	25.39	4.49	-36.94	48.53	74.00	25.47	PK	Horizontal
2	2198.500	45.23	27.79	6.06	-37.57	41.51	68.20	26.69	PK	Horizontal
3	3873.000	47.22	31.04	5.99	-40.37	43.88	74.00	30.12	PK	Horizontal
4	7347.800	43.01	36.80	8.90	-41.57	47.14	74.00	26.86	PK	Horizontal
5	11500.900	42.43	39.20	9.92	-39.33	52.22	74.00	21.78	PK	Horizontal
6	15971.900	37.88	38.03	15.93	-39.34	52.50	74.00	21.50	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5320MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\12		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



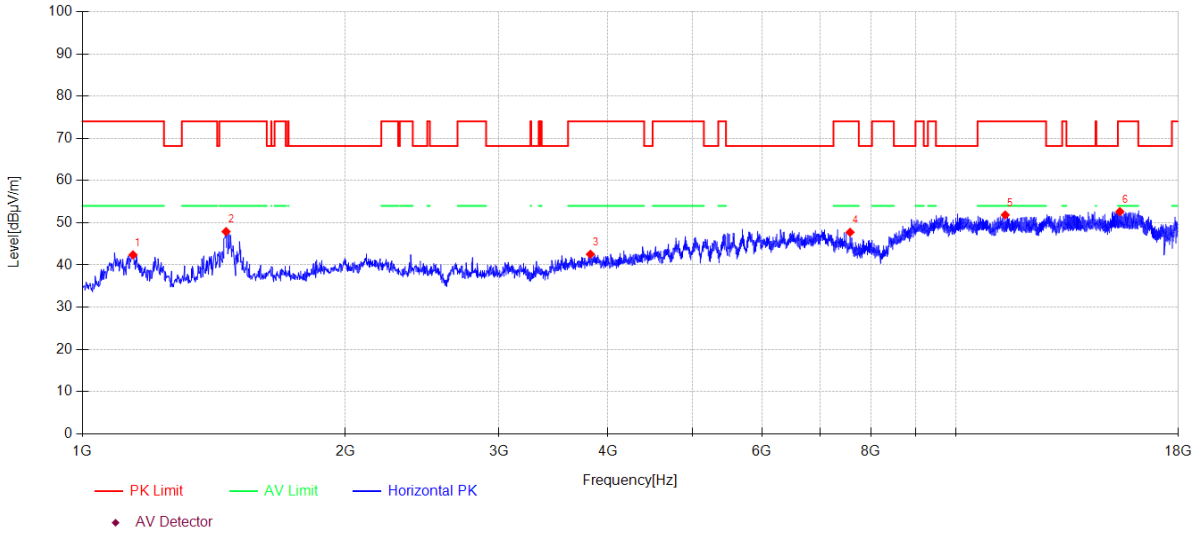
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	1472.600	48.96	25.39	4.49	-36.94	41.90	74.00	32.10	PK	Vertical
2	2252.900	45.13	27.27	6.01	-37.73	40.68	74.00	33.32	PK	Vertical
3	3876.400	46.84	31.06	5.99	-40.37	43.52	74.00	30.48	PK	Vertical
4	7454.900	43.45	36.59	8.89	-41.84	47.09	74.00	26.91	PK	Vertical
5	11735.500	42.21	38.96	10.11	-39.44	51.84	74.00	22.16	PK	Vertical
6	15711.800	38.42	38.48	14.62	-39.19	52.33	74.00	21.67	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5500MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\13		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

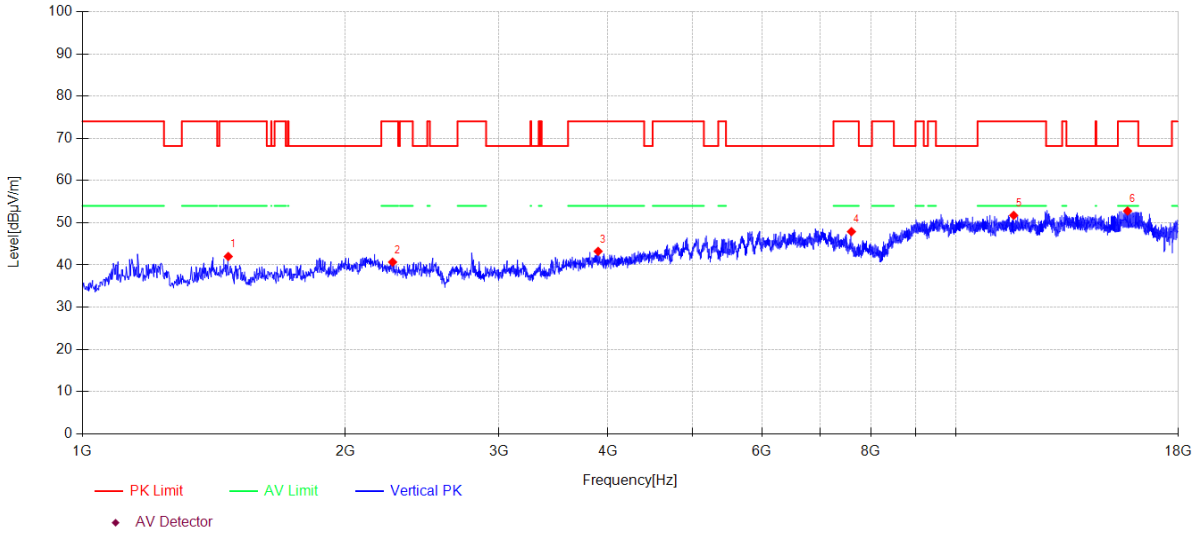
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1142.800	51.13	24.76	3.40	-36.90	42.39	74.00	31.61	PK	Horizontal
2	1460.700	55.06	25.34	4.45	-36.94	47.91	74.00	26.09	PK	Horizontal
3	3818.600	46.15	30.77	5.95	-40.34	42.53	74.00	31.47	PK	Horizontal
4	7573.900	44.55	36.45	8.87	-42.13	47.74	74.00	26.26	PK	Horizontal
5	11404.000	41.98	39.30	9.84	-39.28	51.84	74.00	22.16	PK	Horizontal
6	15429.600	39.50	38.94	13.20	-39.02	52.62	74.00	21.38	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5500MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\14		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



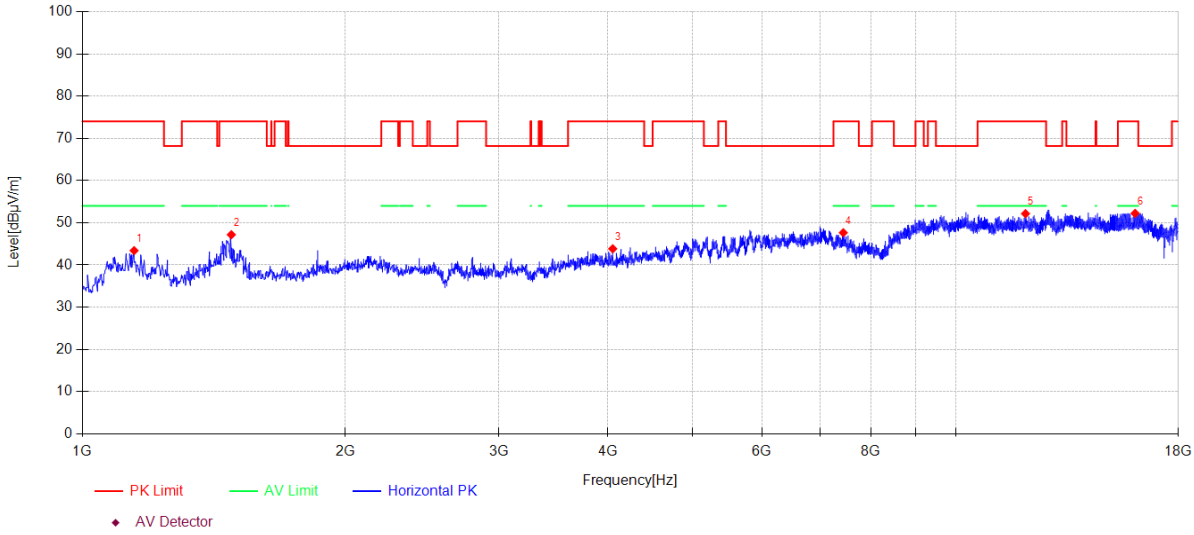
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	1469.200	49.09	25.38	4.48	-36.94	42.01	74.00	31.99	PK	Vertical
2	2266.500	45.30	27.14	6.00	-37.76	40.68	74.00	33.32	PK	Vertical
3	3896.800	46.43	31.18	6.00	-40.39	43.22	74.00	30.78	PK	Vertical
4	7601.100	44.73	36.50	8.86	-42.20	47.89	74.00	26.11	PK	Vertical
5	11660.700	42.09	39.00	10.05	-39.40	51.74	74.00	22.26	PK	Vertical
6	15745.800	38.78	38.41	14.79	-39.21	52.77	74.00	21.23	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5580MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\15		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

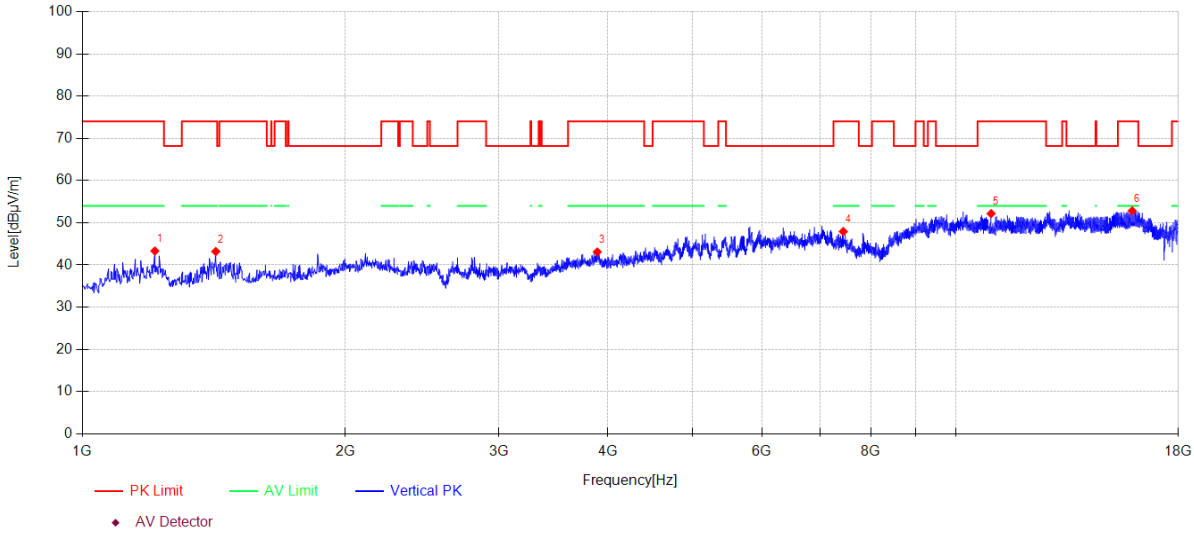
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1146.200	52.10	24.78	3.41	-36.90	43.39	74.00	30.61	PK	Horizontal
2	1481.100	54.17	25.42	4.52	-36.94	47.17	74.00	26.83	PK	Horizontal
3	4049.800	47.08	31.00	6.18	-40.43	43.83	74.00	30.17	PK	Horizontal
4	7439.600	43.93	36.62	8.89	-41.80	47.64	74.00	26.36	PK	Horizontal
5	12029.600	42.17	39.23	10.32	-39.57	52.15	74.00	21.85	PK	Horizontal
6	16062.000	37.87	37.94	15.81	-39.41	52.21	74.00	21.79	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5580MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\16		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



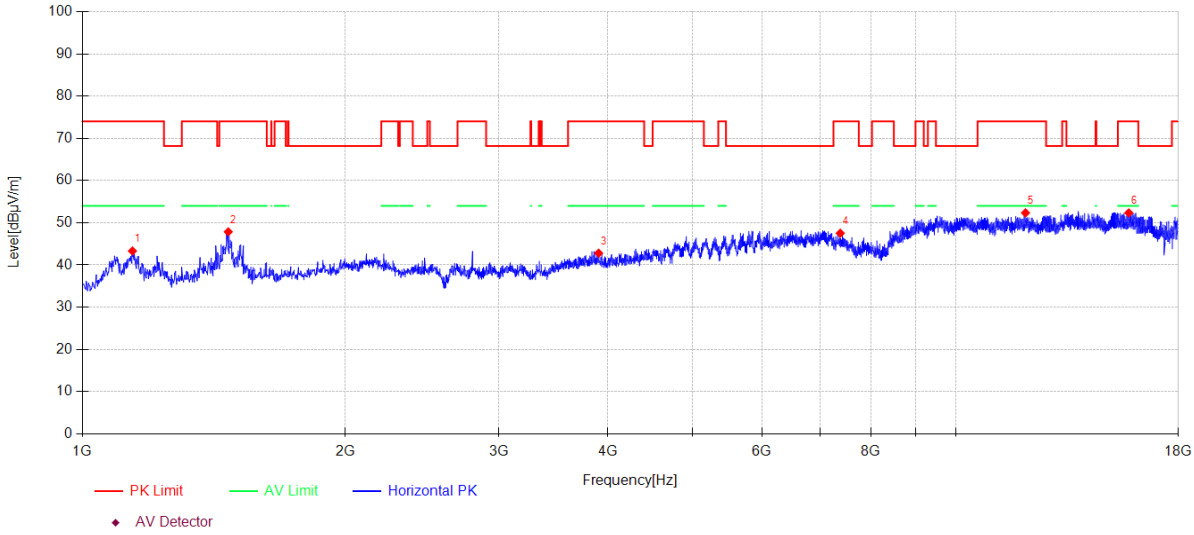
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	1210.800	51.63	24.96	3.63	-36.91	43.31	74.00	30.69	PK	Vertical
2	1421.600	50.61	25.19	4.32	-36.93	43.19	74.00	30.81	PK	Vertical
3	3888.300	46.34	31.13	6.00	-40.38	43.09	74.00	30.91	PK	Vertical
4	7439.600	44.20	36.62	8.89	-41.80	47.91	74.00	26.09	PK	Vertical
5	10985.800	42.42	39.30	9.52	-39.08	52.16	74.00	21.84	PK	Vertical
6	15939.600	38.30	38.06	15.77	-39.32	52.81	74.00	21.19	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5700MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\17		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

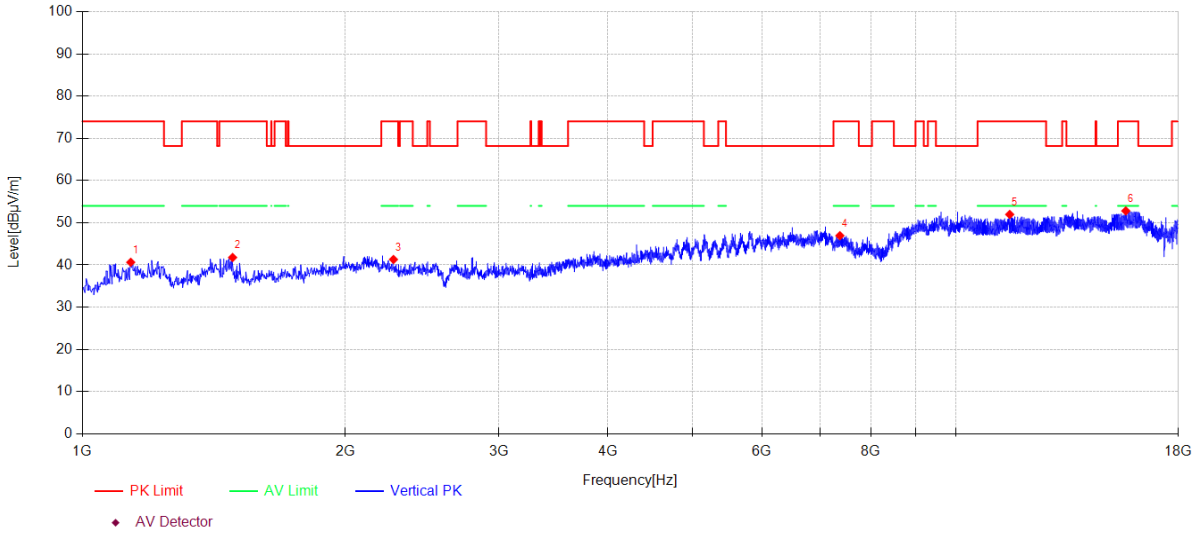
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1141.100	52.05	24.75	3.40	-36.90	43.30	74.00	30.70	PK	Horizontal
2	1469.200	54.93	25.38	4.48	-36.94	47.85	74.00	26.15	PK	Horizontal
3	3901.900	45.97	31.20	6.01	-40.39	42.79	74.00	31.21	PK	Horizontal
4	7380.100	43.53	36.74	8.90	-41.65	47.52	74.00	26.48	PK	Horizontal
5	12029.600	42.36	39.23	10.32	-39.57	52.34	74.00	21.66	PK	Horizontal
6	15798.500	38.22	38.30	15.05	-39.24	52.33	74.00	21.67	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5700MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\18		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



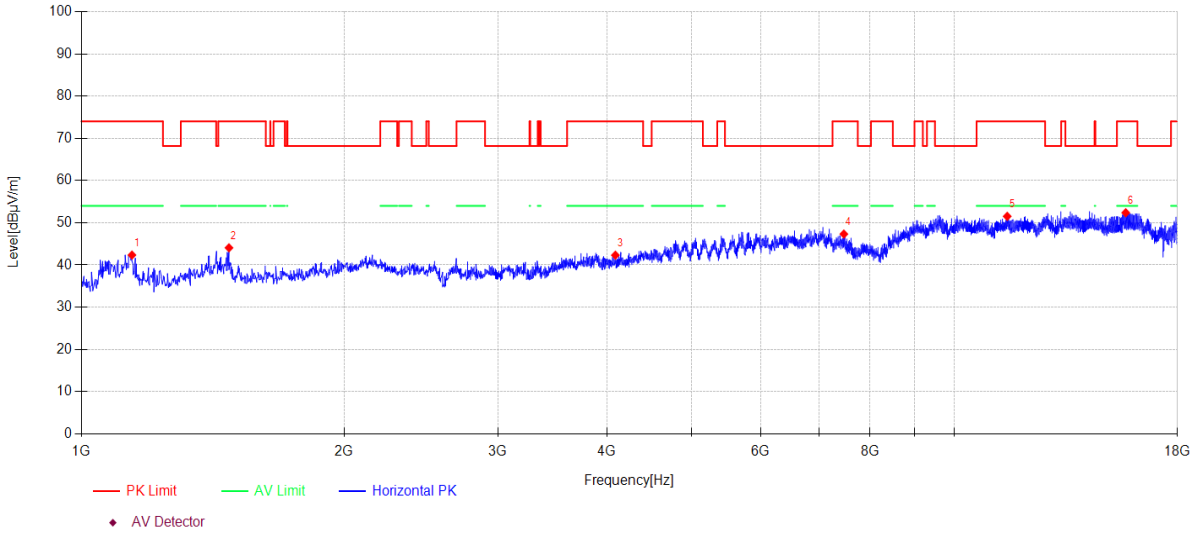
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	1136.000	49.43	24.72	3.38	-36.90	40.63	74.00	33.37	PK	Vertical
2	1486.200	48.74	25.44	4.53	-36.94	41.77	74.00	32.23	PK	Vertical
3	2271.600	46.01	27.08	5.99	-37.78	41.30	74.00	32.70	PK	Vertical
4	7373.300	42.91	36.75	8.90	-41.63	46.93	74.00	27.07	PK	Vertical
5	11540.000	42.23	39.12	9.95	-39.34	51.96	74.00	22.04	PK	Vertical
6	15672.700	39.01	38.53	14.42	-39.16	52.80	74.00	21.20	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-29	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5720MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G 5720\1		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

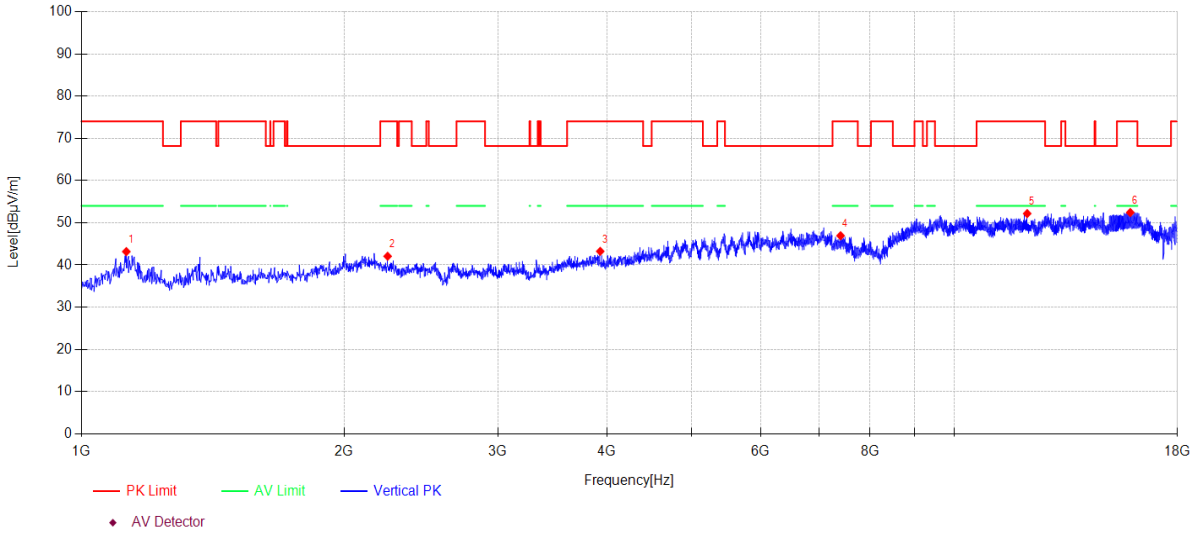
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1142.800	51.09	24.76	3.40	-36.90	42.35	74.00	31.65	PK	Horizontal
2	1476.000	51.10	25.40	4.50	-36.94	44.06	74.00	29.94	PK	Horizontal
3	4088.900	45.40	31.08	6.25	-40.42	42.31	74.00	31.69	PK	Horizontal
4	7470.200	43.76	36.56	8.88	-41.88	47.32	74.00	26.68	PK	Horizontal
5	11492.400	41.71	39.21	9.91	-39.32	51.51	74.00	22.49	PK	Horizontal
6	15710.100	38.47	38.48	14.61	-39.19	52.37	74.00	21.63	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-29	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5720MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G 5720\2		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



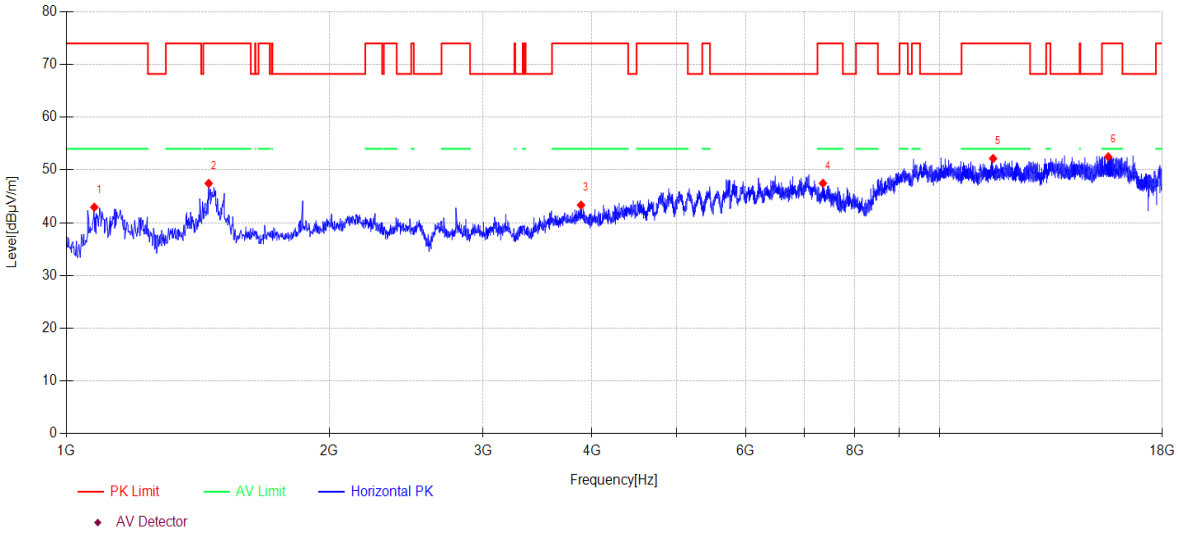
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	1125.800	52.06	24.65	3.35	-36.90	43.16	74.00	30.84	PK	Vertical
2	2242.700	46.37	27.37	6.02	-37.70	42.06	74.00	31.94	PK	Vertical
3	3929.100	46.46	31.14	6.03	-40.41	43.22	74.00	30.78	PK	Vertical
4	7405.600	43.03	36.69	8.90	-41.71	46.91	74.00	27.09	PK	Vertical
5	12114.600	42.13	39.30	10.33	-39.60	52.16	74.00	21.84	PK	Vertical
6	15900.500	38.05	38.10	15.57	-39.30	52.42	74.00	21.58	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5745MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5.8G\1		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

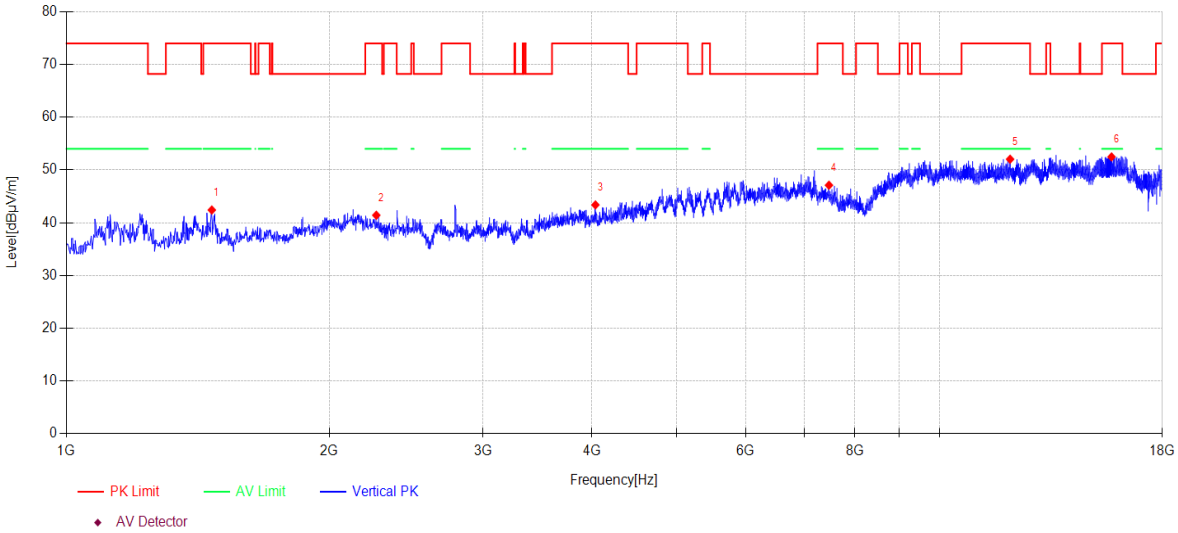
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1076.500	52.20	24.45	3.18	-36.89	42.94	74.00	31.06	PK	Horizontal
2	1455.600	54.64	25.32	4.43	-36.94	47.45	74.00	26.55	PK	Horizontal
3	3886.600	46.60	31.12	6.00	-40.38	43.34	74.00	30.66	PK	Horizontal
4	7354.600	43.37	36.79	8.90	-41.59	47.47	74.00	26.53	PK	Horizontal
5	11519.600	42.40	39.16	9.94	-39.33	52.17	74.00	21.83	PK	Horizontal
6	15608.100	38.93	38.59	14.09	-39.12	52.49	74.00	21.51	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5745MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5.8G\2		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

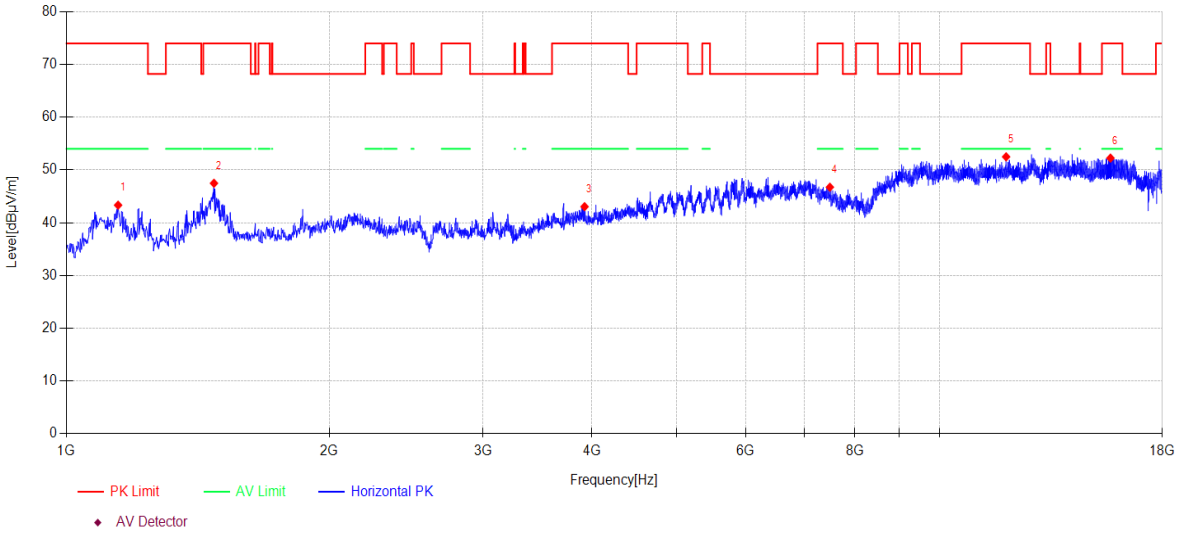
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1467.500	49.51	25.37	4.47	-36.94	42.41	74.00	31.59	PK	Vertical
2	2264.800	46.03	27.15	6.00	-37.76	41.42	74.00	32.58	PK	Vertical
3	4036.200	46.70	30.97	6.15	-40.44	43.38	74.00	30.62	PK	Vertical
4	7471.900	43.55	36.56	8.88	-41.88	47.11	74.00	26.89	PK	Vertical
5	12046.600	42.05	39.25	10.32	-39.58	52.04	74.00	21.96	PK	Vertical
6	15742.400	38.50	38.42	14.77	-39.21	52.48	74.00	21.52	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5785MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5.8G\3		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

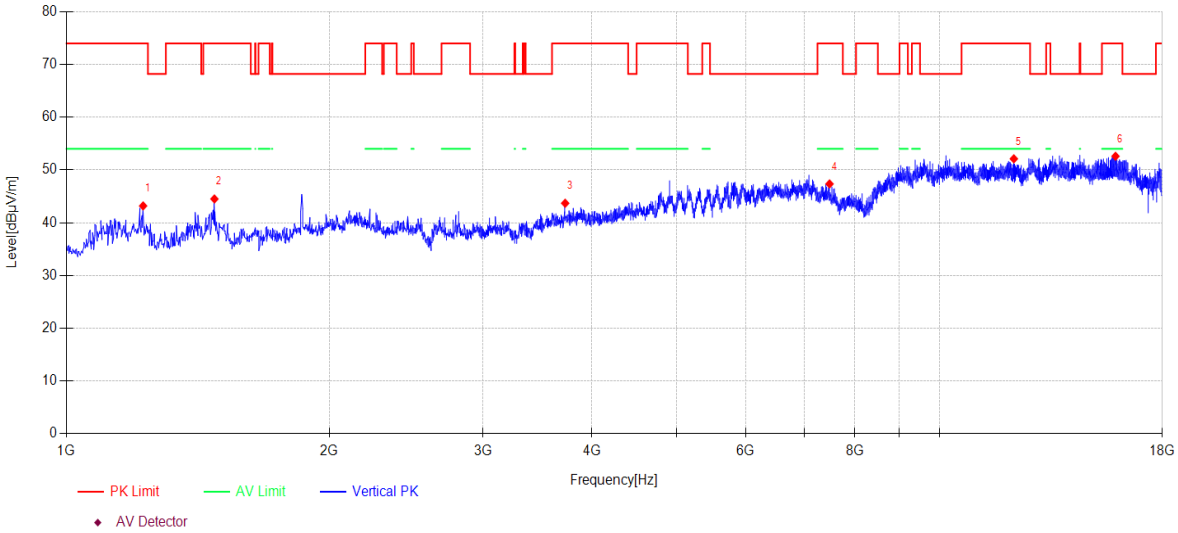
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1146.200	52.04	24.78	3.41	-36.90	43.33	74.00	30.67	PK	Horizontal
2	1476.000	54.52	25.40	4.50	-36.94	47.48	74.00	26.52	PK	Horizontal
3	3922.300	46.26	31.16	6.02	-40.40	43.04	74.00	30.96	PK	Horizontal
4	7490.600	43.27	36.52	8.88	-41.93	46.74	74.00	27.26	PK	Horizontal
5	11922.500	42.78	38.97	10.26	-39.52	52.49	74.00	21.51	PK	Horizontal
6	15698.200	38.38	38.50	14.55	-39.18	52.25	74.00	21.75	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5785MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5.8G\4		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

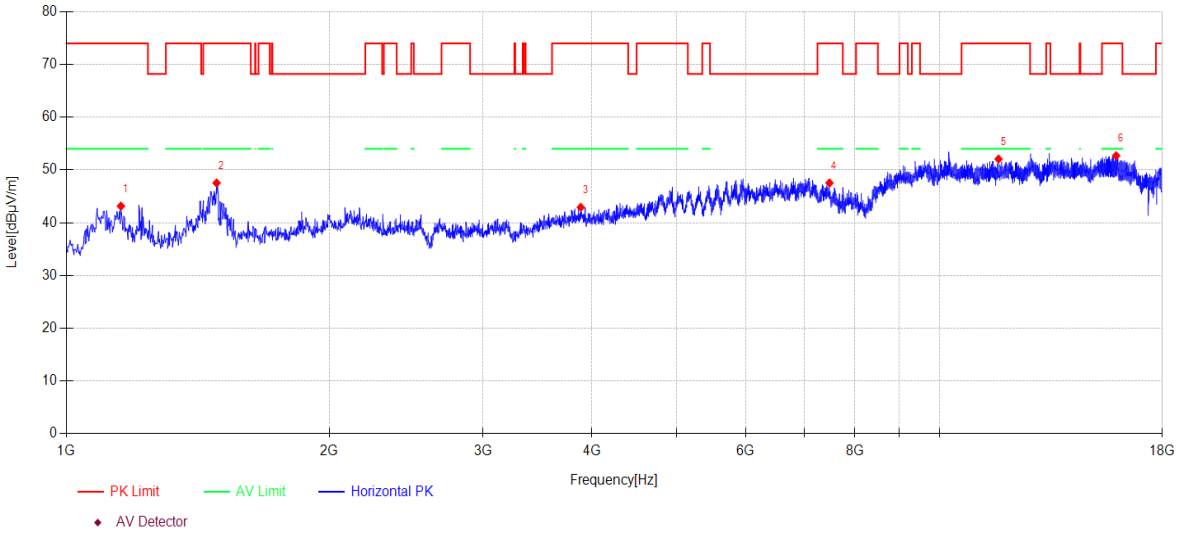
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1224.400	51.38	25.05	3.67	-36.91	43.19	74.00	30.81	PK	Vertical
2	1477.700	51.53	25.41	4.51	-36.94	44.51	74.00	29.49	PK	Vertical
3	3726.800	47.64	30.45	5.88	-40.28	43.69	74.00	30.31	PK	Vertical
4	7483.800	43.86	36.53	8.88	-41.91	47.36	74.00	26.64	PK	Vertical
5	12167.300	42.11	39.30	10.33	-39.63	52.11	74.00	21.89	PK	Vertical
6	15909.000	38.21	38.09	15.61	-39.31	52.60	74.00	21.40	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5825MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5.8G\5		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

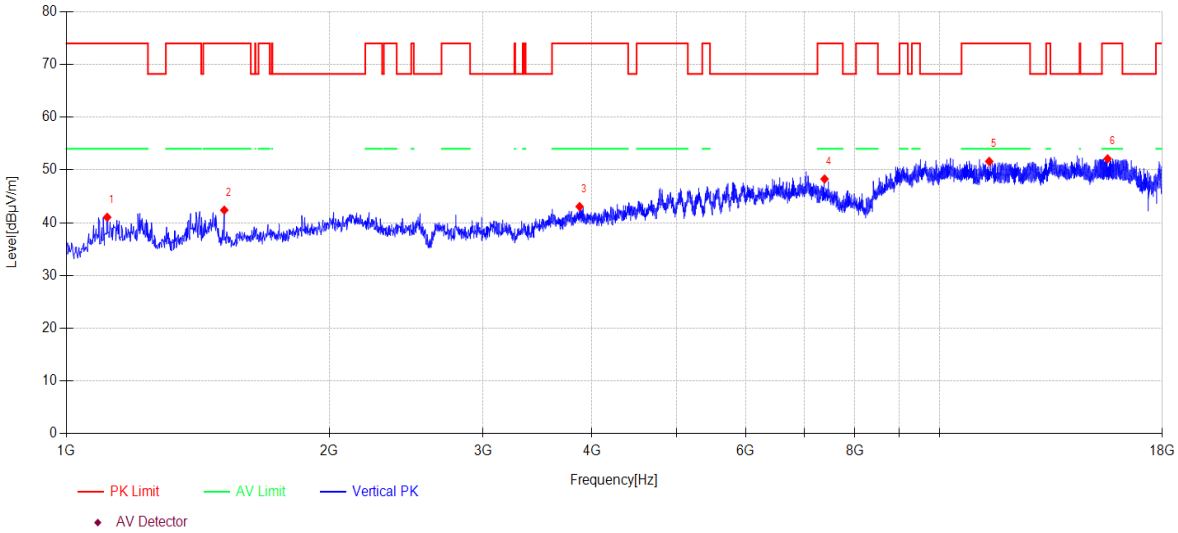
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1154.700	51.80	24.81	3.44	-36.90	43.15	74.00	30.85	PK	Horizontal
2	1486.200	54.51	25.44	4.53	-36.94	47.54	74.00	26.46	PK	Horizontal
3	3883.200	46.21	31.10	5.99	-40.38	42.92	74.00	31.08	PK	Horizontal
4	7482.100	44.02	36.54	8.88	-41.91	47.53	74.00	26.47	PK	Horizontal
5	11686.200	42.41	39.00	10.07	-39.41	52.07	74.00	21.93	PK	Horizontal
6	15934.500	38.20	38.07	15.74	-39.32	52.69	74.00	21.31	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5825MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5.8G\6		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1113.900	50.04	24.58	3.31	-36.89	41.04	74.00	32.96	PK	Vertical
2	1516.800	49.44	25.26	4.64	-36.95	42.39	74.00	31.61	PK	Vertical
3	3871.300	46.41	31.03	5.99	-40.37	43.06	74.00	30.94	PK	Vertical
4	7385.200	44.32	36.73	8.90	-41.66	48.29	74.00	25.71	PK	Vertical
5	11402.300	41.77	39.30	9.84	-39.28	51.63	74.00	22.37	PK	Vertical
6	15580.900	38.63	38.64	13.96	-39.11	52.12	74.00	21.88	PK	Vertical

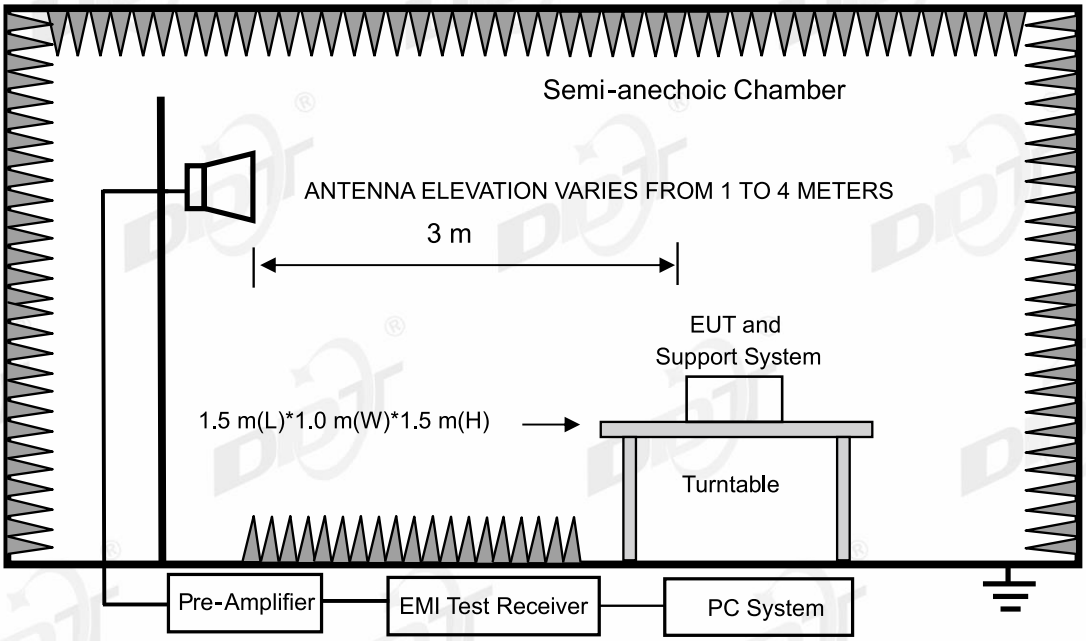
Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14.Band Edge Compliance

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2025/04/01
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
ELECTRIC AND MAGNETIC FIELD ANALYZER	Narda	EHP-200A	DDT-ZC01401	2024/09/20
High Pass filter	XIANXINGBO	XBLBQ-GTA67	DDT-ZC02179	2024/05/14
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2025/04/01
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/10
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2025/04/25
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2025/04/01
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2024/05/14
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/04/01
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2025/04/01
Hochgewinn-Hornantenne	Schwarzbeck Mess-Elektronik	BBHA 9120 D	DDT-ZC02129	2025/09/17
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2024/05/14
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/04/01
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2024/07/11
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2024/07/14
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2025/04/01
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2025/04/01

14.2. Block diagram of test setup



14.3. Limits

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(4) For transmitters operating solely in the 5.725-5.850 GHz band:
All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

14.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
AC Adapter	HUAWEI	HW-050450C00	Input: 100-240V~ 50/60Hz, Output: 5V/2A or 4.5V/5A or 5V/4.5A	N/A

14.5. Test procedure

Same with Emissions in Restricted Frequency Bands except change investigated frequency range from 5.15-5.25 GHz, 5250-5350 GHz, 5470-5725 GHz, 5.725-5.85 GHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

14.6. Test result

PASS. (See below detailed test result)

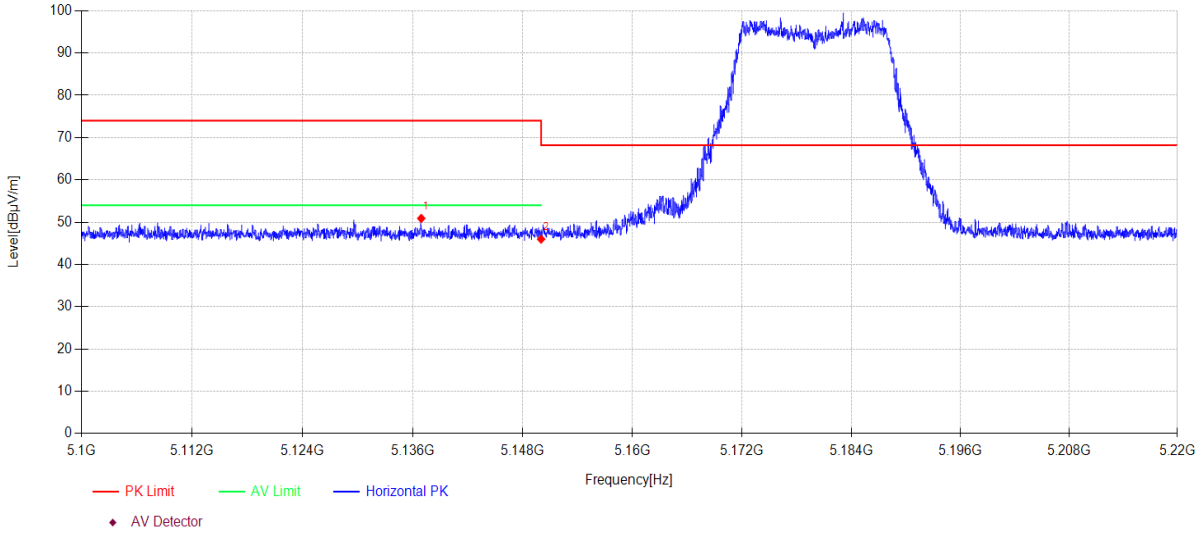
Note: As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz. However, out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz peak emission limit

14.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11A TX 5180MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\19		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



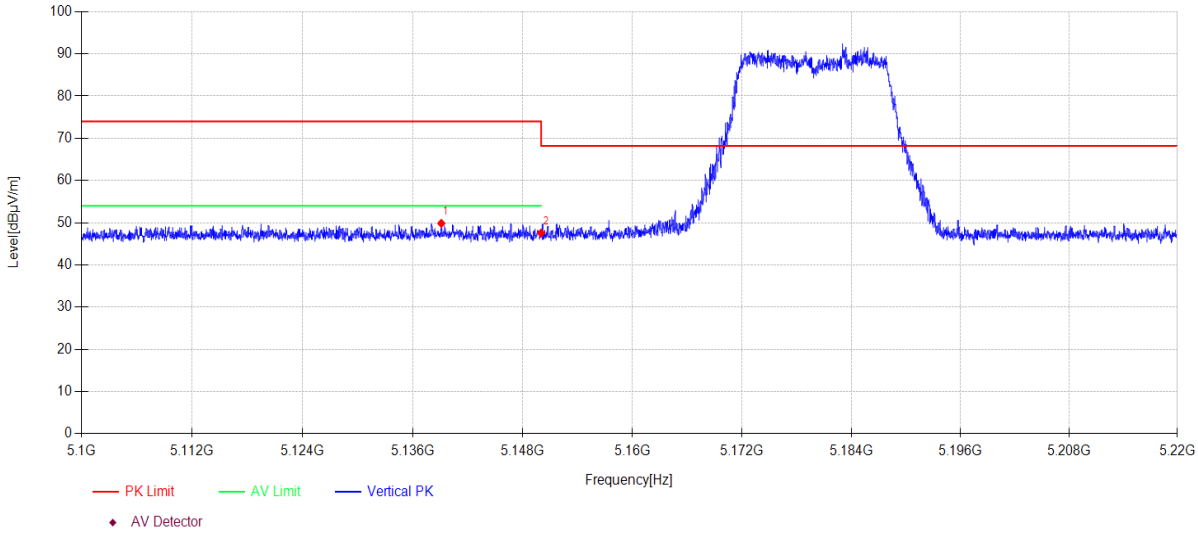
Data List										
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5136.912	11.91	33.40	5.58	0.00	50.89	74.00	23.11	PK	Horizontal
2	5150.000	6.98	33.40	5.59	0.00	45.97	68.20	22.23	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11A TX 5180MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\20		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



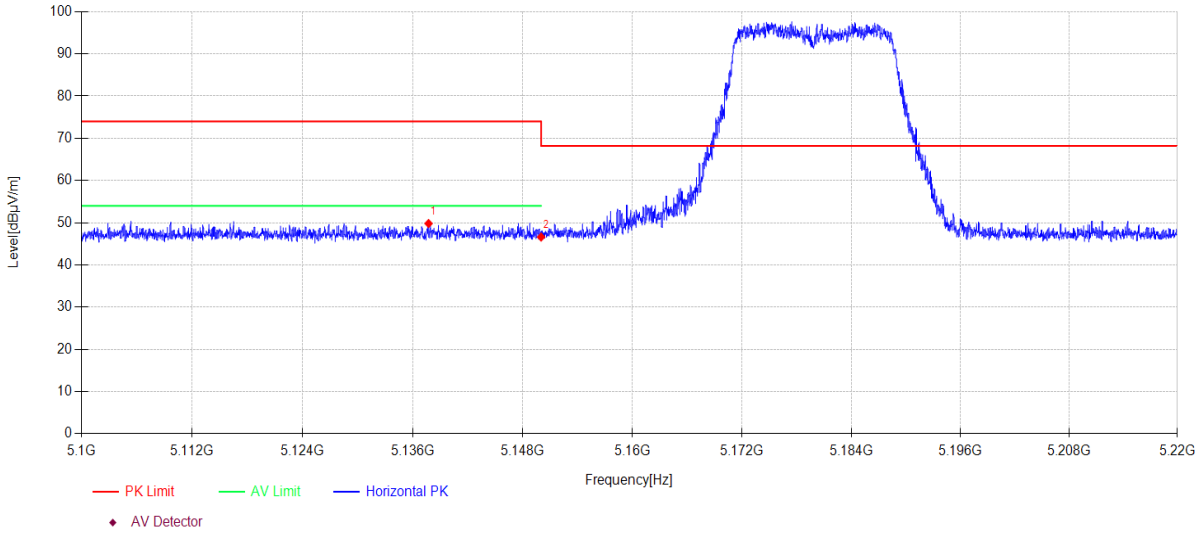
Data List										
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5139.108	10.87	33.40	5.58	0.00	49.85	74.00	24.15	PK	Vertical
2	5150.000	8.57	33.40	5.59	0.00	47.56	68.20	20.64	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11N20 TX 5180MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\21		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List

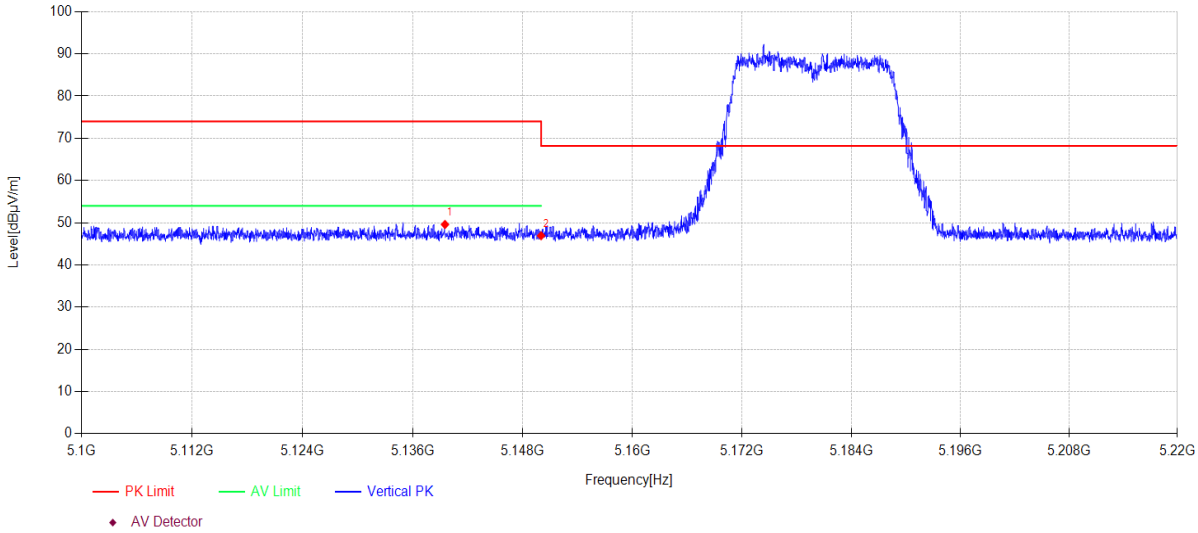
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5137.716	10.83	33.40	5.58	0.00	49.81	74.00	24.19	PK	Horizontal
2	5150.000	7.62	33.40	5.59	0.00	46.61	68.20	21.59	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11N20 TX 5180MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\22		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



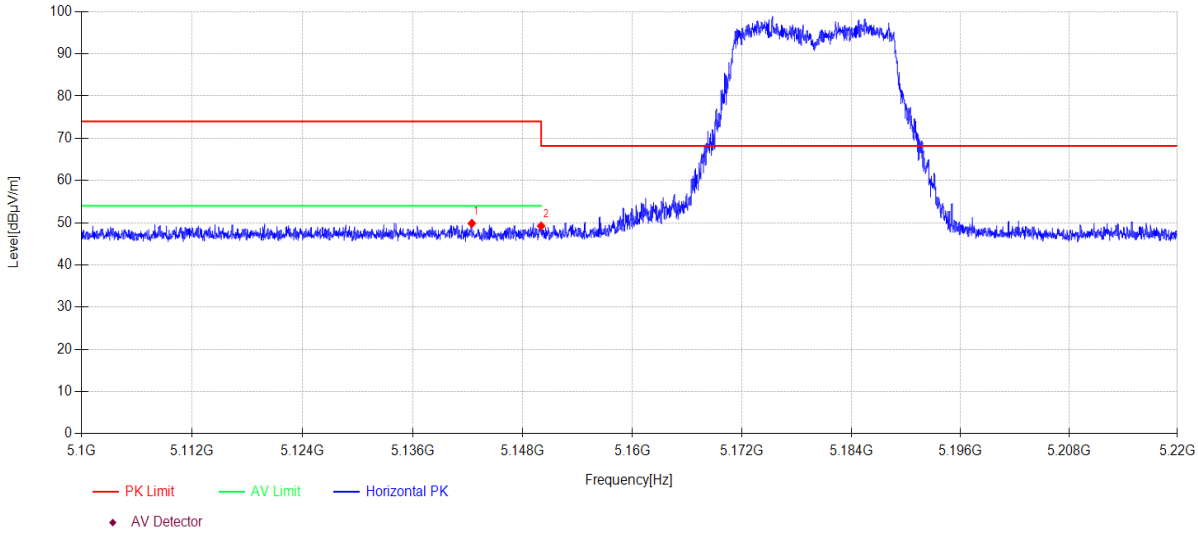
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5139.504	10.60	33.40	5.58	0.00	49.58	74.00	24.42	PK	Vertical
2	5150.000	7.93	33.40	5.59	0.00	46.92	68.20	21.28	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5180MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\23		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



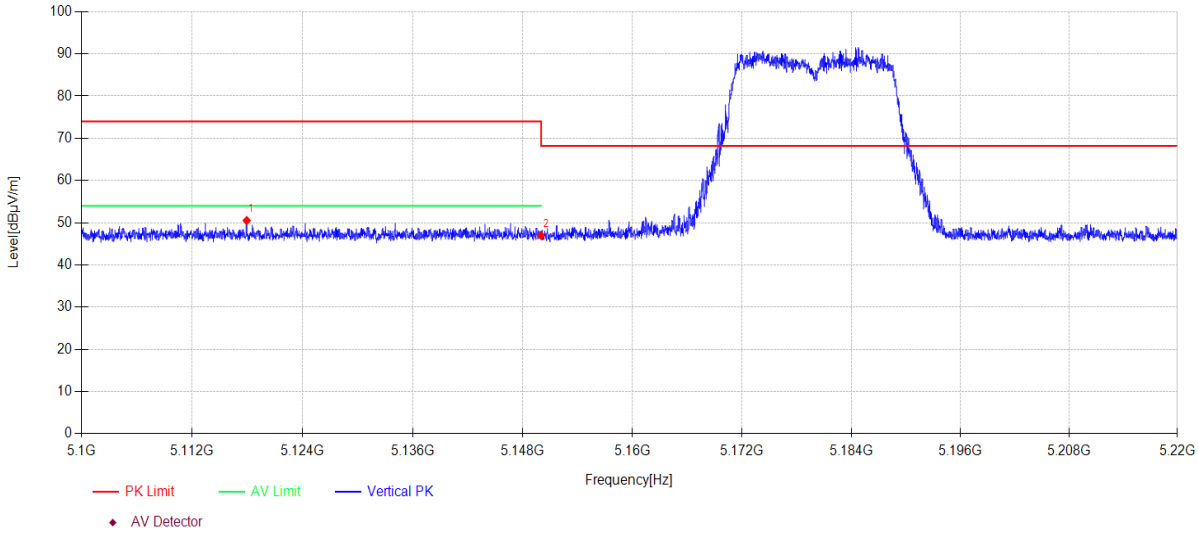
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5142.432	10.86	33.40	5.58	0.00	49.84	74.00	24.16	PK	Horizontal
2	5150.000	10.24	33.40	5.59	0.00	49.23	68.20	18.97	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5180MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\24		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



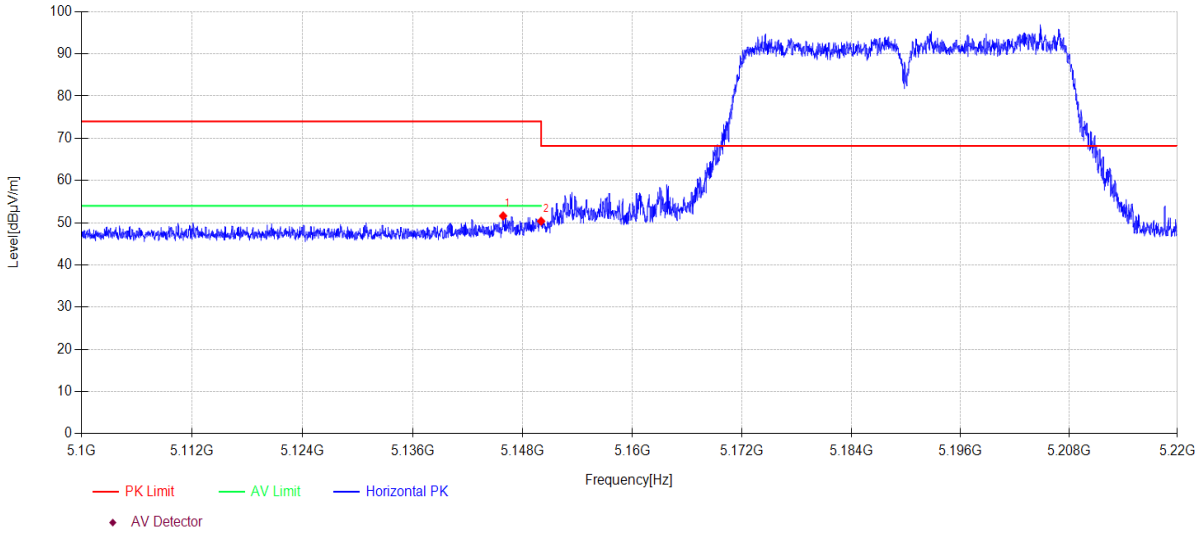
Data List										
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5117.928	11.55	33.40	5.57	0.00	50.52	74.00	23.48	PK	Vertical
2	5150.000	7.97	33.40	5.59	0.00	46.96	68.20	21.24	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11N40 TX 5190MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\25		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



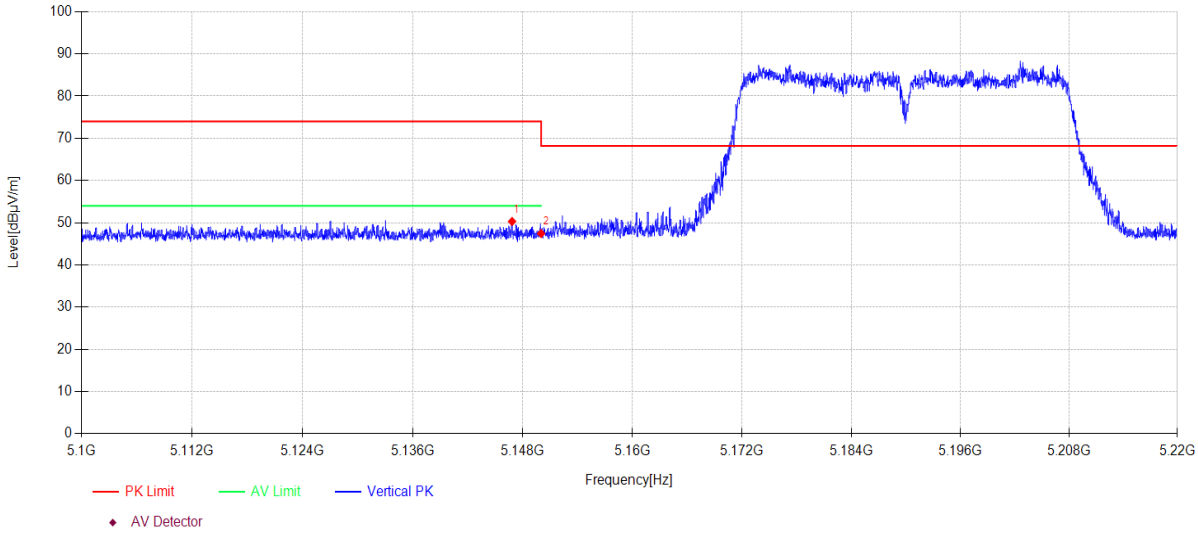
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5145.852	12.63	33.40	5.58	0.00	51.61	74.00	22.39	PK	Horizontal
2	5150.000	11.38	33.40	5.59	0.00	50.37	68.20	17.83	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11N40 TX 5190MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\26		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



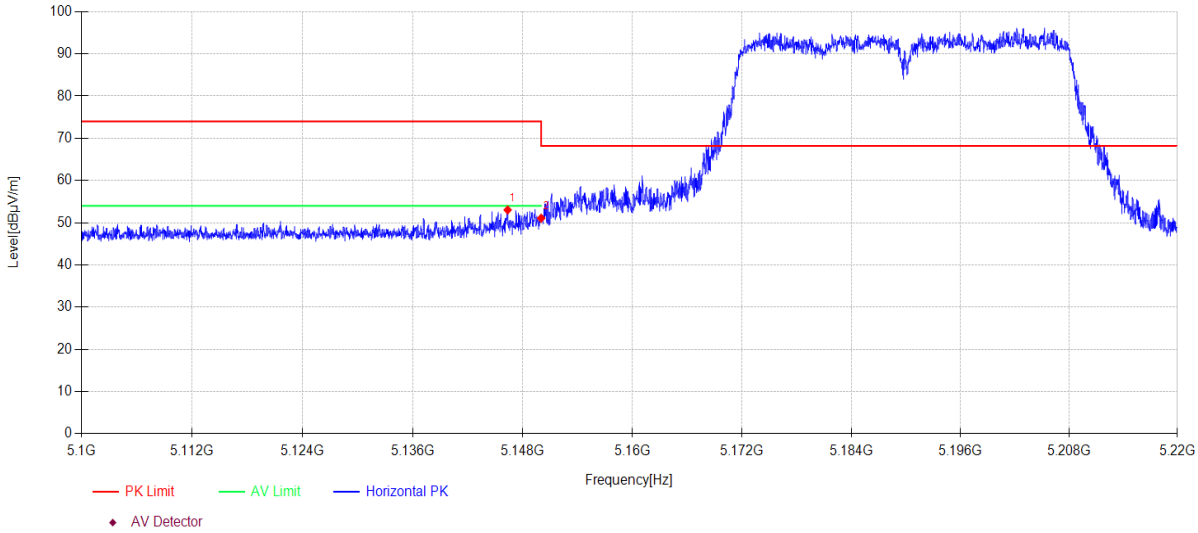
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5146.824	11.32	33.40	5.58	0.00	50.30	74.00	23.70	PK	Vertical
2	5150.000	8.45	33.40	5.59	0.00	47.44	68.20	20.76	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC40 TX 5190MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\27		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



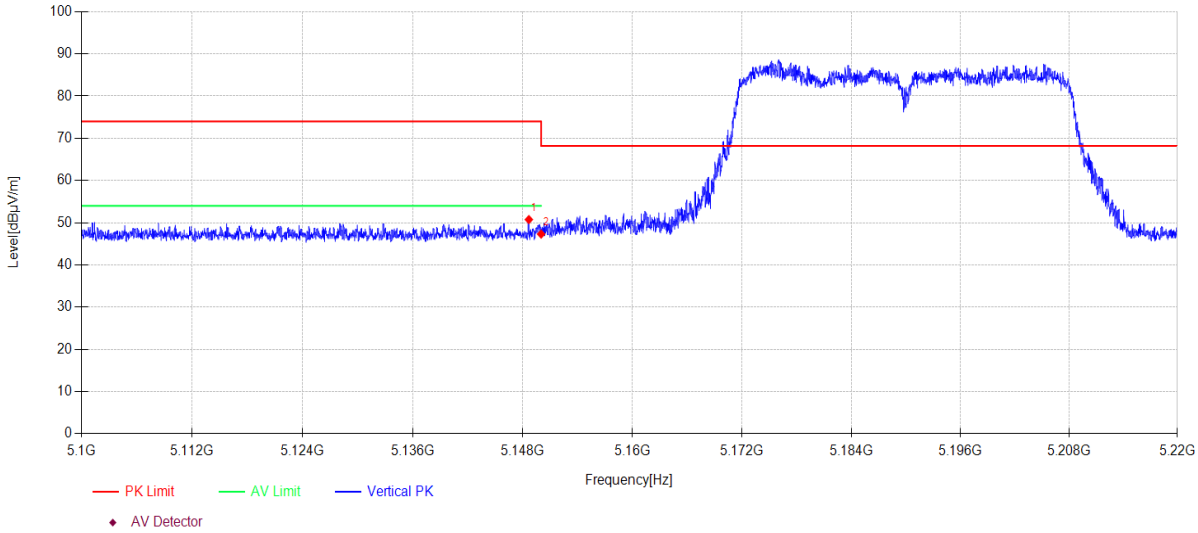
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5146.344	14.05	33.40	5.58	0.00	53.03	74.00	20.97	PK	Horizontal
2	5150.000	12.08	33.40	5.59	0.00	51.07	68.20	17.13	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC40 TX 5190MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\28		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



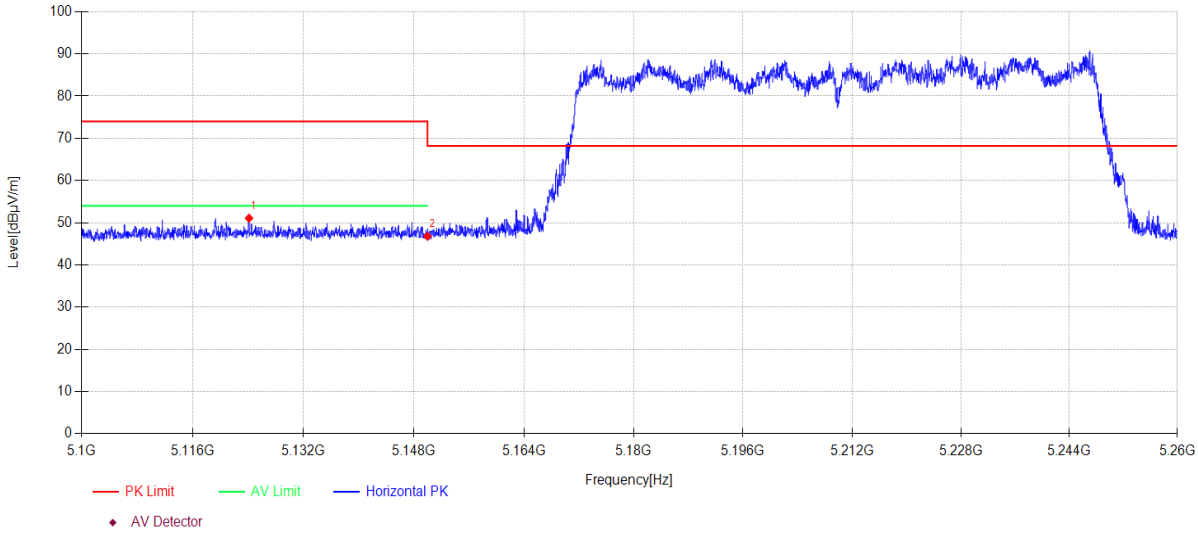
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5148.660	11.77	33.40	5.58	0.00	50.75	74.00	23.25	PK	Vertical
2	5150.000	8.32	33.40	5.59	0.00	47.31	68.20	20.89	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC80 TX 5210MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\29		
Memo:	Sample Number:S24021902-002 Power Setting:34		

Test Graph



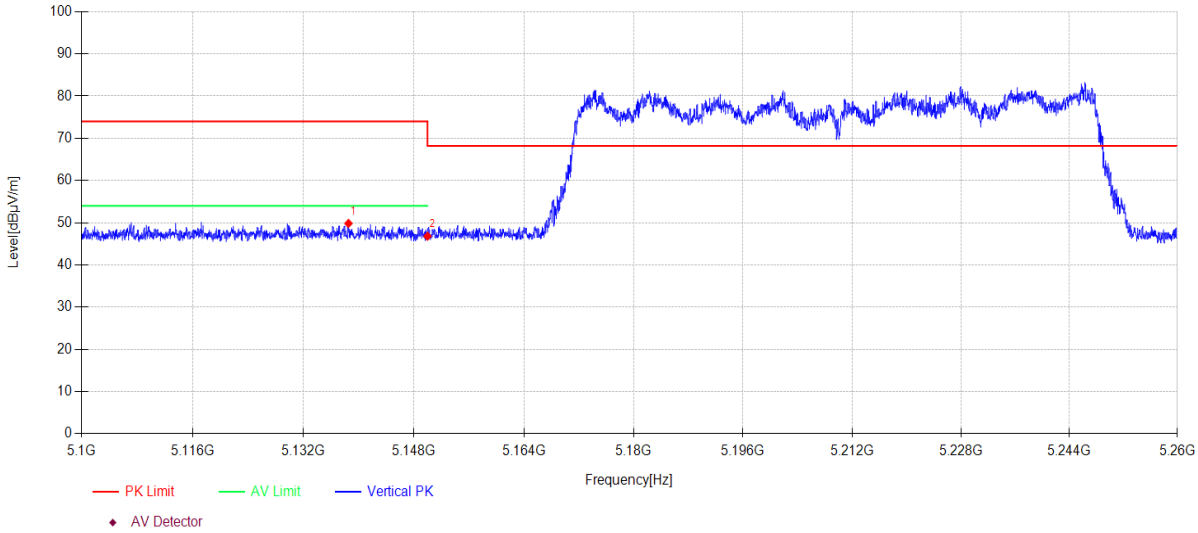
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5124.160	12.11	33.40	5.57	0.00	51.08	74.00	22.92	PK	Horizontal
2	5150.000	7.79	33.40	5.59	0.00	46.78	68.20	21.42	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC80 TX 5210MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\30		
Memo:	Sample Number:S24021902-002 Power Setting:34		

Test Graph



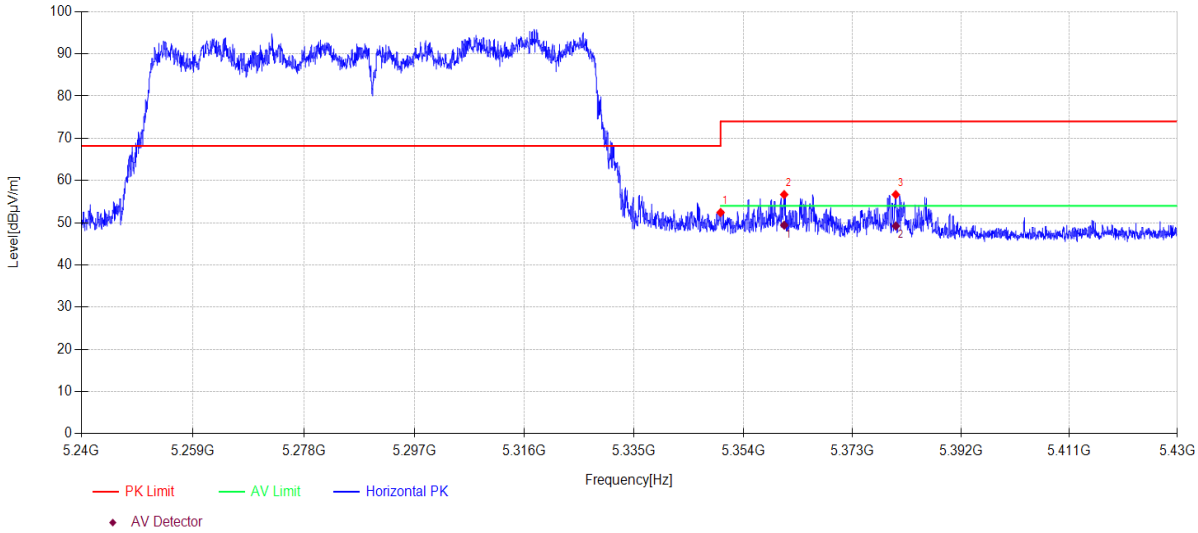
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5138.544	10.85	33.40	5.58	0.00	49.83	74.00	24.17	PK	Vertical
2	5150.000	7.81	33.40	5.59	0.00	46.80	68.20	21.40	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC80 TX 5290MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\31		
Memo:	Sample Number:S24021902-002 Power Setting:34		

Test Graph



Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5350.000	13.63	33.10	5.69	0.00	52.42	74.00	21.58	PK	Horizontal
2	5361.068	17.88	33.10	5.69	0.00	56.67	74.00	17.33	PK	Horizontal
3	5380.543	17.86	33.10	5.70	0.00	56.66	74.00	17.34	PK	Horizontal

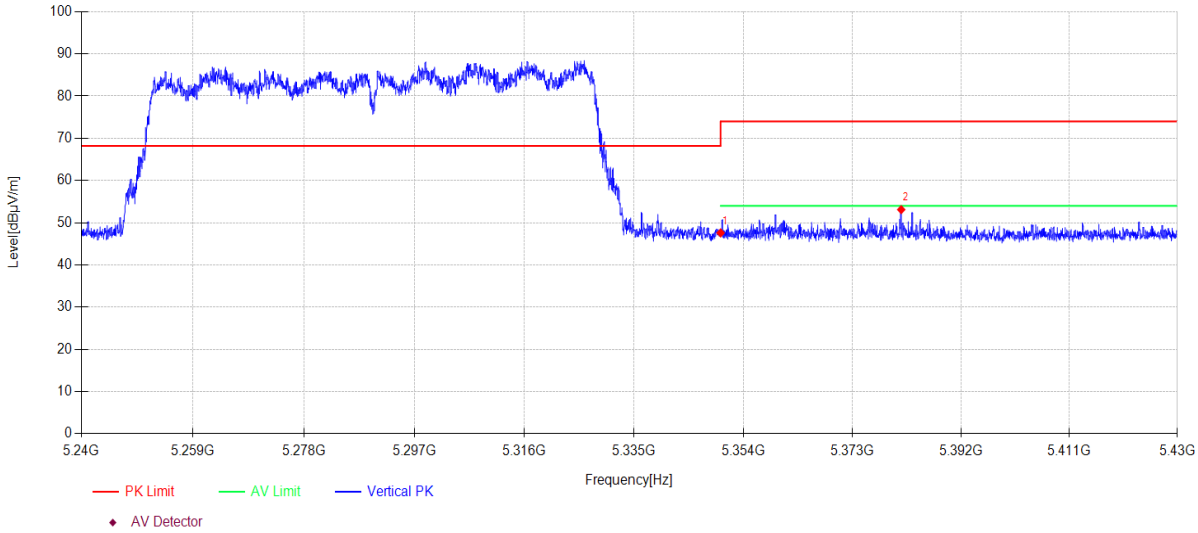
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5361.068	10.63	33.10	5.69	0.00	49.42	54.0	4.58	AV	Horizontal
2	5380.543	10.42	33.10	5.70	0.00	49.22	54.0	4.78	AV	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC80 TX 5290MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\32		
Memo:	Sample Number:S24021902-002 Power Setting:34		

Test Graph



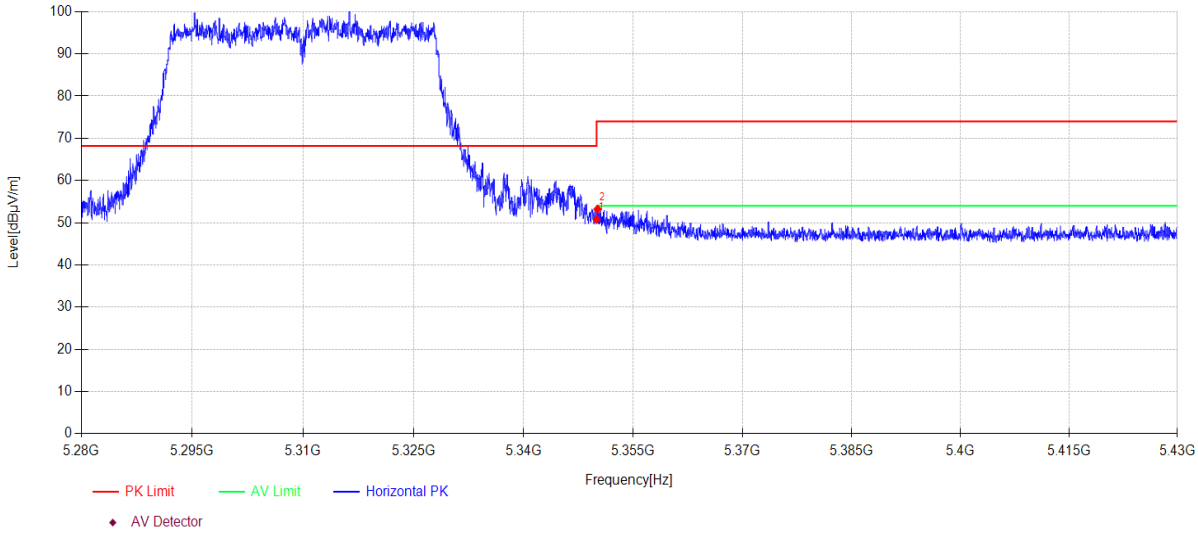
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5350.000	8.80	33.10	5.69	0.00	47.59	74.00	26.41	PK	Vertical
2	5381.493	14.30	33.10	5.70	0.00	53.10	74.00	20.90	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC40 TX 5310MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\33		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



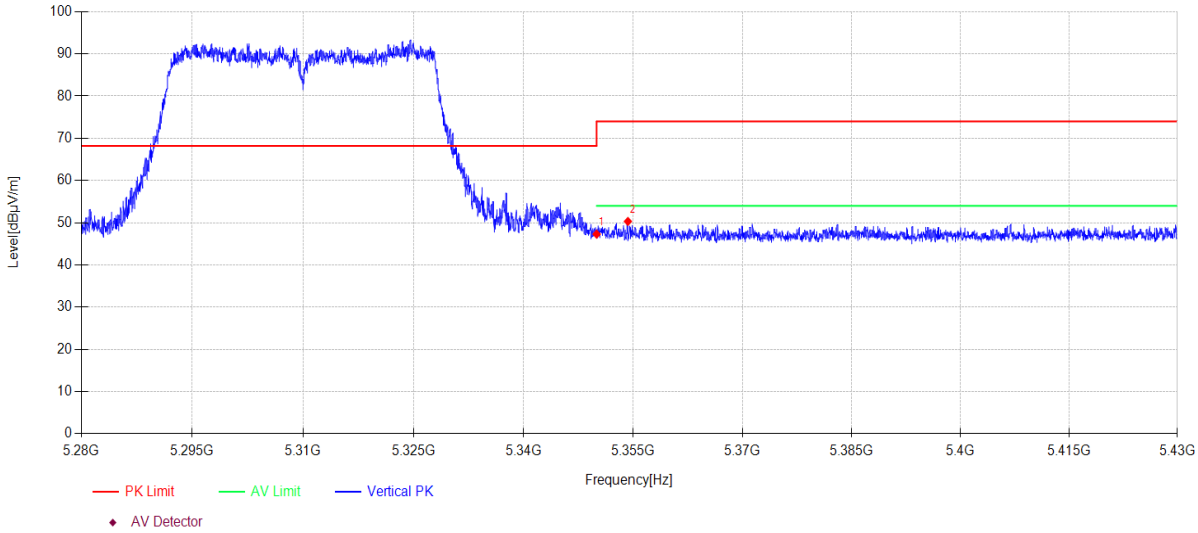
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5350.000	11.98	33.10	5.69	0.00	50.77	74.00	23.23	PK	Horizontal
2	5350.125	14.42	33.10	5.69	0.00	53.21	74.00	20.79	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC40 TX 5310MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\34		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



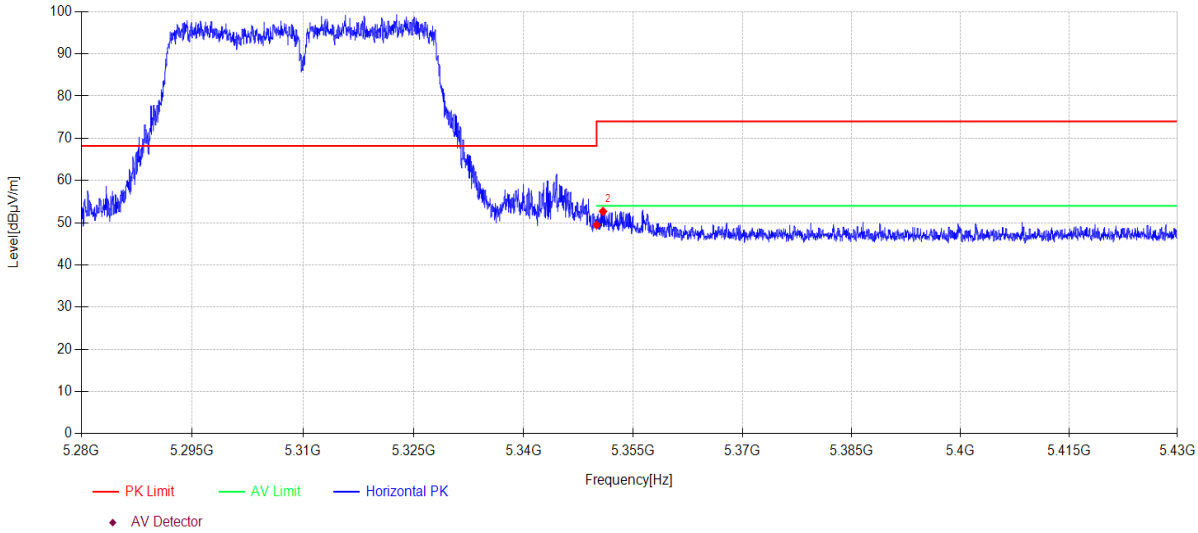
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5350.000	8.51	33.10	5.69	0.00	47.30	74.00	26.70	PK	Vertical
2	5354.280	11.52	33.10	5.69	0.00	50.31	74.00	23.69	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11N40 TX 5310MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\35		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



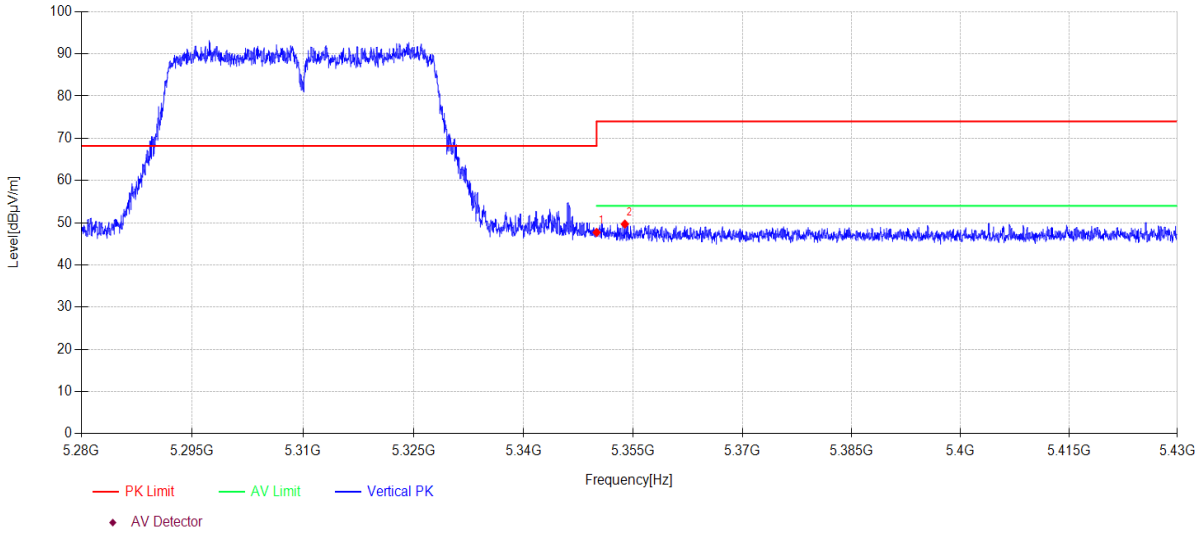
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5350.000	10.66	33.10	5.69	0.00	49.45	74.00	24.55	PK	Horizontal
2	5350.875	13.90	33.10	5.69	0.00	52.69	74.00	21.31	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11N40 TX 5310MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\36		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



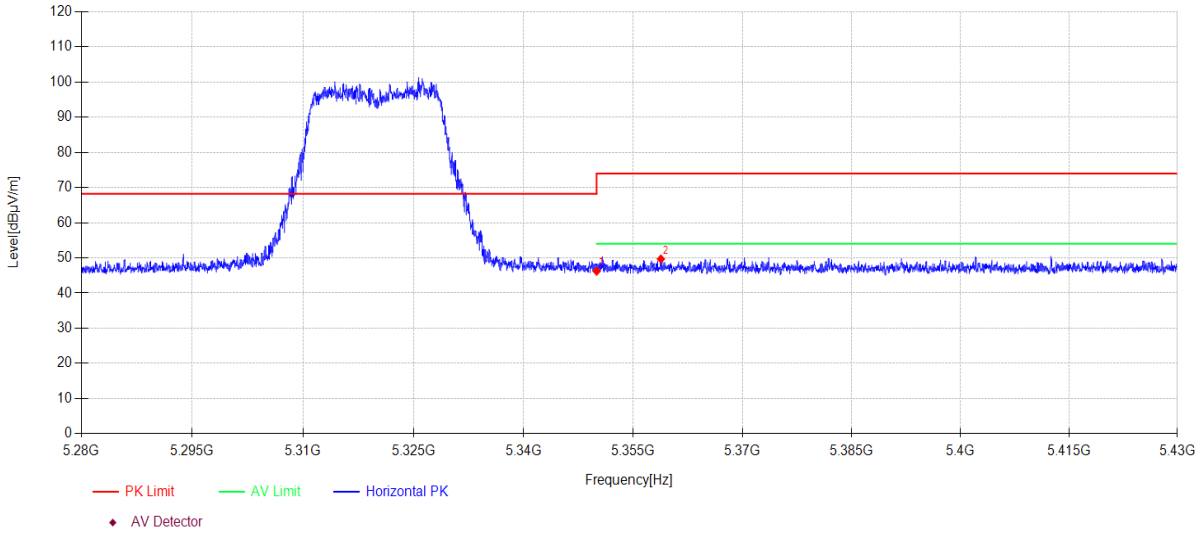
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5350.000	8.92	33.10	5.69	0.00	47.71	74.00	26.29	PK	Vertical
2	5353.860	10.89	33.10	5.69	0.00	49.68	74.00	24.32	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11N20 TX 5320MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\37		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



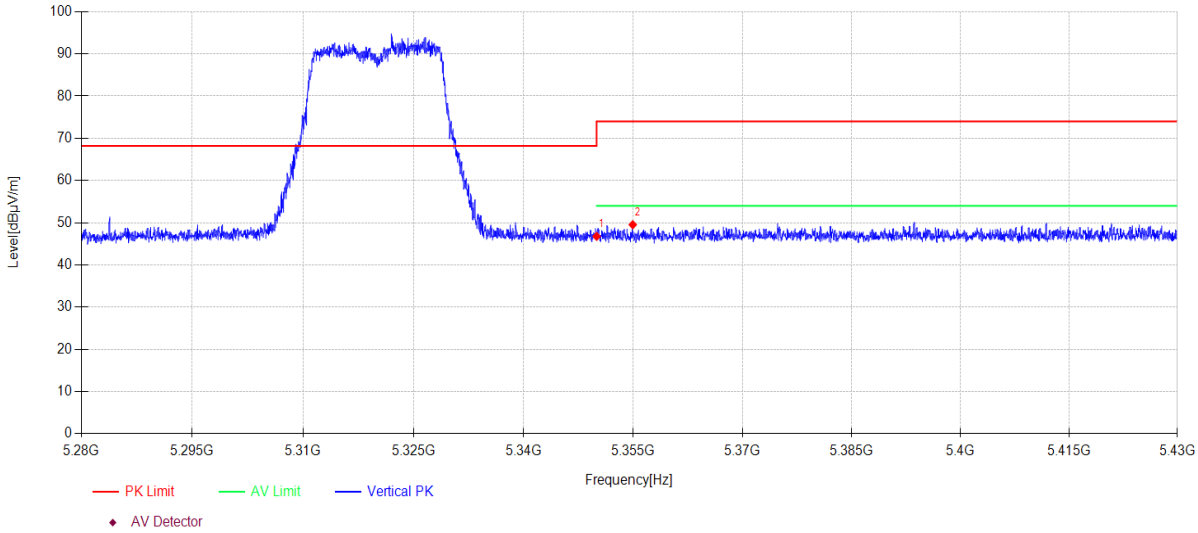
Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5350.000	7.45	33.10	5.69	0.00	46.24	74.00	27.76	PK	Horizontal
2	5358.795	10.90	33.10	5.69	0.00	49.69	74.00	24.31	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11N20 TX 5320MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\38		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



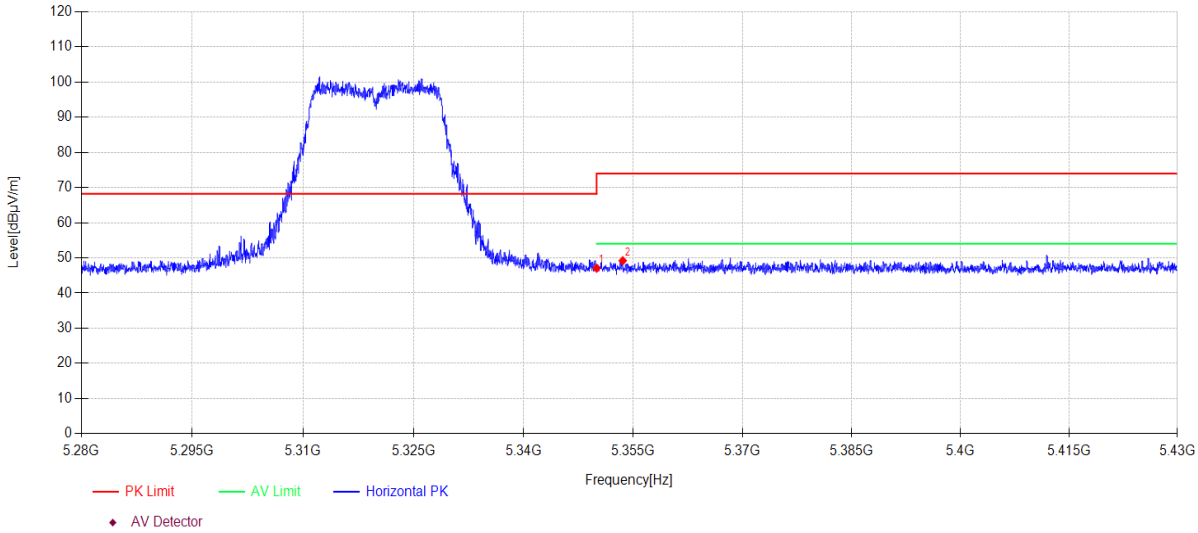
Data List										
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5350.000	7.98	33.10	5.69	0.00	46.77	74.00	27.23	PK	Vertical
2	5354.940	10.74	33.10	5.69	0.00	49.53	74.00	24.47	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-04-24	**Tested By**:	Juchang Du
EUT:	Senza Cloud Connector	**Model Number**:	SZC004
Test Mode:	11AC20 TX 5320MHz	**Power Supply**:	DC 5V
Condition:	Temp:23.5°C;Humi:59.7%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24021902-2E\FCC ABOVE 1G 5G\39		
Memo:	Sample Number:S24021902-002 Power Setting:38		

Test Graph



Data List										
N O.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	5350.000	8.27	33.10	5.69	0.00	47.06	74.00	26.94	PK	Horizontal
2	5353.575	10.41	33.10	5.69	0.00	49.20	74.00	24.80	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.