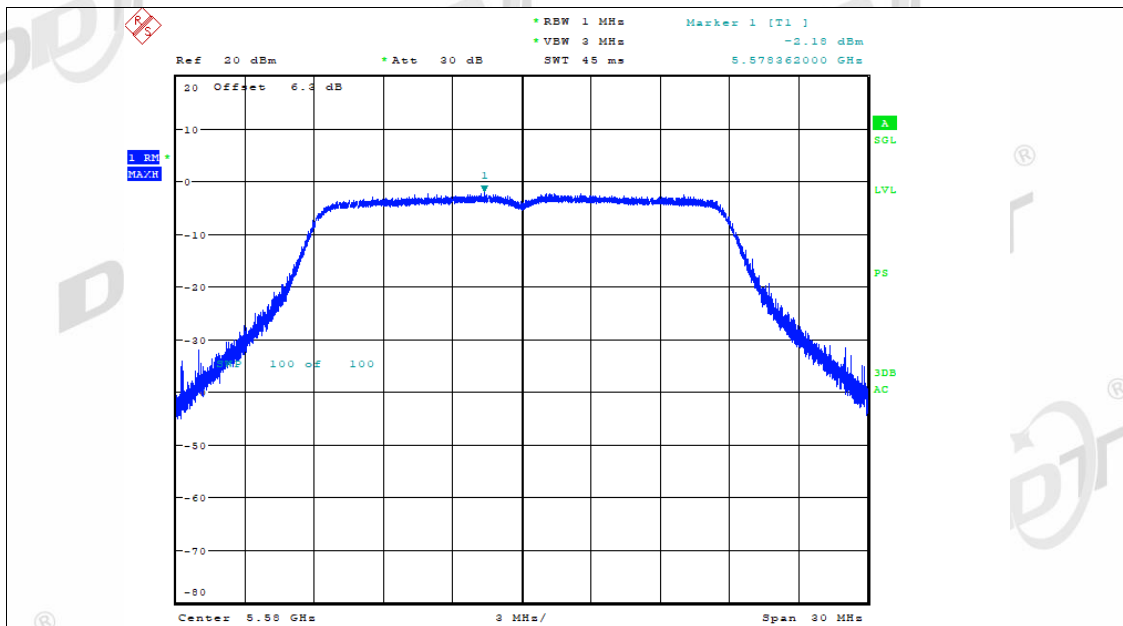
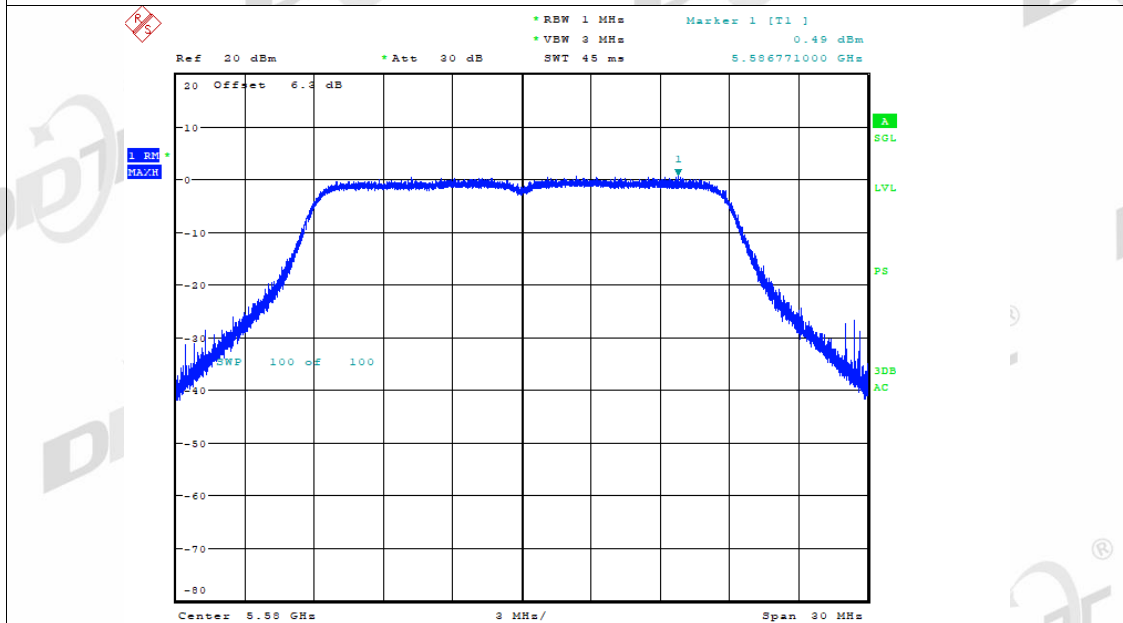




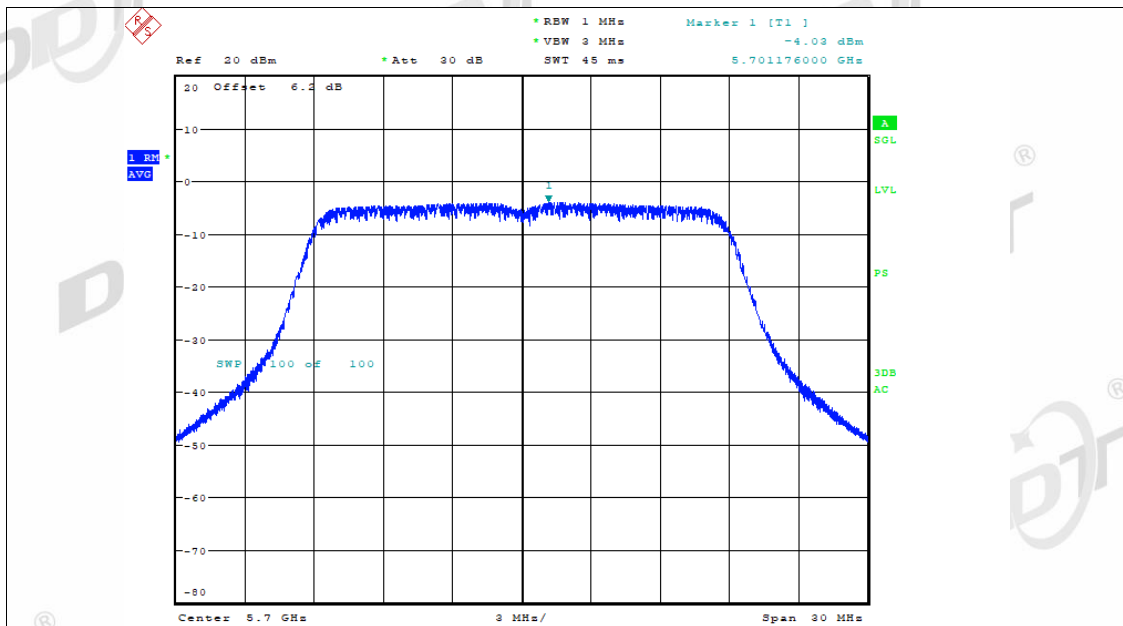
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PSD NVNT n20 5580MHz Ant2



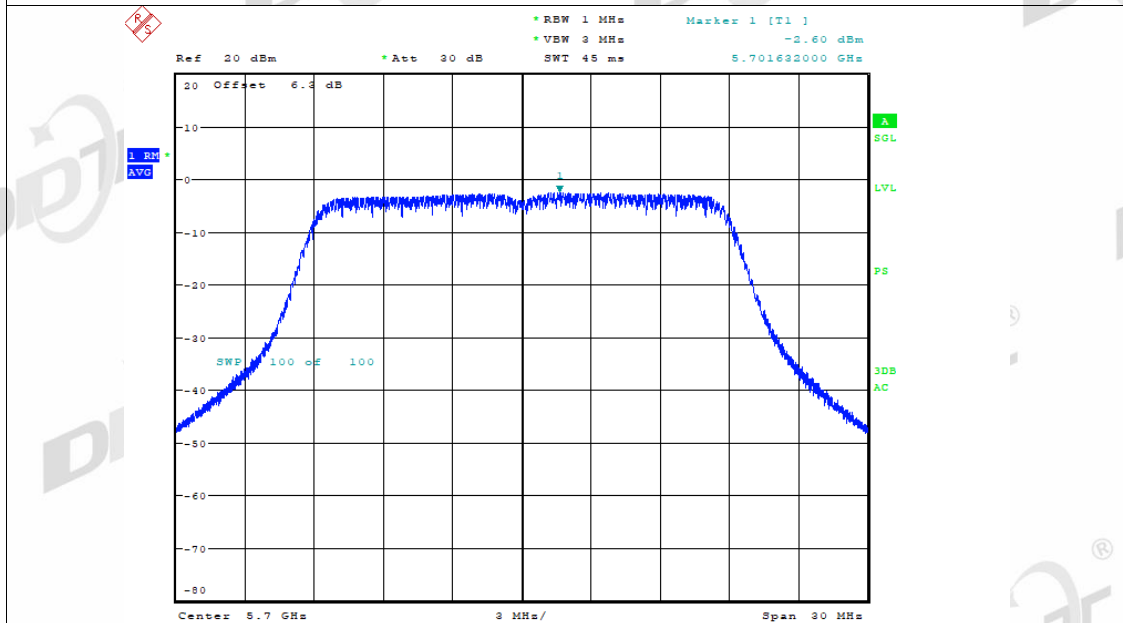
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PSD NVNT n20 5700MHz Ant1



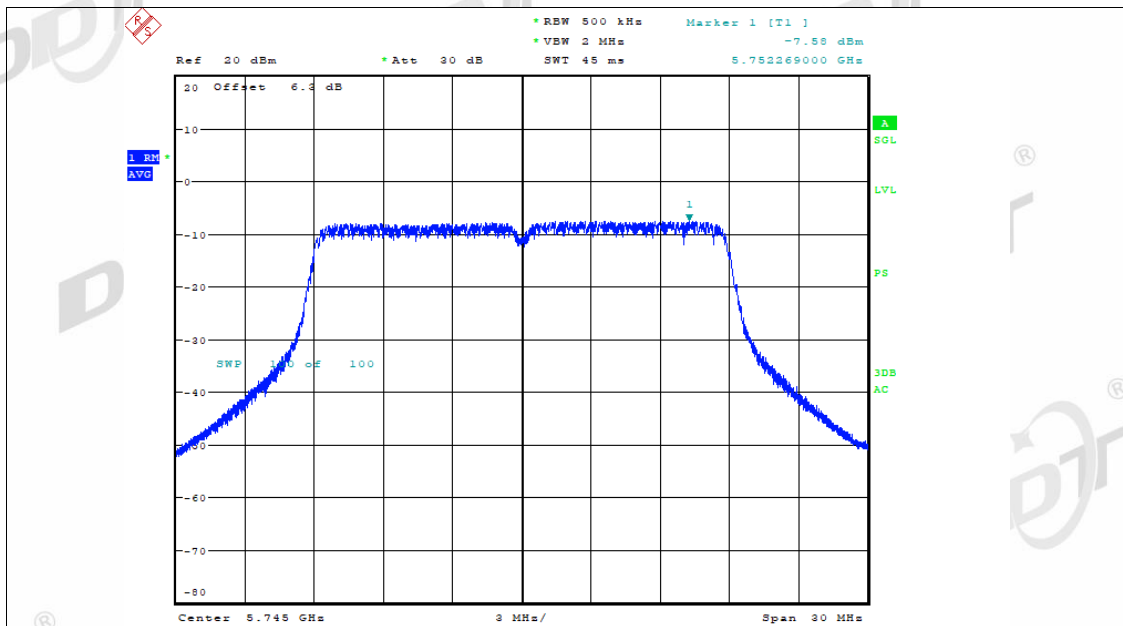
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PSD NVNT n20 5700MHz Ant2

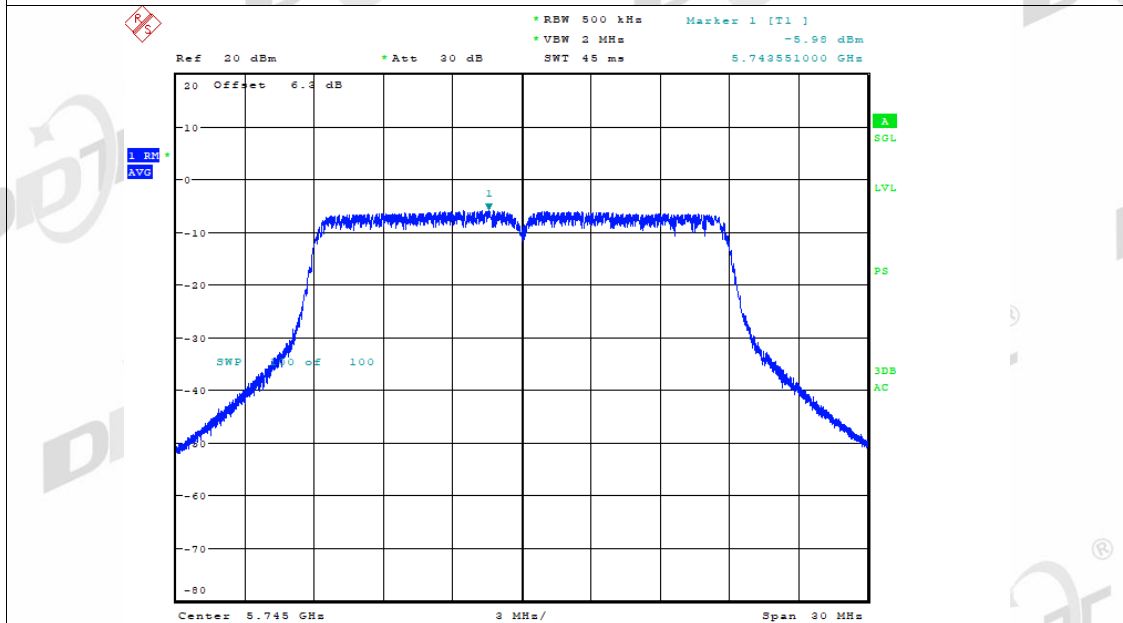


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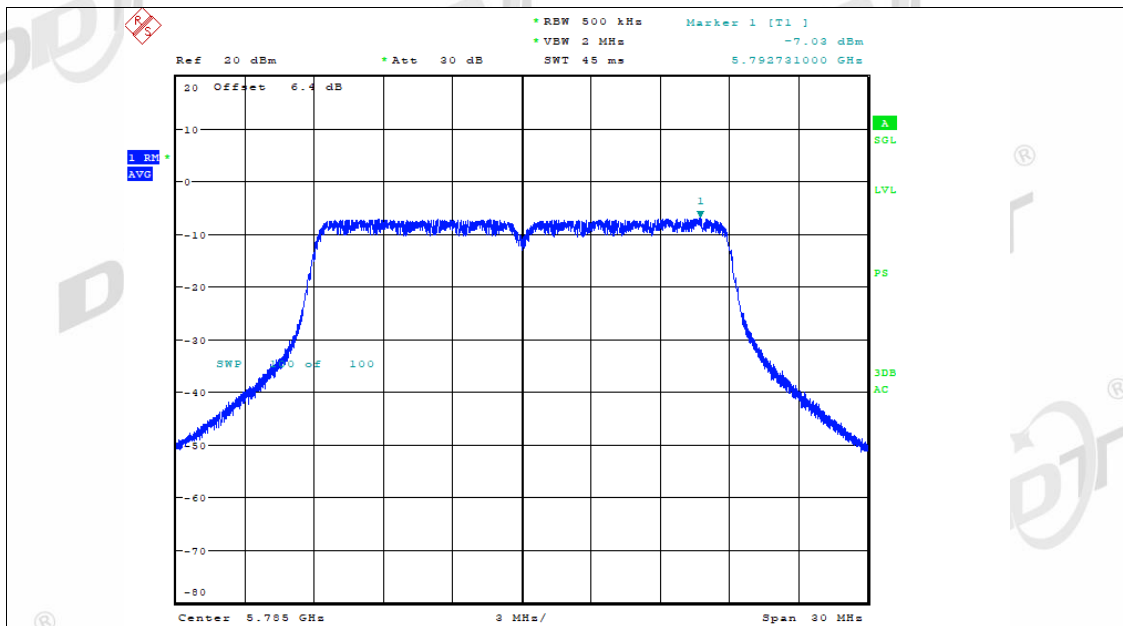
PSD NVNT n20 5745MHz Ant1



PSD NVNT n20 5745MHz Ant2

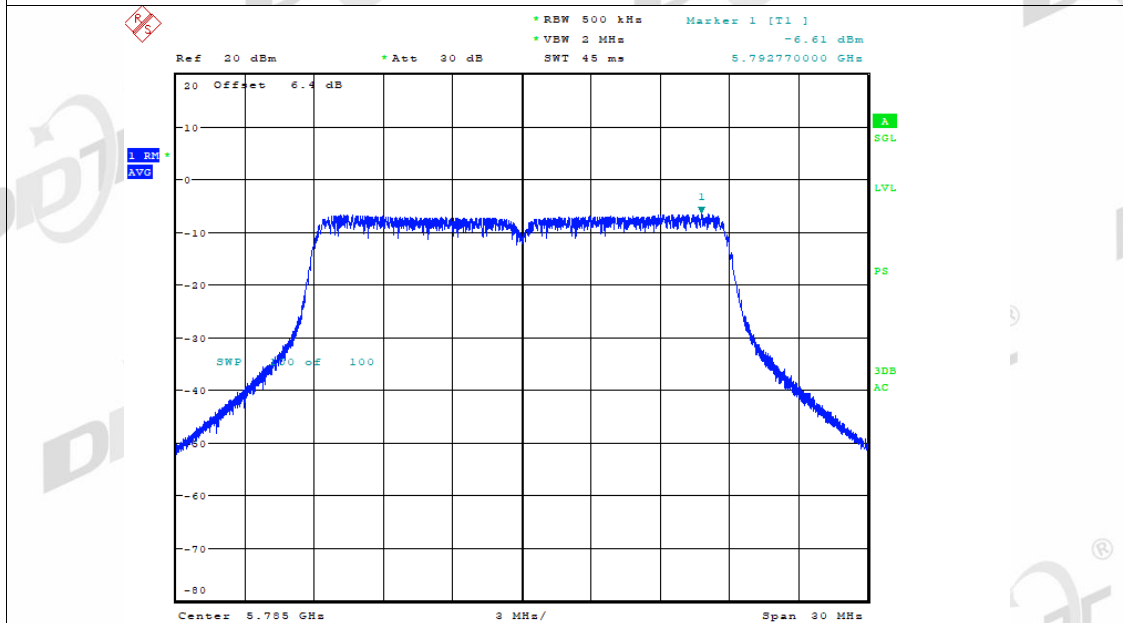


PSD NVNT n20 5785MHz Ant1



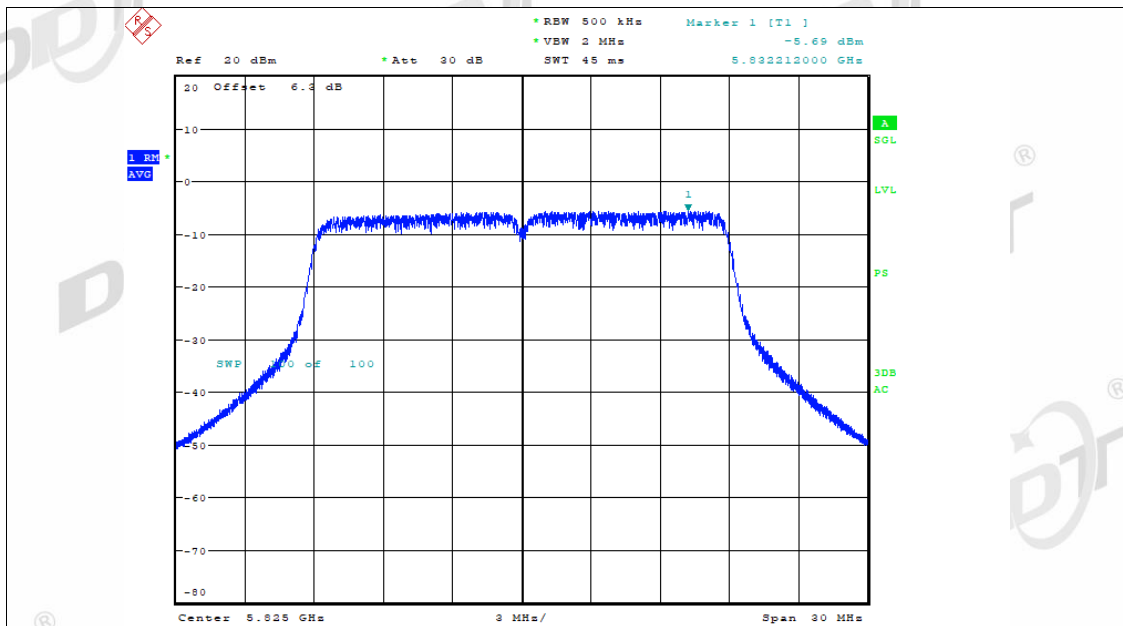
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PSD NVNT n20 5785MHz Ant2



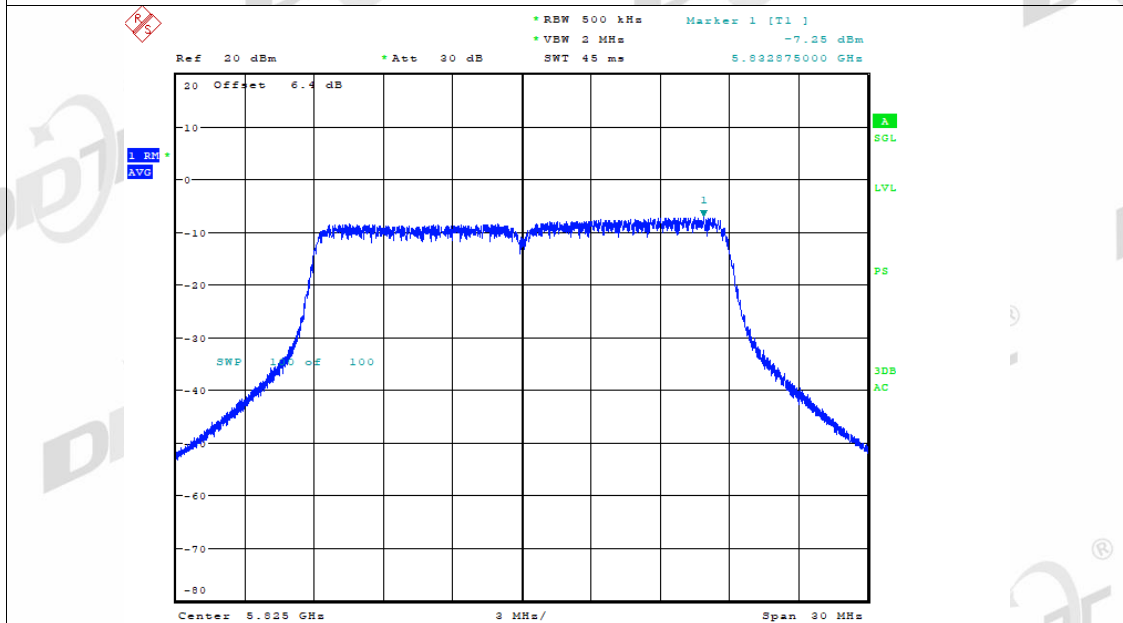
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PSD NVNT n20 5825MHz Ant1



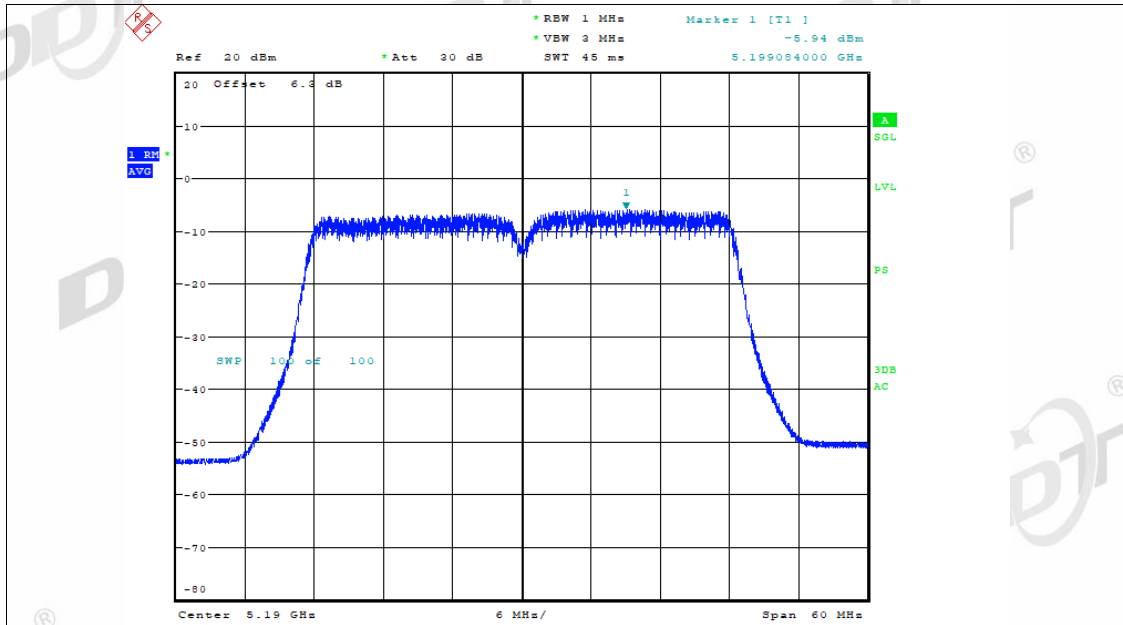
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PSD NVNT n20 5825MHz Ant2



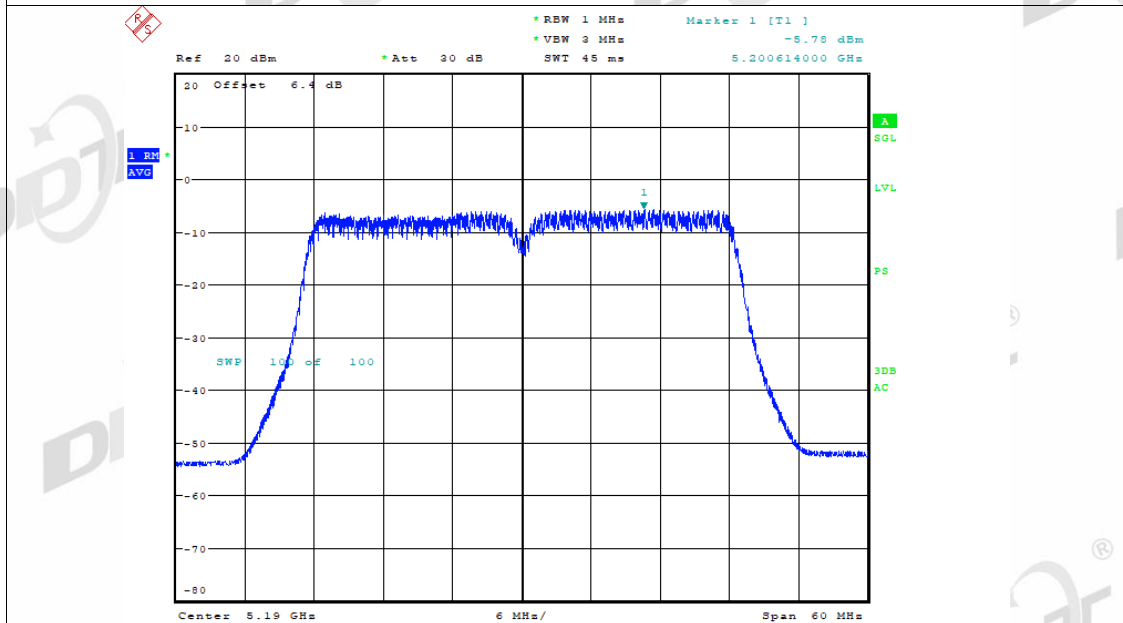
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PSD NVNT n40 5190MHz Ant1



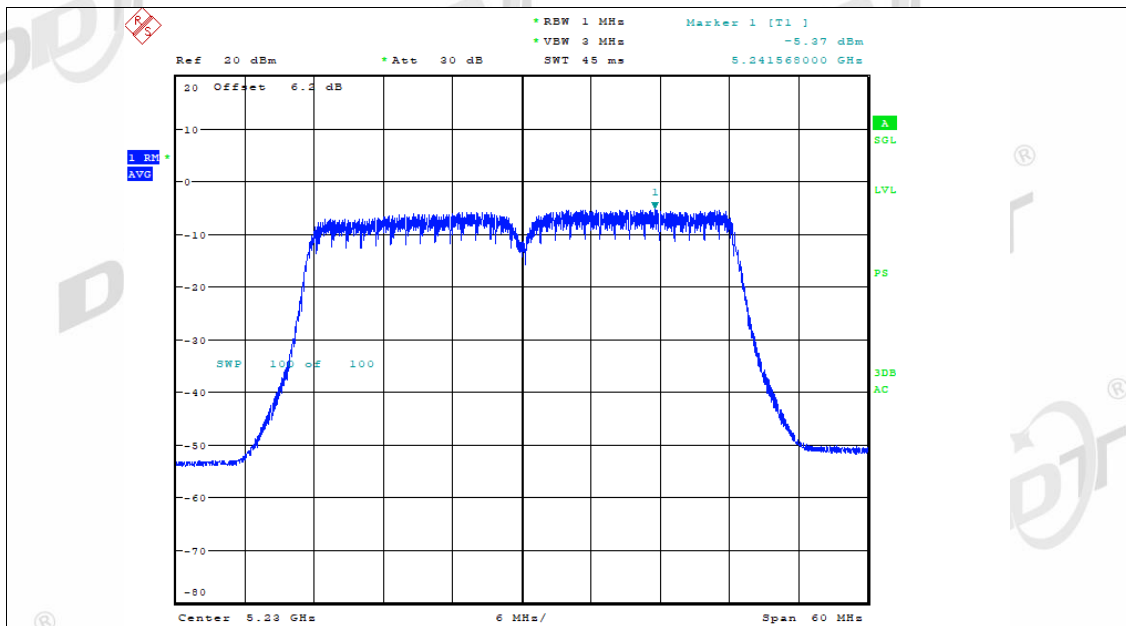
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PSD NVNT n40 5190MHz Ant2



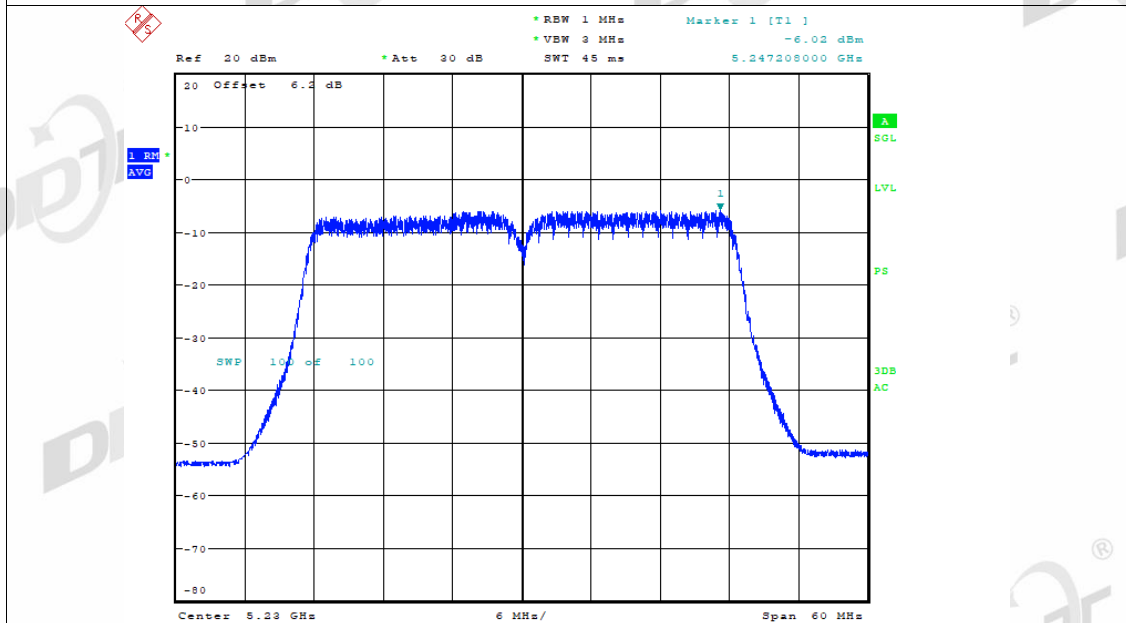
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PSD NVNT n40 5230MHz Ant1



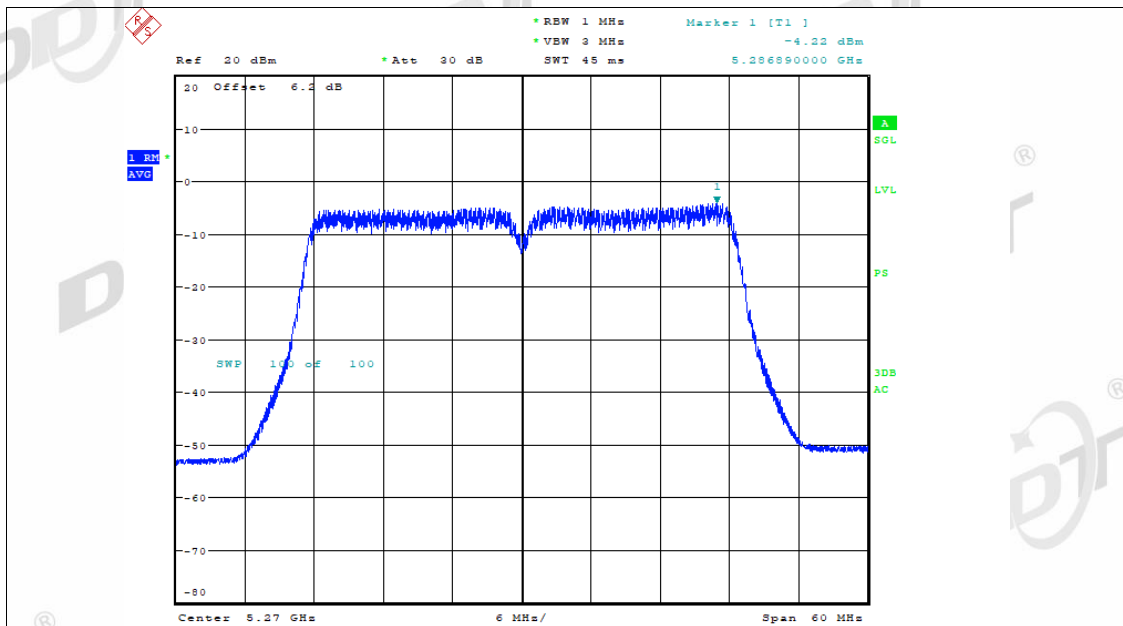
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PSD NVNT n40 5230MHz Ant2



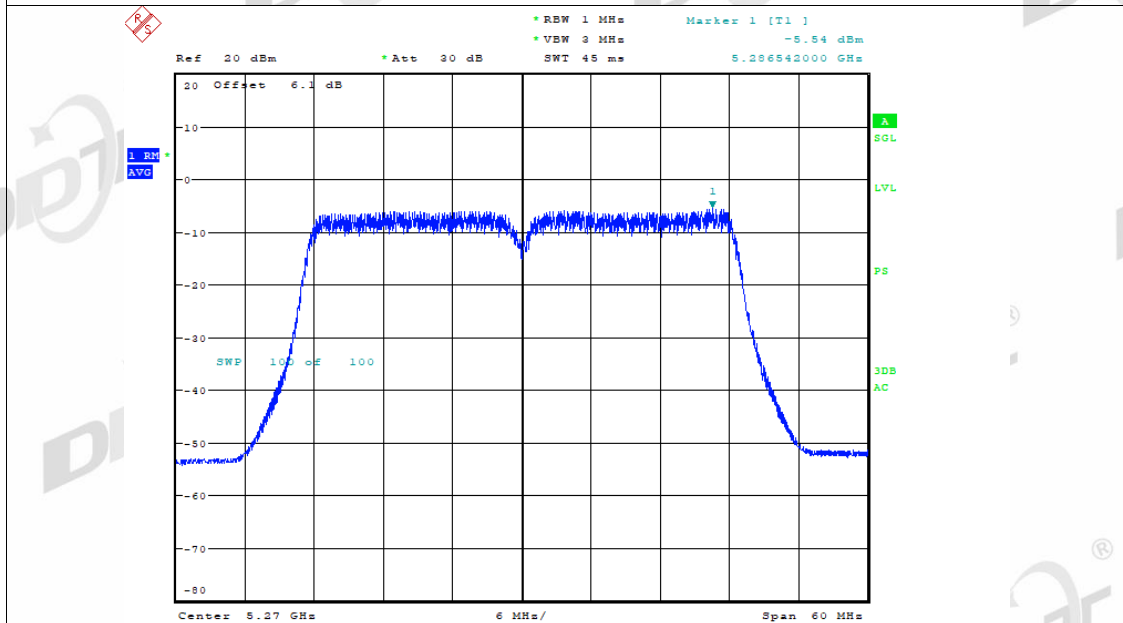
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PSD NVNT n40 5270MHz Ant1



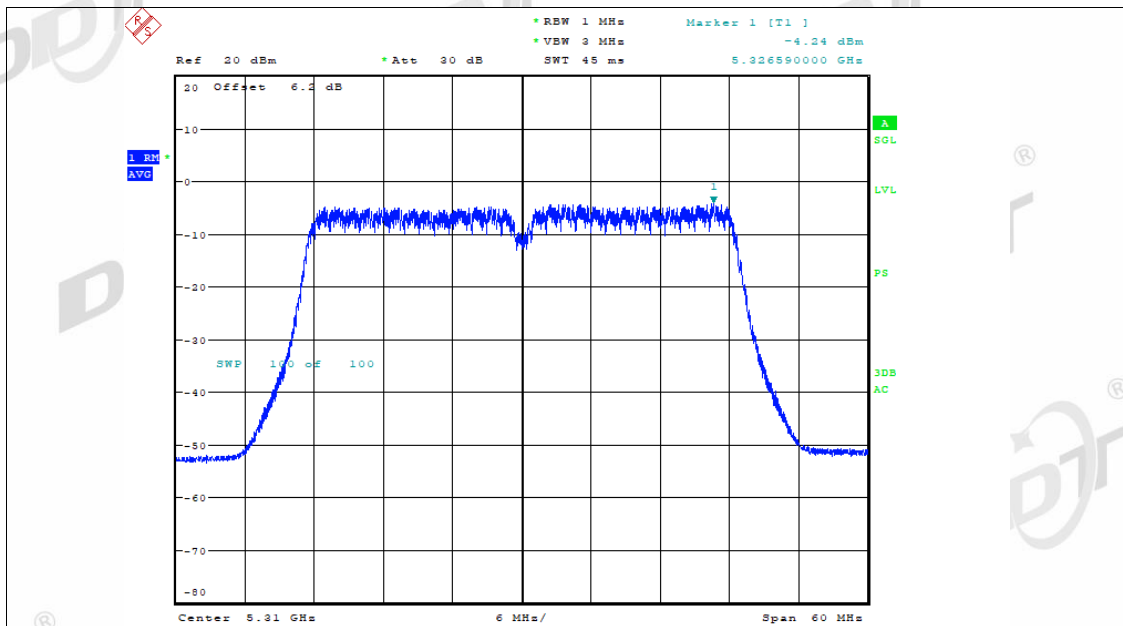
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PSD NVNT n40 5270MHz Ant2



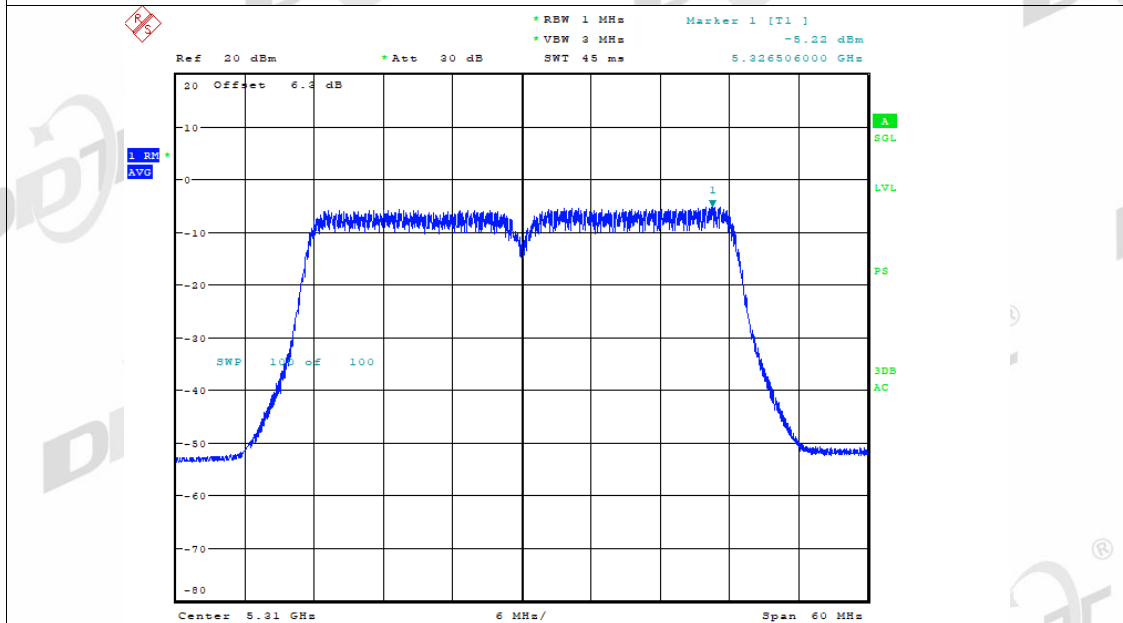
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PSD NVNT n40 5310MHz Ant1



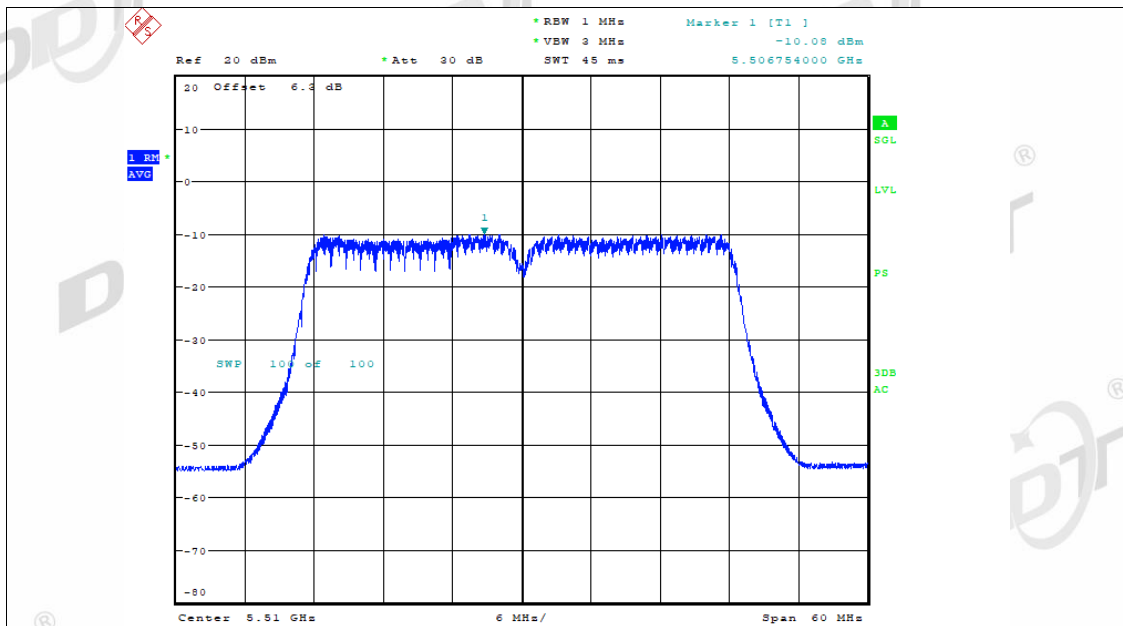
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PSD NVNT n40 5310MHz Ant2



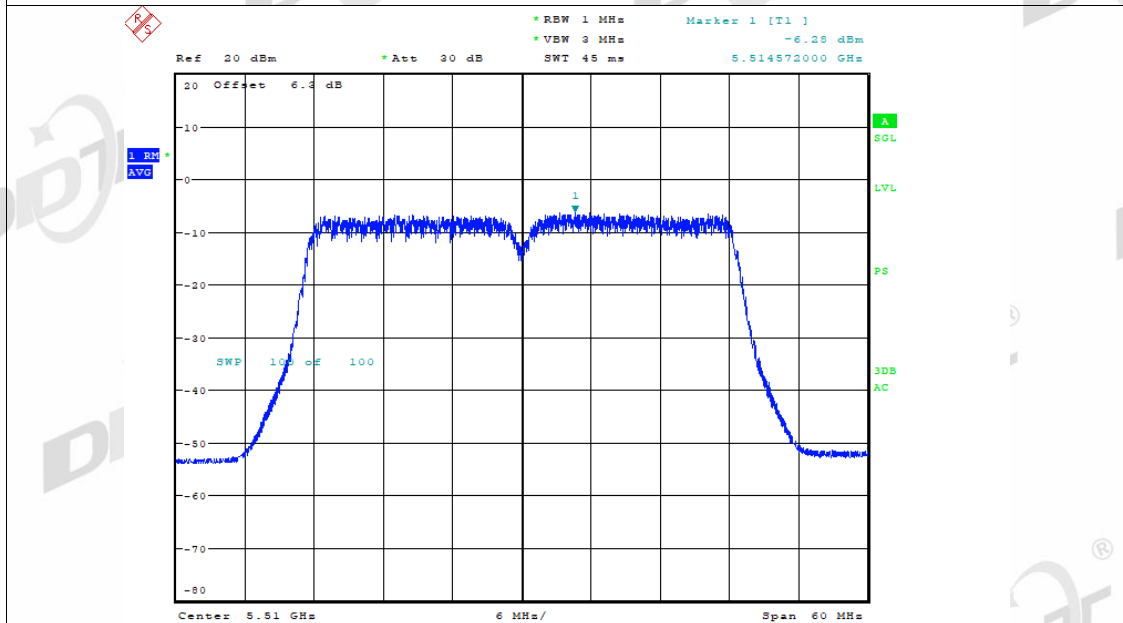
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PSD NVNT n40 5510MHz Ant1



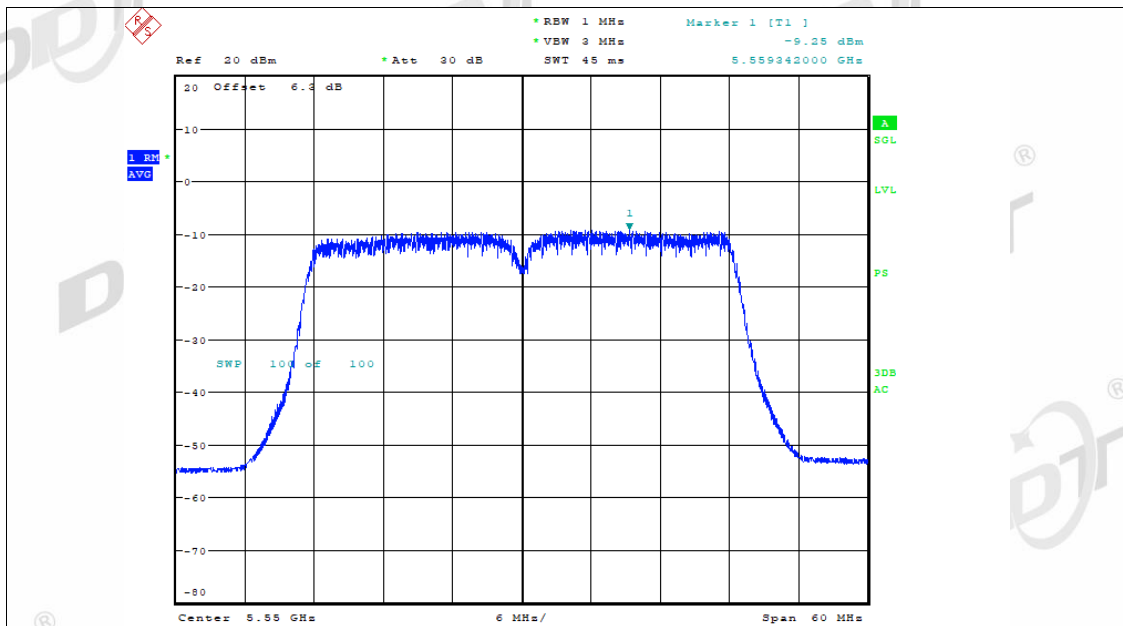
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PSD NVNT n40 5510MHz Ant2



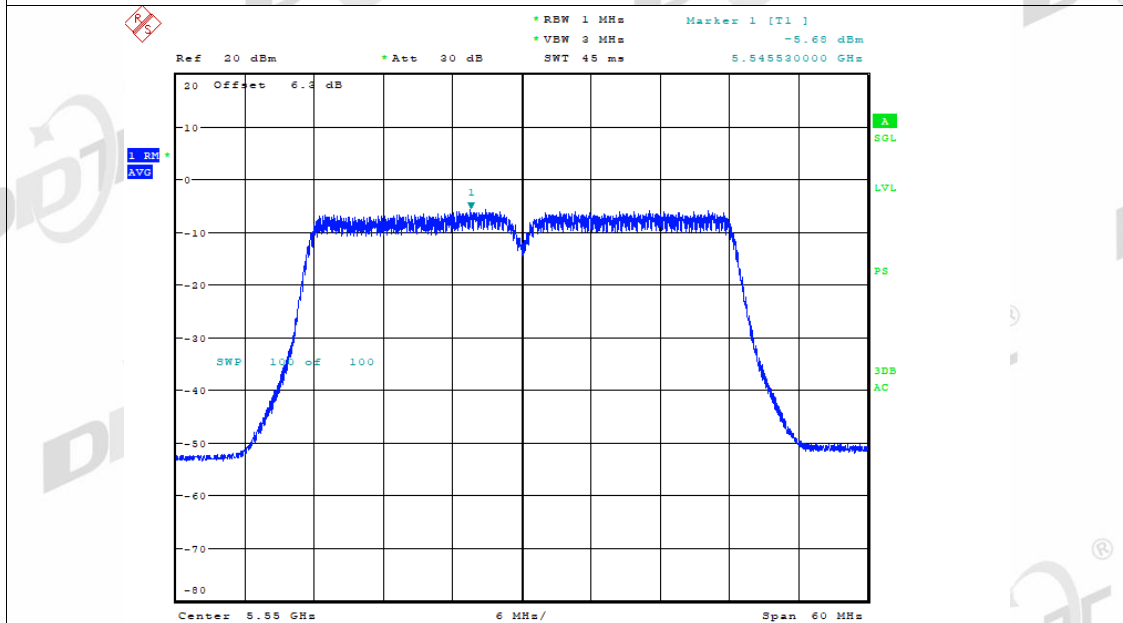
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PSD NVNT n40 5550MHz Ant1



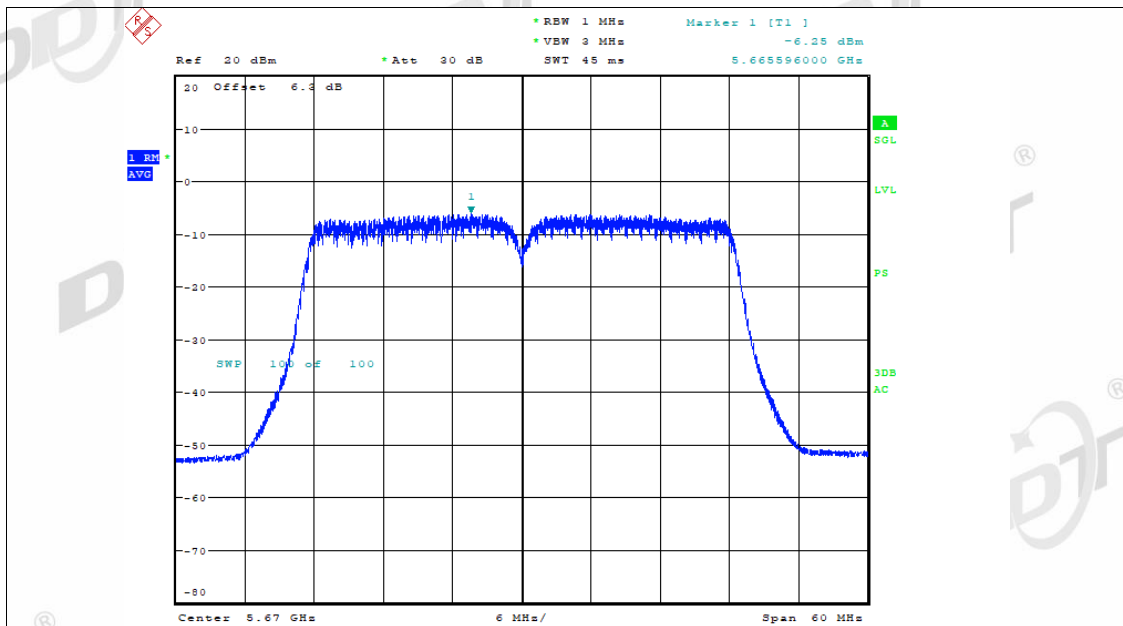
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PSD NVNT n40 5550MHz Ant2



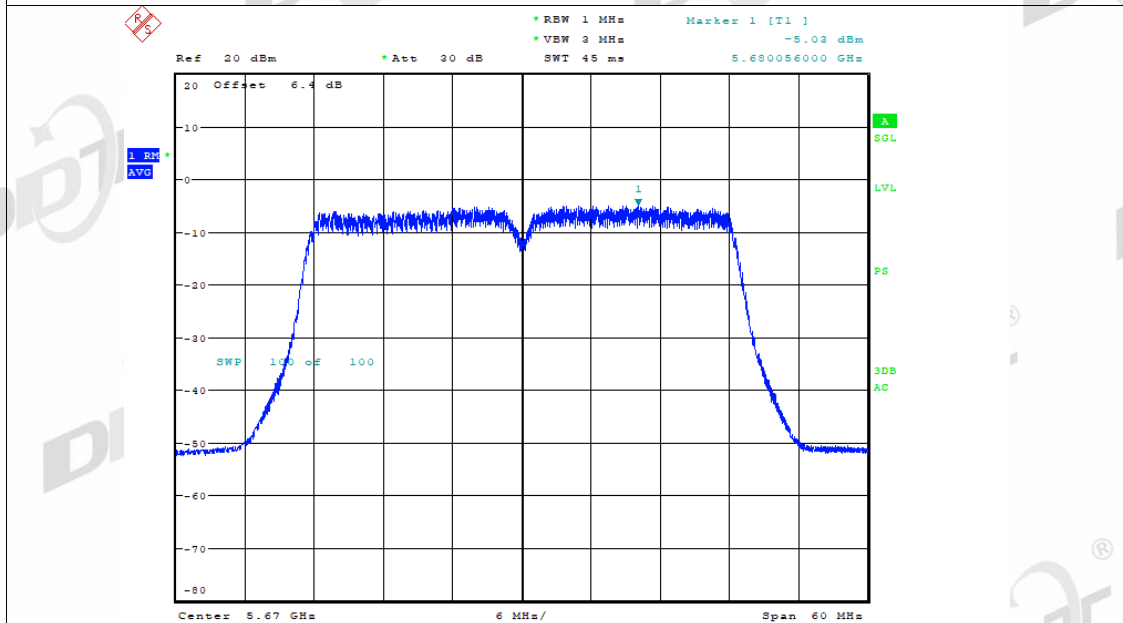
Date: 31.JAN.2023 13:44:26

PSD NVNT n40 5670MHz Ant1



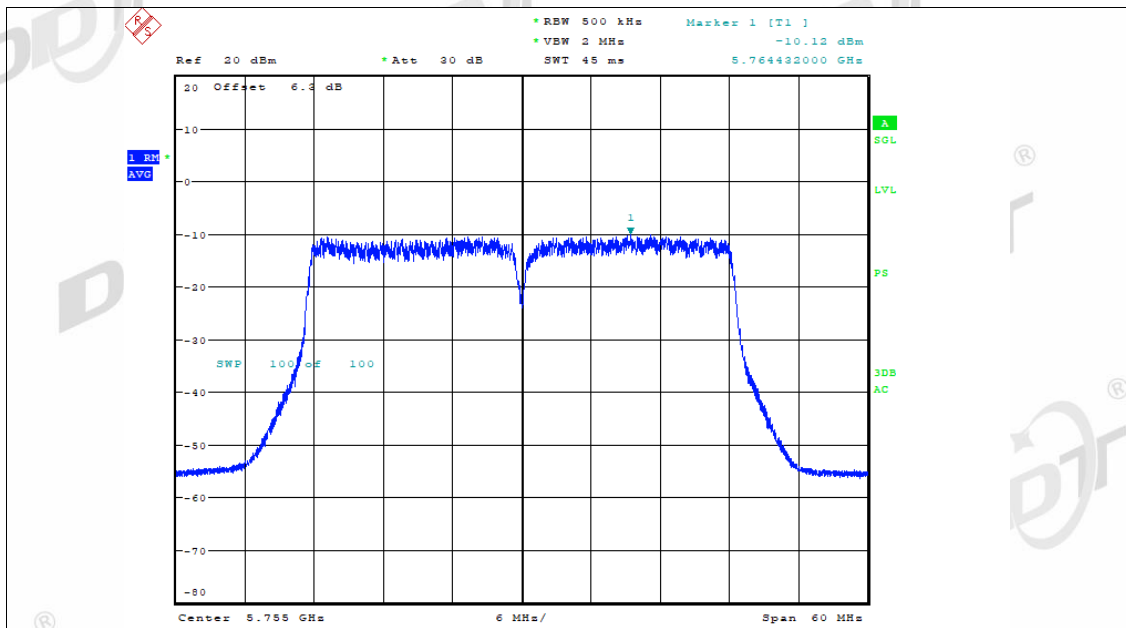
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PSD NVNT n40 5670MHz Ant2



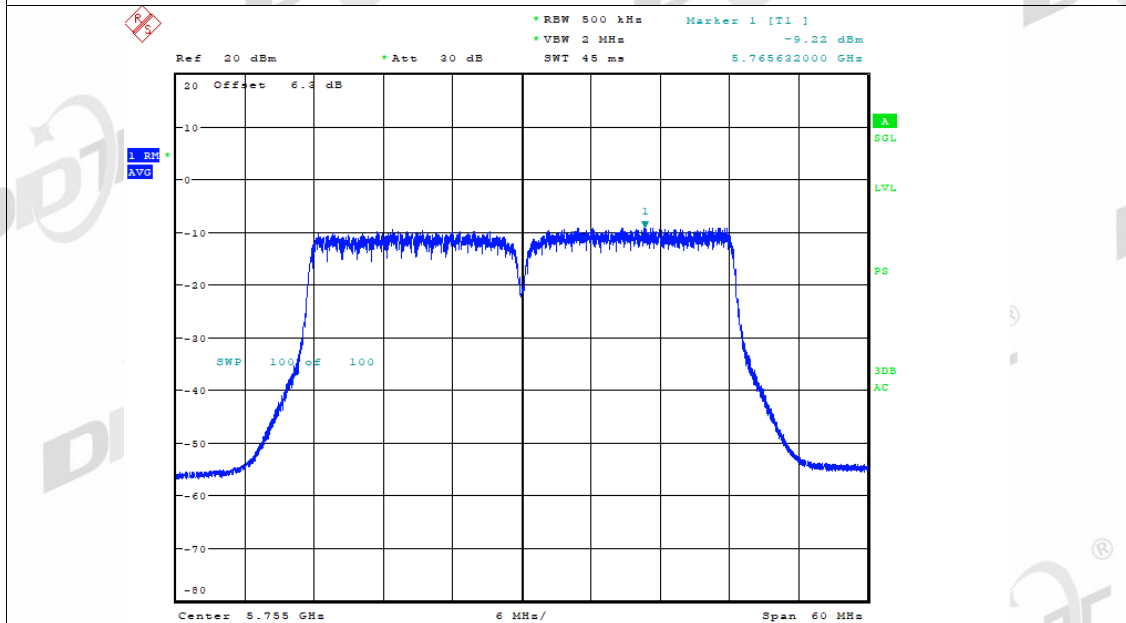
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PSD NVNT n40 5755MHz Ant1



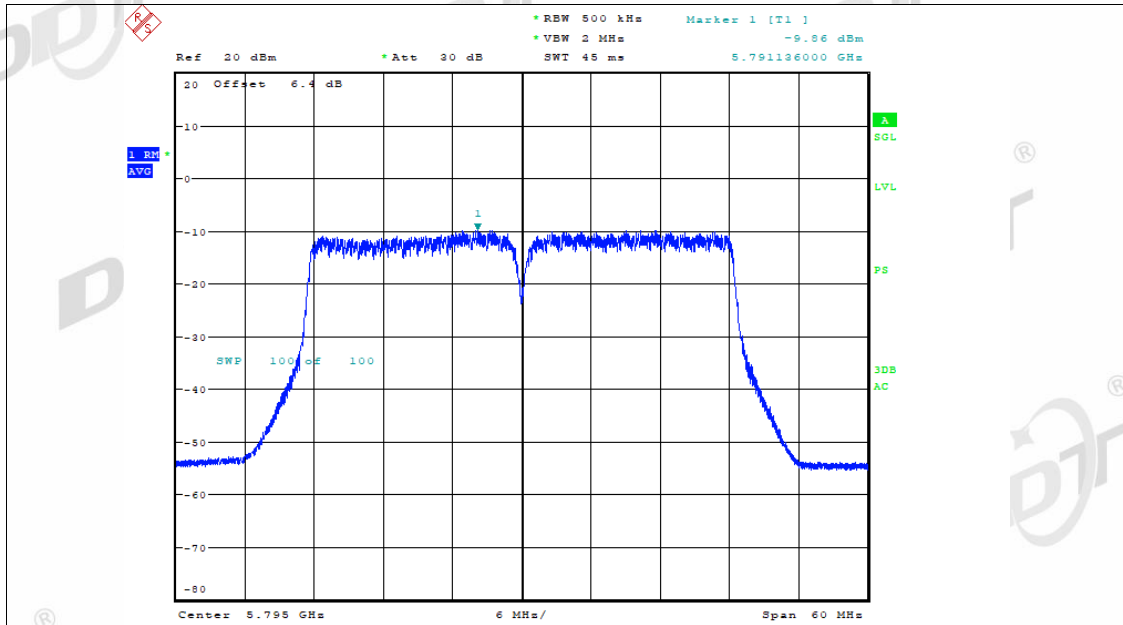
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PSD NVNT n40 5755MHz Ant2



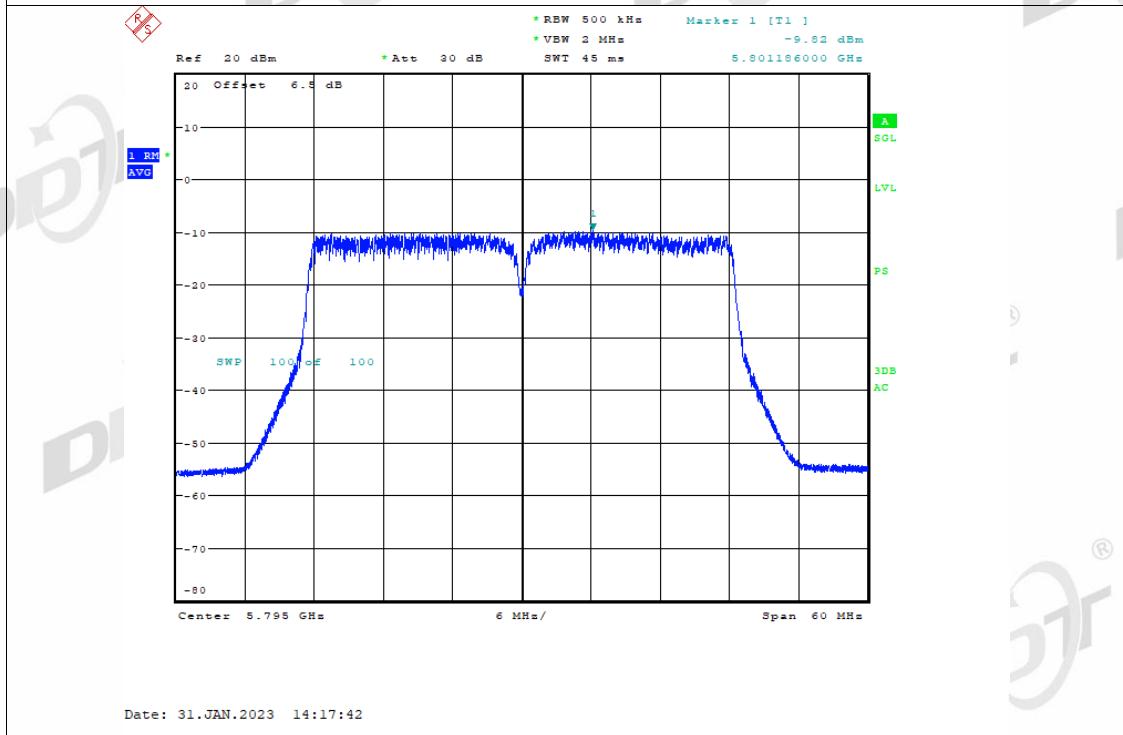
Date: 31.JAN.2023 14:05:07

PSD NVNT n40 5795MHz Ant1



Date: 31.JAN.2023 14:17:23

PSD NVNT n40 5795MHz Ant2



Date: 31.JAN.2023 14:17:42

7. Frequency Stability Measurement

7.1. 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.

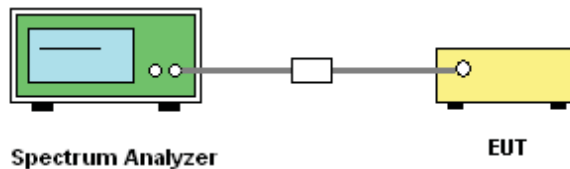
7.2. Measuring Instruments

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

7.3. 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.

7.4. Test setup



7.5. Test result

Normal Temperature

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NTLV	a	5180	Ant1	5180	0	0	25	Pass
NTNV	a	5180	Ant1	5180	0	0	25	Pass
NTHV	a	5180	Ant1	5180	0	0	25	Pass
NTLV	a	5200	Ant1	5200.02	20000	3.85	25	Pass
NTNV	a	5200	Ant1	5200	0	0	25	Pass
NTHV	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NTLV	a	5240	Ant1	5240	0	0	25	Pass
NTNV	a	5240	Ant1	5240	0	0	25	Pass
NTHV	a	5240	Ant1	5240	0	0	25	Pass
NTLV	a	5260	Ant1	5260	0	0	25	Pass
NTNV	a	5260	Ant1	5259.98	-20000	-3.8	25	Pass
NTHV	a	5260	Ant1	5260	0	0	25	Pass
NTLV	a	5280	Ant1	5280.02	20000	3.79	25	Pass
NTNV	a	5280	Ant1	5280	0	0	25	Pass
NTHV	a	5280	Ant1	5280	0	0	25	Pass
NTLV	a	5320	Ant1	5320	0	0	25	Pass
NTNV	a	5320	Ant1	5320.02	20000	3.76	25	Pass
NTHV	a	5320	Ant1	5320	0	0	25	Pass
NTLV	a	5500	Ant1	5500	0	0	25	Pass
NTNV	a	5500	Ant1	5500	0	0	25	Pass
NTHV	a	5500	Ant1	5500	0	0	25	Pass
NTLV	a	5700	Ant1	5700	0	0	25	Pass
NTNV	a	5700	Ant1	5700	0	0	25	Pass
NTHV	a	5700	Ant1	5700	0	0	25	Pass
NTLV	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NTNV	a	5180	Ant2	5180.02	20000	3.86	25	Pass
NTHV	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NTLV	a	5200	Ant2	5200	0	0	25	Pass
NTNV	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
NTHV	a	5200	Ant2	5200	0	0	25	Pass
NTLV	a	5240	Ant2	5240	0	0	25	Pass
NTNV	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NTHV	a	5240	Ant2	5240	0	0	25	Pass
NTLV	a	5260	Ant2	5260	0	0	25	Pass
NTNV	a	5260	Ant2	5260	0	0	25	Pass
NTHV	a	5260	Ant2	5260	0	0	25	Pass
NTLV	a	5280	Ant2	5280	0	0	25	Pass

NTNV	a	5280	Ant2	5280	0	0	25	Pass
NTHV	a	5280	Ant2	5280	0	0	25	Pass
NTLV	a	5320	Ant2	5320.02	20000	3.76	25	Pass
NTNV	a	5320	Ant2	5320	0	0	25	Pass
NTHV	a	5320	Ant2	5320	0	0	25	Pass
NTLV	a	5500	Ant2	5500	0	0	25	Pass
NTNV	a	5500	Ant2	5500	0	0	25	Pass
NTHV	a	5500	Ant2	5500	0	0	25	Pass
NTLV	a	5700	Ant2	5700	0	0	25	Pass
NTNV	a	5700	Ant2	5699.98	-20000	-3.51	25	Pass
NTHV	a	5700	Ant2	5699.98	-20000	-3.51	25	Pass
NTLV	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NTNV	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NTHV	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NTLV	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NTNV	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NTHV	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NTLV	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NTNV	ac20	5200	Ant1	5200	0	0	25	Pass
NTHV	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NTLV	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NTNV	ac20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
NTHV	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NTLV	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NTNV	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NTHV	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NTLV	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NTNV	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NTHV	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NTLV	ac20	5260	Ant1	5260	0	0	25	Pass
NTNV	ac20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
NTHV	ac20	5260	Ant1	5260	0	0	25	Pass
NTLV	ac20	5260	Ant2	5259.98	-20000	-3.8	25	Pass
NTNV	ac20	5260	Ant2	5259.98	-20000	-3.8	25	Pass
NTHV	ac20	5260	Ant2	5260	0	0	25	Pass
NTLV	ac20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
NTNV	ac20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
NTHV	ac20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
NTLV	ac20	5280	Ant2	5279.98	-20000	-3.79	25	Pass
NTNV	ac20	5280	Ant2	5280	0	0	25	Pass
NTHV	ac20	5280	Ant2	5279.98	-20000	-3.79	25	Pass
NTLV	ac20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
NTNV	ac20	5320	Ant1	5319.98	-20000	-3.76	25	Pass

NTHV	ac20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
NTLV	ac20	5320	Ant2	5320	0	0	25	Pass
NTNV	ac20	5320	Ant2	5319.98	-20000	-3.76	25	Pass
NTHV	ac20	5320	Ant2	5319.98	-20000	-3.76	25	Pass
NTLV	ac20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
NTNV	ac20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
NTHV	ac20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
NTLV	ac20	5500	Ant2	5500	0	0	25	Pass
NTNV	ac20	5500	Ant2	5499.98	-20000	-3.64	25	Pass
NTHV	ac20	5500	Ant2	5499.98	-20000	-3.64	25	Pass
NTLV	ac20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
NTNV	ac20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
NTHV	ac20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
NTLV	ac20	5700	Ant2	5699.98	-20000	-3.51	25	Pass
NTNV	ac20	5700	Ant2	5699.98	-20000	-3.51	25	Pass
NTHV	ac20	5700	Ant2	5700	0	0	25	Pass
NTLV	ac40	5190	Ant1	5190	0	0	25	Pass
NTNV	ac40	5190	Ant1	5190	0	0	25	Pass
NTHV	ac40	5190	Ant1	5190	0	0	25	Pass
NTLV	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
NTNV	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
NTHV	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
NTLV	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
NTNV	ac40	5230	Ant1	5230	0	0	25	Pass
NTHV	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
NTLV	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
NTNV	ac40	5230	Ant2	5230	0	0	25	Pass
NTHV	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
NTLV	ac40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
NTNV	ac40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
NTHV	ac40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
NTLV	ac40	5270	Ant2	5270	0	0	25	Pass
NTNV	ac40	5270	Ant2	5269.96	-40000	-7.59	25	Pass
NTHV	ac40	5270	Ant2	5269.96	-40000	-7.59	25	Pass
NTLV	ac40	5310	Ant1	5310	0	0	25	Pass
NTNV	ac40	5310	Ant1	5310	0	0	25	Pass
NTHV	ac40	5310	Ant1	5310.04	40000	7.53	25	Pass
NTLV	ac40	5310	Ant2	5309.96	-40000	-7.53	25	Pass
NTNV	ac40	5310	Ant2	5310	0	0	25	Pass
NTHV	ac40	5310	Ant2	5309.96	-40000	-7.53	25	Pass
NTLV	ac40	5510	Ant1	5510	0	0	25	Pass
NTNV	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
NTHV	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass

NTLV	ac40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
NTNV	ac40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
NTHV	ac40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
NTLV	ac40	5550	Ant1	5550	0	0	25	Pass
NTNV	ac40	5550	Ant1	5549.96	-40000	-7.21	25	Pass
NTHV	ac40	5550	Ant1	5550	0	0	25	Pass
NTLV	ac40	5550	Ant2	5549.96	-40000	-7.21	25	Pass
NTNV	ac40	5550	Ant2	5550	0	0	25	Pass
NTHV	ac40	5550	Ant2	5549.96	-40000	-7.21	25	Pass
NTLV	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
NTNV	ac40	5670	Ant1	5670.04	40000	7.05	25	Pass
NTHV	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
NTLV	ac40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
NTNV	ac40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
NTHV	ac40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
NTLV	ac80	5210	Ant1	5210	0	0	25	Pass
NTNV	ac80	5210	Ant1	5210	0	0	25	Pass
NTHV	ac80	5210	Ant1	5210	0	0	25	Pass
NTLV	ac80	5210	Ant2	5210	0	0	25	Pass
NTNV	ac80	5210	Ant2	5210	0	0	25	Pass
NTHV	ac80	5210	Ant2	5210	0	0	25	Pass
NTLV	ac80	5290	Ant1	5290	0	0	25	Pass
NTNV	ac80	5290	Ant1	5290	0	0	25	Pass
NTHV	ac80	5290	Ant1	5290	0	0	25	Pass
NTLV	ac80	5290	Ant2	5290	0	0	25	Pass
NTNV	ac80	5290	Ant2	5290	0	0	25	Pass
NTHV	ac80	5290	Ant2	5290	0	0	25	Pass
NTLV	ac80	5530	Ant1	5530	0	0	25	Pass
NTNV	ac80	5530	Ant1	5530	0	0	25	Pass
NTHV	ac80	5530	Ant1	5530	0	0	25	Pass
NTLV	ac80	5530	Ant2	5530	0	0	25	Pass
NTNV	ac80	5530	Ant2	5530	0	0	25	Pass
NTHV	ac80	5530	Ant2	5529.92	-80000	-14.47	25	Pass
NTLV	ac80	5610	Ant1	5610	0	0	25	Pass
NTNV	ac80	5610	Ant1	5610	0	0	25	Pass
NTHV	ac80	5610	Ant1	5610	0	0	25	Pass
NTLV	ac80	5610	Ant2	5610	0	0	25	Pass
NTNV	ac80	5610	Ant2	5610	0	0	25	Pass
NTHV	ac80	5610	Ant2	5610.08	80000	14.26	25	Pass
NTLV	n20	5180	Ant1	5180	0	0	25	Pass
NTNV	n20	5180	Ant1	5180	0	0	25	Pass
NTHV	n20	5180	Ant1	5180	0	0	25	Pass
NTLV	n20	5180	Ant2	5180	0	0	25	Pass

NTNV	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NTHV	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NTLV	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NTNV	n20	5200	Ant1	5200	0	0	25	Pass
NTHV	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
NTLV	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NTNV	n20	5200	Ant2	5200	0	0	25	Pass
NTHV	n20	5200	Ant2	5200	0	0	25	Pass
NTLV	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
NTNV	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NTHV	n20	5240	Ant1	5240	0	0	25	Pass
NTLV	n20	5240	Ant2	5240	0	0	25	Pass
NTNV	n20	5240	Ant2	5240	0	0	25	Pass
NTHV	n20	5240	Ant2	5240	0	0	25	Pass
NTLV	n20	5260	Ant1	5260.02	20000	3.8	25	Pass
NTNV	n20	5260	Ant1	5260.02	20000	3.8	25	Pass
NTHV	n20	5260	Ant1	5260	0	0	25	Pass
NTLV	n20	5260	Ant2	5260.02	20000	3.8	25	Pass
NTNV	n20	5260	Ant2	5260	0	0	25	Pass
NTHV	n20	5260	Ant2	5260	0	0	25	Pass
NTLV	n20	5280	Ant1	5280	0	0	25	Pass
NTNV	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
NTHV	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
NTLV	n20	5280	Ant2	5280	0	0	25	Pass
NTNV	n20	5280	Ant2	5280	0	0	25	Pass
NTHV	n20	5280	Ant2	5280.02	20000	3.79	25	Pass
NTLV	n20	5320	Ant1	5320	0	0	25	Pass
NTNV	n20	5320	Ant1	5320	0	0	25	Pass
NTHV	n20	5320	Ant1	5320	0	0	25	Pass
NTLV	n20	5320	Ant2	5319.98	-20000	-3.76	25	Pass
NTNV	n20	5320	Ant2	5320	0	0	25	Pass
NTHV	n20	5320	Ant2	5320	0	0	25	Pass
NTLV	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
NTNV	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
NTHV	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
NTLV	n20	5500	Ant2	5499.98	-20000	-3.64	25	Pass
NTNV	n20	5500	Ant2	5499.98	-20000	-3.64	25	Pass
NTHV	n20	5500	Ant2	5500	0	0	25	Pass
NTLV	n20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
NTNV	n20	5700	Ant1	5700	0	0	25	Pass
NTHV	n20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
NTLV	n20	5700	Ant2	5700	0	0	25	Pass
NTNV	n20	5700	Ant2	5699.96	-40000	-7.02	25	Pass

NTHV	n20	5700	Ant2	5699.98	-20000	-3.51	25	Pass
NTLV	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NTNV	n40	5190	Ant1	5190	0	0	25	Pass
NTHV	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NTLV	n40	5190	Ant2	5190	0	0	25	Pass
NTNV	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
NTHV	n40	5190	Ant2	5190	0	0	25	Pass
NTLV	n40	5230	Ant1	5230	0	0	25	Pass
NTNV	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
NTHV	n40	5230	Ant1	5230	0	0	25	Pass
NTLV	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
NTNV	n40	5230	Ant2	5230	0	0	25	Pass
NTHV	n40	5230	Ant2	5230	0	0	25	Pass
NTLV	n40	5270	Ant1	5270.04	40000	7.59	25	Pass
NTNV	n40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
NTHV	n40	5270	Ant1	5270	0	0	25	Pass
NTLV	n40	5270	Ant2	5269.96	-40000	-7.59	25	Pass
NTNV	n40	5270	Ant2	5269.96	-40000	-7.59	25	Pass
NTHV	n40	5270	Ant2	5270	0	0	25	Pass
NTLV	n40	5310	Ant1	5310	0	0	25	Pass
NTNV	n40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
NTHV	n40	5310	Ant1	5310	0	0	25	Pass
NTLV	n40	5310	Ant2	5309.96	-40000	-7.53	25	Pass
NTNV	n40	5310	Ant2	5309.96	-40000	-7.53	25	Pass
NTHV	n40	5310	Ant2	5309.96	-40000	-7.53	25	Pass
NTLV	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
NTNV	n40	5510	Ant1	5510	0	0	25	Pass
NTHV	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
NTLV	n40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
NTNV	n40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
NTHV	n40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
NTLV	n40	5550	Ant1	5550	0	0	25	Pass
NTNV	n40	5550	Ant1	5549.96	-40000	-7.21	25	Pass
NTHV	n40	5550	Ant1	5550	0	0	25	Pass
NTLV	n40	5550	Ant2	5549.96	-40000	-7.21	25	Pass
NTNV	n40	5550	Ant2	5549.96	-40000	-7.21	25	Pass
NTHV	n40	5550	Ant2	5550.04	40000	7.21	25	Pass
NTLV	n40	5670	Ant1	5670.04	40000	7.05	25	Pass
NTNV	n40	5670	Ant1	5670	0	0	25	Pass
NTHV	n40	5670	Ant1	5670	0	0	25	Pass
NTLV	n40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
NTNV	n40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
NTHV	n40	5670	Ant2	5670	0	0	25	Pass

Normal Voltage

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
-10℃	a	5180	Ant1	5180	0	0	25	Pass
0℃	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10℃	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20℃	a	5180	Ant1	5180	0	0	25	Pass
30℃	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40℃	a	5180	Ant1	5180	0	0	25	Pass
50℃	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10℃	a	5200	Ant1	5200	0	0	25	Pass
0℃	a	5200	Ant1	5200	0	0	25	Pass
10℃	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20℃	a	5200	Ant1	5200	0	0	25	Pass
30℃	a	5200	Ant1	5200	0	0	25	Pass
40℃	a	5200	Ant1	5200	0	0	25	Pass
50℃	a	5200	Ant1	5200	0	0	25	Pass
-10℃	a	5240	Ant1	5240	0	0	25	Pass
0℃	a	5240	Ant1	5240	0	0	25	Pass
10℃	a	5240	Ant1	5240.02	20000	3.82	25	Pass
20℃	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30℃	a	5240	Ant1	5240	0	0	25	Pass
40℃	a	5240	Ant1	5240	0	0	25	Pass
50℃	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10℃	a	5260	Ant1	5259.98	-20000	-3.8	25	Pass
0℃	a	5260	Ant1	5260	0	0	25	Pass
10℃	a	5260	Ant1	5260	0	0	25	Pass
20℃	a	5260	Ant1	5260.02	20000	3.8	25	Pass
30℃	a	5260	Ant1	5260	0	0	25	Pass
40℃	a	5260	Ant1	5260	0	0	25	Pass
50℃	a	5260	Ant1	5259.98	-20000	-3.8	25	Pass
-10℃	a	5280	Ant1	5280.02	20000	3.79	25	Pass
0℃	a	5280	Ant1	5280	0	0	25	Pass
10℃	a	5280	Ant1	5280.02	20000	3.79	25	Pass
20℃	a	5280	Ant1	5280	0	0	25	Pass
30℃	a	5280	Ant1	5280	0	0	25	Pass
40℃	a	5280	Ant1	5280	0	0	25	Pass
50℃	a	5280	Ant1	5280	0	0	25	Pass
-10℃	a	5320	Ant1	5320	0	0	25	Pass
0℃	a	5320	Ant1	5320.02	20000	3.76	25	Pass
10℃	a	5320	Ant1	5320	0	0	25	Pass
20℃	a	5320	Ant1	5320	0	0	25	Pass
30℃	a	5320	Ant1	5320	0	0	25	Pass

40℃	a	5320	Ant1	5320	0	0	25	Pass
50℃	a	5320	Ant1	5320	0	0	25	Pass
-10℃	a	5500	Ant1	5499.98	-20000	-3.64	25	Pass
0℃	a	5500	Ant1	5500	0	0	25	Pass
10℃	a	5500	Ant1	5500	0	0	25	Pass
20℃	a	5500	Ant1	5499.98	-20000	-3.64	25	Pass
30℃	a	5500	Ant1	5500	0	0	25	Pass
40℃	a	5500	Ant1	5500	0	0	25	Pass
50℃	a	5500	Ant1	5500	0	0	25	Pass
20℃	a	5580	Ant1	5580	0	0	25	Pass
-10℃	a	5580	Ant1	5580	0	0	25	Pass
0℃	a	5580	Ant1	5580	0	0	25	Pass
10℃	a	5580	Ant1	5580	0	0	25	Pass
30℃	a	5580	Ant1	5579.98	-20000	-3.58	25	Pass
40℃	a	5580	Ant1	5580	0	0	25	Pass
50℃	a	5580	Ant1	5580	0	0	25	Pass
-10℃	a	5700	Ant1	5700	0	0	25	Pass
0℃	a	5700	Ant1	5700	0	0	25	Pass
10℃	a	5700	Ant1	5700	0	0	25	Pass
20℃	a	5700	Ant1	5700	0	0	25	Pass
30℃	a	5700	Ant1	5700	0	0	25	Pass
40℃	a	5700	Ant1	5700	0	0	25	Pass
50℃	a	5700	Ant1	5700	0	0	25	Pass
20℃	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-10℃	a	5745	Ant1	5745	0	0	25	Pass
0℃	a	5745	Ant1	5745	0	0	25	Pass
10℃	a	5745	Ant1	5745	0	0	25	Pass
30℃	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
40℃	a	5745	Ant1	5745	0	0	25	Pass
50℃	a	5745	Ant1	5745	0	0	25	Pass
20℃	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
-10℃	a	5785	Ant1	5785	0	0	25	Pass
0℃	a	5785	Ant1	5785	0	0	25	Pass
10℃	a	5785	Ant1	5785	0	0	25	Pass
30℃	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
40℃	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
50℃	a	5785	Ant1	5785	0	0	25	Pass
20℃	a	5825	Ant1	5825	0	0	25	Pass
-10℃	a	5825	Ant1	5825	0	0	25	Pass
0℃	a	5825	Ant1	5825	0	0	25	Pass
10℃	a	5825	Ant1	5825	0	0	25	Pass
30℃	a	5825	Ant1	5825	0	0	25	Pass
40℃	a	5825	Ant1	5825.02	20000	3.43	25	Pass
50℃	a	5825	Ant1	5825.02	20000	3.43	25	Pass
-10℃	a	5180	Ant2	5180	0	0	25	Pass

0℃	a	5180	Ant2	5180	0	0	25	Pass
10℃	a	5180	Ant2	5180	0	0	25	Pass
20℃	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
30℃	a	5180	Ant2	5180	0	0	25	Pass
40℃	a	5180	Ant2	5180	0	0	25	Pass
50℃	a	5180	Ant2	5180	0	0	25	Pass
-10℃	a	5200	Ant2	5200	0	0	25	Pass
0℃	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
10℃	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20℃	a	5200	Ant2	5200	0	0	25	Pass
30℃	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
40℃	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
50℃	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
-10℃	a	5240	Ant2	5240	0	0	25	Pass
0℃	a	5240	Ant2	5240	0	0	25	Pass
10℃	a	5240	Ant2	5240	0	0	25	Pass
20℃	a	5240	Ant2	5240	0	0	25	Pass
30℃	a	5240	Ant2	5240	0	0	25	Pass
40℃	a	5240	Ant2	5240	0	0	25	Pass
50℃	a	5240	Ant2	5240	0	0	25	Pass
-10℃	a	5260	Ant2	5260.02	20000	3.8	25	Pass
0℃	a	5260	Ant2	5260	0	0	25	Pass
10℃	a	5260	Ant2	5260	0	0	25	Pass
20℃	a	5260	Ant2	5259.98	-20000	-3.8	25	Pass
30℃	a	5260	Ant2	5260	0	0	25	Pass
40℃	a	5260	Ant2	5260	0	0	25	Pass
50℃	a	5260	Ant2	5260	0	0	25	Pass
-10℃	a	5280	Ant2	5280	0	0	25	Pass
0℃	a	5280	Ant2	5280	0	0	25	Pass
10℃	a	5280	Ant2	5280	0	0	25	Pass
20℃	a	5280	Ant2	5280	0	0	25	Pass
30℃	a	5280	Ant2	5280	0	0	25	Pass
40℃	a	5280	Ant2	5280	0	0	25	Pass
50℃	a	5280	Ant2	5280	0	0	25	Pass
-10℃	a	5320	Ant2	5320	0	0	25	Pass
0℃	a	5320	Ant2	5320.02	20000	3.76	25	Pass
10℃	a	5320	Ant2	5320	0	0	25	Pass
20℃	a	5320	Ant2	5320	0	0	25	Pass
30℃	a	5320	Ant2	5320.02	20000	3.76	25	Pass
40℃	a	5320	Ant2	5320	0	0	25	Pass
50℃	a	5320	Ant2	5320	0	0	25	Pass
-10℃	a	5500	Ant2	5500	0	0	25	Pass
0℃	a	5500	Ant2	5500	0	0	25	Pass
10℃	a	5500	Ant2	5500	0	0	25	Pass
20℃	a	5500	Ant2	5500	0	0	25	Pass

30℃	a	5500	Ant2	5500	0	0	25	Pass
40℃	a	5500	Ant2	5499.98	-20000	-3.64	25	Pass
50℃	a	5500	Ant2	5500	0	0	25	Pass
20℃	a	5580	Ant2	5580	0	0	25	Pass
-10℃	a	5580	Ant2	5580	0	0	25	Pass
0℃	a	5580	Ant2	5580	0	0	25	Pass
10℃	a	5580	Ant2	5579.98	-20000	-3.58	25	Pass
30℃	a	5580	Ant2	5580	0	0	25	Pass
40℃	a	5580	Ant2	5579.98	-20000	-3.58	25	Pass
50℃	a	5580	Ant2	5580	0	0	25	Pass
-10℃	a	5700	Ant2	5700	0	0	25	Pass
0℃	a	5700	Ant2	5700	0	0	25	Pass
10℃	a	5700	Ant2	5700	0	0	25	Pass
20℃	a	5700	Ant2	5700	0	0	25	Pass
30℃	a	5700	Ant2	5700	0	0	25	Pass
40℃	a	5700	Ant2	5699.98	-20000	-3.51	25	Pass
50℃	a	5700	Ant2	5700	0	0	25	Pass
20℃	a	5745	Ant2	5745	0	0	25	Pass
-10℃	a	5745	Ant2	5745	0	0	25	Pass
0℃	a	5745	Ant2	5745	0	0	25	Pass
10℃	a	5745	Ant2	5744.98	-20000	-3.48	25	Pass
30℃	a	5745	Ant2	5745	0	0	25	Pass
40℃	a	5745	Ant2	5745	0	0	25	Pass
50℃	a	5745	Ant2	5745	0	0	25	Pass
20℃	a	5785	Ant2	5785	0	0	25	Pass
-10℃	a	5785	Ant2	5785	0	0	25	Pass
0℃	a	5785	Ant2	5785	0	0	25	Pass
10℃	a	5785	Ant2	5785	0	0	25	Pass
30℃	a	5785	Ant2	5785	0	0	25	Pass
40℃	a	5785	Ant2	5785	0	0	25	Pass
50℃	a	5785	Ant2	5785	0	0	25	Pass
20℃	a	5825	Ant2	5825	0	0	25	Pass
-10℃	a	5825	Ant2	5825	0	0	25	Pass
0℃	a	5825	Ant2	5825	0	0	25	Pass
10℃	a	5825	Ant2	5825.02	20000	3.43	25	Pass
30℃	a	5825	Ant2	5825	0	0	25	Pass
40℃	a	5825	Ant2	5825	0	0	25	Pass
50℃	a	5825	Ant2	5825.02	20000	3.43	25	Pass
-10℃	ac20	5180	Ant1	5180	0	0	25	Pass
0℃	ac20	5180	Ant1	5180	0	0	25	Pass
10℃	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20℃	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30℃	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40℃	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
50℃	ac20	5180	Ant1	5180	0	0	25	Pass

-10℃	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
0℃	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
10℃	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20℃	ac20	5180	Ant2	5180	0	0	25	Pass
30℃	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
40℃	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
50℃	ac20	5180	Ant2	5180	0	0	25	Pass
-10℃	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
0℃	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
10℃	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20℃	ac20	5200	Ant1	5200	0	0	25	Pass
30℃	ac20	5200	Ant1	5200	0	0	25	Pass
40℃	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
50℃	ac20	5200	Ant1	5200	0	0	25	Pass
-10℃	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
0℃	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
10℃	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20℃	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
30℃	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
40℃	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
50℃	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
-10℃	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
0℃	ac20	5240	Ant1	5240	0	0	25	Pass
10℃	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20℃	ac20	5240	Ant1	5240	0	0	25	Pass
30℃	ac20	5240	Ant1	5240	0	0	25	Pass
40℃	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50℃	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10℃	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
0℃	ac20	5240	Ant2	5240	0	0	25	Pass
10℃	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20℃	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
30℃	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
40℃	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
50℃	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-10℃	ac20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
0℃	ac20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
10℃	ac20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
20℃	ac20	5260	Ant1	5260	0	0	25	Pass
30℃	ac20	5260	Ant1	5260	0	0	25	Pass
40℃	ac20	5260	Ant1	5260	0	0	25	Pass
50℃	ac20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
-10℃	ac20	5260	Ant2	5260	0	0	25	Pass
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10℃	ac20	5260	Ant2	5260	0	0	25	Pass

20℃	ac20	5260	Ant2	5259.98	-20000	-3.8	25	Pass
30℃	ac20	5260	Ant2	5260	0	0	25	Pass
40℃	ac20	5260	Ant2	5259.98	-20000	-3.8	25	Pass
50℃	ac20	5260	Ant2	5259.98	-20000	-3.8	25	Pass
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10℃	ac20	5280	Ant1	5280	0	0	25	Pass
20℃	ac20	5280	Ant1	5280	0	0	25	Pass
30℃	ac20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
40℃	ac20	5280	Ant1	5280	0	0	25	Pass
50℃	ac20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
-10℃	ac20	5280	Ant2	5279.98	-20000	-3.79	25	Pass
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10℃	ac20	5280	Ant2	5280	0	0	25	Pass
20℃	ac20	5280	Ant2	5279.98	-20000	-3.79	25	Pass
30℃	ac20	5280	Ant2	5279.98	-20000	-3.79	25	Pass
40℃	ac20	5280	Ant2	5280	0	0	25	Pass
50℃	ac20	5280	Ant2	5280	0	0	25	Pass
-10℃	ac20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
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10℃	ac20	5320	Ant1	5320	0	0	25	Pass
20℃	ac20	5320	Ant1	5320	0	0	25	Pass
30℃	ac20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
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20℃	ac20	5320	Ant2	5319.98	-20000	-3.76	25	Pass
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50℃	ac20	5320	Ant2	5319.98	-20000	-3.76	25	Pass
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50℃	ac20	5500	Ant2	5499.98	-20000	-3.64	25	Pass
20℃	ac20	5580	Ant1	5579.98	-20000	-3.58	25	Pass
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10℃	ac20	5580	Ant1	5579.98	-20000	-3.58	25	Pass
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50℃	ac20	5580	Ant1	5579.98	-20000	-3.58	25	Pass
20℃	ac20	5580	Ant2	5579.98	-20000	-3.58	25	Pass
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10℃	ac20	5580	Ant2	5580	0	0	25	Pass
30℃	ac20	5580	Ant2	5580	0	0	25	Pass
40℃	ac20	5580	Ant2	5579.98	-20000	-3.58	25	Pass
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20℃	ac20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
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50℃	ac20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
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10℃	ac20	5700	Ant2	5699.98	-20000	-3.51	25	Pass
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30℃	ac20	5700	Ant2	5699.98	-20000	-3.51	25	Pass
40℃	ac20	5700	Ant2	5699.98	-20000	-3.51	25	Pass
50℃	ac20	5700	Ant2	5699.98	-20000	-3.51	25	Pass
20℃	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
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10℃	ac20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
30℃	ac20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
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10℃	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
30℃	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
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30℃	ac20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
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20℃	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
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20℃	ac40	5190	Ant1	5190	0	0	25	Pass
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30℃	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass

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30℃	ac40	5270	Ant2	5269.96	-40000	-7.59	25	Pass
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40℃	ac40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
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10℃	ac40	5550	Ant1	5549.96	-40000	-7.21	25	Pass
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30℃	ac40	5550	Ant1	5549.96	-40000	-7.21	25	Pass
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10℃	ac40	5755	Ant2	5754.96	-40000	-6.95	25	Pass

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20℃	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
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30℃	ac40	5795	Ant2	5795	0	0	25	Pass
40℃	ac40	5795	Ant2	5795	0	0	25	Pass
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50℃	ac80	5210	Ant1	5210	0	0	25	Pass
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30℃	ac80	5290	Ant2	5290	0	0	25	Pass
40℃	ac80	5290	Ant2	5290	0	0	25	Pass
50℃	ac80	5290	Ant2	5290	0	0	25	Pass

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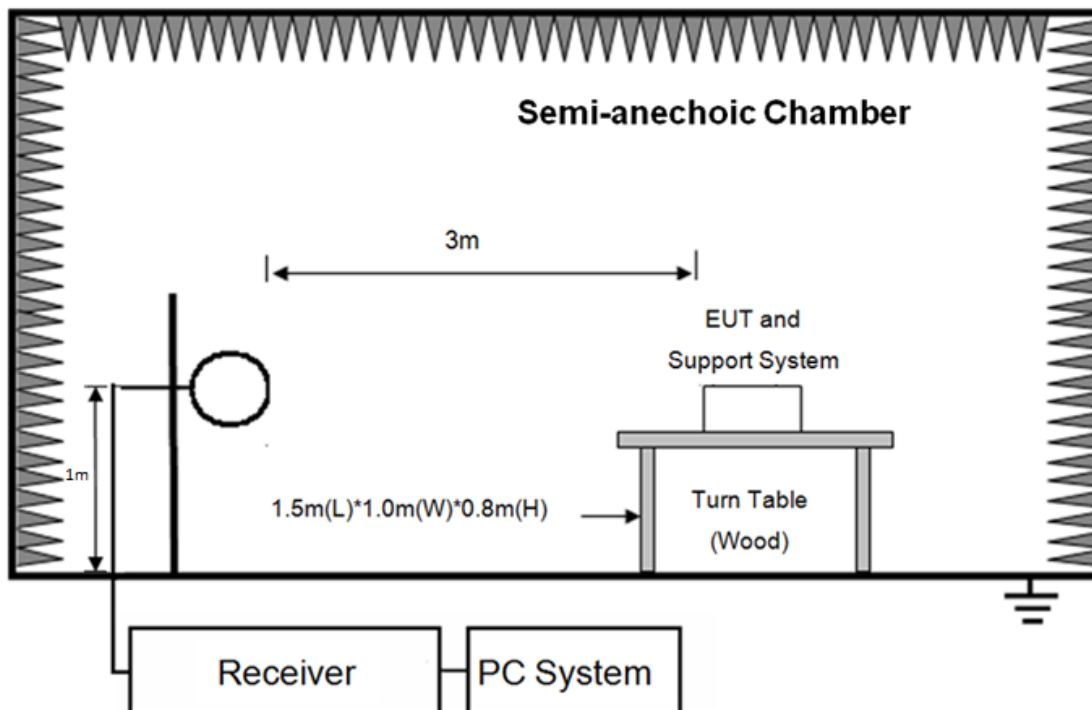
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40℃	n40	5550	Ant1	5549.96	-40000	-7.21	25	Pass
50℃	n40	5550	Ant1	5550	0	0	25	Pass
-10℃	n40	5550	Ant2	5549.96	-40000	-7.21	25	Pass
0℃	n40	5550	Ant2	5549.96	-40000	-7.21	25	Pass
10℃	n40	5550	Ant2	5549.96	-40000	-7.21	25	Pass
20℃	n40	5550	Ant2	5549.96	-40000	-7.21	25	Pass
30℃	n40	5550	Ant2	5549.96	-40000	-7.21	25	Pass
40℃	n40	5550	Ant2	5550	0	0	25	Pass
50℃	n40	5550	Ant2	5549.96	-40000	-7.21	25	Pass
-10℃	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
0℃	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
10℃	n40	5670	Ant1	5670	0	0	25	Pass
20℃	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
30℃	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
40℃	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
50℃	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
-10℃	n40	5670	Ant2	5670	0	0	25	Pass
0℃	n40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
10℃	n40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
20℃	n40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
30℃	n40	5670	Ant2	5670	0	0	25	Pass
40℃	n40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
50℃	n40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
20℃	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
-10℃	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
0℃	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
10℃	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
30℃	n40	5755	Ant1	5755	0	0	25	Pass
40℃	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
50℃	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass

20℃	n40	5755	Ant2	5755	0	0	25	Pass
-10℃	n40	5755	Ant2	5754.96	-40000	-6.95	25	Pass
0℃	n40	5755	Ant2	5754.96	-40000	-6.95	25	Pass
10℃	n40	5755	Ant2	5755	0	0	25	Pass
30℃	n40	5755	Ant2	5755	0	0	25	Pass
40℃	n40	5755	Ant2	5754.96	-40000	-6.95	25	Pass
50℃	n40	5755	Ant2	5754.96	-40000	-6.95	25	Pass
20℃	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
-10℃	n40	5795	Ant1	5795	0	0	25	Pass
0℃	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
10℃	n40	5795	Ant1	5795	0	0	25	Pass
30℃	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
40℃	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
50℃	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20℃	n40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
-10℃	n40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
0℃	n40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
10℃	n40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
30℃	n40	5795	Ant2	5795	0	0	25	Pass
40℃	n40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
50℃	n40	5795	Ant2	5794.96	-40000	-6.9	25	Pass

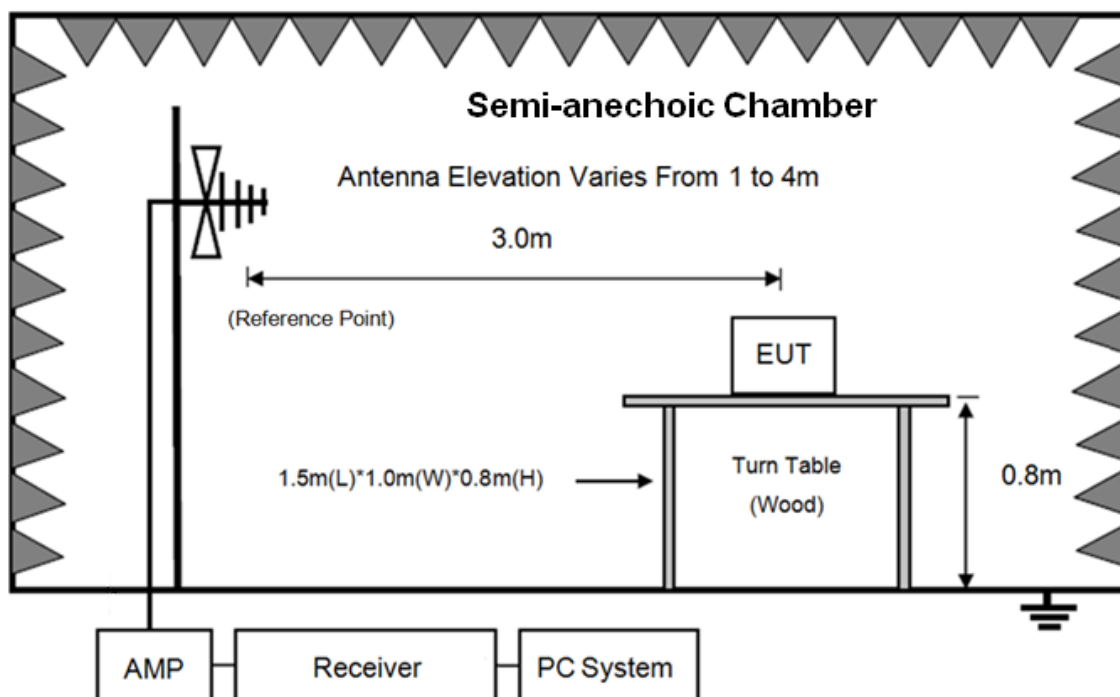
8. Emissions in restricted frequency bands

8.1. Block diagram of test setup

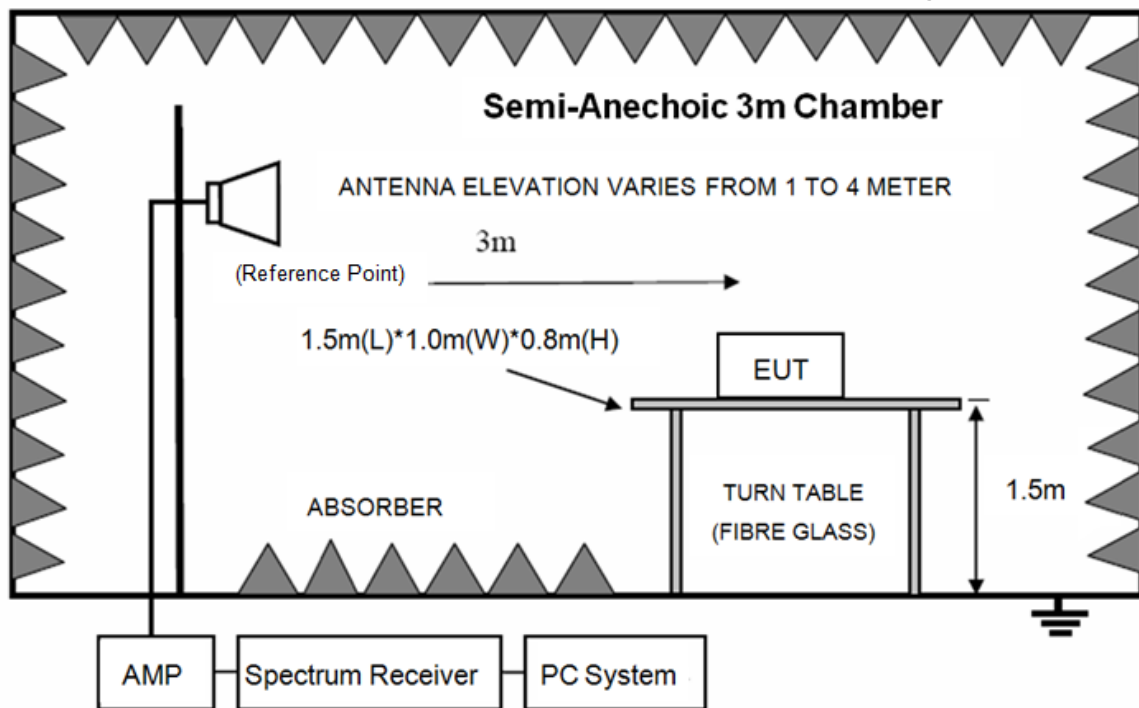
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

8.2. Limit

(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
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	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) RSS-GEN Restricted frequency band*

MHz	MHz	MHz	GHz
0.090-0.110	12.57675-12.57725	399.9-410	7.25-7.75
0.495-0.505	13.36-13.41	608-614	8.025-8.5
2.1735-2.1905	16.42-16.423	960-1427	9.0-9.2
3.020-3.026	16.69475-16.69525	1435-1626.5	9.3-9.5
4.125-4.128	16.80425-16.80475	1645.5-1646.5	10.6-12.7
4.17725-4.17775	25.5-25.67	1660-1710	13.25-13.4
4.20725-4.20775	37.5-38.25	1718.8-1722.2	14.47-14.5
5.677-5.683	73-74.6	2200-2300	15.35-16.2
6.215-6.218	74.8-75.2	2310-2390	17.7-21.4
6.26775-6.26825	108-138	2483.5-2500	22.01-23.12
6.31175-6.31225	149.9-150.05	2655-2900	23.6-24.0
8.291-8.294	156.52475-156.52525	3260-3267	31.2-31.8
8.362-8.366	156.7-156.9	3332-3339	36.43-36.5
8.37625-8.38675	162.0125-167.17	3345.8-3358	Above 38.6
8.41425-8.41475	167.72-173.2	3500-4400	
12.29-12.293	240-285	4.5-5.15	
12.51975-12.52025	322-335.4	5.35-5.46	

* Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

(3) FCC 15.209 & RSS-GEN Limit.

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/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(μV)/m (Peak) 54.0 dB(μV)/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 9-90kHz, 110-490kHz and above 1000MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

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

$$\text{Limit}_{3m}(\text{dB}\mu\text{V}/\text{m}) = \text{Limit}_{30m}(\text{dB}\mu\text{V}/\text{m}) + 40\text{Log}(30\text{m}/3\text{m})$$

8.3.3 Limit for this EUT

All 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 20dB below the fundamental emissions or comply with 15.209 limits.

8.3. Test procedure

- (1) EUT height should be 0.8 m for below 1 GHz at a semi - anechoic chamber while EUT height should be 1.5 m for above 1GHz at full chamber or semi - anechoic chamber ground with absorbers
- (2) Setup EUT and assistant system according clause 2.3 and 8.2
- (3) The antenna used as below table.

Test frequency range	Test antenna used	Test 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(1GHz-18GHz)	3 m
18 GHz-40 GHz	Horn Antenna(18GHz-40GHz)	3 m

According ANSI C63.10:2013 clause 6.4.4.2 and 6.5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also be positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. for measurement above 30 MHz, the Trilog Broadband Antenna was located 10 m, Horn Antenna was located 3 m 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.

- (4) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 40 GHz:

- (a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degrees, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1m 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 40 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9 kHz to 30 MHz and 18 GHz

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

- (5) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1m and 4m 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 C63.10:2020 on Radiated Emission test.
- (6) 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-90kHz, 110kHz-490kHz and above 1GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.
- (7) 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

- (8) For emissions above 1 GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3MHz for Peak measure, the RBW is set at 1 MHz, VBW is set at 10 Hz for AV value.

8.4. Test result

PASS. (See below detailed test result)

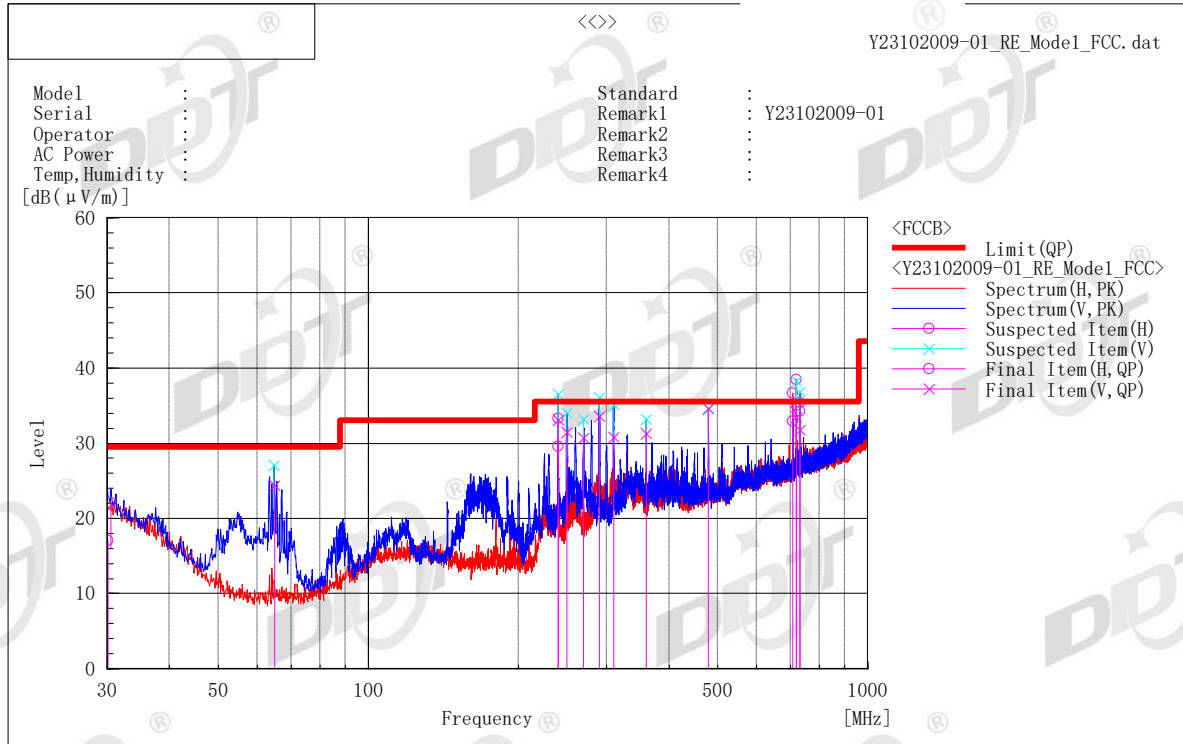
All the emissions except fundamental emission from 9kHz to 40GHz were comply with 15.209 limit.

Note1: According exploratory test, the emission levels are 20 dB below the limit 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 transmission mode.

Note3: For below test data, when the limit tabular marked “/” means this frequency point is the fundamental emission and no need comply with this limit.

Radiated Emission test (30MHz- 1GHz)



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB (μV)]	c.f [dB(1/m)]	Result QP [dB (μV/m)]	Limit QP [dB (μV/m)]	Margin QP [dB]	Height [cm]	Angle [°]	System	Remark
1	30.140	H	22.3	-5.3	17.0	29.5	12.5	316.0	317.8	1	
2	240.011	H	39.9	-10.3	29.6	35.5	5.9	220.0	55.8	1	
3	708.072	H	32.2	0.7	32.9	35.5	2.6	112.0	67.7	1	
4	719.975	H	33.8	1.2	35.0	35.5	0.5	119.0	192.3	1	
5	732.086	H	32.6	1.7	34.3	35.5	1.2	114.0	148.2	1	
6	64.846	V	41.6	-17.2	24.4	29.5	5.1	326.0	187.2	2	
7	240.013	V	43.2	-10.1	33.1	35.5	2.4	385.0	177.9	2	
8	249.892	V	40.5	-9.0	31.5	35.5	4.0	142.0	175.2	2	
9	269.465	V	39.2	-8.5	30.7	35.5	4.8	137.0	192.8	2	
10	289.644	V	41.5	-7.9	33.6	35.5	1.9	125.0	334.3	2	
11	310.350	V	38.1	-7.3	30.8	35.5	4.7	132.0	24.5	2	
12	360.010	V	37.1	-5.8	31.3	35.5	4.2	228.0	349.4	2	
13	480.006	V	36.7	-2.1	34.6	35.5	0.9	116.0	358.0	2	
14	719.994	V	31.9	1.6	33.5	35.5	2.0	312.0	277.8	2	
15	732.136	V	30.0	1.8	31.8	35.5	3.7	305.0	215.3	2	

Note) Receiving antenna polarization: Horizontal and/or Vertical

Test Distance: 10 m, Antenna Height: 1 m to 4 m

Level QP (Quasi-Peak) = Reading QP + Factor (Antenna Factor + Cable Loss - Amp. Gain)

Margin QP (Quasi-Peak) = Limit - Level QP

Radiated Emission test (above 1GHz)

Freq (MHz)	Read level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector type	Polarization
Tx mode: 11ac20 MCS0 Ant1+Ant2 5180MHz								
3600.00	48.02	30.64	-32.08	46.58	74.00	-27.42	Peak	HORIZONTAL
7020.00	43.77	36.63	-31.02	49.38	74.00	-24.62	Peak	HORIZONTAL
9450.00	41.01	37.97	-29.99	48.99	74.00	-25.01	Peak	HORIZONTAL
11430.00	40.26	38.70	-28.63	50.33	74.00	-23.67	Peak	HORIZONTAL
13290.00	41.66	40.02	-29.16	52.52	74.00	-21.48	Peak	HORIZONTAL
16230.00	40.71	39.10	-27.59	52.22	74.00	-21.78	Peak	HORIZONTAL
3600.00	45.18	30.64	-32.08	43.74	74.00	-30.26	Peak	VERTICAL
5985.00	43.53	35.26	-31.86	46.93	74.00	-27.07	Peak	VERTICAL
8100.00	44.74	37.08	-31.38	50.44	74.00	-23.56	Peak	VERTICAL
11580.00	41.29	38.68	-28.62	51.35	74.00	-22.65	Peak	VERTICAL
14190.00	37.68	41.13	-27.16	51.65	74.00	-22.35	Peak	VERTICAL
17115.00	36.39	42.36	-26.80	51.95	74.00	-22.05	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5200MHz								
3600.00	45.06	30.64	-32.08	43.62	74.00	-30.38	Peak	HORIZONTAL
6930.00	44.08	36.49	-31.25	49.32	74.00	-24.68	Peak	HORIZONTAL
8100.00	45.04	37.08	-31.38	50.74	74.00	-23.26	Peak	HORIZONTAL
10395.00	43.80	38.46	-29.63	52.63	74.00	-21.37	Peak	HORIZONTAL
12615.00	40.79	38.81	-28.98	50.62	74.00	-23.38	Peak	HORIZONTAL
15615.00	40.75	38.27	-27.91	51.11	74.00	-22.89	Peak	HORIZONTAL
3735.00	44.94	30.96	-32.41	43.49	74.00	-30.51	Peak	VERTICAL
6000.00	46.89	35.30	-31.80	50.39	74.00	-23.61	Peak	VERTICAL
9000.00	43.47	37.70	-30.52	50.65	74.00	-23.35	Peak	VERTICAL
11910.00	41.06	38.62	-28.63	51.05	74.00	-22.95	Peak	VERTICAL
15240.00	40.15	38.62	-27.55	51.22	74.00	-22.78	Peak	VERTICAL
17220.00	37.04	42.51	-26.90	52.65	74.00	-21.35	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5240MHz								
3615.00	45.87	30.68	-31.98	44.57	74.00	-29.43	Peak	HORIZONTAL
6990.00	43.48	36.58	-31.33	48.73	74.00	-25.27	Peak	HORIZONTAL
9090.00	41.33	37.75	-30.69	48.39	74.00	-25.61	Peak	HORIZONTAL
11370.00	40.37	38.70	-28.63	50.44	74.00	-23.56	Peak	HORIZONTAL
14805.00	38.39	39.66	-26.78	51.27	74.00	-22.73	Peak	HORIZONTAL
16875.00	37.43	41.60	-26.58	52.45	74.00	-21.55	Peak	HORIZONTAL
3165.00	46.83	29.60	-32.40	44.03	74.00	-29.97	Peak	VERTICAL
6885.00	43.23	36.42	-31.28	48.37	74.00	-25.63	Peak	VERTICAL
9390.00	41.35	37.93	-29.80	49.48	74.00	-24.52	Peak	VERTICAL
12480.00	41.46	38.60	-29.34	50.72	74.00	-23.28	Peak	VERTICAL
15375.00	40.63	38.40	-27.57	51.46	74.00	-22.54	Peak	VERTICAL
17520.00	35.96	42.87	-27.31	51.52	74.00	-22.48	Peak	VERTICAL
Verdict: Pass								

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

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

4. Scan with all modes, the worst case was recorded in this report.

Freq (MHz)	Read level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector type	Polarization
Tx mode: 11ac20 MCS0 Ant1+Ant2 5260MHz								
3675.00	43.76	30.82	-32.01	42.57	74.00	-31.43	Peak	HORIZONTAL
7245.00	42.60	36.99	-30.66	48.93	74.00	-25.07	Peak	HORIZONTAL
8100.00	45.10	37.08	-31.38	50.80	74.00	-23.20	Peak	HORIZONTAL
11460.00	40.91	38.70	-28.62	50.99	74.00	-23.01	Peak	HORIZONTAL
15300.00	41.55	38.52	-27.35	52.72	74.00	-21.28	Peak	HORIZONTAL
16740.00	37.66	40.95	-26.25	52.36	74.00	-21.64	Peak	HORIZONTAL
3615.00	45.59	30.68	-31.98	44.29	74.00	-29.71	Peak	VERTICAL
6000.00	46.20	35.30	-31.80	49.70	74.00	-24.30	Peak	VERTICAL
8100.00	45.05	37.08	-31.38	50.75	74.00	-23.25	Peak	VERTICAL
10500.00	42.86	38.50	-29.57	51.79	74.00	-22.21	Peak	VERTICAL
13455.00	41.43	40.32	-29.23	52.52	74.00	-21.48	Peak	VERTICAL
16260.00	40.82	39.18	-27.39	52.61	74.00	-21.39	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5280MHz								
4350.00	41.37	31.81	-31.86	41.32	74.00	-32.68	Peak	HORIZONTAL
7230.00	42.59	36.97	-30.87	48.69	74.00	-25.31	Peak	HORIZONTAL
10500.00	40.42	38.50	-29.57	49.35	74.00	-24.65	Peak	HORIZONTAL
12570.00	41.65	38.73	-29.11	51.27	74.00	-22.73	Peak	HORIZONTAL
14025.00	38.77	41.37	-28.35	51.79	74.00	-22.21	Peak	HORIZONTAL
16425.00	39.60	39.60	-27.06	52.14	74.00	-21.86	Peak	HORIZONTAL
3000.00	46.04	29.20	-32.23	43.01	74.00	-30.99	Peak	VERTICAL
7035.00	42.74	36.66	-30.74	48.66	74.00	-25.34	Peak	VERTICAL
9240.00	41.49	37.84	-30.41	48.92	74.00	-25.08	Peak	VERTICAL
12285.00	42.31	38.60	-29.28	51.63	74.00	-22.37	Peak	VERTICAL
13725.00	39.67	40.85	-28.92	51.60	74.00	-22.40	Peak	VERTICAL
17910.00	36.98	42.33	-27.14	52.17	74.00	-21.83	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5320MHz								
4005.00	42.13	31.60	-32.03	41.70	74.00	-32.30	Peak	HORIZONTAL
7335.00	42.35	37.14	-30.66	48.83	74.00	-25.17	Peak	HORIZONTAL
9435.00	41.24	37.96	-29.91	49.29	74.00	-24.71	Peak	HORIZONTAL
11190.00	40.99	38.70	-28.34	51.35	74.00	-22.65	Peak	HORIZONTAL
14160.00	38.72	41.18	-27.51	52.39	74.00	-21.61	Peak	HORIZONTAL
17460.00	36.63	42.84	-27.25	52.22	74.00	-21.78	Peak	HORIZONTAL
3750.00	44.93	31.00	-32.47	43.46	74.00	-30.54	Peak	VERTICAL
6000.00	43.83	35.30	-31.80	47.33	74.00	-26.67	Peak	VERTICAL
10110.00	41.56	38.34	-29.69	50.21	74.00	-23.79	Peak	VERTICAL
11820.00	41.24	38.64	-28.62	51.26	74.00	-22.74	Peak	VERTICAL
13695.00	39.86	40.79	-28.91	51.74	74.00	-22.26	Peak	VERTICAL
16770.00	36.73	41.10	-26.02	51.81	74.00	-22.19	Peak	VERTICAL
Verdict: Pass								

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

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

4. Scan with all modes, the worst case was recorded in this report.

Freq (MHz)	Read level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector type	Polarization
Tx mode: 11ac20 MCS0 Ant1+Ant2 5500MHz								
3615.00	45.57	30.68	-31.98	44.27	74.00	-29.73	Peak	HORIZONTAL
7335.00	43.39	37.14	-30.66	49.87	74.00	-24.13	Peak	HORIZONTAL
8985.00	41.70	37.69	-30.62	48.77	74.00	-25.23	Peak	HORIZONTAL
10980.00	41.91	38.69	-28.91	51.69	74.00	-22.31	Peak	HORIZONTAL
13260.00	42.13	39.97	-29.31	52.79	74.00	-21.21	Peak	HORIZONTAL
16980.00	36.63	42.10	-26.07	52.66	74.00	-21.34	Peak	HORIZONTAL
3675.00	43.64	30.82	-32.01	42.45	74.00	-31.55	Peak	VERTICAL
6855.00	42.16	36.37	-30.97	47.56	74.00	-26.44	Peak	VERTICAL
11010.00	42.18	38.70	-28.83	52.05	74.00	-21.95	Peak	VERTICAL
13110.00	41.81	39.70	-29.08	52.43	74.00	-21.57	Peak	VERTICAL
14160.00	39.48	41.18	-27.51	53.15	74.00	-20.85	Peak	VERTICAL
17190.00	37.36	42.47	-26.92	52.91	74.00	-21.09	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5580MHz								
4350.00	41.38	31.81	-31.86	41.33	74.00	-32.67	Peak	HORIZONTAL
6945.00	42.58	36.51	-31.16	47.93	74.00	-26.07	Peak	HORIZONTAL
8100.00	45.32	37.08	-31.38	51.02	74.00	-22.98	Peak	HORIZONTAL
11145.00	40.62	38.70	-28.51	50.81	74.00	-23.19	Peak	HORIZONTAL
13335.00	40.22	40.10	-29.22	51.10	74.00	-22.90	Peak	HORIZONTAL
16395.00	39.32	39.53	-27.17	51.68	74.00	-22.32	Peak	HORIZONTAL
3165.00	45.25	29.60	-32.40	42.45	74.00	-31.55	Peak	VERTICAL
7170.00	41.75	36.87	-31.15	47.47	74.00	-26.53	Peak	VERTICAL
9585.00	40.65	38.05	-30.01	48.69	74.00	-25.31	Peak	VERTICAL
11835.00	40.94	38.63	-28.62	50.95	74.00	-23.05	Peak	VERTICAL
13695.00	40.00	40.79	-28.91	51.88	74.00	-22.12	Peak	VERTICAL
15720.00	40.03	38.33	-27.34	51.02	74.00	-22.98	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5700MHz								
4095.00	42.40	31.66	-32.40	41.66	74.00	-32.34	Peak	HORIZONTAL
7095.00	42.33	36.75	-31.03	48.05	74.00	-25.95	Peak	HORIZONTAL
8985.00	42.19	37.69	-30.62	49.26	74.00	-24.74	Peak	HORIZONTAL
12705.00	41.28	38.97	-29.10	51.15	74.00	-22.85	Peak	HORIZONTAL
13650.00	40.94	40.70	-29.02	52.62	74.00	-21.38	Peak	HORIZONTAL
15675.00	40.53	38.31	-27.38	51.46	74.00	-22.54	Peak	HORIZONTAL
3630.00	43.78	30.71	-31.88	42.61	74.00	-31.39	Peak	VERTICAL
7290.00	41.03	37.06	-30.77	47.32	74.00	-26.68	Peak	VERTICAL
8985.00	42.52	37.69	-30.62	49.59	74.00	-24.41	Peak	VERTICAL
12420.00	41.83	38.60	-28.97	51.46	74.00	-22.54	Peak	VERTICAL
14805.00	38.33	39.66	-26.78	51.21	74.00	-22.79	Peak	VERTICAL
16395.00	39.96	39.53	-27.17	52.32	74.00	-21.68	Peak	VERTICAL
Verdict: Pass								

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

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

4. Scan with all modes, the worst case was recorded in this report.

Freq (MHz)	Read level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector type	Polarization
Tx mode: 11ac20 MCS0 Ant1+Ant2 5745MHz								
4725.00	41.72	32.35	-31.67	42.40	74.00	-31.60	Peak	HORIZONTAL
7620.00	41.76	37.30	-31.15	47.91	74.00	-26.09	Peak	HORIZONTAL
9435.00	41.02	37.96	-29.91	49.07	74.00	-24.93	Peak	HORIZONTAL
11205.00	39.69	38.70	-28.32	50.07	74.00	-23.93	Peak	HORIZONTAL
14775.00	38.32	39.76	-26.94	51.14	74.00	-22.86	Peak	HORIZONTAL
17580.00	36.15	42.79	-27.33	51.61	74.00	-22.39	Peak	HORIZONTAL
4875.00	40.67	32.65	-31.74	41.58	74.00	-32.42	Peak	VERTICAL
7140.00	41.76	36.82	-31.06	47.52	74.00	-26.48	Peak	VERTICAL
9420.00	41.14	37.95	-29.84	49.25	74.00	-24.75	Peak	VERTICAL
12225.00	41.11	38.60	-29.02	50.69	74.00	-23.31	Peak	VERTICAL
14205.00	38.49	41.11	-27.10	52.50	74.00	-21.50	Peak	VERTICAL
16125.00	41.94	38.83	-27.32	53.45	74.00	-20.55	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5785MHz								
3840.00	41.96	31.22	-32.20	40.98	74.00	-33.02	Peak	HORIZONTAL
7710.00	42.82	37.23	-31.24	48.81	74.00	-25.19	Peak	HORIZONTAL
9660.00	41.07	38.10	-30.02	49.15	74.00	-24.85	Peak	HORIZONTAL
12540.00	42.22	38.67	-29.26	51.63	74.00	-22.37	Peak	HORIZONTAL
14565.00	38.43	40.48	-27.16	51.75	74.00	-22.25	Peak	HORIZONTAL
16755.00	37.24	41.02	-26.14	52.12	74.00	-21.88	Peak	HORIZONTAL
3300.00	45.96	29.92	-32.64	43.24	74.00	-30.76	Peak	VERTICAL
6885.00	43.33	36.42	-31.28	48.47	74.00	-25.53	Peak	VERTICAL
9390.00	41.55	37.93	-29.80	49.68	74.00	-24.32	Peak	VERTICAL
12060.00	41.38	38.60	-28.76	51.22	74.00	-22.78	Peak	VERTICAL
14895.00	39.07	39.36	-27.27	51.16	74.00	-22.84	Peak	VERTICAL
17355.00	36.37	42.70	-27.00	52.07	74.00	-21.93	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5825MHz								
5145.00	41.77	33.16	-31.64	43.29	74.00	-30.71	Peak	HORIZONTAL
7035.00	42.59	36.66	-30.74	48.51	74.00	-25.49	Peak	HORIZONTAL
9405.00	41.02	37.94	-29.77	49.19	74.00	-24.81	Peak	HORIZONTAL
12105.00	41.21	38.60	-28.75	51.06	74.00	-22.94	Peak	HORIZONTAL
14220.00	39.04	41.09	-27.27	52.86	74.00	-21.14	Peak	HORIZONTAL
16470.00	40.43	39.72	-26.87	53.28	74.00	-20.72	Peak	HORIZONTAL
3300.00	46.87	29.92	-32.64	44.15	74.00	-29.85	Peak	VERTICAL
6780.00	42.47	36.25	-31.16	47.56	74.00	-26.44	Peak	VERTICAL
9000.00	43.64	37.70	-30.52	50.82	74.00	-23.18	Peak	VERTICAL
11655.00	42.09	38.67	-28.63	52.13	74.00	-21.87	Peak	VERTICAL
14445.00	37.93	40.78	-27.39	51.32	74.00	-22.68	Peak	VERTICAL
16605.00	37.92	40.30	-26.28	51.94	74.00	-22.06	Peak	VERTICAL
Verdict: Pass								

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

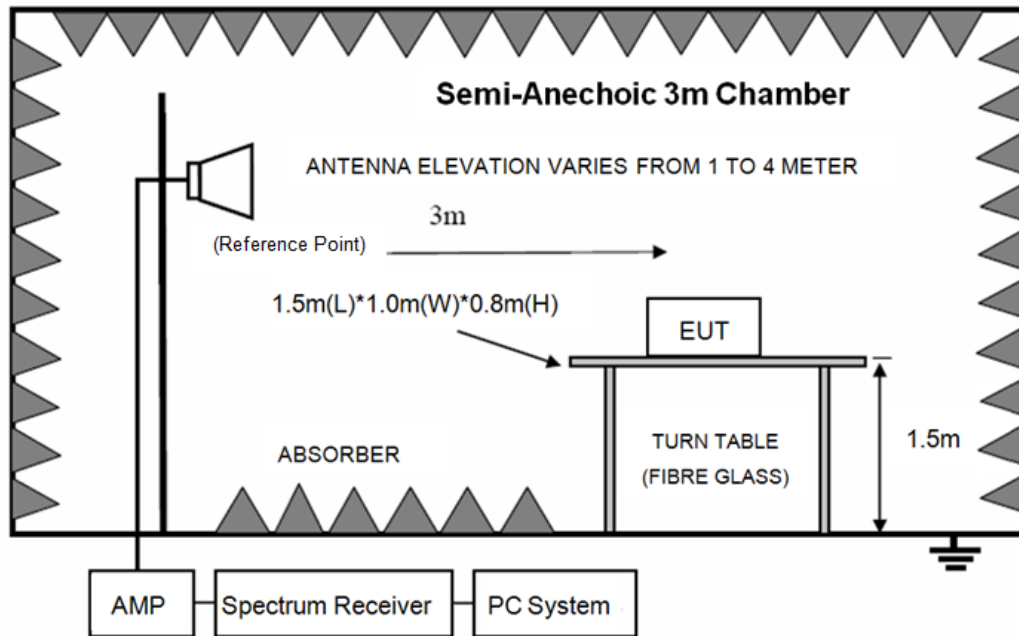
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

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

4. Scan with all modes, the worst case was recorded in this report.

9. Band Edge Compliance

9.1. Block diagram of test setup



9.2. Limit

- (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 in the 5.725-5.85 GHz band: All emissions within the frequency range shall comply with 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges; 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges; 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.
 - (5) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.
 - (6) The provisions of §15.205 apply to intentional radiators operating under this section.
- 27 dBm/MHz Limit=95.2+EIRP [dBm]=95.2-27=122.2 dBμV/m

16.5 dBm/MHz Limit=95.2+EIRP [dBm]=95.2-27=110.8 dBμV/m

10 dBm/MHz Limit=95.2+EIRP [dBm]=95.2-27=105.2 dBμV/m

-27 dBm/MHz Limit=95.2+EIRP [dBm]=95.2-27=68.2 dBμV/m

9.3. Test procedure

Same with clause 8.3 except change investigated frequency range.

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

9.4. Test result

Pass. (See below detailed test result)

Note1: 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 (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an 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 or -17 dBm/MHz peak emission limit

Note2: 11a, 11n20, 11n40, 11ac20, 11ac40, 11ac80 mode all have been tested, 11a mode of ANT1 and ANT 2, 11n20, 11n40, 11ac20, 11ac40, 11ac80 mode of MIMO mode is worse case and reported.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

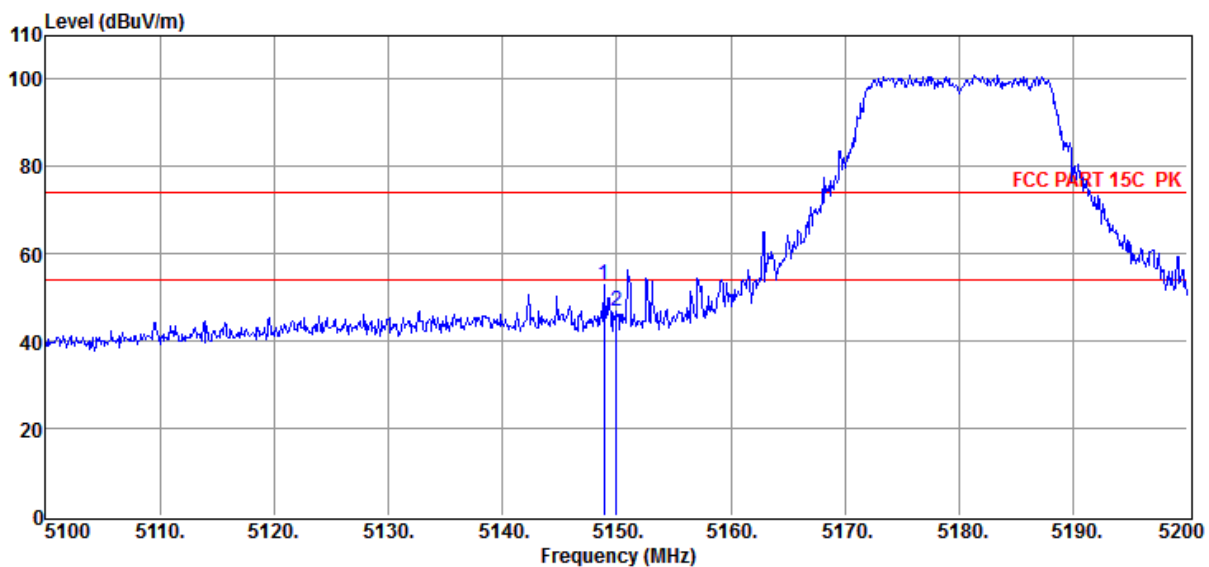
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT1 6M 5180MHz

Data: 127



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5148.90	51.31	33.17	-31.66	52.82	74.00	-21.18	Peak	HORIZONTAL
2	5150.00	45.43	33.17	-31.67	46.93	74.00	-27.07	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

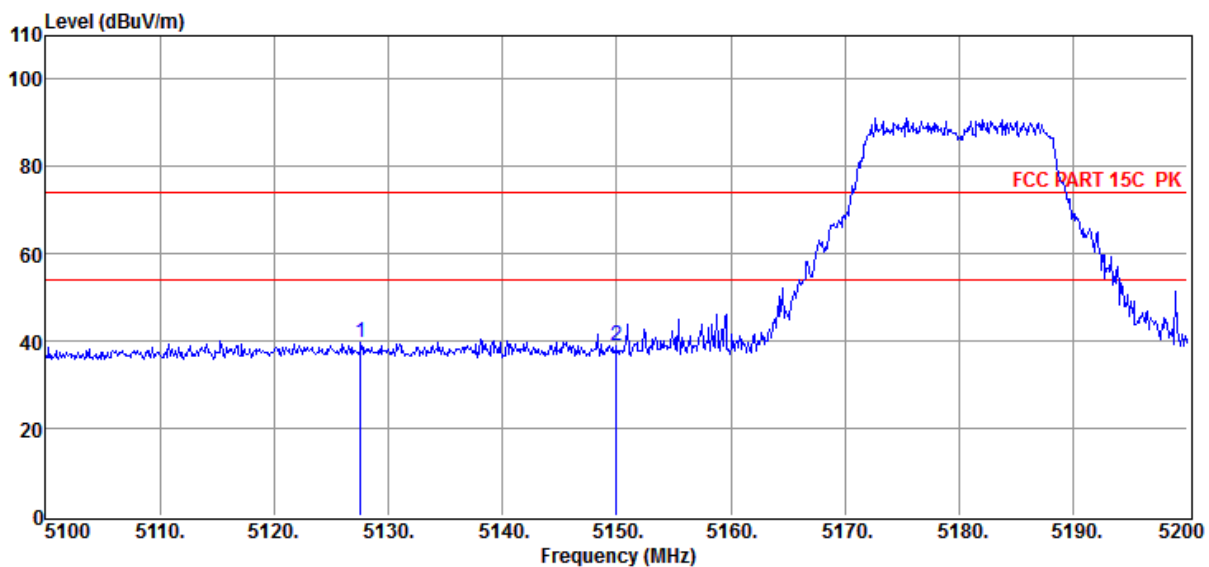
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT1 6M 5180MHz

Data: 128



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5127.60	38.00	33.13	-31.53	39.60	74.00	-34.40	Peak	VERTICAL
2	5150.00	37.39	33.17	-31.67	38.89	74.00	-35.11	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

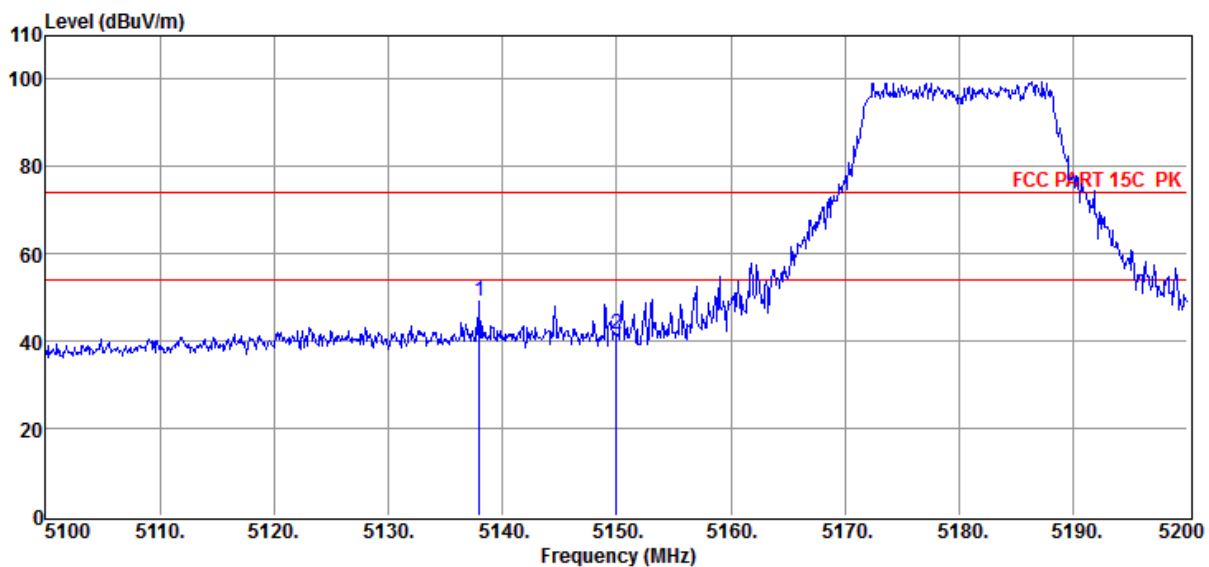
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT2 6M 5180MHz

Data: 129



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5138.00	47.77	33.15	-31.60	49.32	74.00	-24.68	Peak	VERTICAL
2	5150.00	40.08	33.17	-31.67	41.58	74.00	-32.42	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

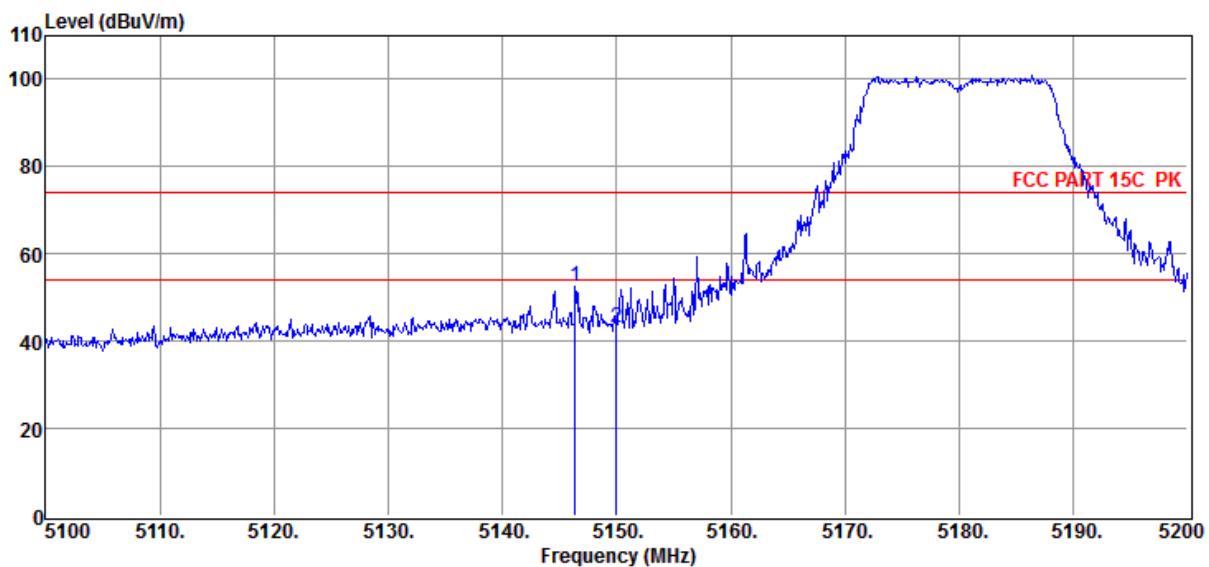
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT2 6M 5180MHz

Data: 130



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5146.40	50.99	33.16	-31.65	52.50	74.00	-21.50	Peak	HORIZONTAL
2	5150.00	41.62	33.17	-31.67	43.12	74.00	-30.88	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

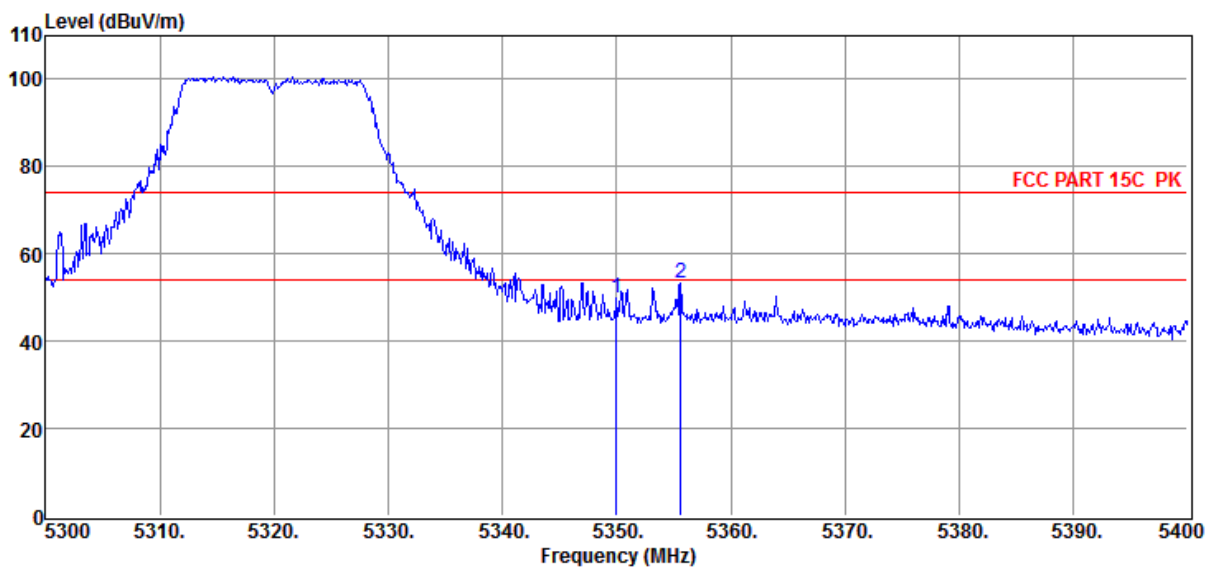
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT2 6M 5320MHz

Data: 131



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5350.00	48.06	33.53	-31.85	49.74	74.00	-24.26	Peak	HORIZONTAL
2	5355.60	51.48	33.54	-31.82	53.20	74.00	-20.80	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

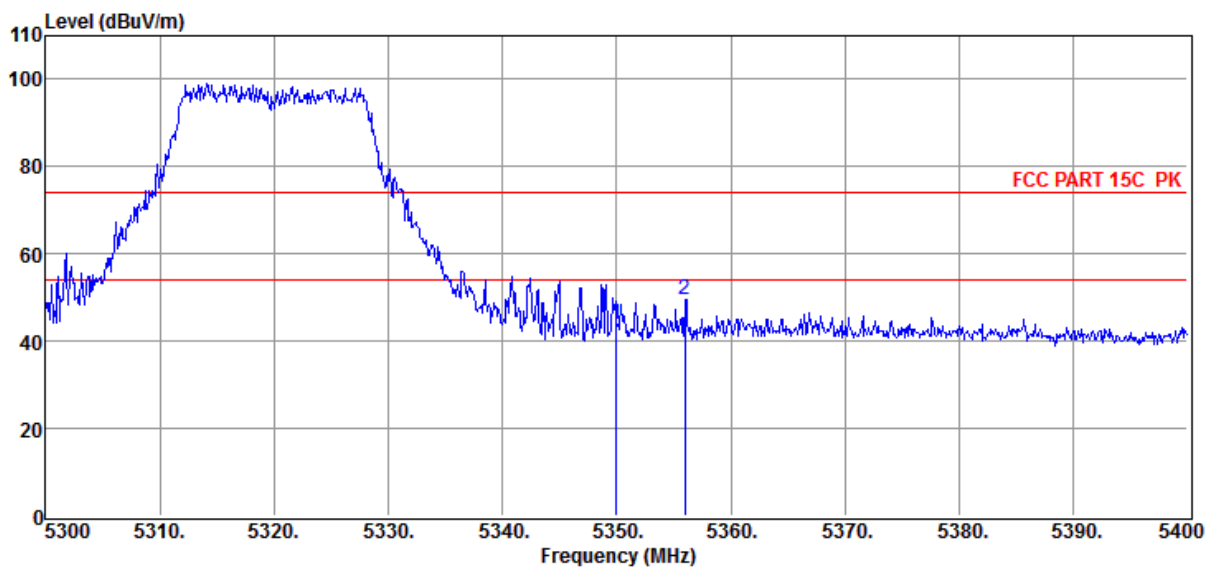
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT2 6M 5320MHz

Data: 132



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5350.00	42.33	33.53	-31.85	44.01	74.00	-29.99	Peak	VERTICAL
2	5356.00	47.75	33.54	-31.82	49.47	74.00	-24.53	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

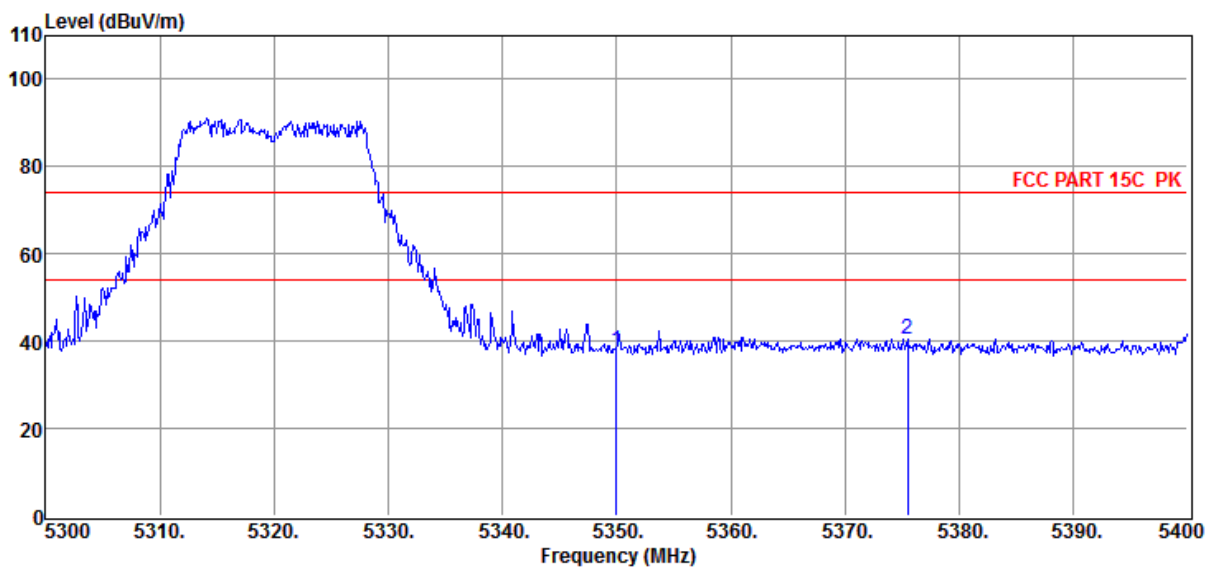
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT1 6M 5320MHz

Data: 133



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5350.00	36.29	33.53	-31.85	37.97	74.00	-36.03	Peak	VERTICAL
2	5375.50	38.56	33.58	-31.73	40.41	74.00	-33.59	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

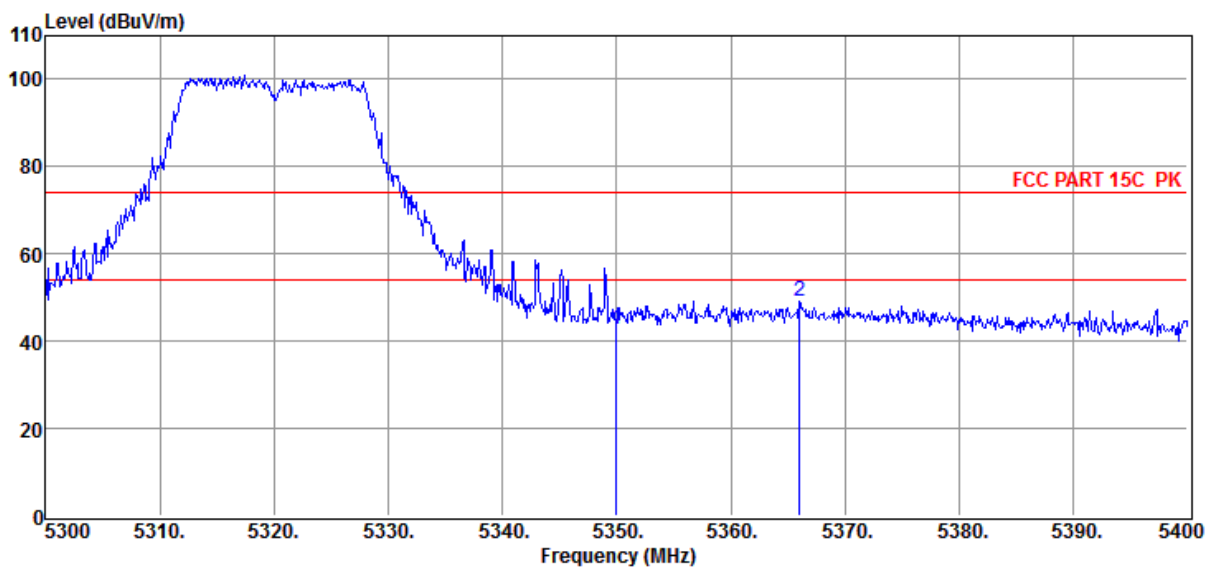
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT1 6M 5320MHz

Data: 134



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5350.00	41.03	33.53	-31.85	42.71	74.00	-31.29	Peak	HORIZONTAL
2	5366.00	47.29	33.56	-31.77	49.08	74.00	-24.92	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

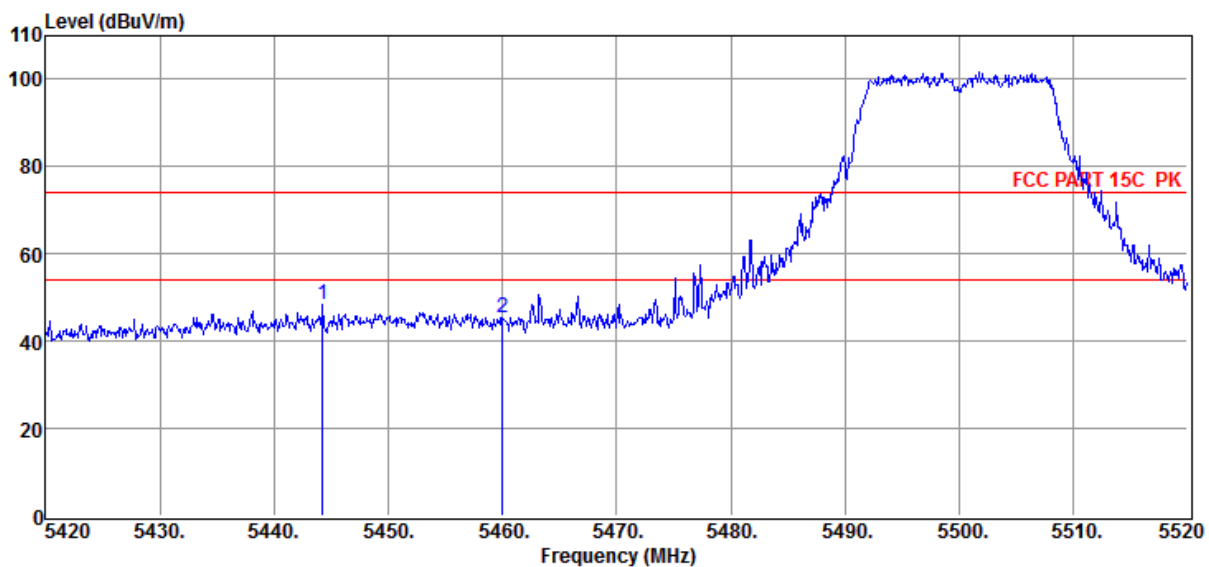
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT1 6M 5500MHZ

Data: 135



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5444.30	46.21	33.70	-31.49	48.42	74.00	-25.58	Peak	HORIZONTAL
2	5460.00	43.29	33.73	-31.49	45.53	74.00	-28.47	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

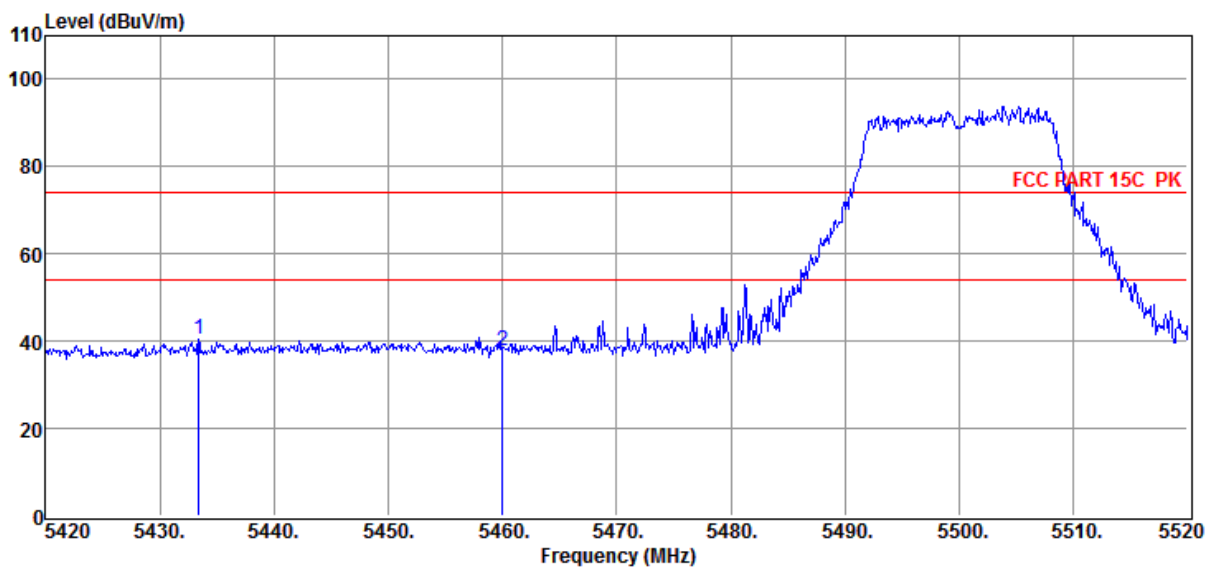
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT1 6M 5500MHZ

Data: 136



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5433.40	38.11	33.68	-31.52	40.27	74.00	-33.73	Peak	VERTICAL
2	5460.00	35.41	33.73	-31.49	37.65	74.00	-36.35	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

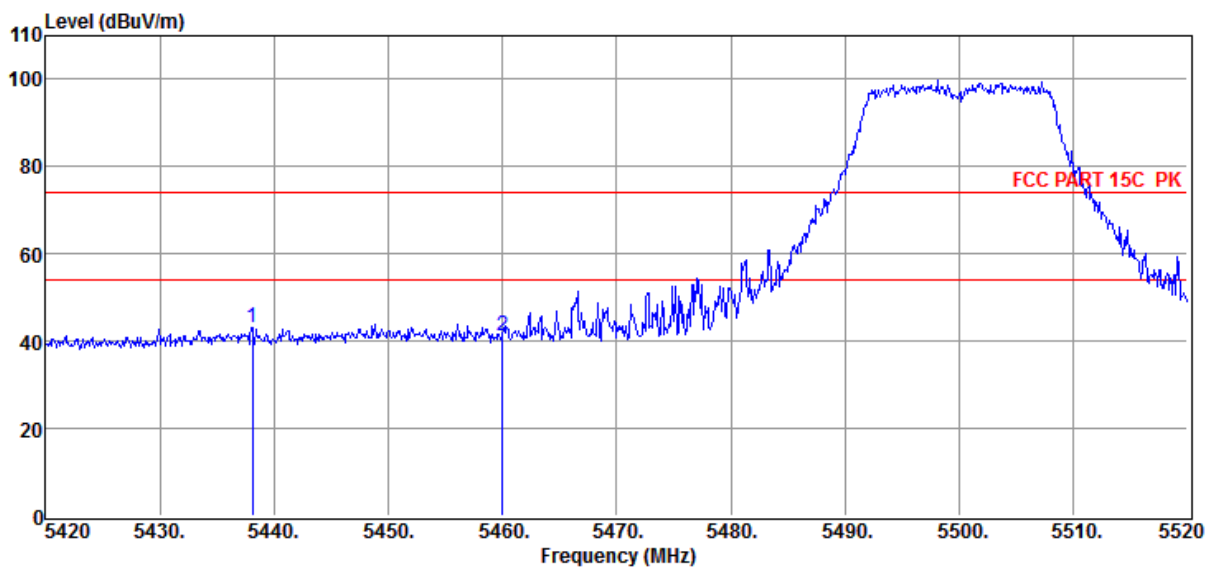
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT2 6M 5500MHZ

Data: 137



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5438.10	41.01	33.69	-31.51	43.19	74.00	-30.81	Peak	VERTICAL
2	5460.00	38.95	33.73	-31.49	41.19	74.00	-32.81	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

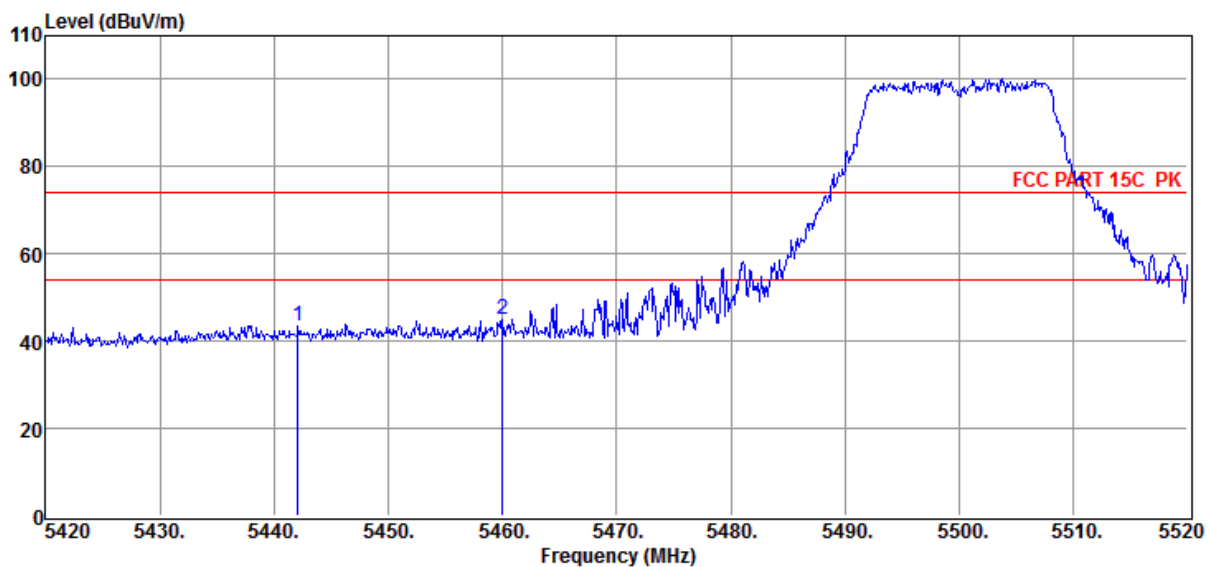
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT2 6M 5500MHZ

Data: 138



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5442.10	41.44	33.70	-31.50	43.64	74.00	-30.36	Peak	HORIZONTAL
2	5460.00	42.60	33.73	-31.49	44.84	74.00	-29.16	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

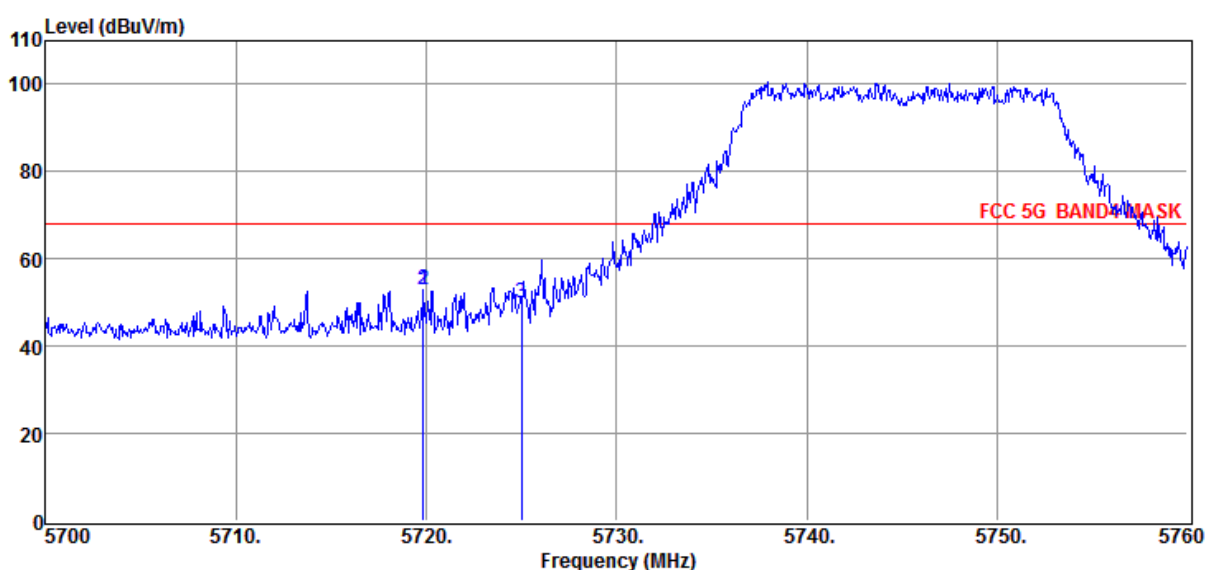
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT2 6M 5745MHz

Data: 139



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5719.86	50.30	34.46	-31.65	53.11	68.20	-15.09	Peak	HORIZONTAL
2	5719.86	50.30	34.46	-31.65	53.11	68.20	-15.09	Peak	HORIZONTAL
3	5725.00	46.99	34.47	-31.69	49.77	68.20	-18.43	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

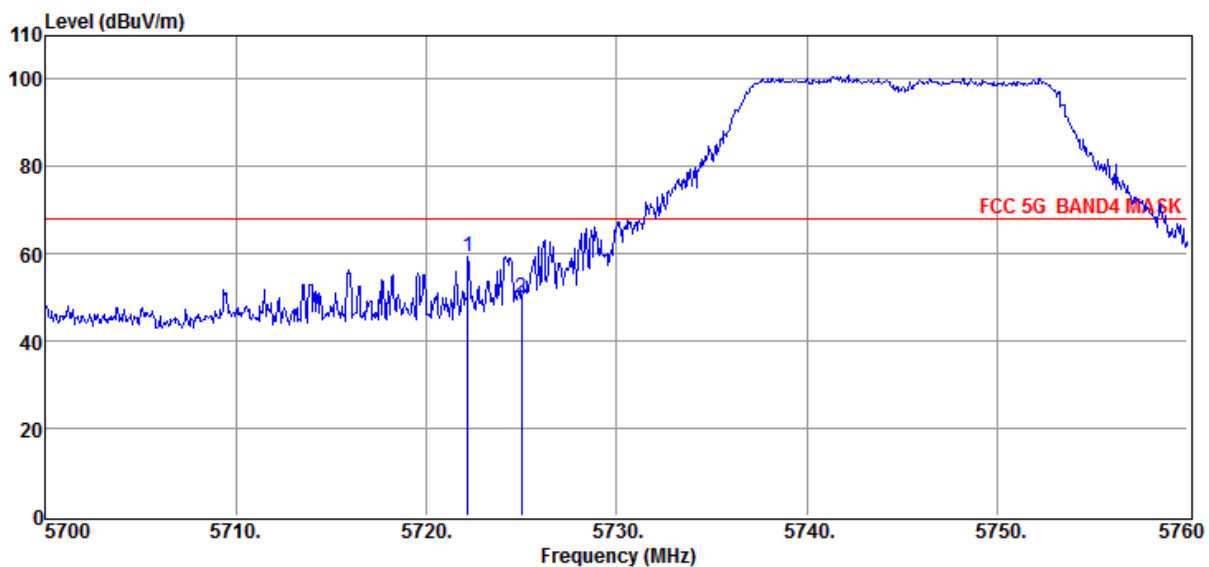
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT2 6M 5745MHz

Data: 140



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5722.20	56.71	34.47	-31.67	59.51	68.20	-8.69	Peak	VERTICAL
2	5725.00	47.10	34.47	-31.69	49.88	68.20	-18.32	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

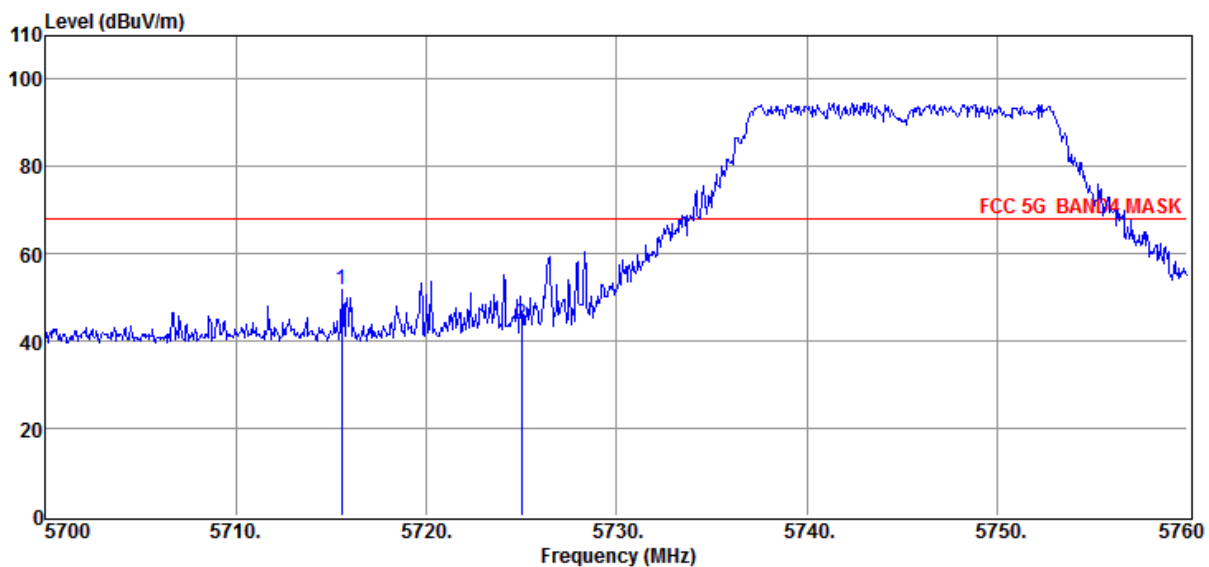
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT1 6M 5745MHz

Data: 141



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5715.54	48.97	34.45	-31.61	51.81	68.20	-16.39	Peak	VERTICAL
2	5725.00	40.90	34.47	-31.69	43.68	68.20	-24.52	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

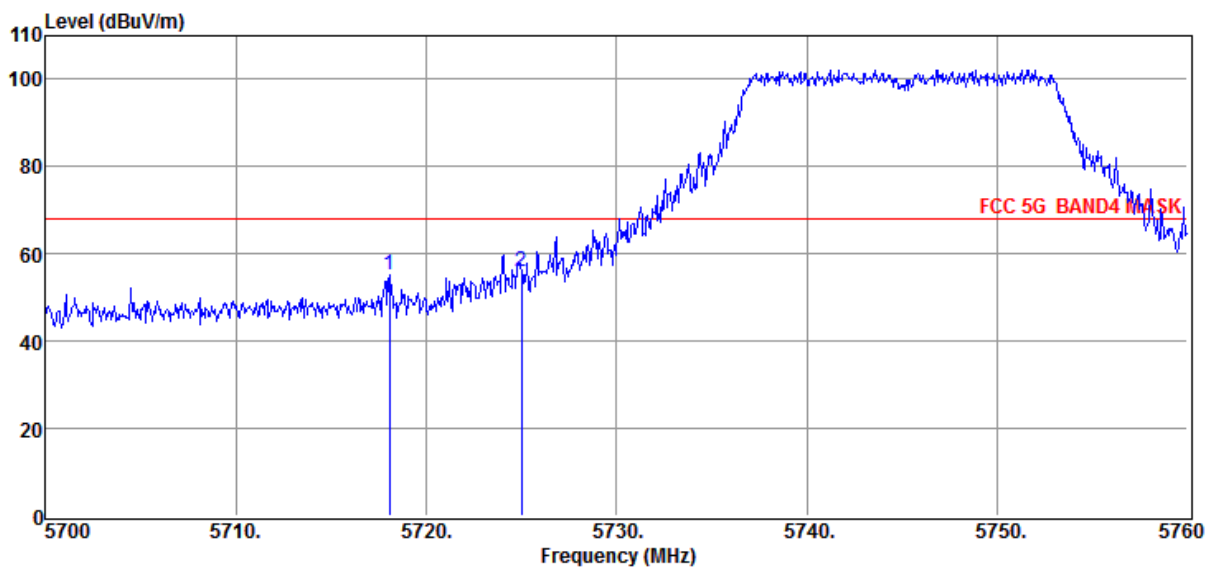
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT1 6M 5745MHz

Data: 142



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5718.06	52.28	34.45	-31.63	55.10	68.20	-13.10	Peak	HORIZONTAL
2	5725.00	53.32	34.47	-31.69	56.10	68.20	-12.10	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

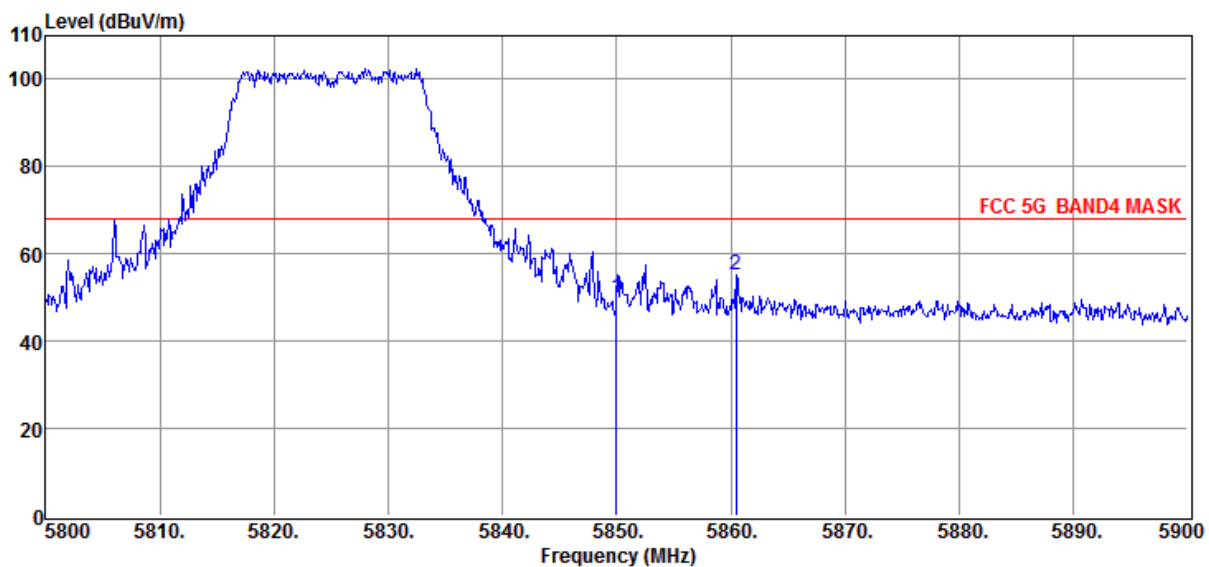
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT1 6M 5825MHz

Data: 143



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5850.00	47.27	34.85	-32.17	49.95	68.20	-18.25	Peak	HORIZONTAL
2	5860.50	52.39	34.88	-32.04	55.23	68.20	-12.97	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

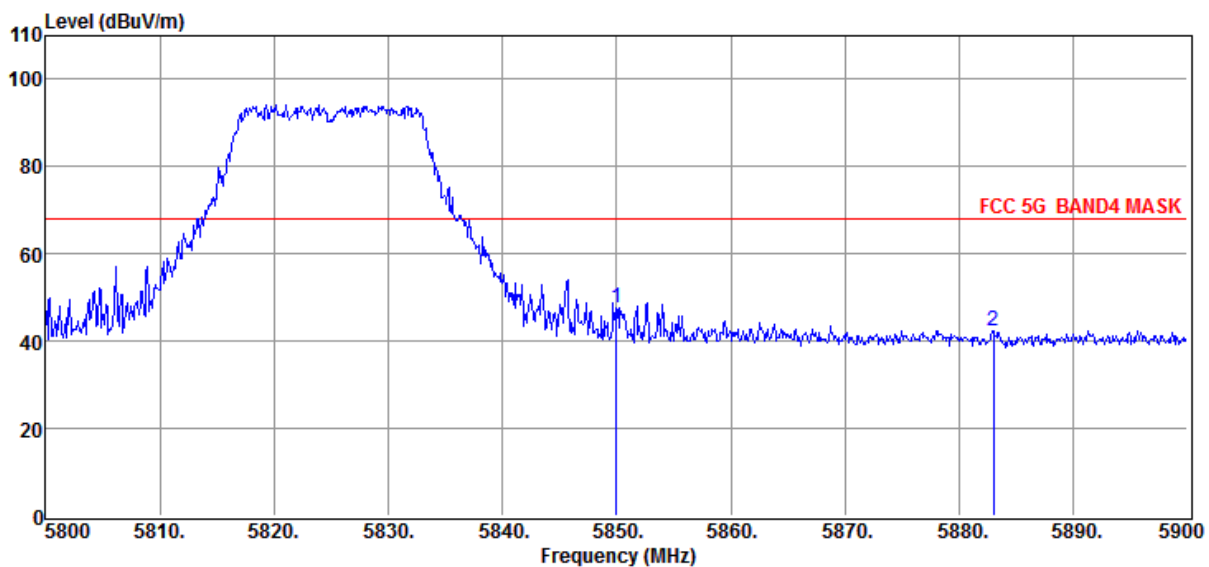
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT1 6M 5825MHz

Data: 144



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5850.00	44.90	34.85	-32.17	47.58	68.20	-20.62	Peak	VERTICAL
2	5883.00	39.26	34.95	-31.77	42.44	68.20	-25.76	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

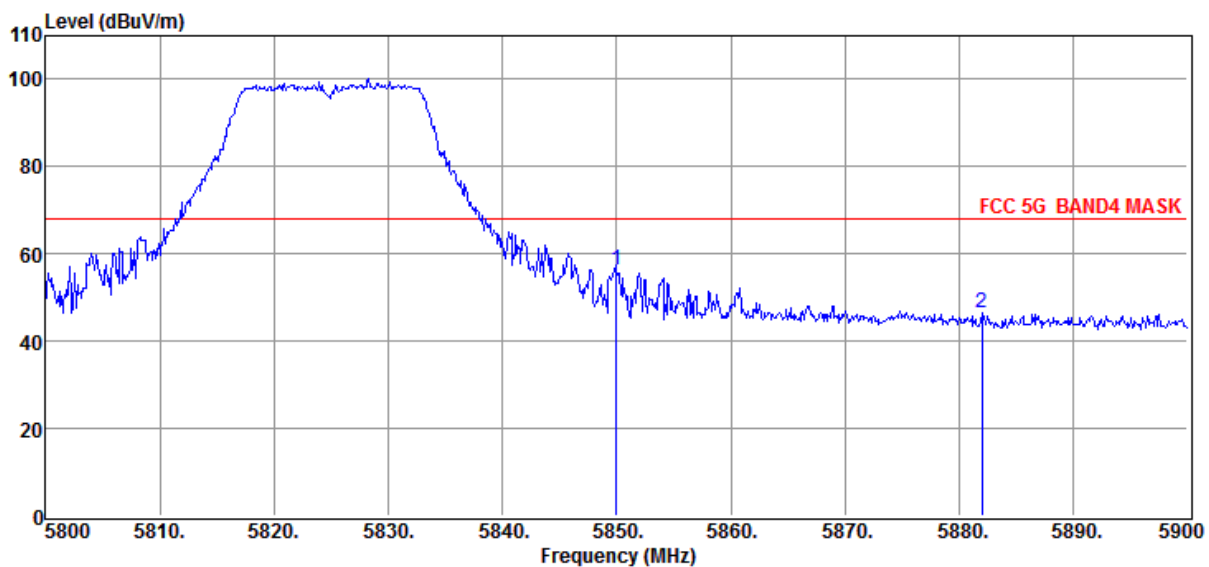
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT2 6M 5825MHz

Data: 145



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5850.00	53.67	34.85	-32.17	56.35	68.20	-11.85	Peak	VERTICAL
2	5882.00	43.15	34.95	-31.79	46.31	68.20	-21.89	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

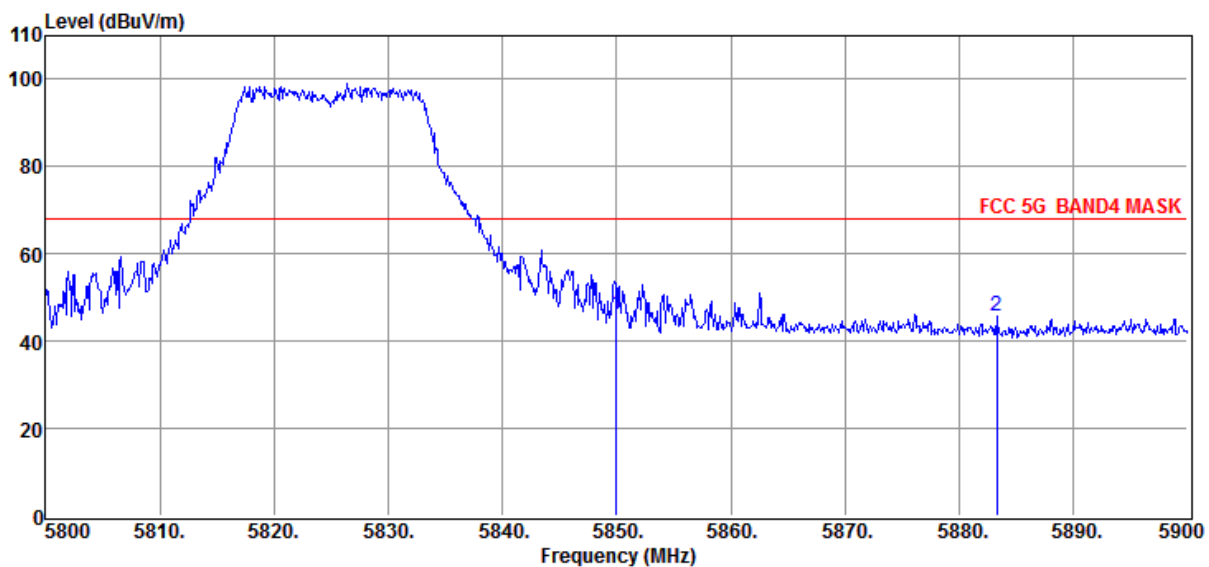
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11A ANT2 6M 5825MHz

Data: 146



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5850.00	43.62	34.85	-32.17	46.30	68.20	-21.90	Peak	HORIZONTAL
2	5883.30	42.47	34.95	-31.77	45.65	68.20	-22.55	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-27-2023

Tested By : Sunny

EUT : AI Delivery Robot

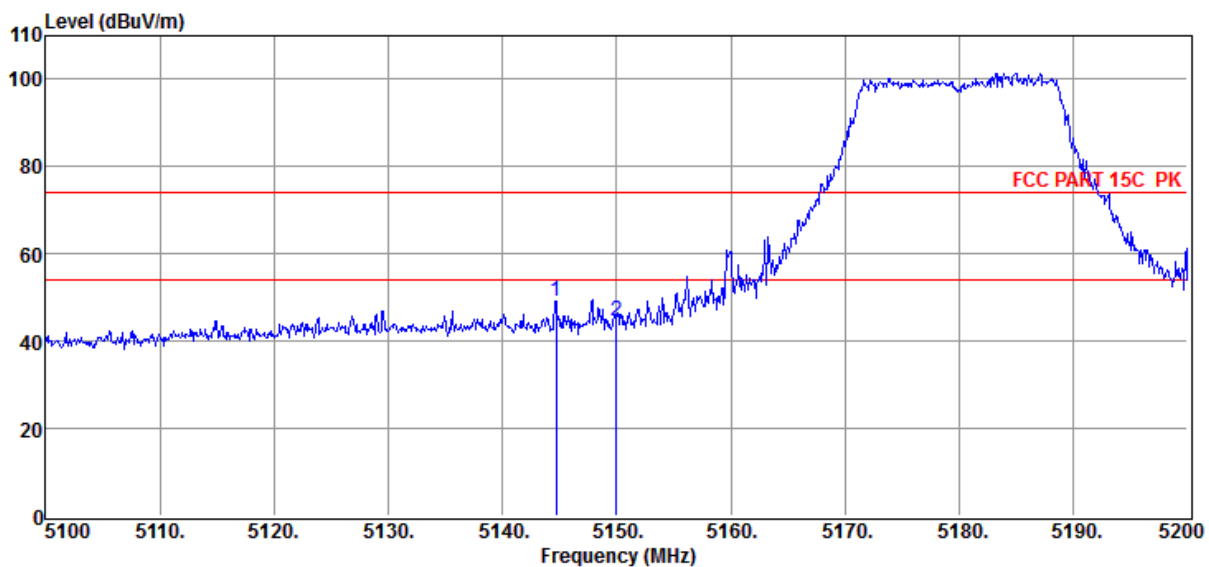
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 ANT1+ANT2 MCS0 5180MHz

Data: 147



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5144.70	47.69	33.16	-31.64	49.21	74.00	-24.79	Peak	HORIZONTAL
2	5150.00	43.02	33.17	-31.67	44.52	74.00	-29.48	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-27-2023

Tested By : Sunny

EUT : AI Delivery Robot

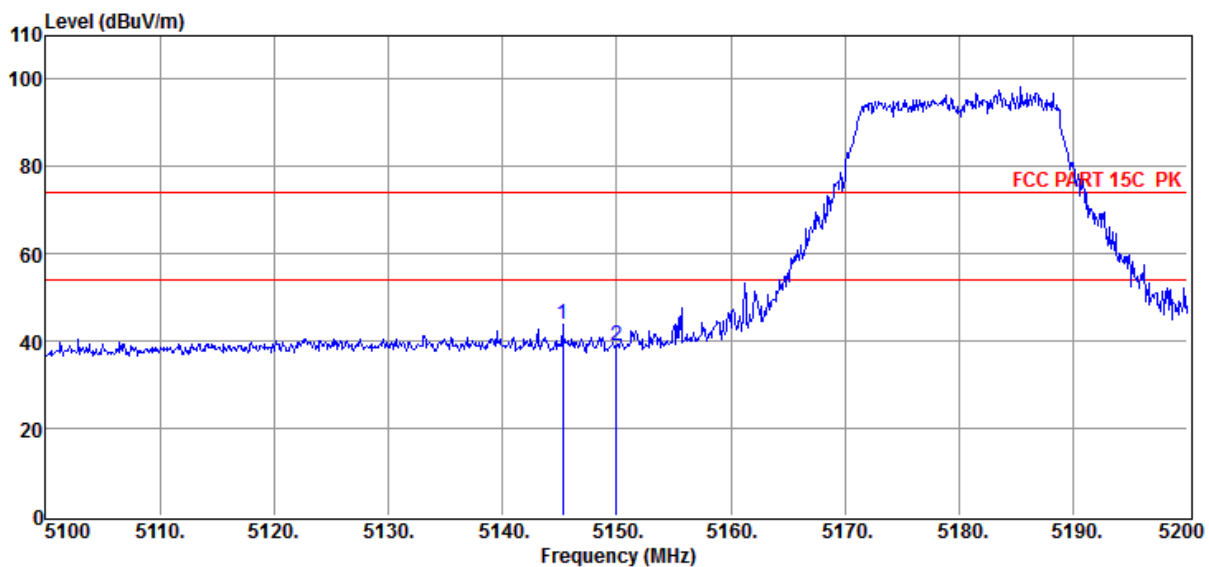
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 ANT1+ANT2 MCS0 5180MHZ

Data: 148



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5145.30	42.15	33.16	-31.64	43.67	74.00	-30.33	Peak	VERTICAL
2	5150.00	37.58	33.17	-31.67	39.08	74.00	-34.92	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-27-2023

Tested By : Sunny

EUT : AI Delivery Robot

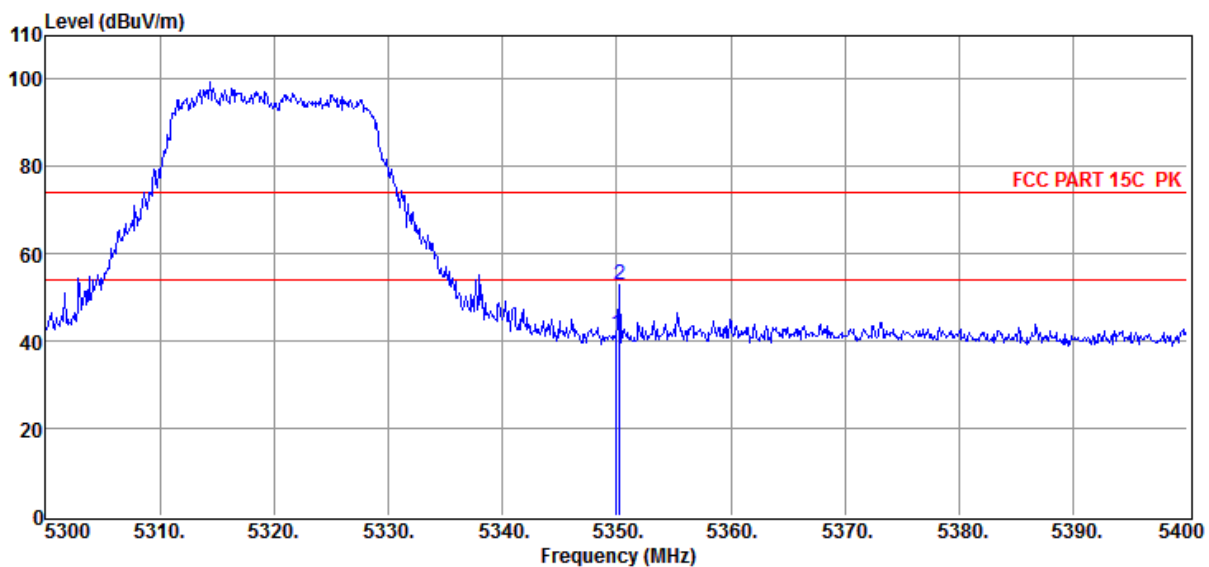
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 ANT1+ANT2 MCS0 5320MHz

Data: 149



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	5350.00	40.01	33.53	-31.85	41.69	74.00	-32.31	Peak	VERTICAL
2	5350.30	51.11	33.53	-31.85	52.79	74.00	-21.21	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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.

4. Margin = Result Level - Limit.