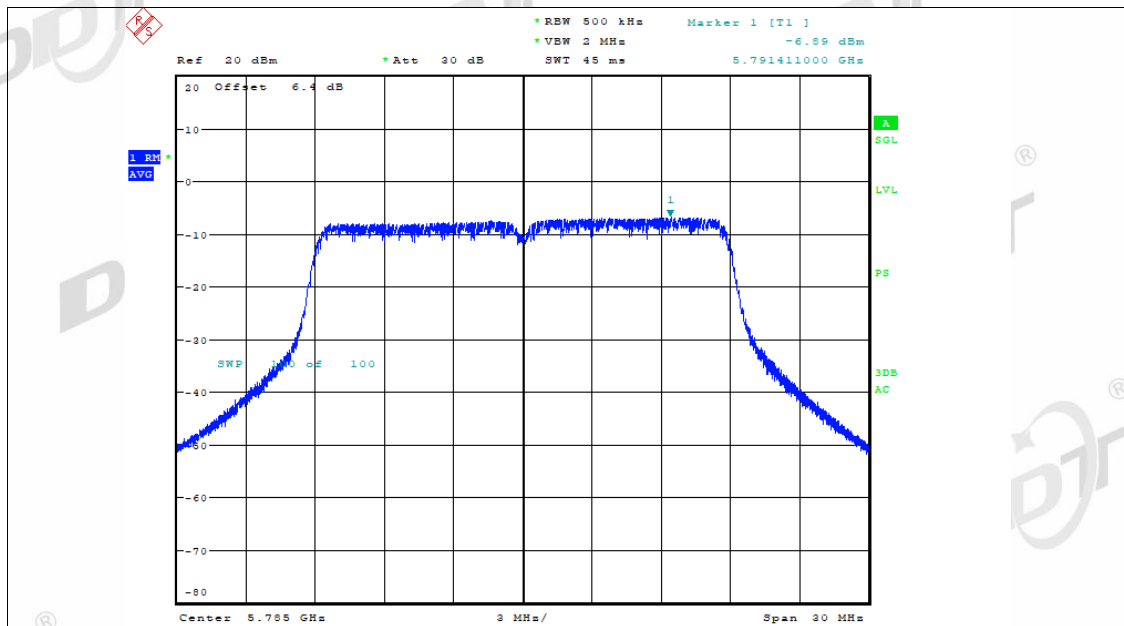
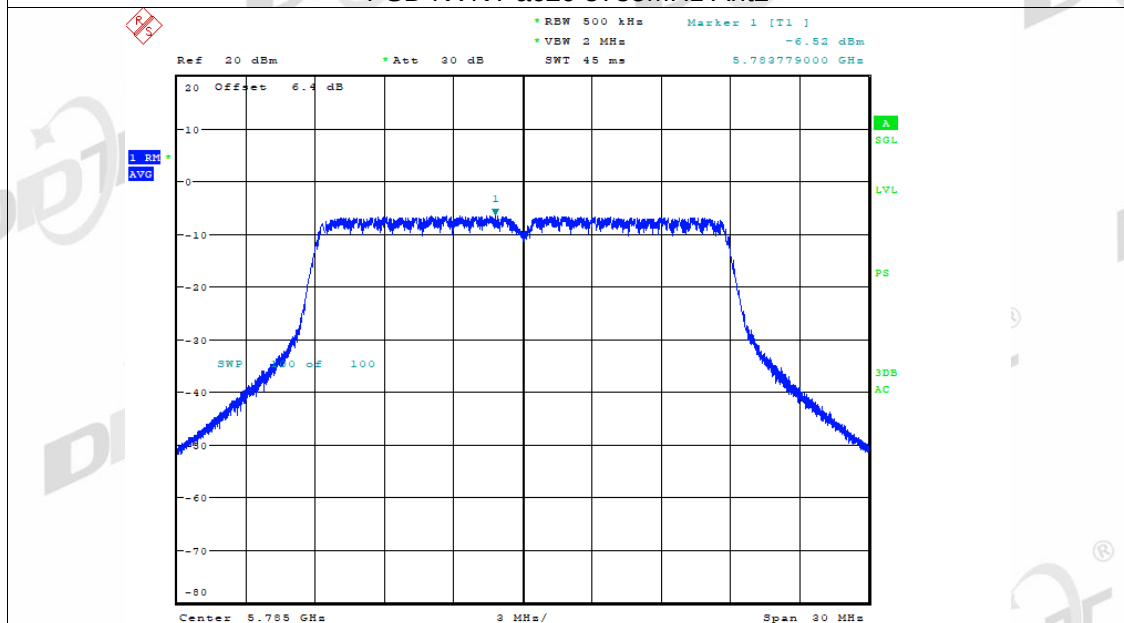




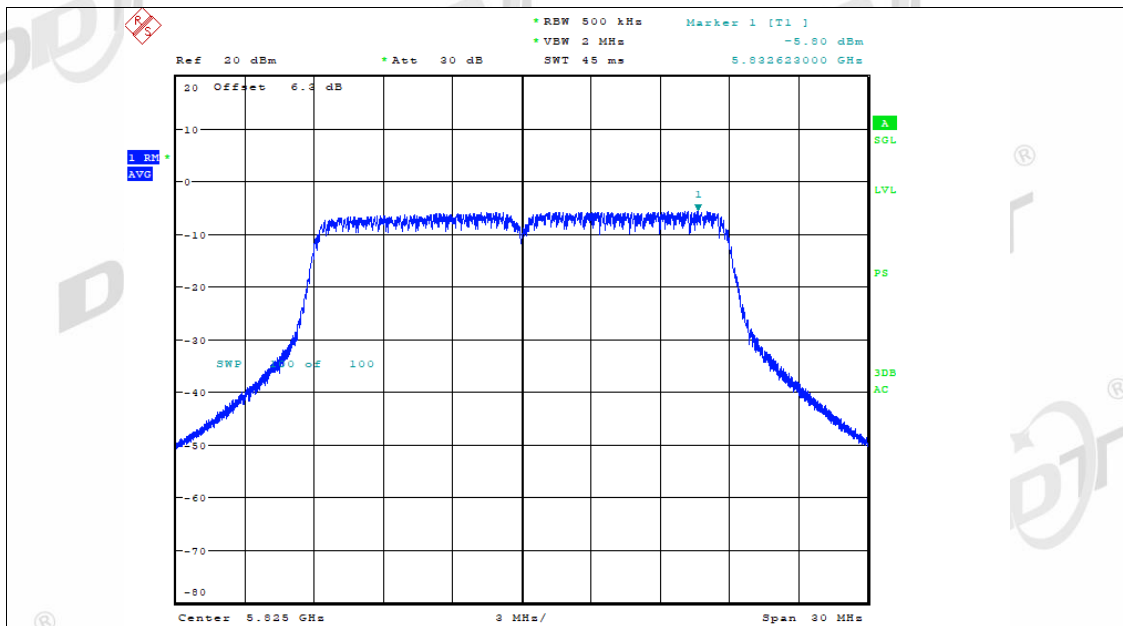
Date: 31.JAN.2023 15:27:25

PSD NVNT ac20 5785MHz Ant2



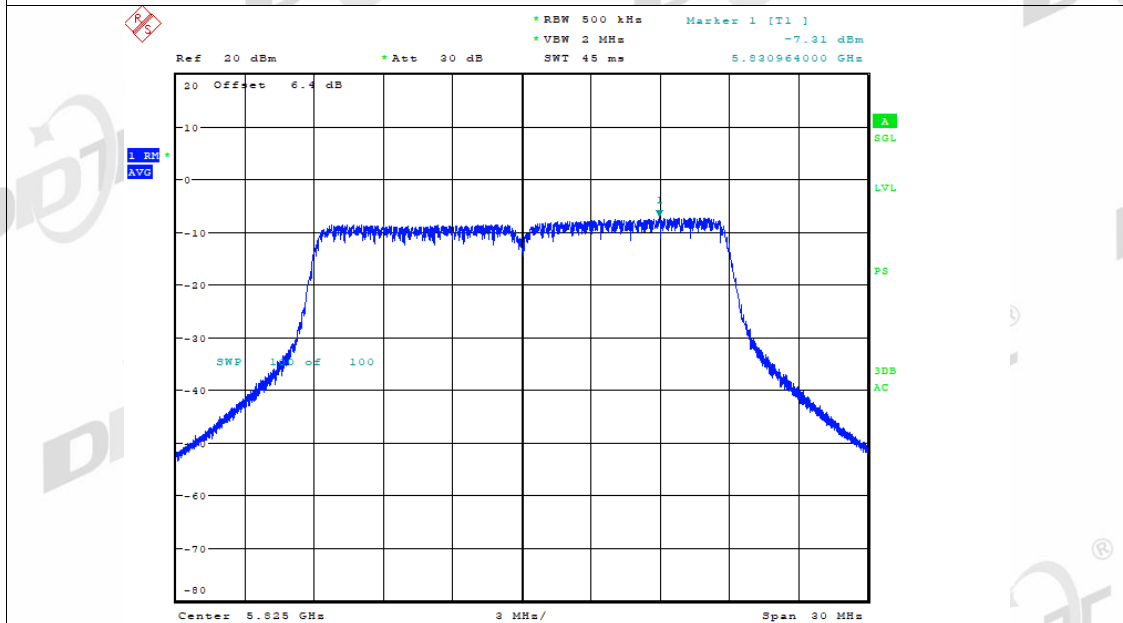
Date: 31.JAN.2023 15:27:45

PSD NVNT ac20 5825MHz Ant1



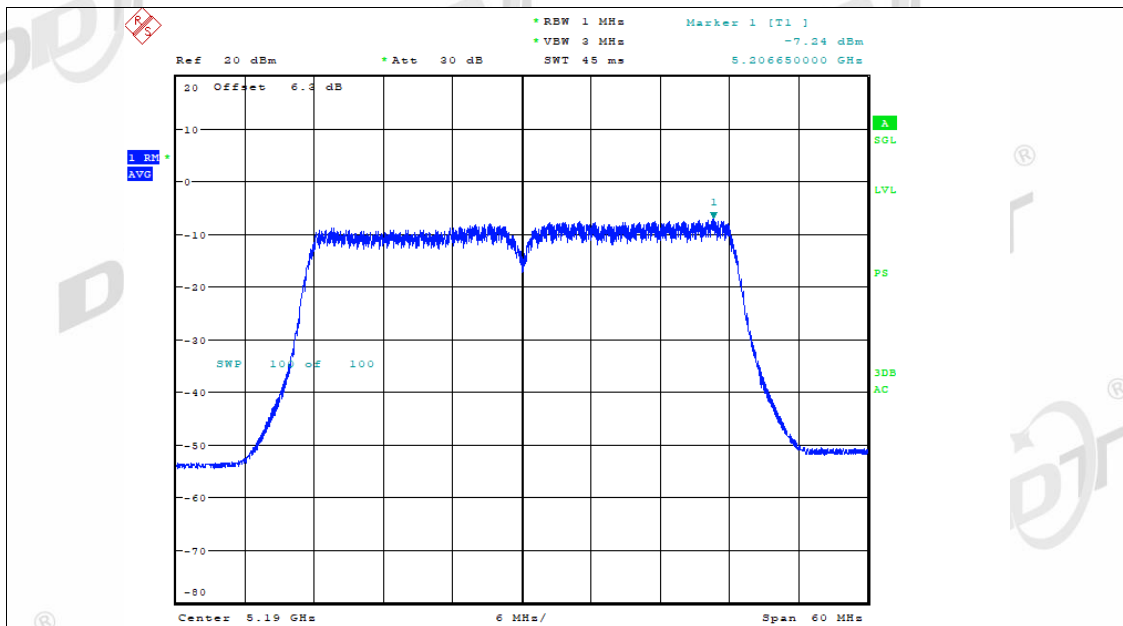
Date: 31.JAN.2023 15:36:15

PSD NVNT ac20 5825MHz Ant2



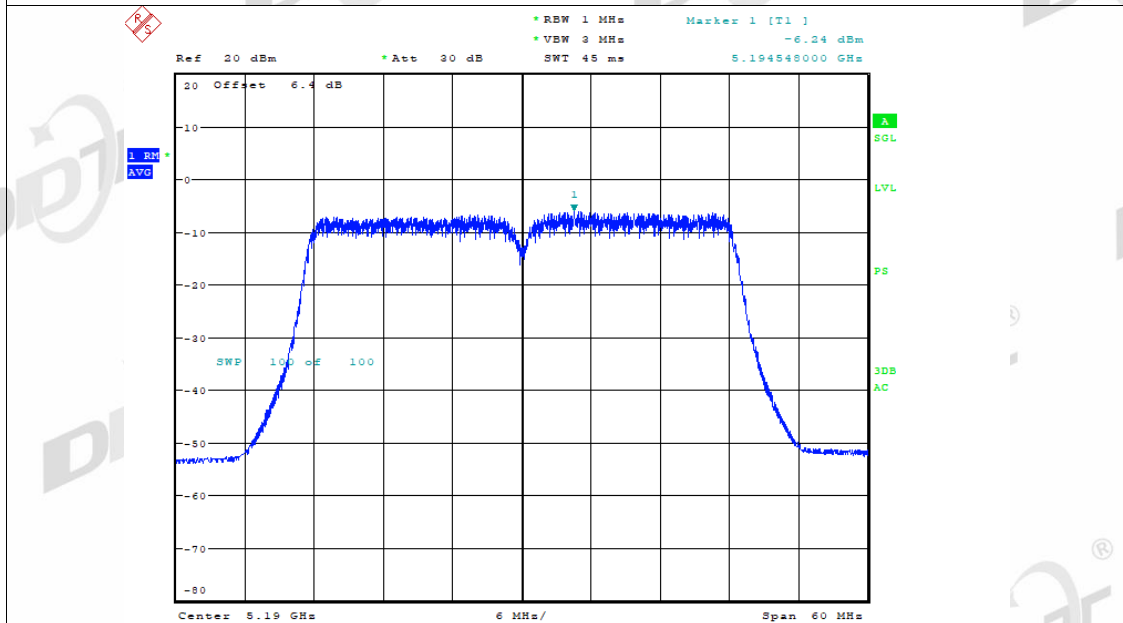
Date: 31.JAN.2023 15:36:34

PSD NVNT ac40 5190MHz Ant1



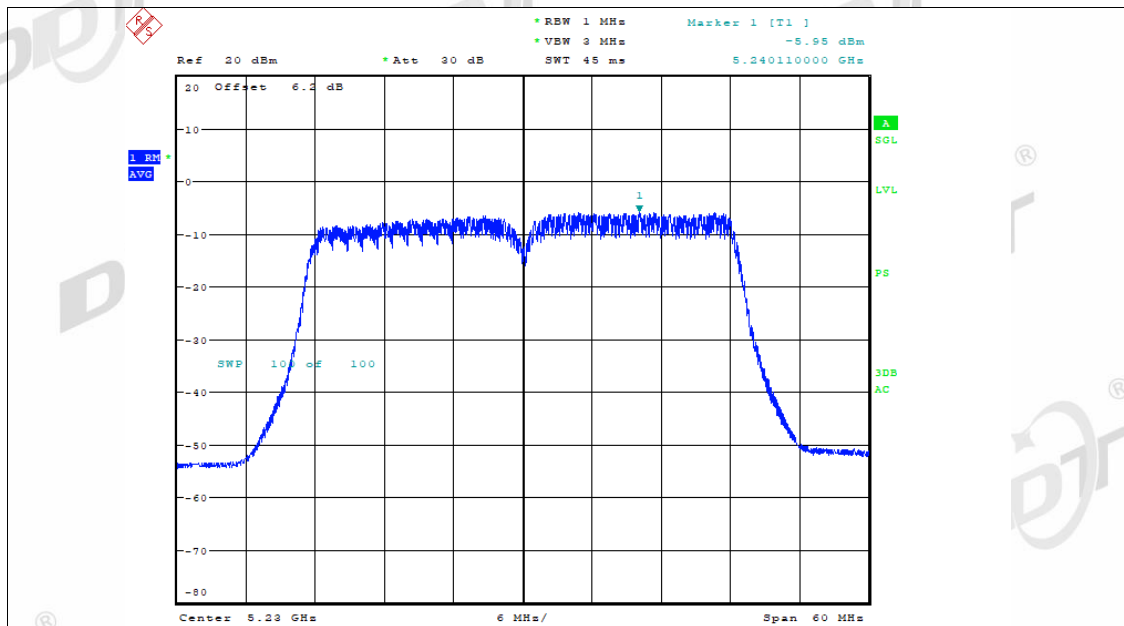
Date: 31.JAN.2023 16:00:39

PSD NVNT ac40 5190MHz Ant2



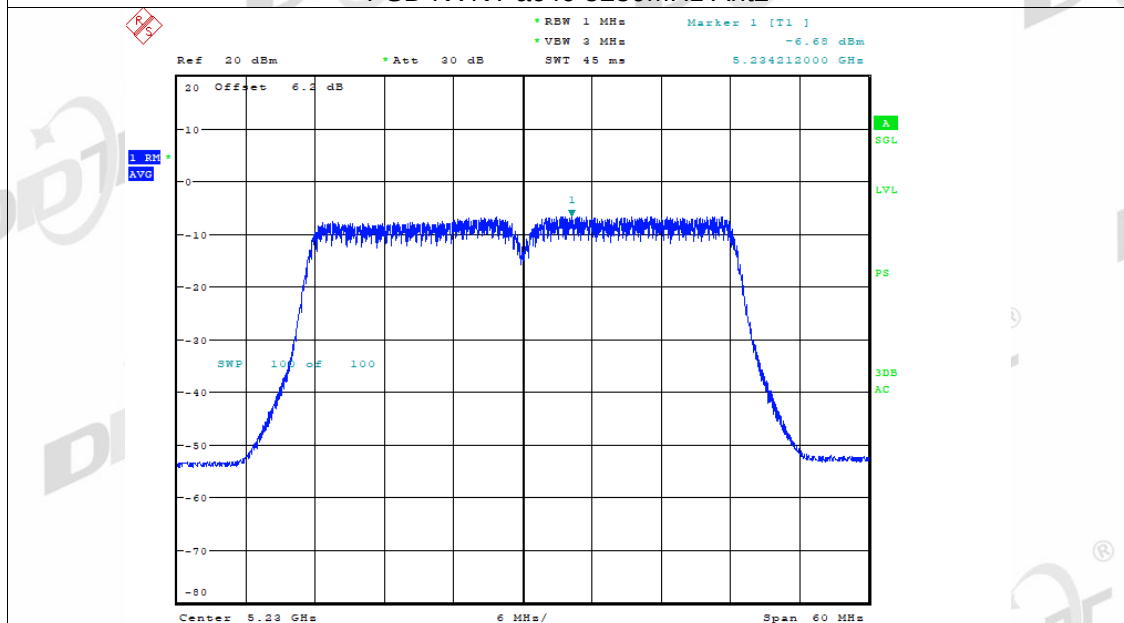
Date: 31.JAN.2023 16:00:58

PSD NVNT ac40 5230MHz Ant1



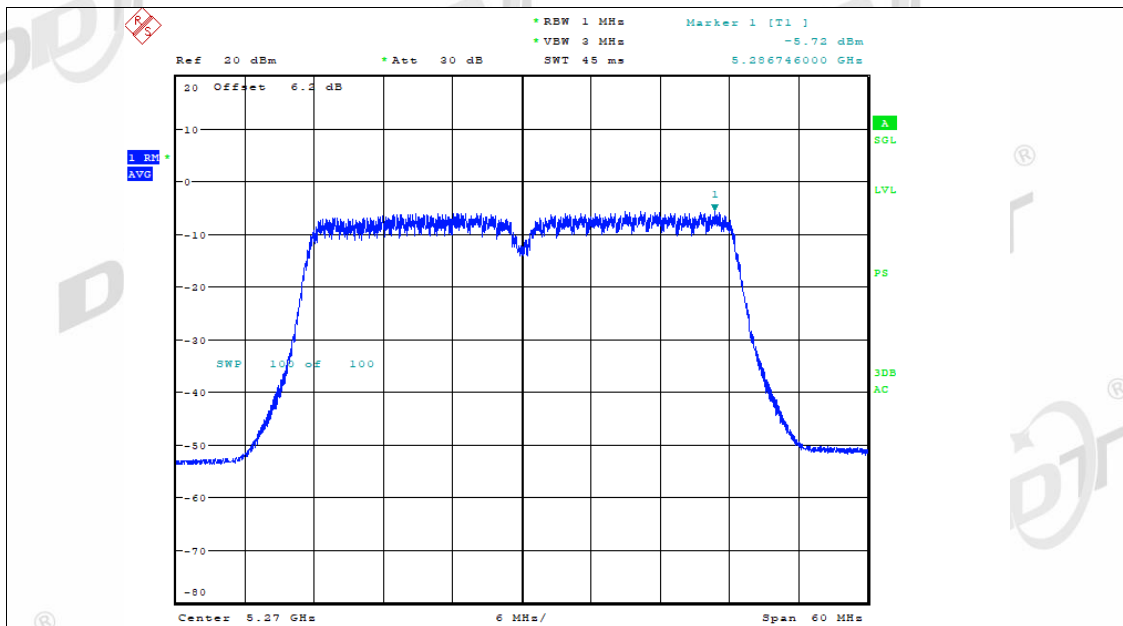
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PSD NVNT ac40 5230MHz Ant2



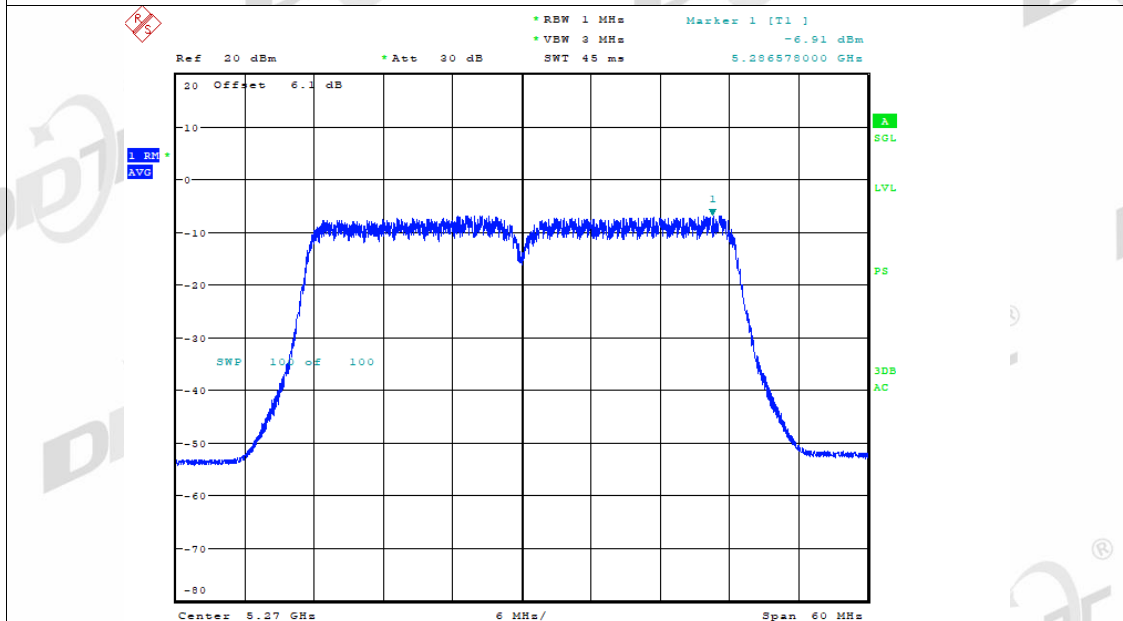
Date: 31.JAN.2023 16:12:40

PSD NVNT ac40 5270MHz Ant1



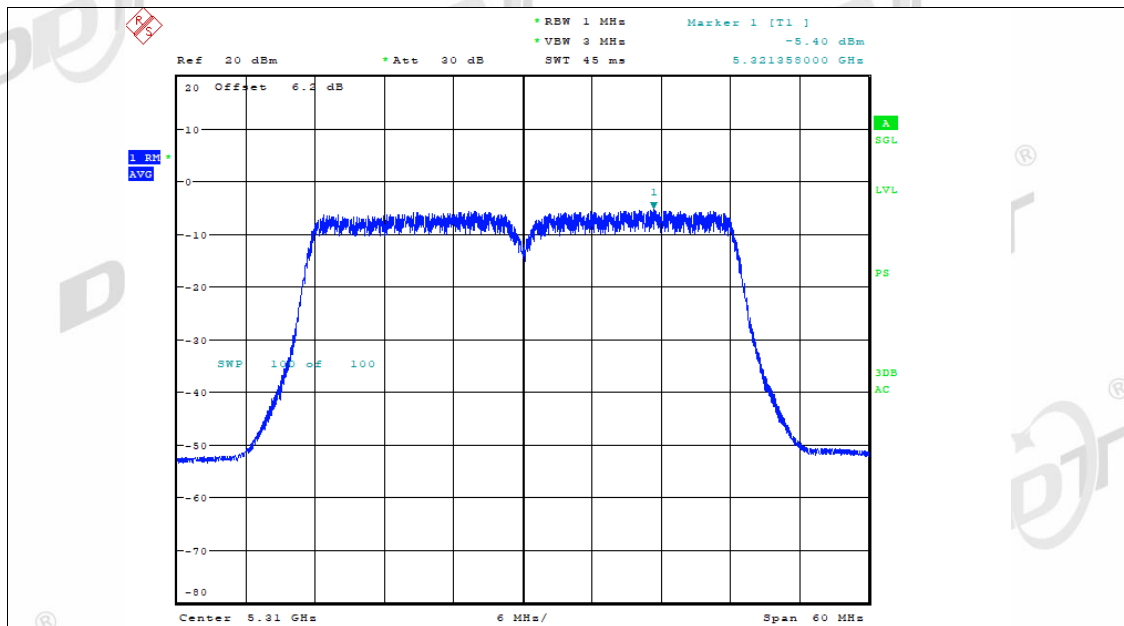
Date: 31.JAN.2023 16:21:31

PSD NVNT ac40 5270MHz Ant2



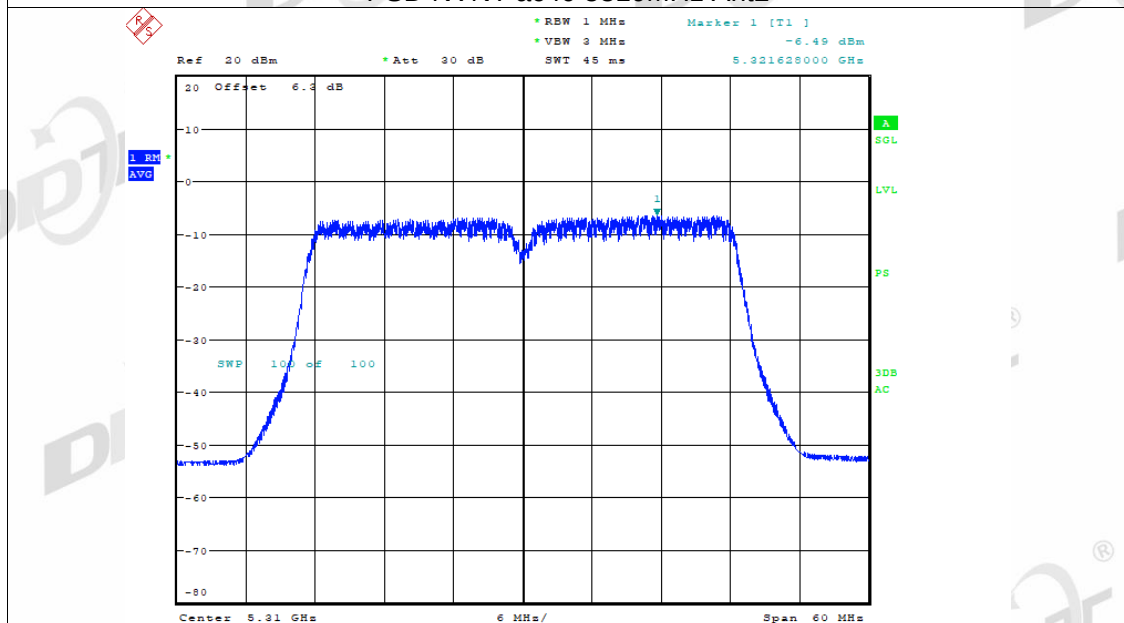
Date: 31.JAN.2023 16:21:50

PSD NVNT ac40 5310MHz Ant1



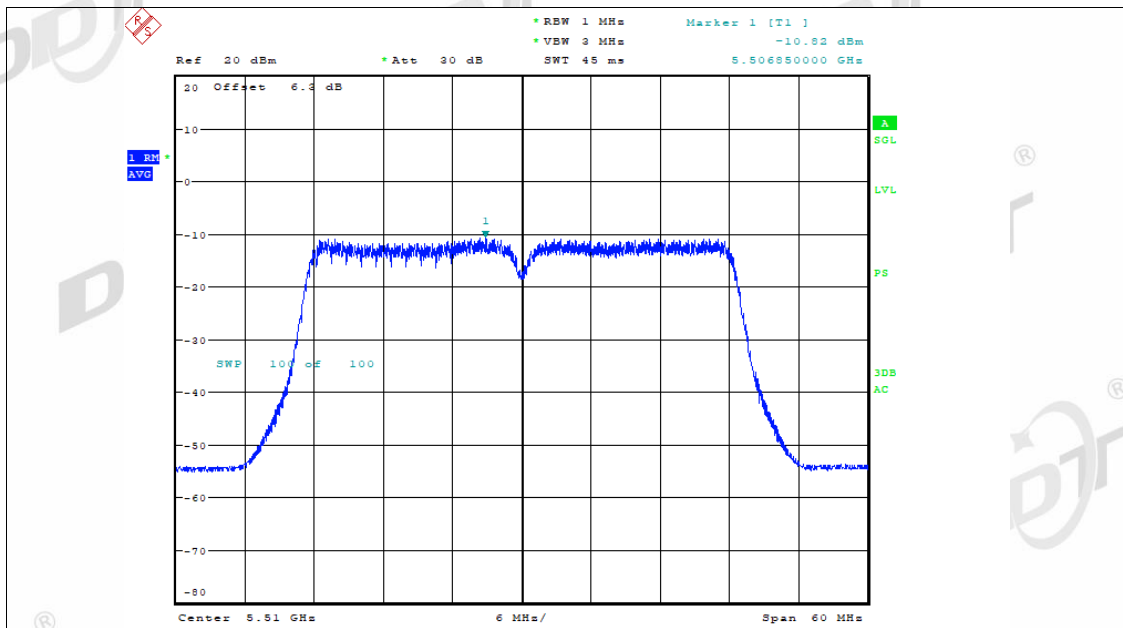
Date: 31.JAN.2023 16:29:51

PSD NVNT ac40 5310MHz Ant2



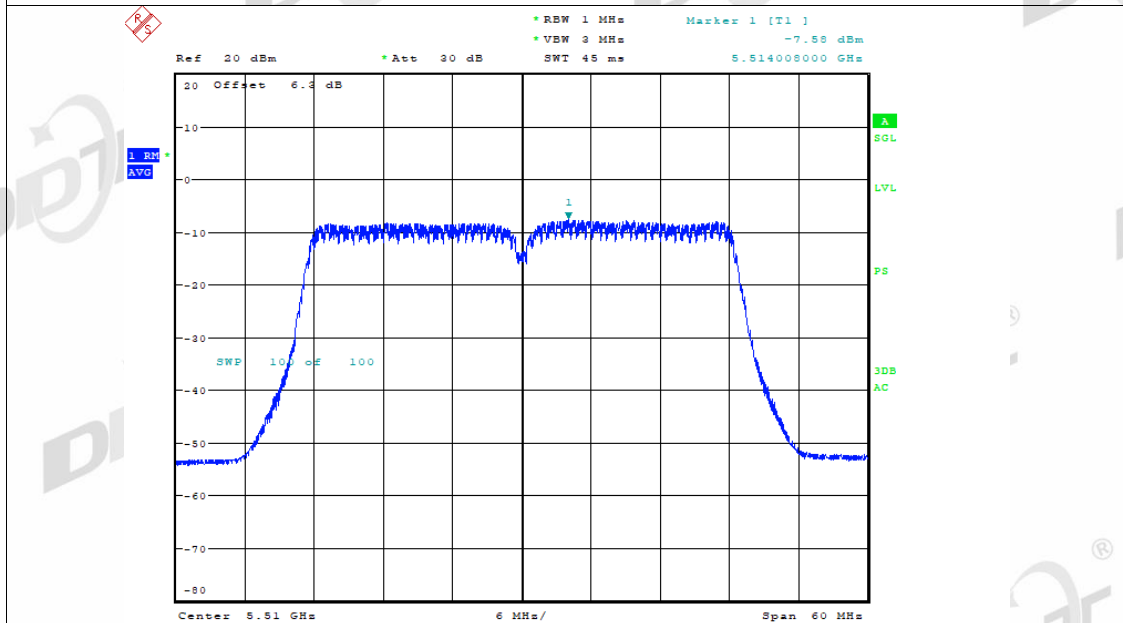
Date: 31.JAN.2023 16:30:09

PSD NVNT ac40 5510MHz Ant1



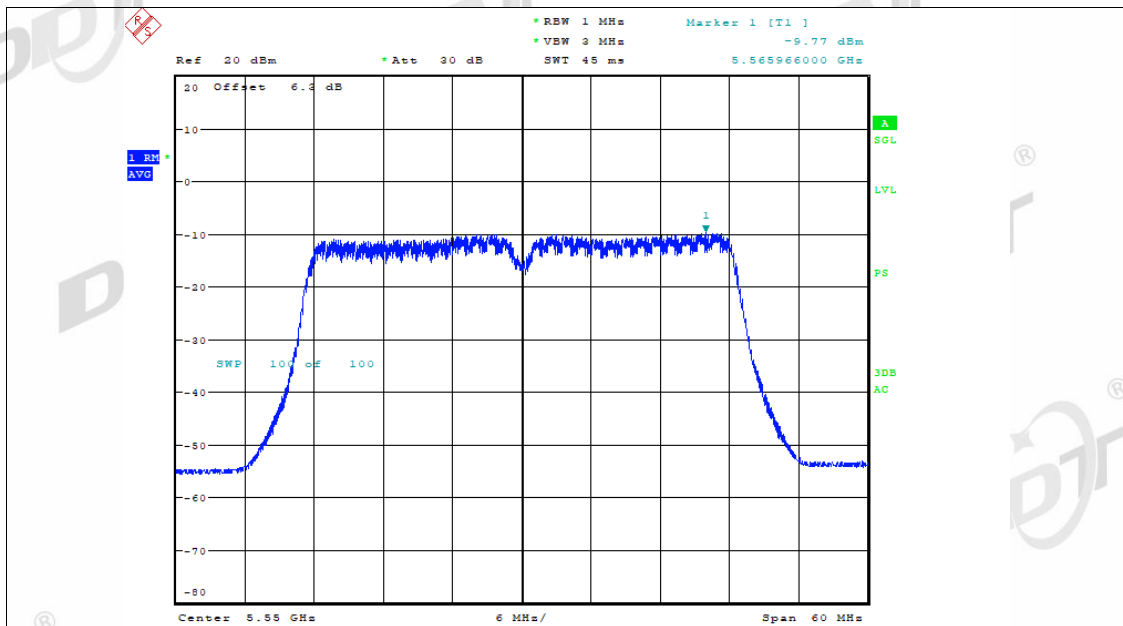
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PSD NVNT ac40 5510MHz Ant2



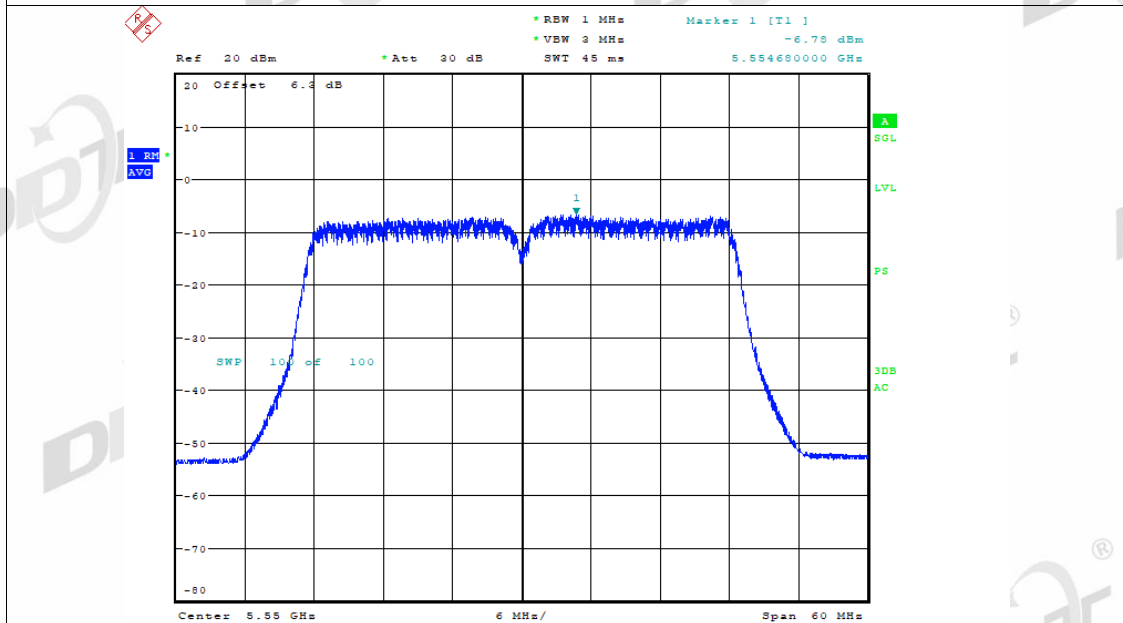
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PSD NVNT ac40 5550MHz Ant1



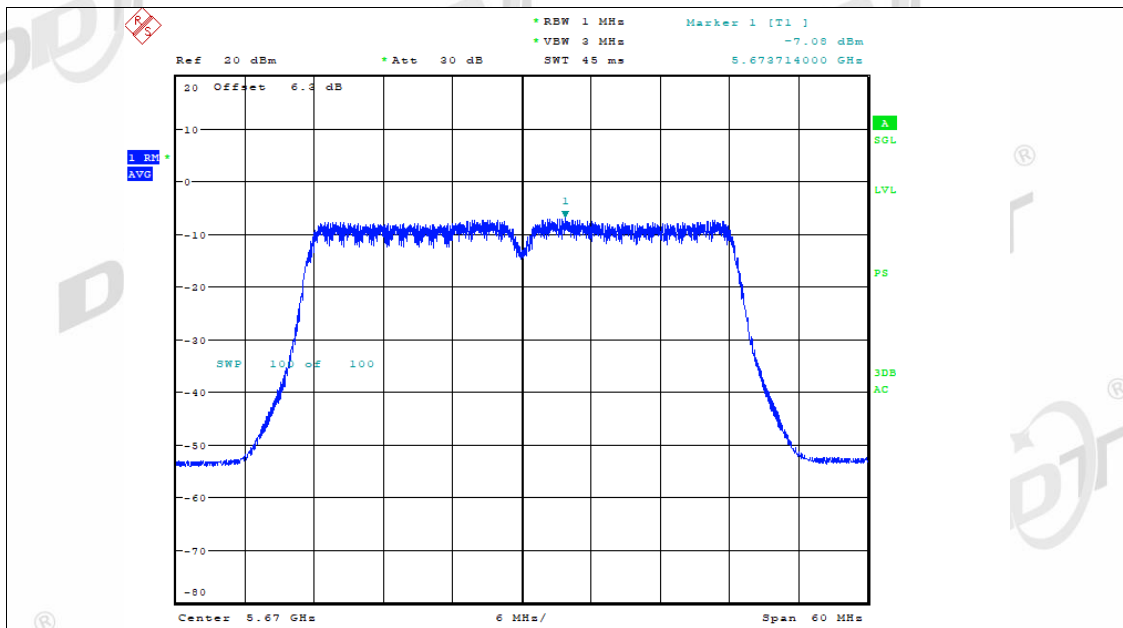
Date: 31.JAN.2023 16:43:53

PSD NVNT ac40 5550MHz Ant2



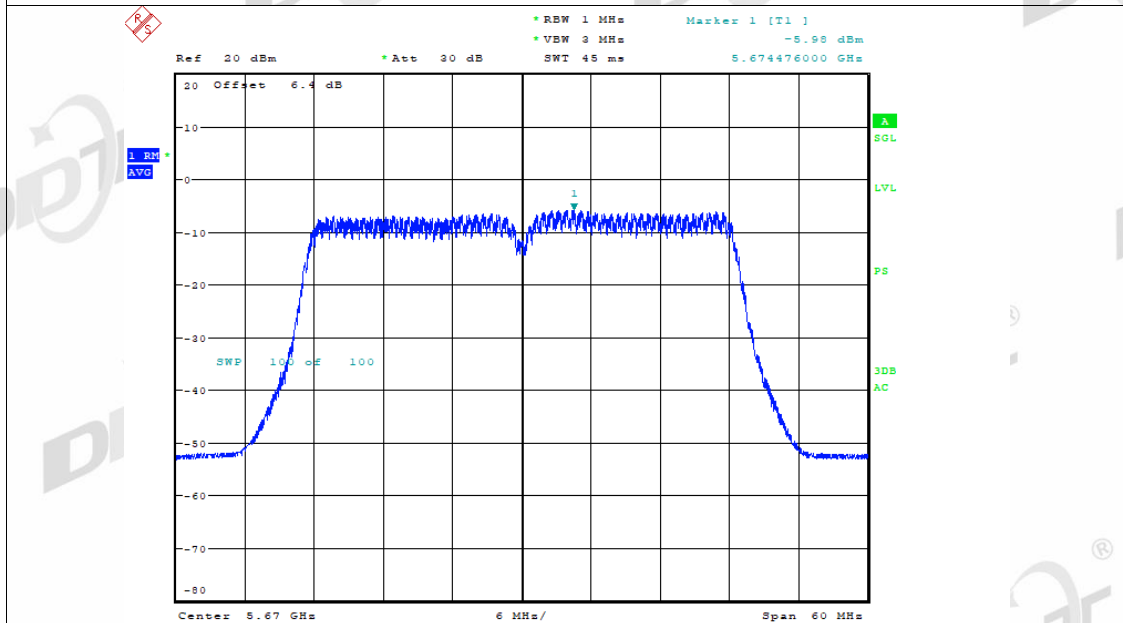
Date: 31.JAN.2023 16:44:11

PSD NVNT ac40 5670MHz Ant1



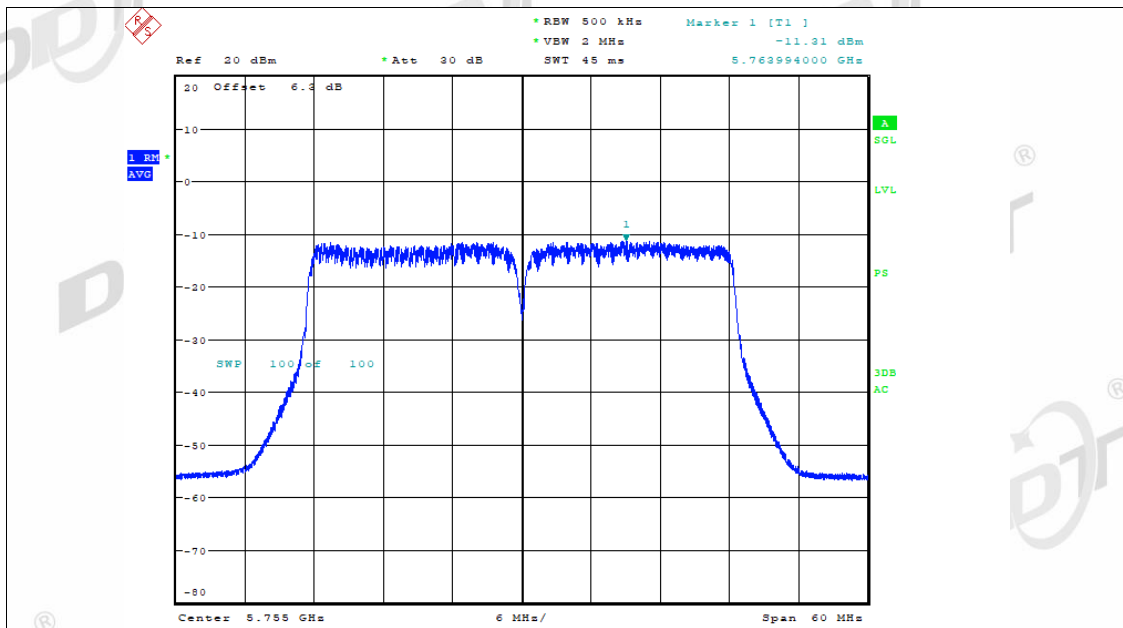
Date: 31.JAN.2023 16:51:16

PSD NVNT ac40 5670MHz Ant2



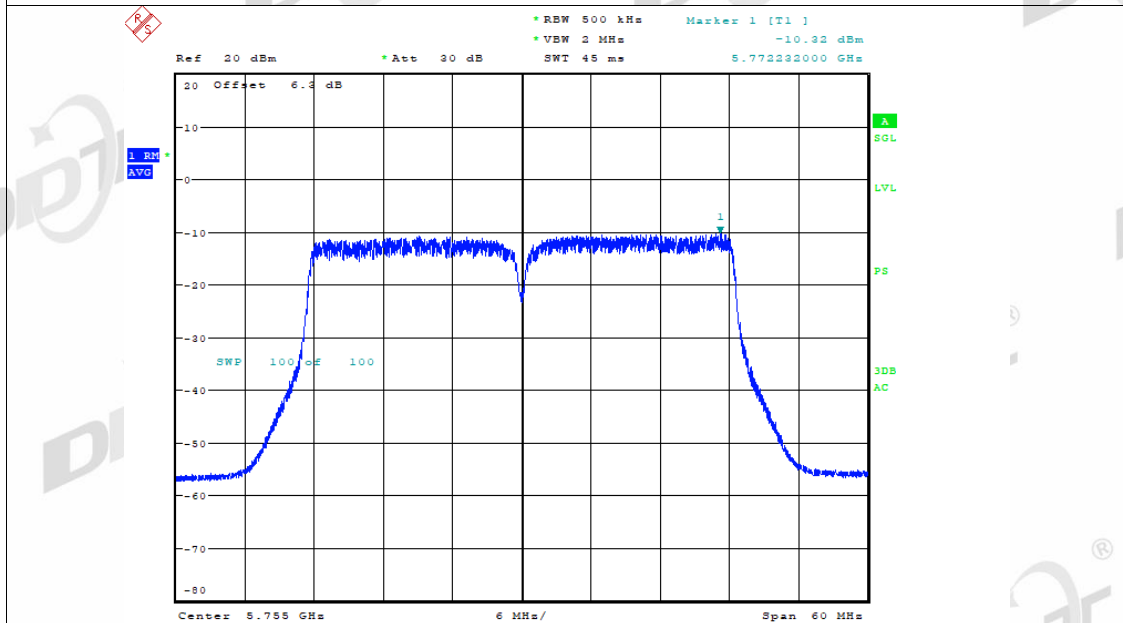
Date: 31.JAN.2023 16:51:35

PSD NVNT ac40 5755MHz Ant1



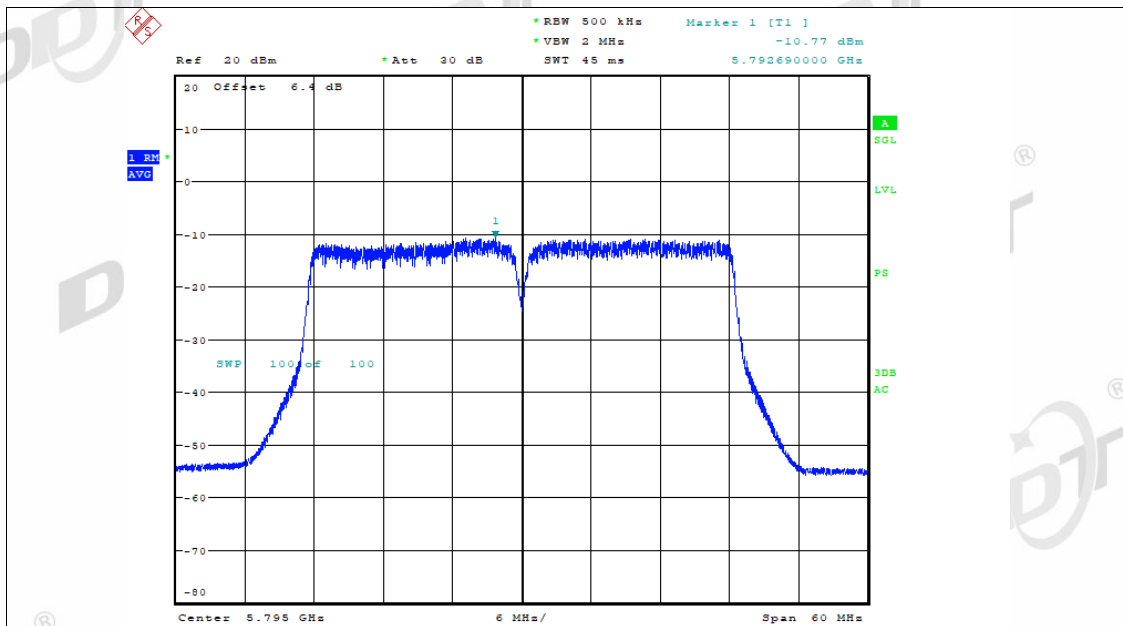
Date: 31.JAN.2023 16:58:04

PSD NVNT ac40 5755MHz Ant2



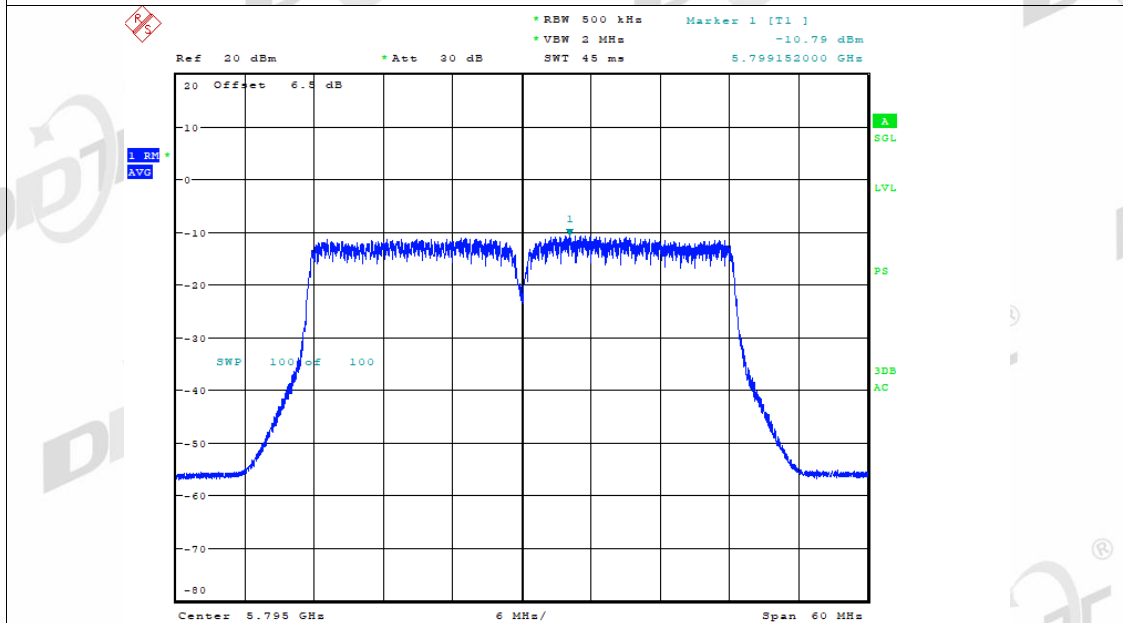
Date: 31.JAN.2023 16:58:23

PSD NVNT ac40 5795MHz Ant1



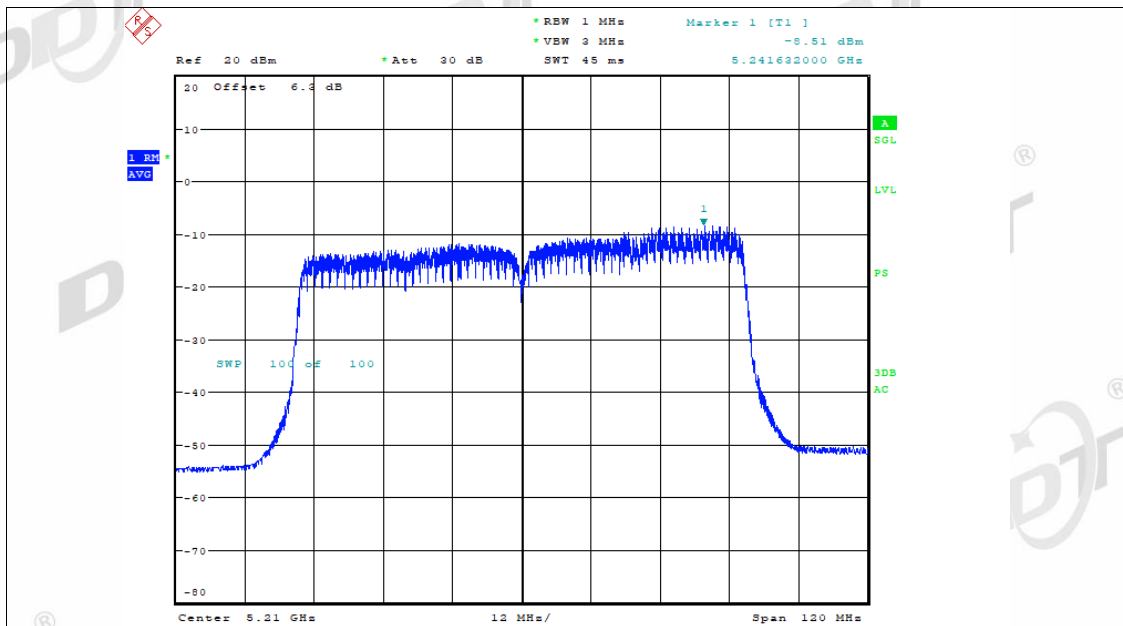
Date: 31.JAN.2023 17:05:25

PSD NVNT ac40 5795MHz Ant2



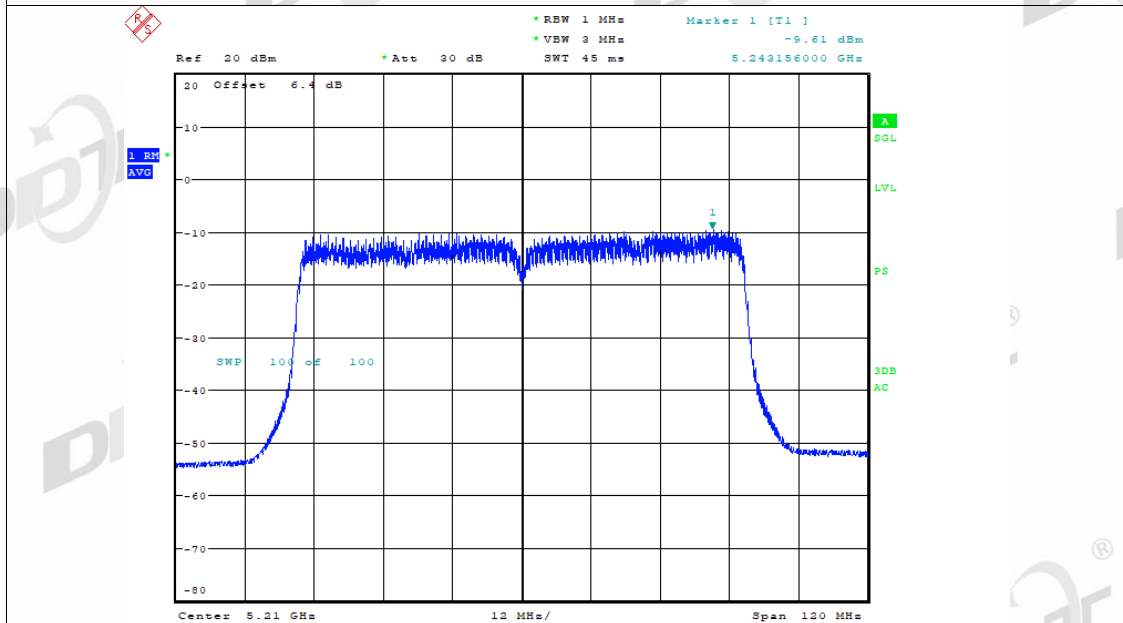
Date: 31.JAN.2023 17:05:45

PSD NVNT ac80 5210MHz Ant1



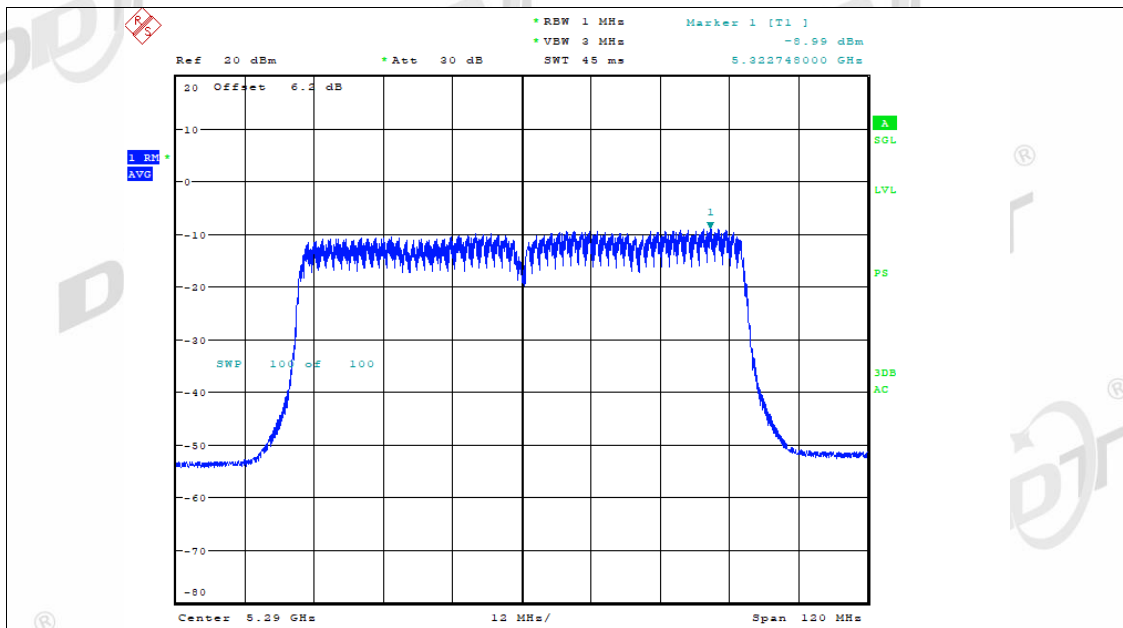
Date: 31.JAN.2023 17:13:52

PSD NVNT ac80 5210MHz Ant2



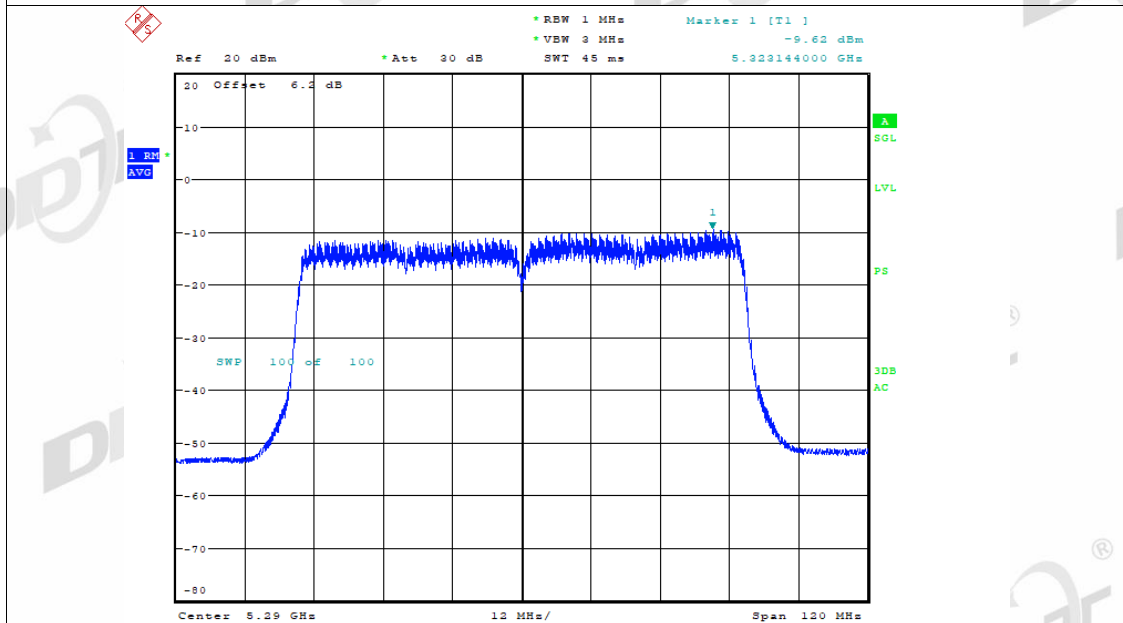
Date: 31.JAN.2023 17:14:14

PSD NVNT ac80 5290MHz Ant1



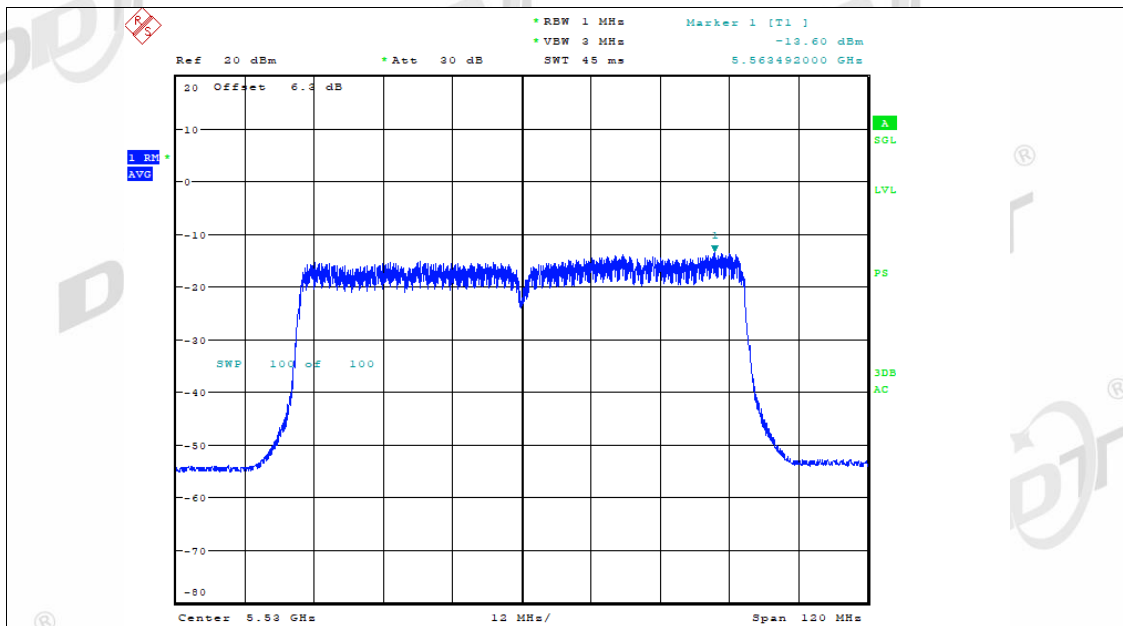
Date: 31.JAN.2023 17:25:15

PSD NVNT ac80 5290MHz Ant2



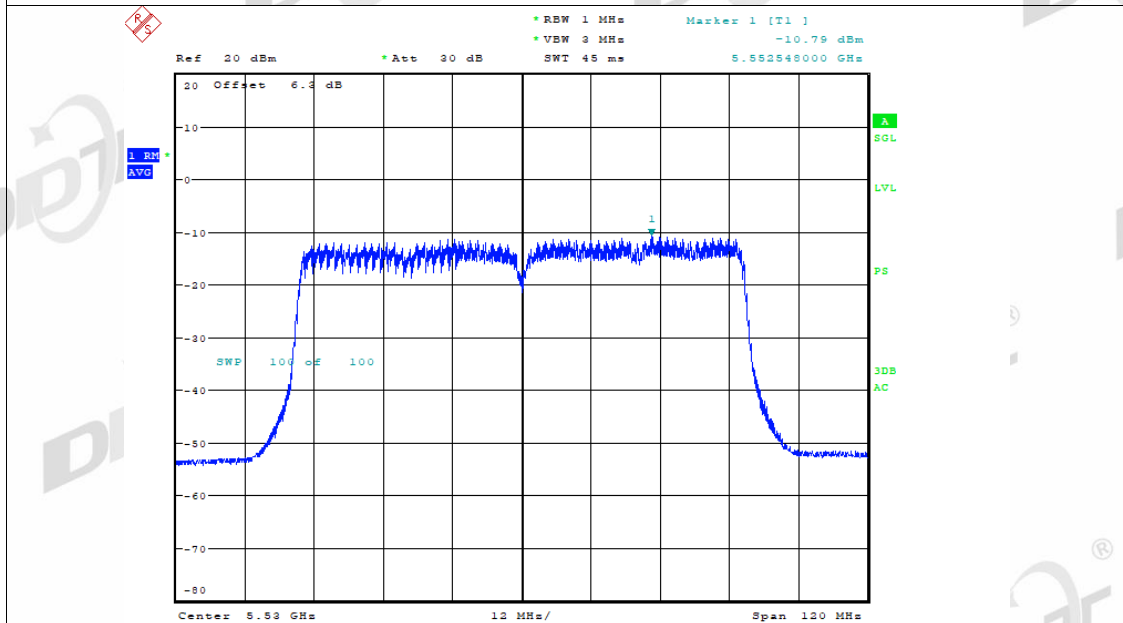
Date: 31.JAN.2023 17:25:37

PSD NVNT ac80 5530MHz Ant1



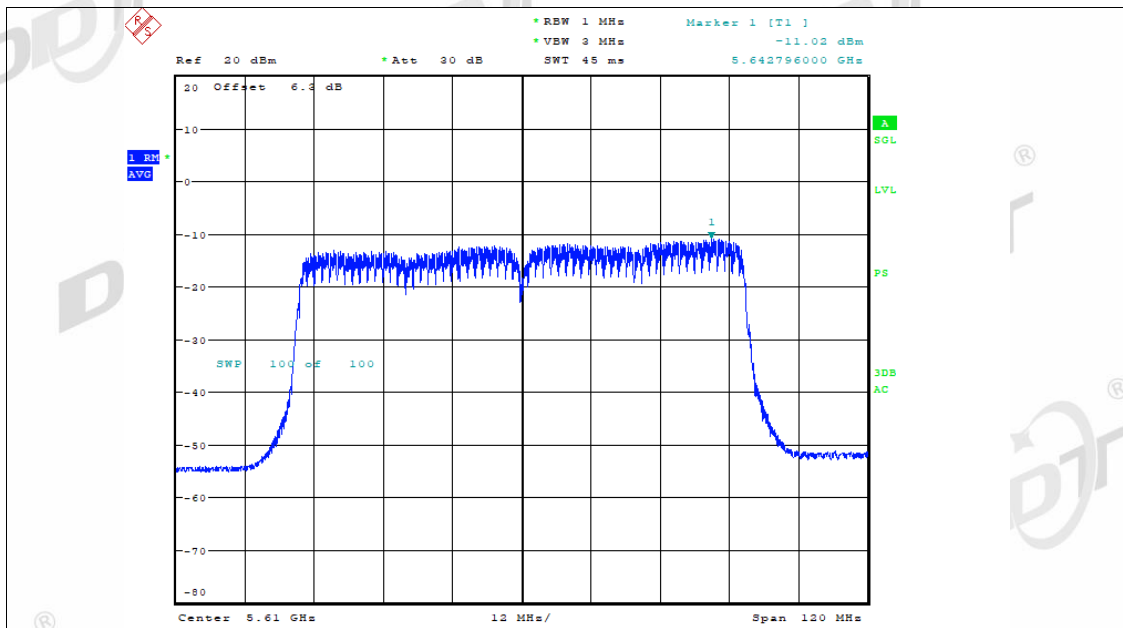
Date: 31.JAN.2023 17:36:40

PSD NVNT ac80 5530MHz Ant2

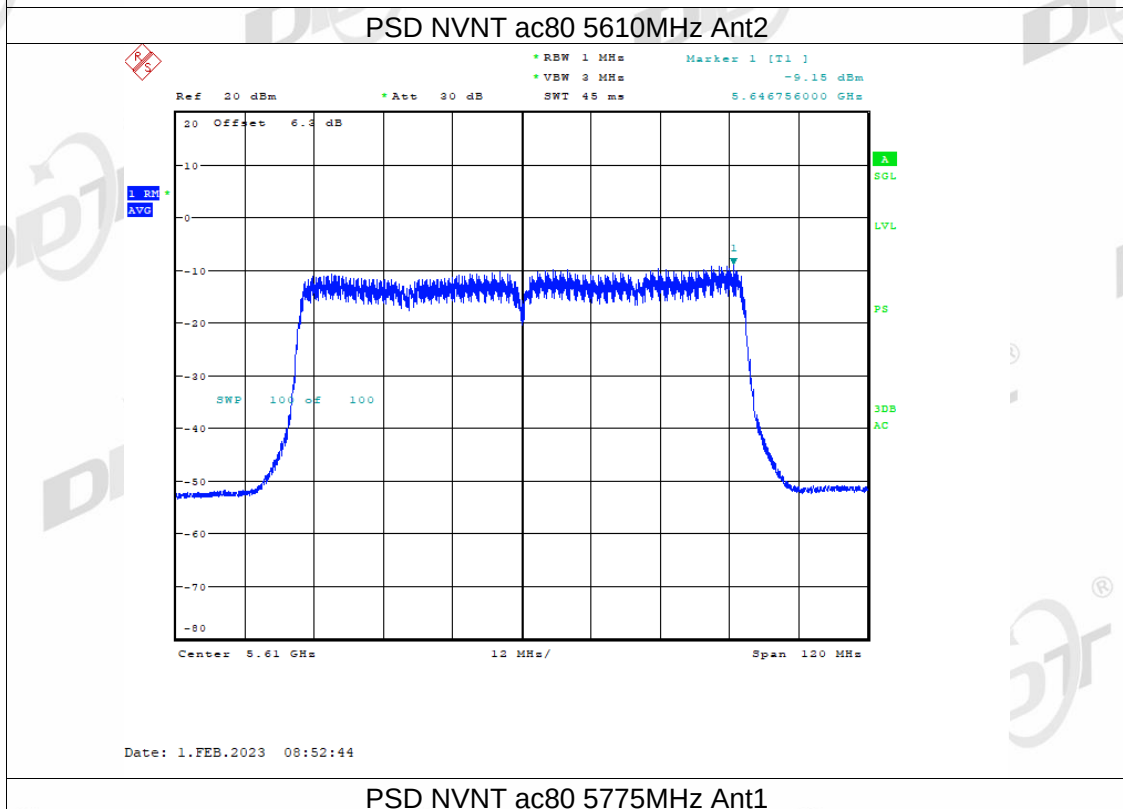


Date: 31.JAN.2023 17:37:03

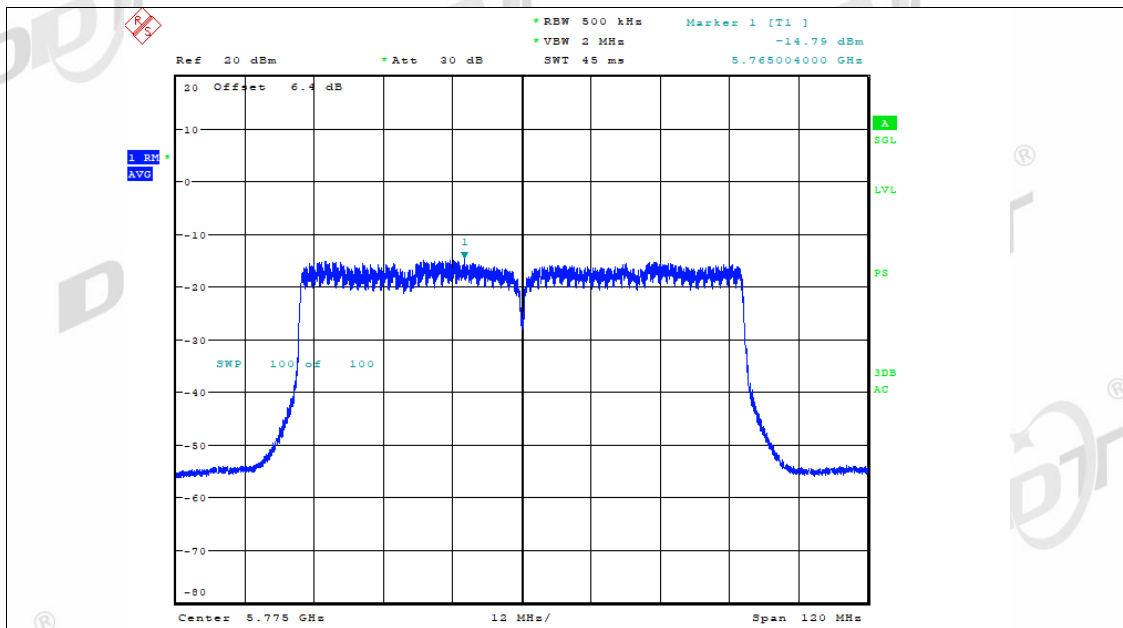
PSD NVNT ac80 5610MHz Ant1



Date: 1.FEB.2023 08:52:21

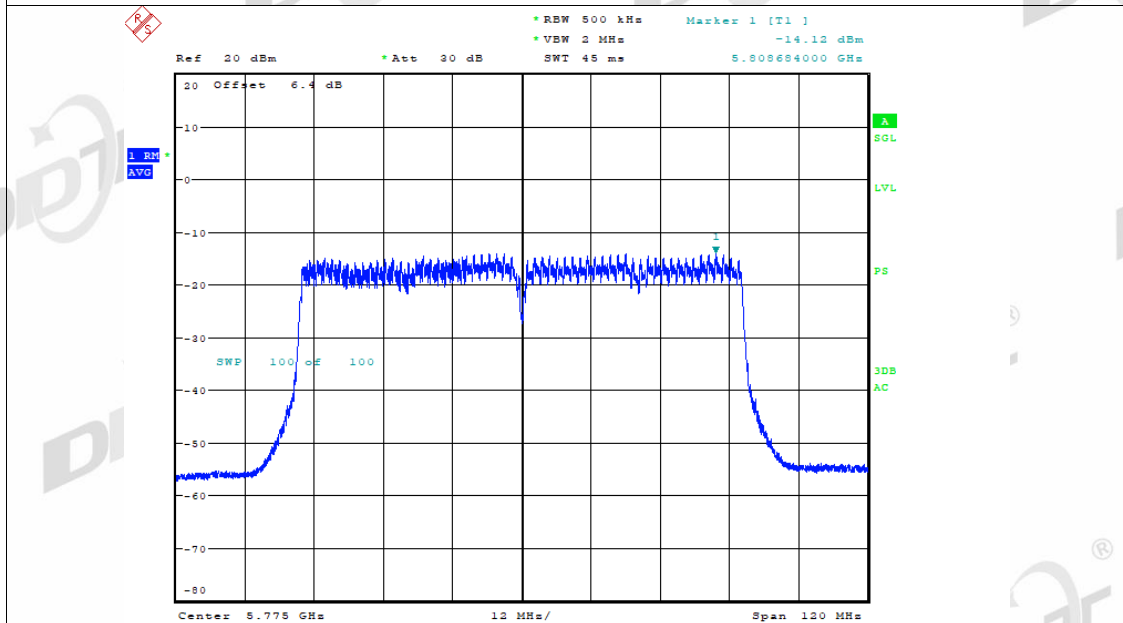


Date: 1.FEB.2023 08:52:44



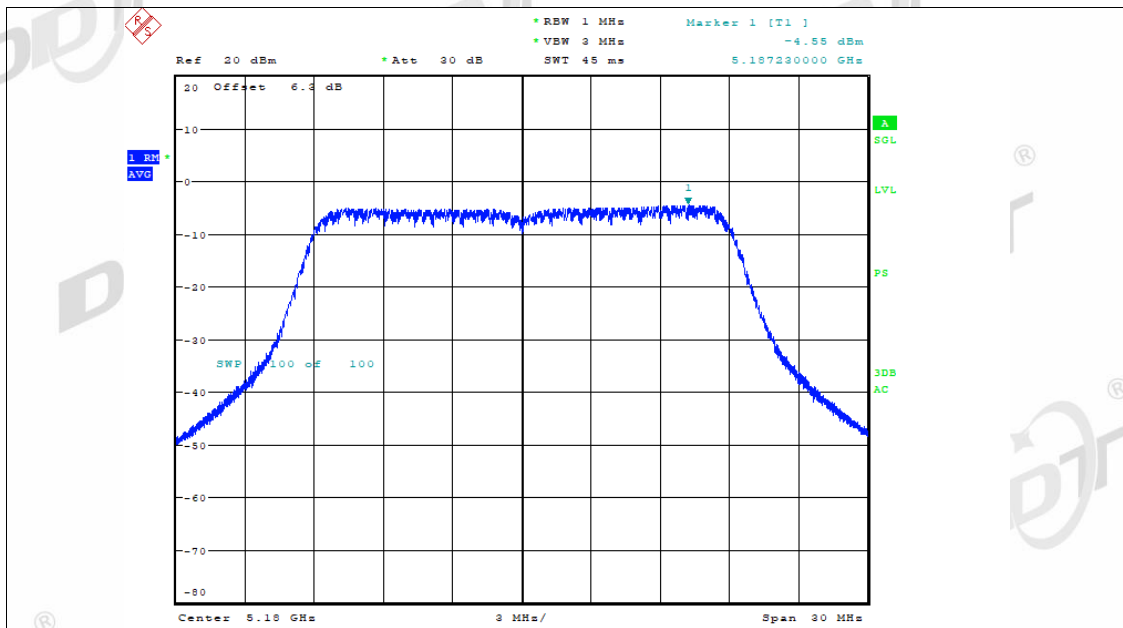
Date: 1.FEB.2023 09:04:26

PSD NVNT ac80 5775MHz Ant2



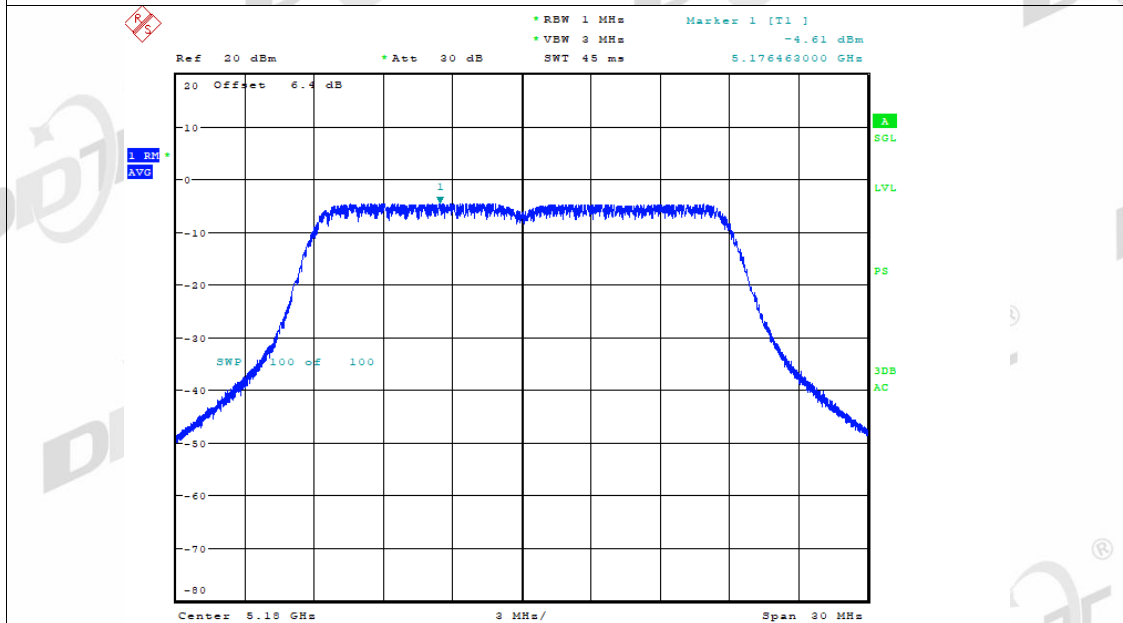
Date: 1.FEB.2023 09:04:49

PSD NVNT n20 5180MHz Ant1



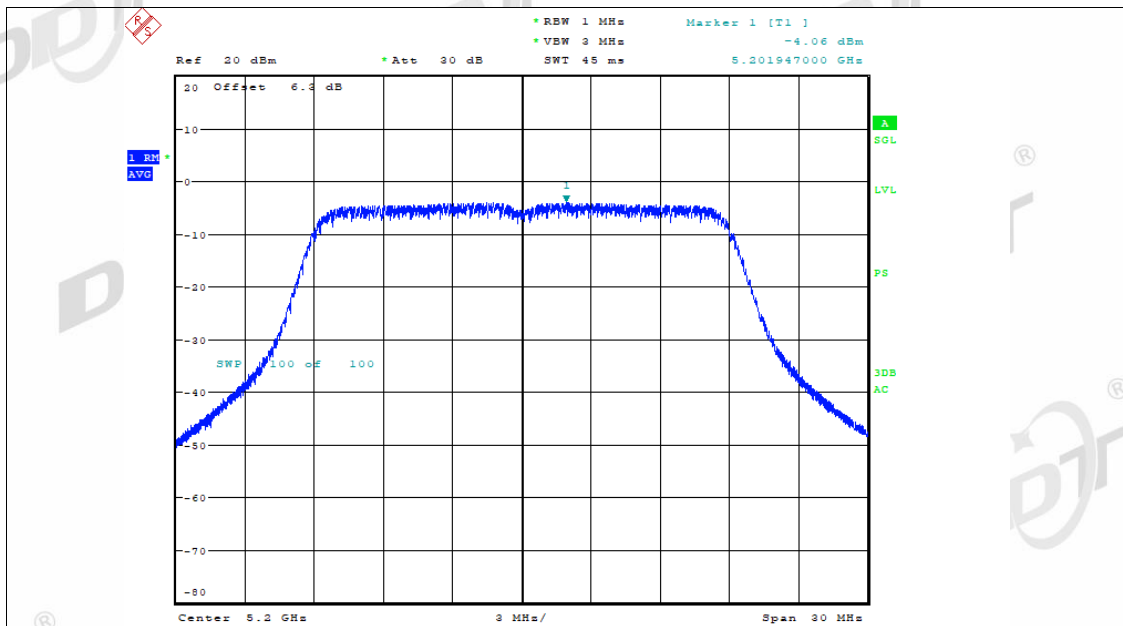
Date: 17.JAN.2023 09:10:49

PSD NVNT n20 5180MHz Ant2

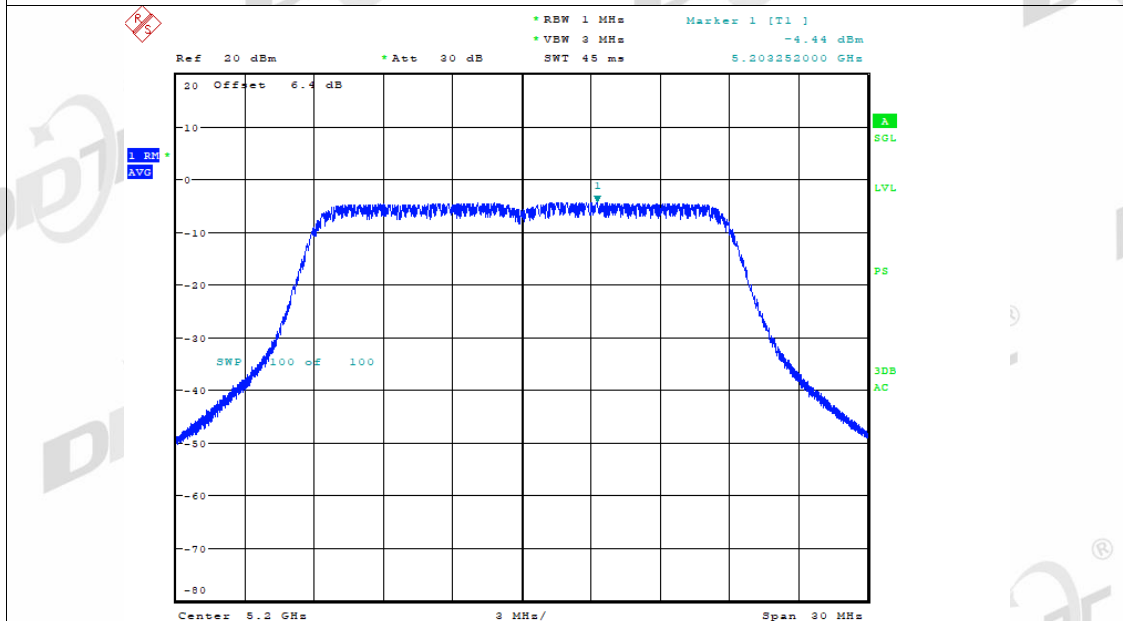


Date: 17.JAN.2023 09:11:08

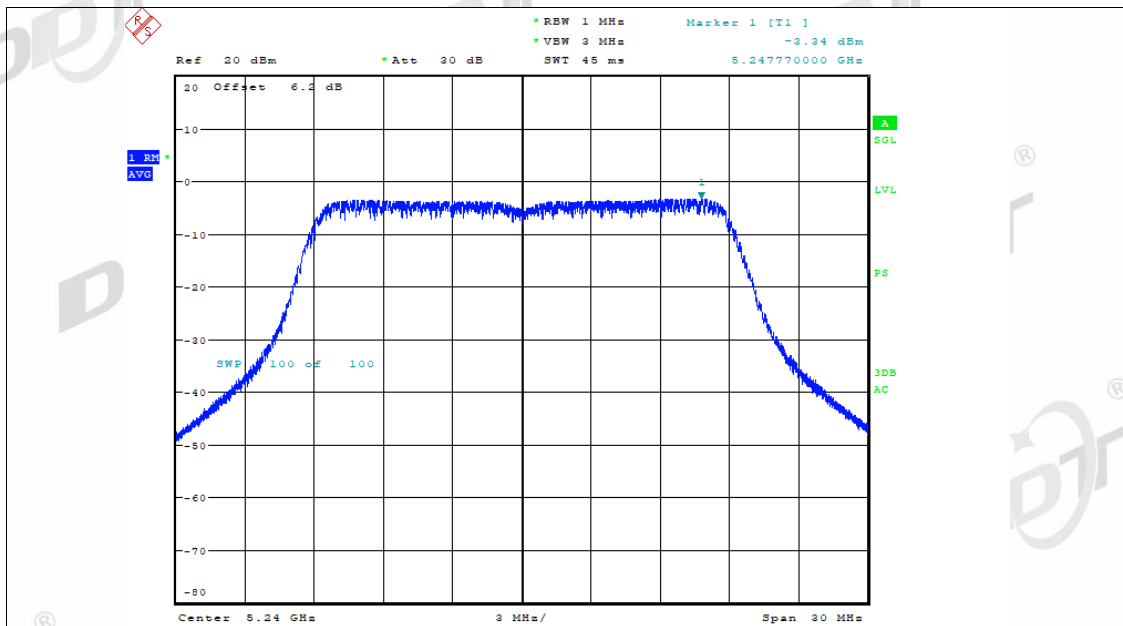
PSD NVNT n20 5200MHz Ant1



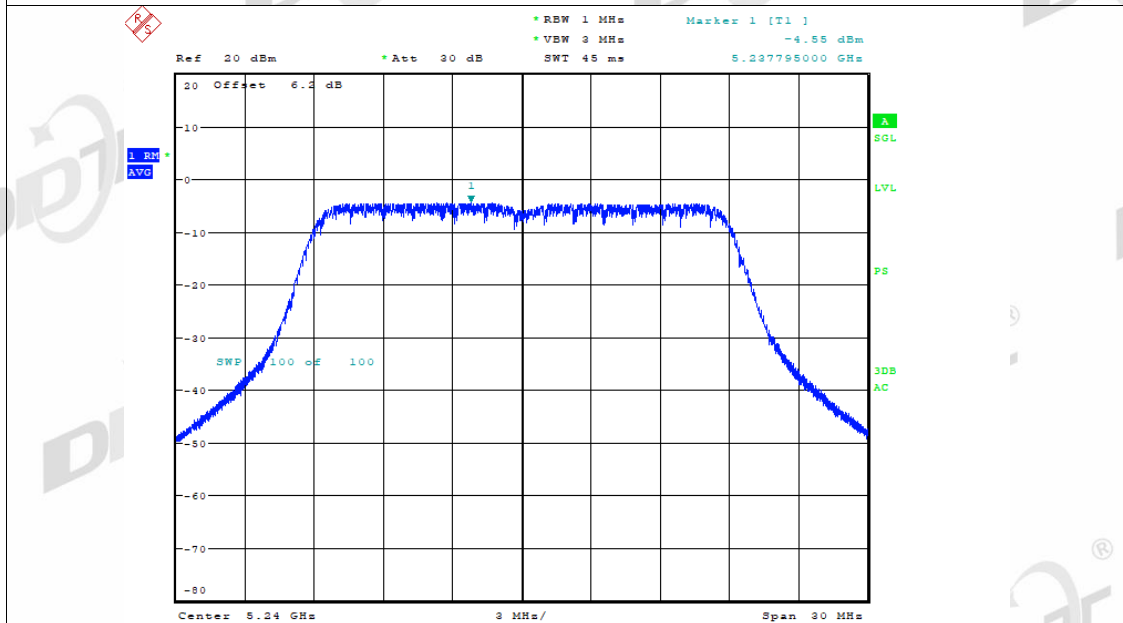
PSD NVNT n20 5200MHz Ant2



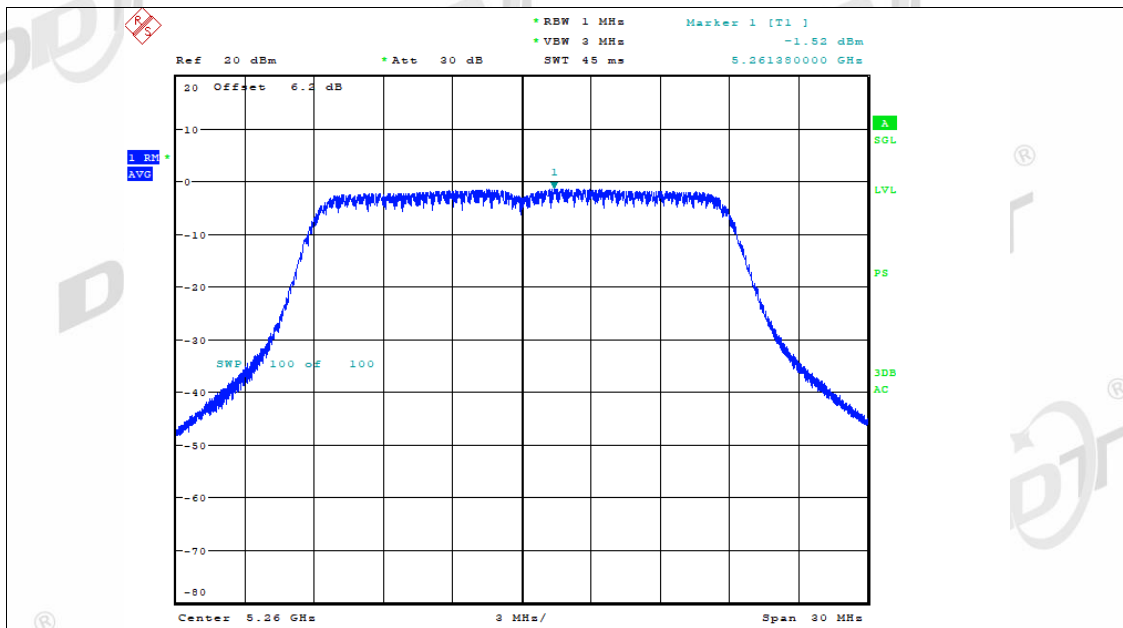
PSD NVNT n20 5240MHz Ant1



PSD NVNT n20 5240MHz Ant2

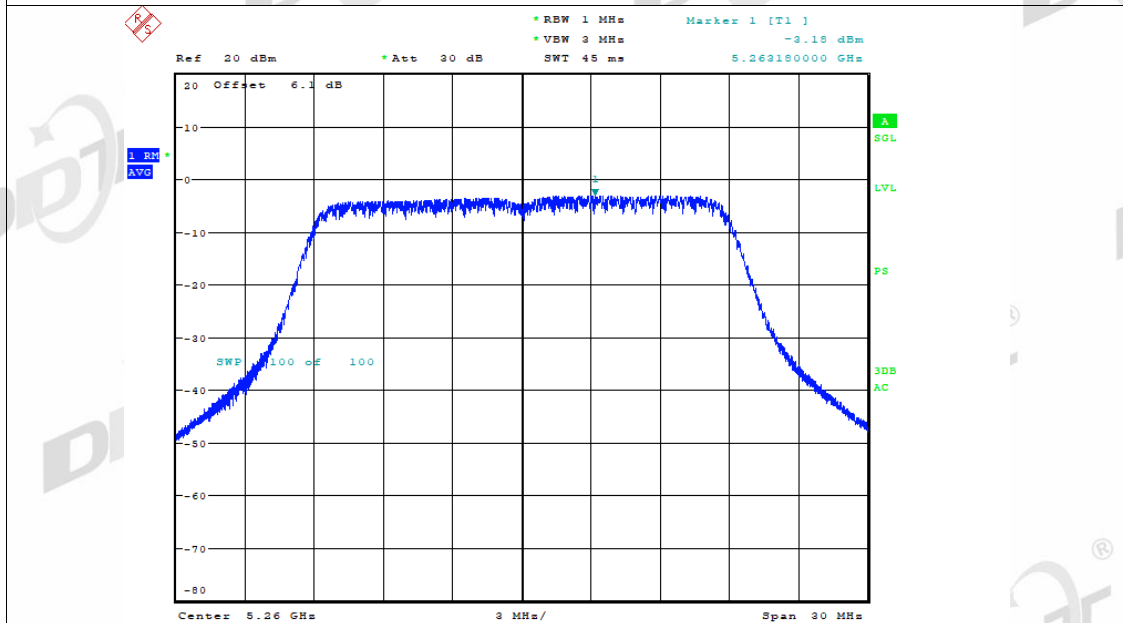


PSD NVNT n20 5260MHz Ant1



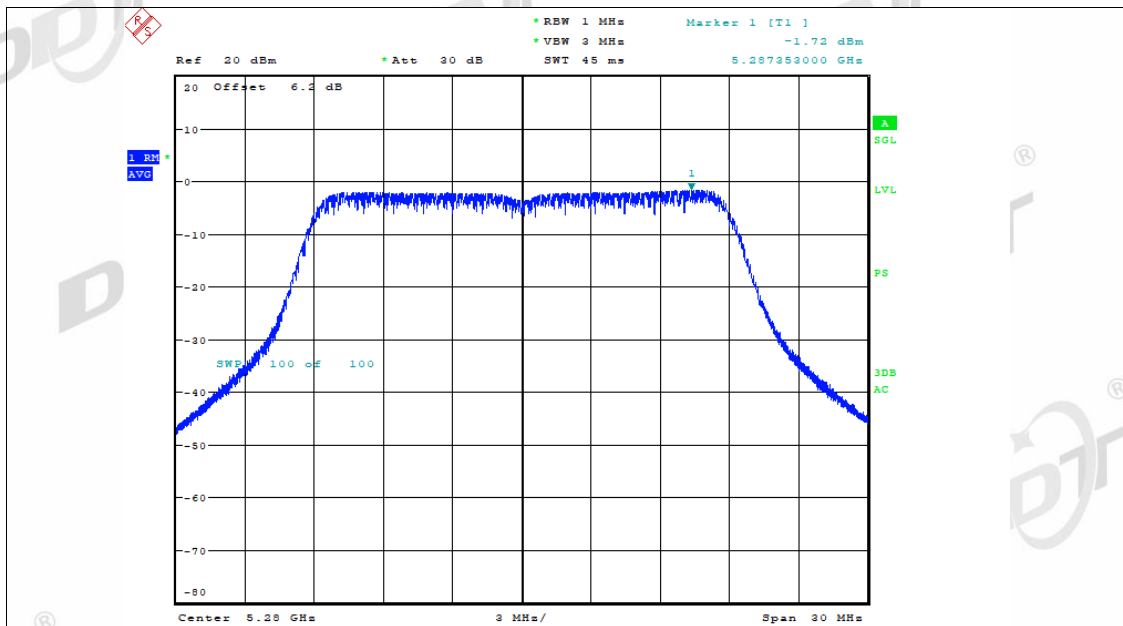
Date: 17.JAN.2023 17:15:52

PSD NVNT n20 5260MHz Ant2



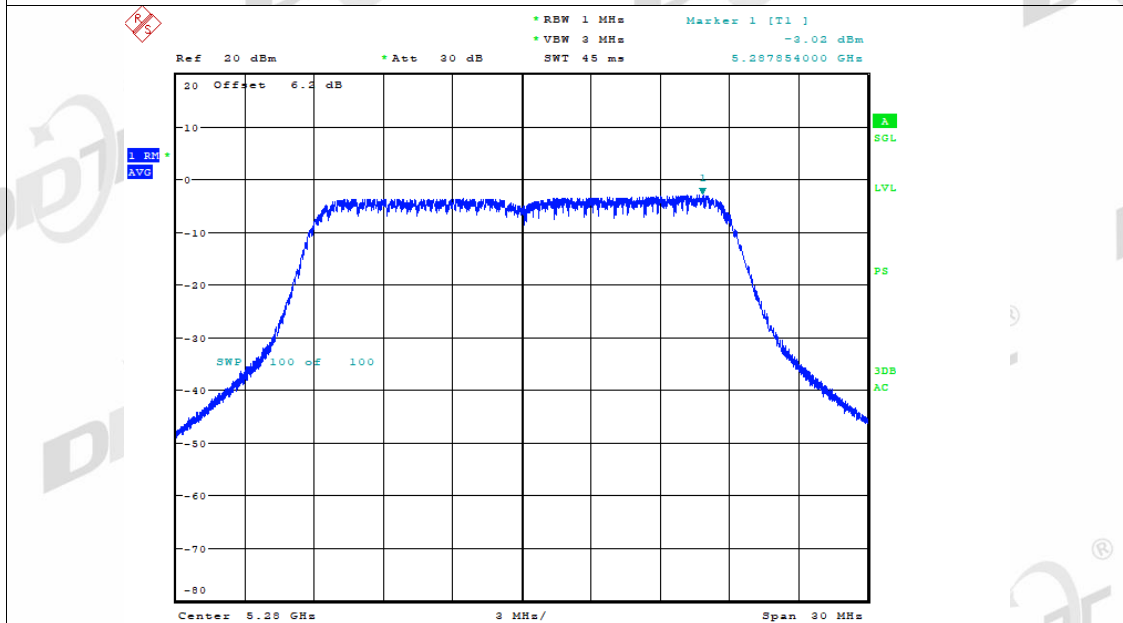
Date: 17.JAN.2023 17:16:11

PSD NVNT n20 5280MHz Ant1



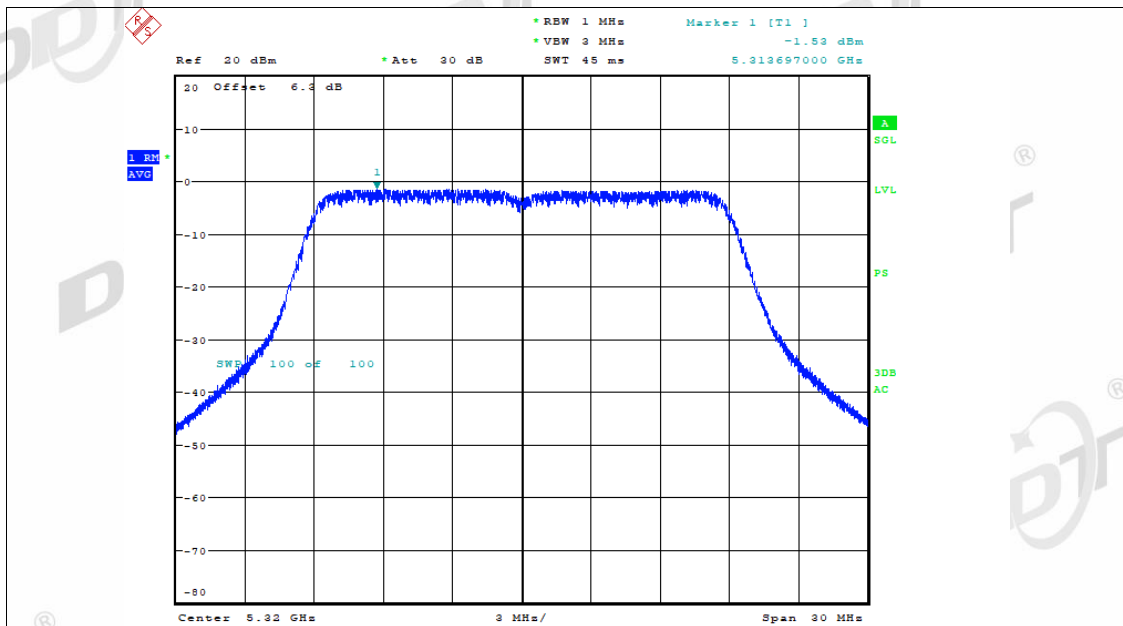
Date: 17.JAN.2023 17:27:24

PSD NVNT n20 5280MHz Ant2

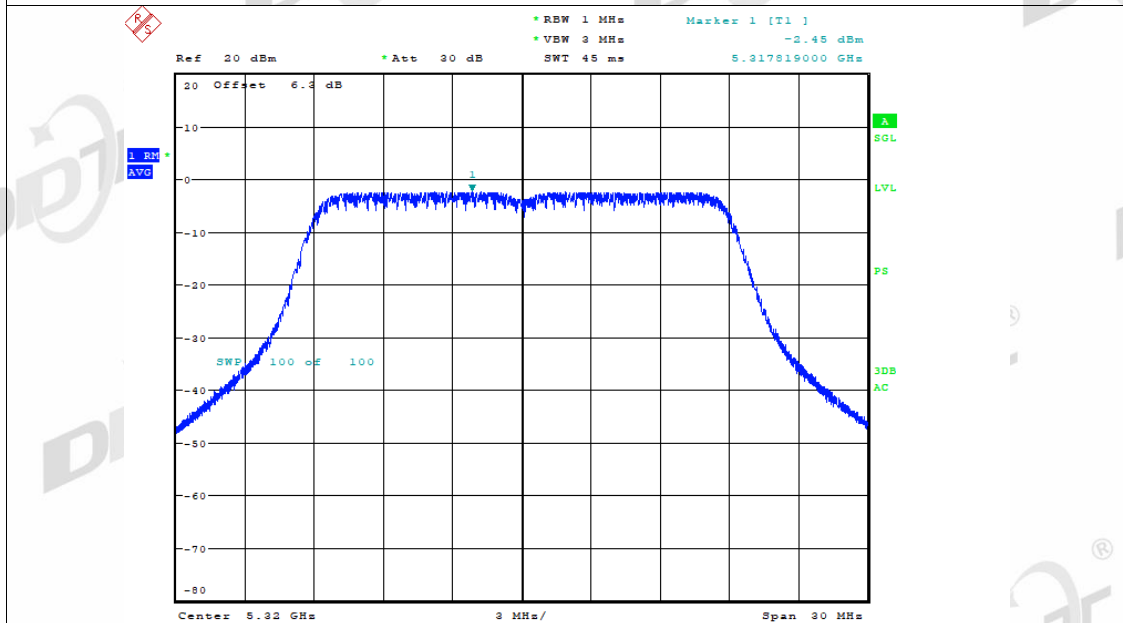


Date: 17.JAN.2023 17:27:42

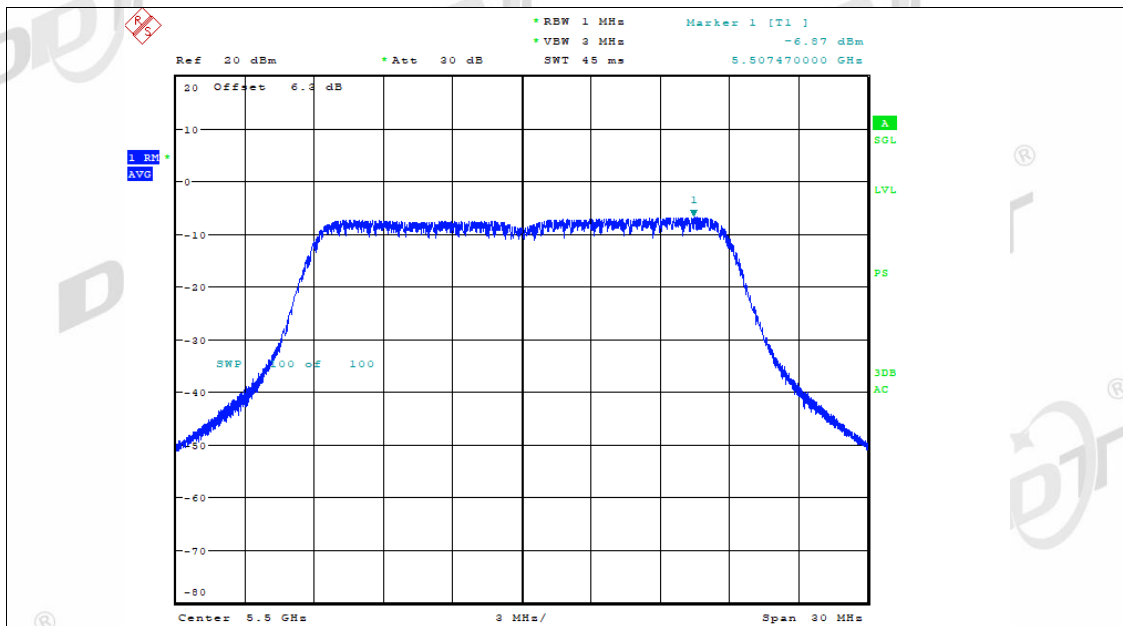
PSD NVNT n20 5320MHz Ant1



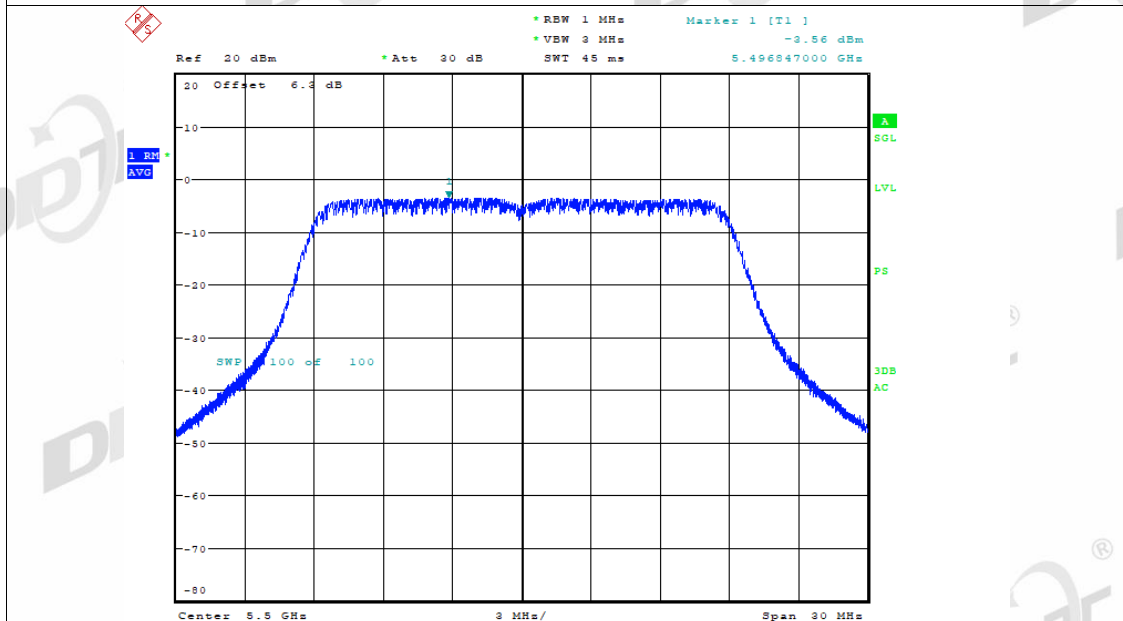
PSD NVNT n20 5320MHz Ant2



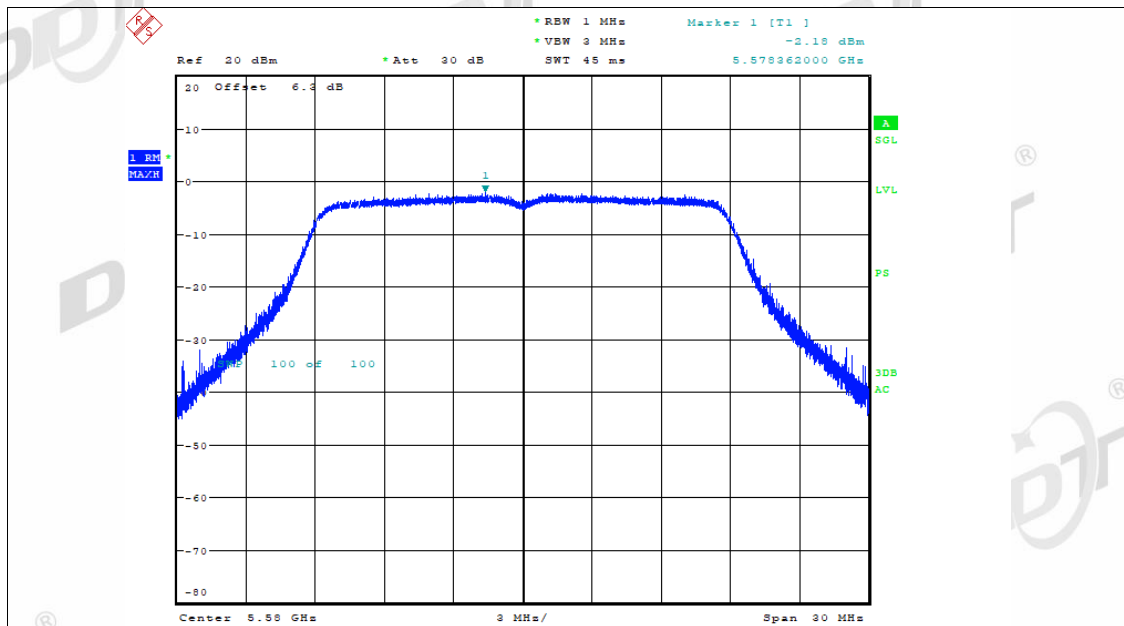
PSD NVNT n20 5500MHz Ant1



PSD NVNT n20 5500MHz Ant2

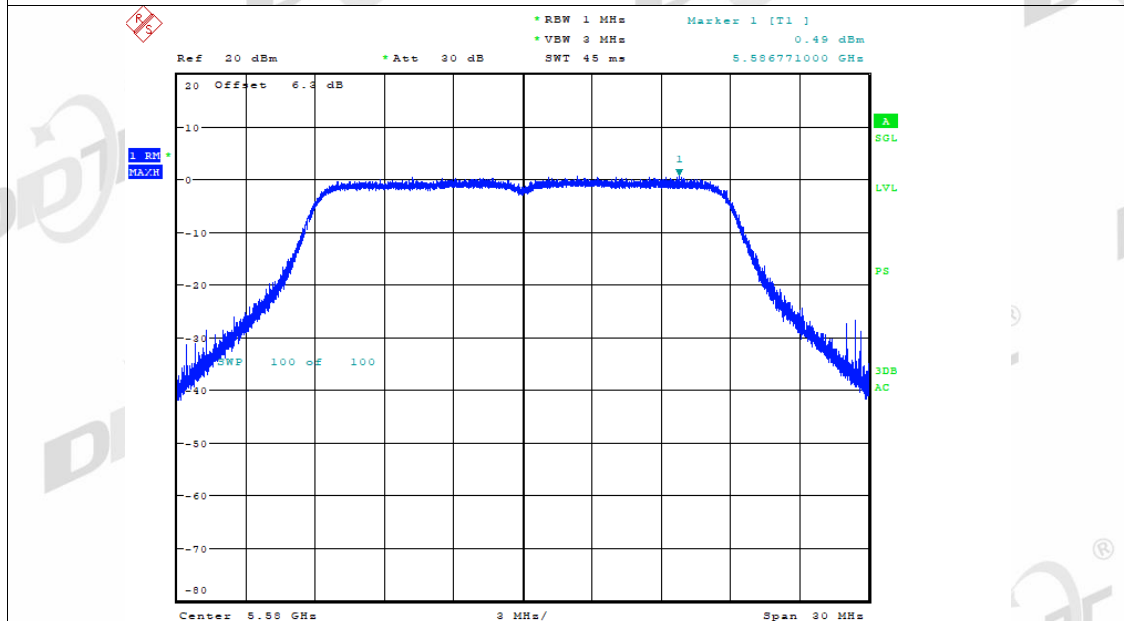


PSD NVNT n20 5580MHz Ant1



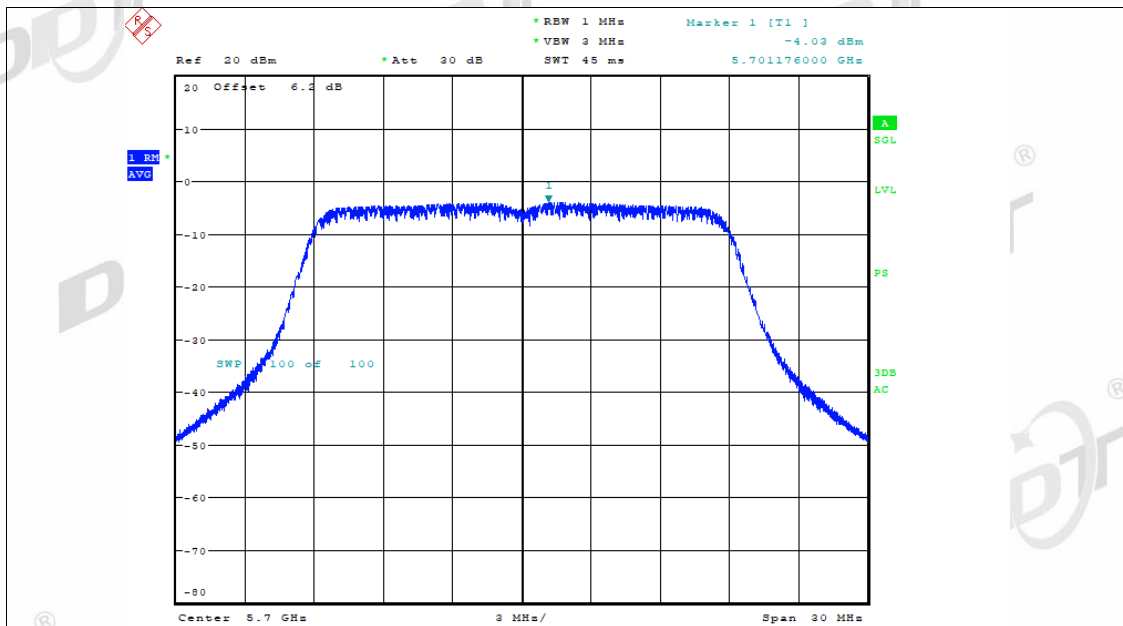
Date: 31.JAN.2023 11:35:59

PSD NVNT n20 5580MHz Ant2



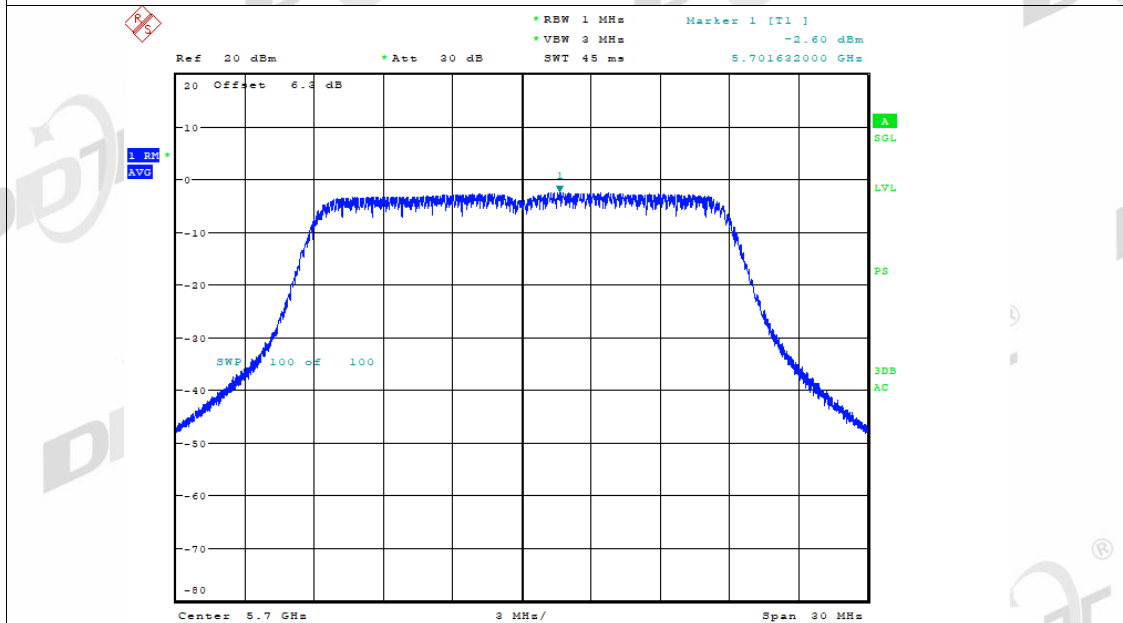
Date: 31.JAN.2023 11:36:18

PSD NVNT n20 5700MHz Ant1



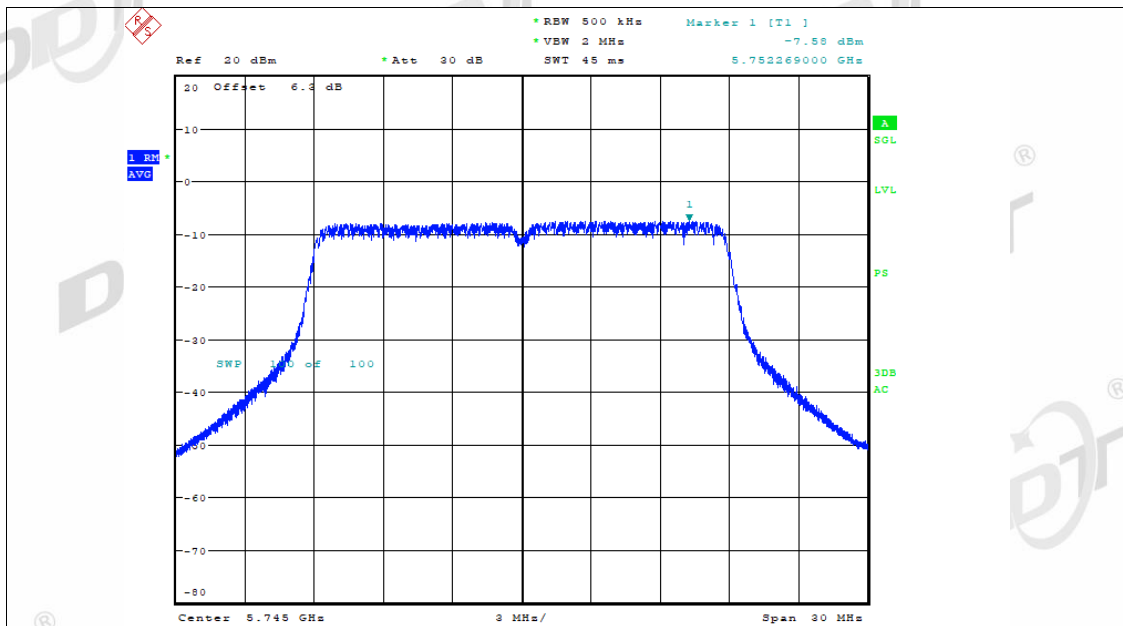
Date: 31.JAN.2023 11:30:20

PSD NVNT n20 5700MHz Ant2



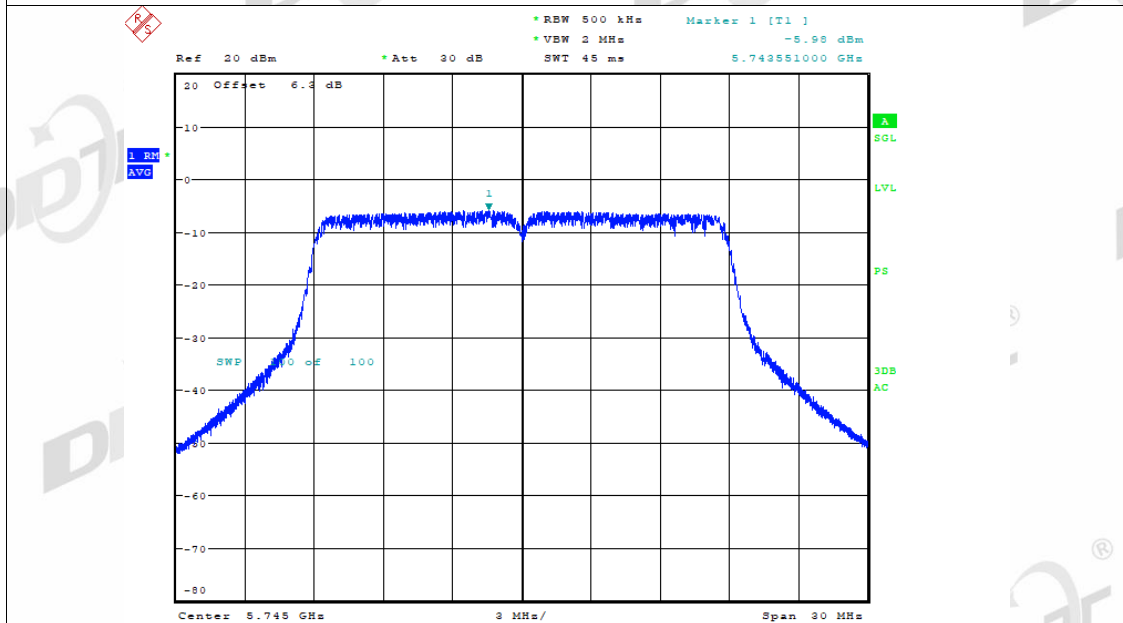
Date: 31.JAN.2023 11:30:38

PSD NVNT n20 5745MHz Ant1



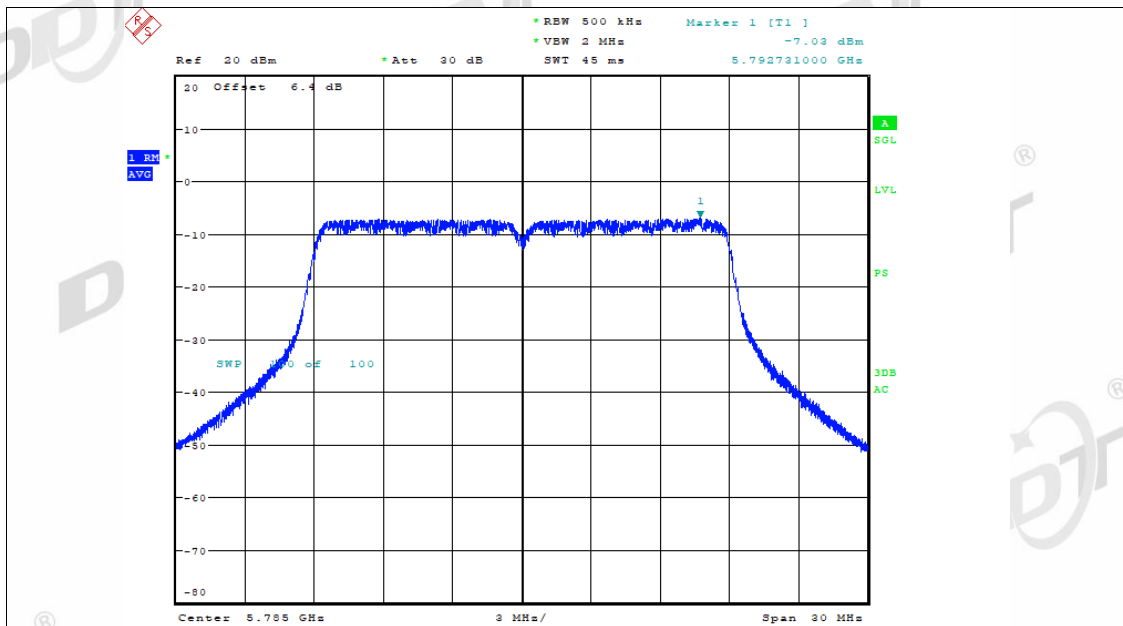
Date: 31.JAN.2023 11:42:42

PSD NVNT n20 5745MHz Ant2



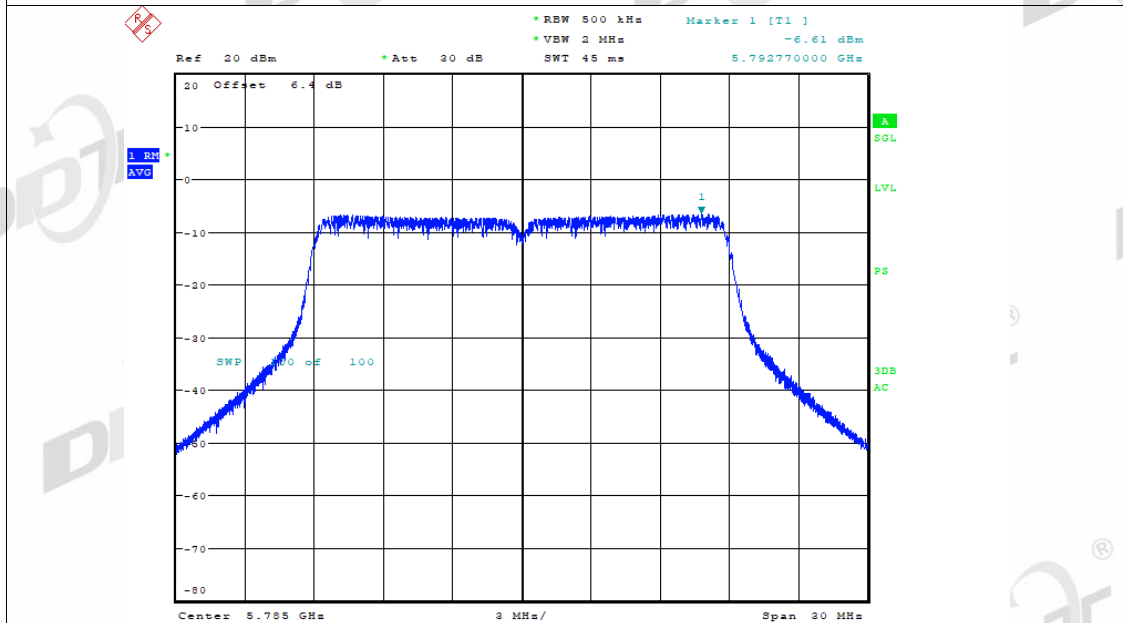
Date: 31.JAN.2023 11:43:01

PSD NVNT n20 5785MHz Ant1



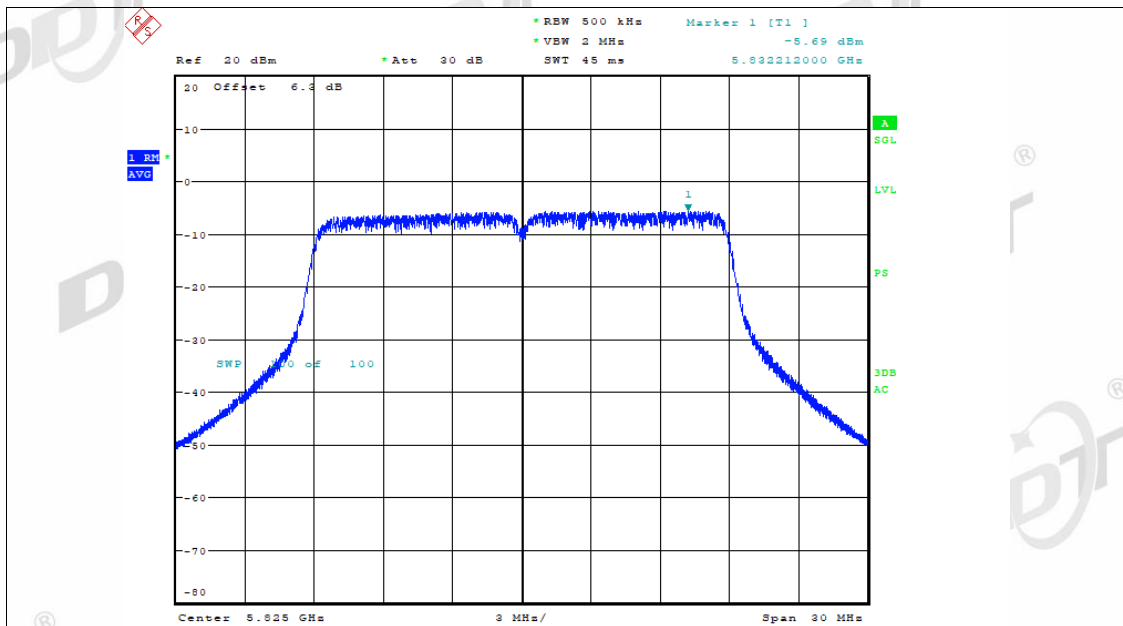
Date: 31.JAN.2023 11:48:26

PSD NVNT n20 5785MHz Ant2



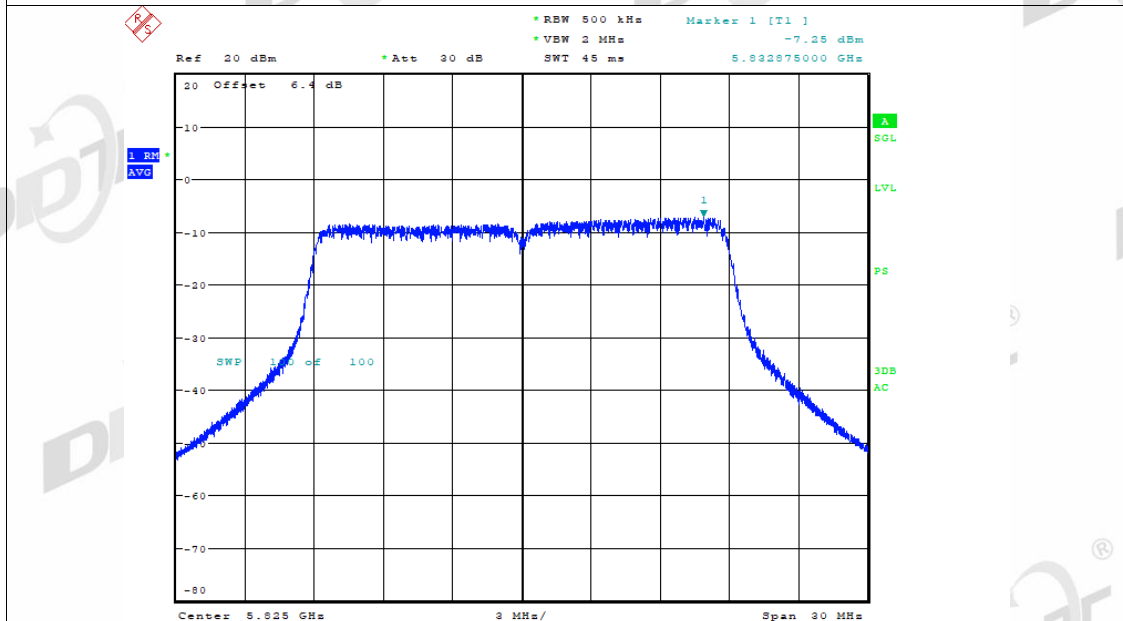
Date: 31.JAN.2023 11:48:45

PSD NVNT n20 5825MHz Ant1



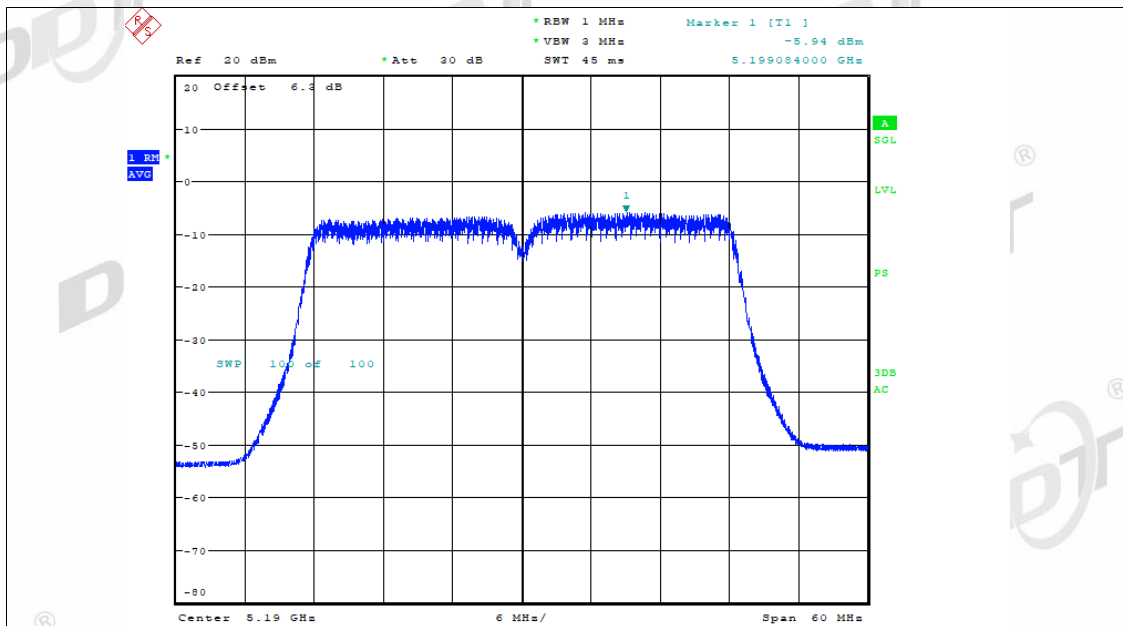
Date: 31.JAN.2023 11:54:50

PSD NVNT n20 5825MHz Ant2



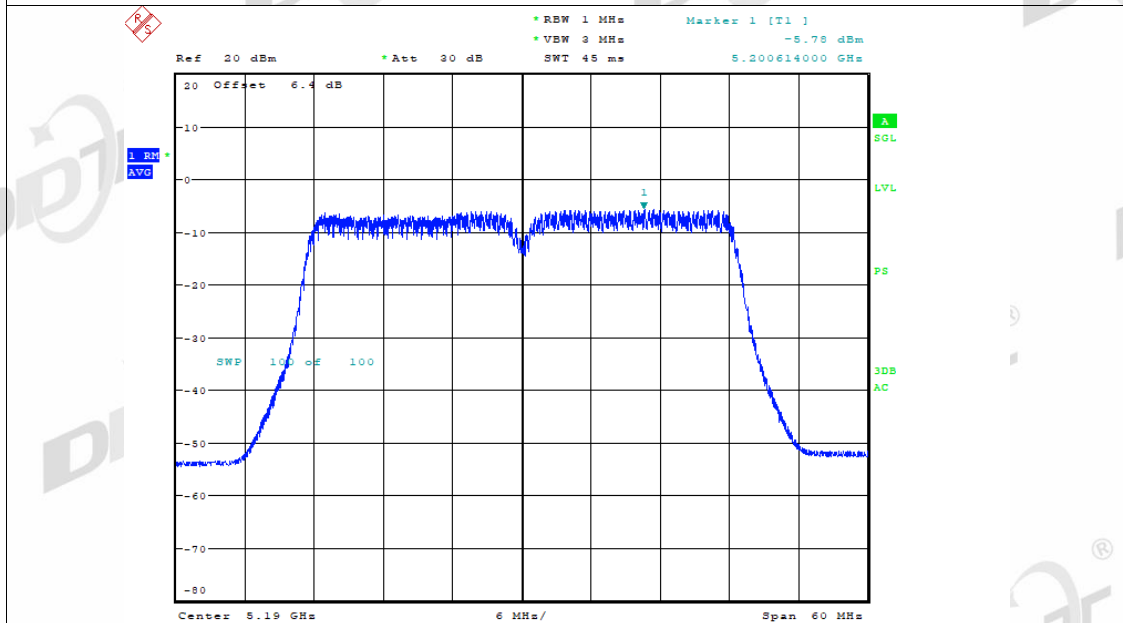
Date: 31.JAN.2023 11:55:09

PSD NVNT n40 5190MHz Ant1



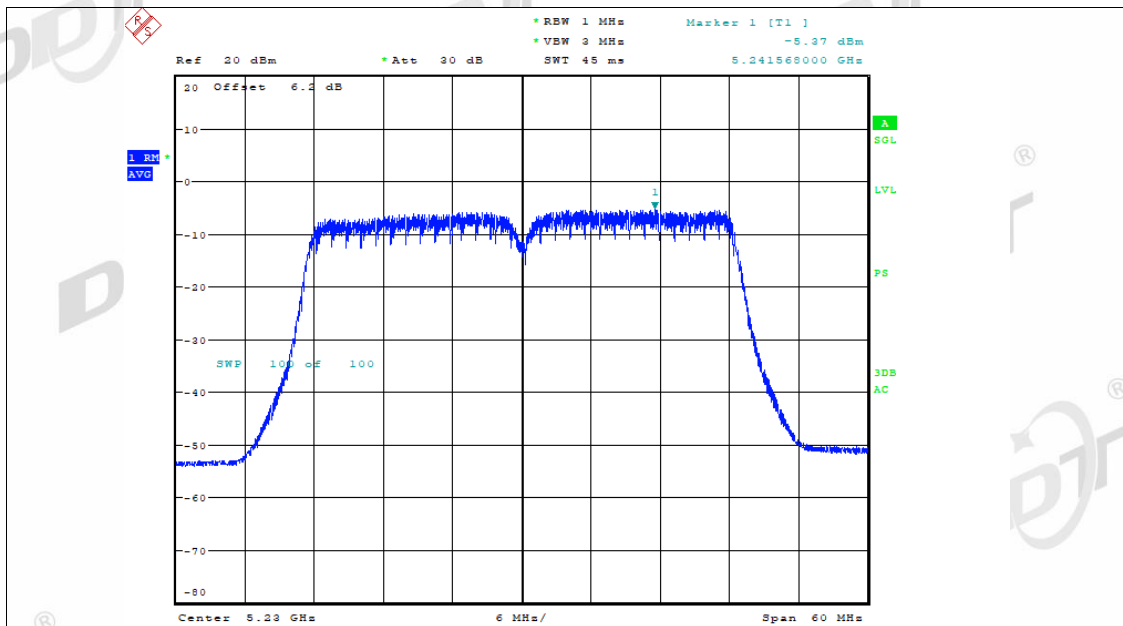
Date: 17.JAN.2023 09:18:20

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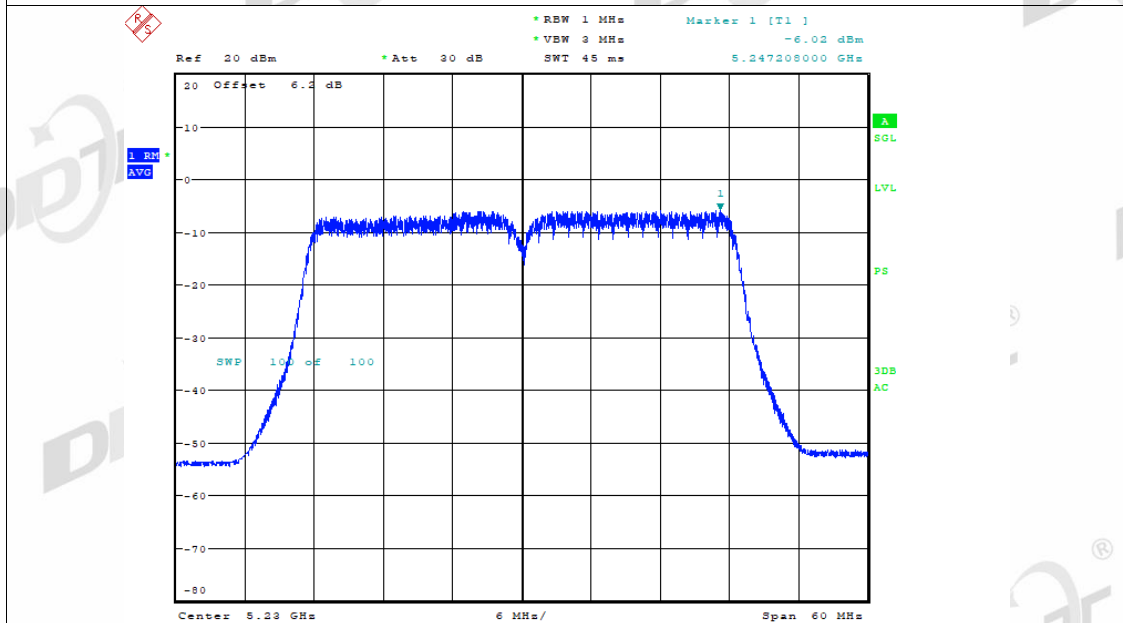
Date: 17.JAN.2023 09:18:39

PSD NVNT n40 5230MHz Ant1



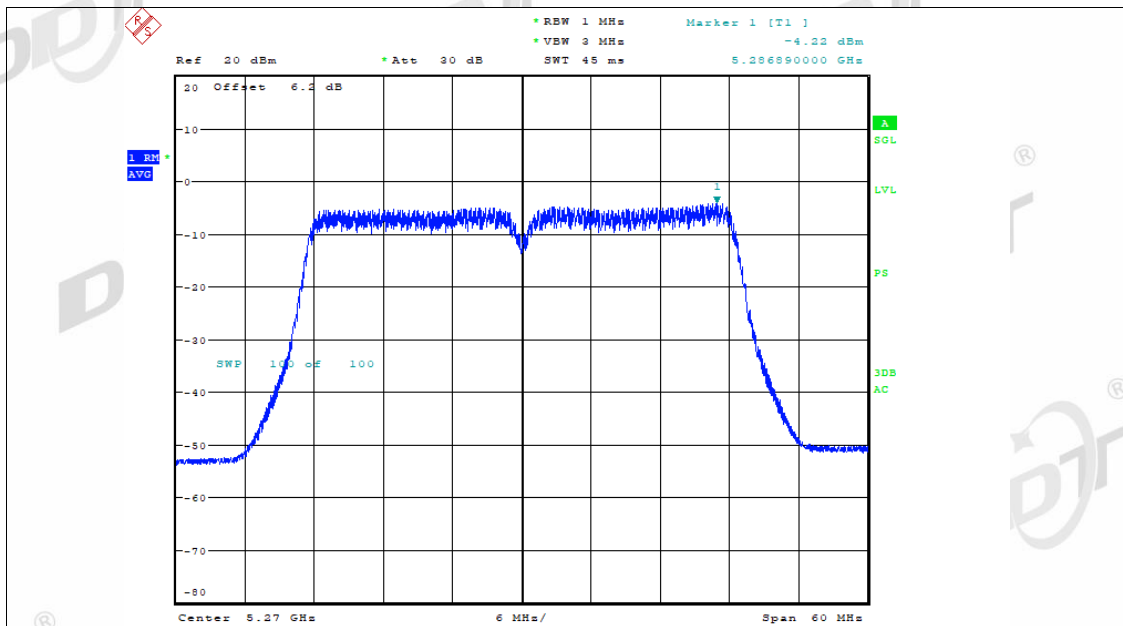
Date: 17.JAN.2023 09:19:31

PSD NVNT n40 5230MHz Ant2



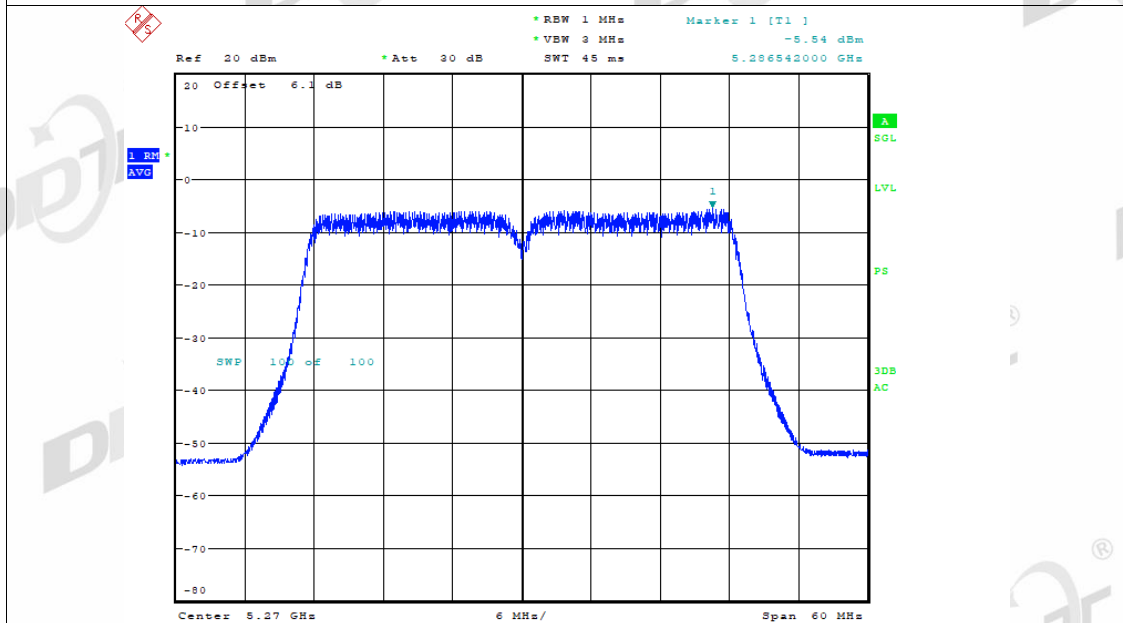
Date: 17.JAN.2023 09:19:50

PSD NVNT n40 5270MHz Ant1



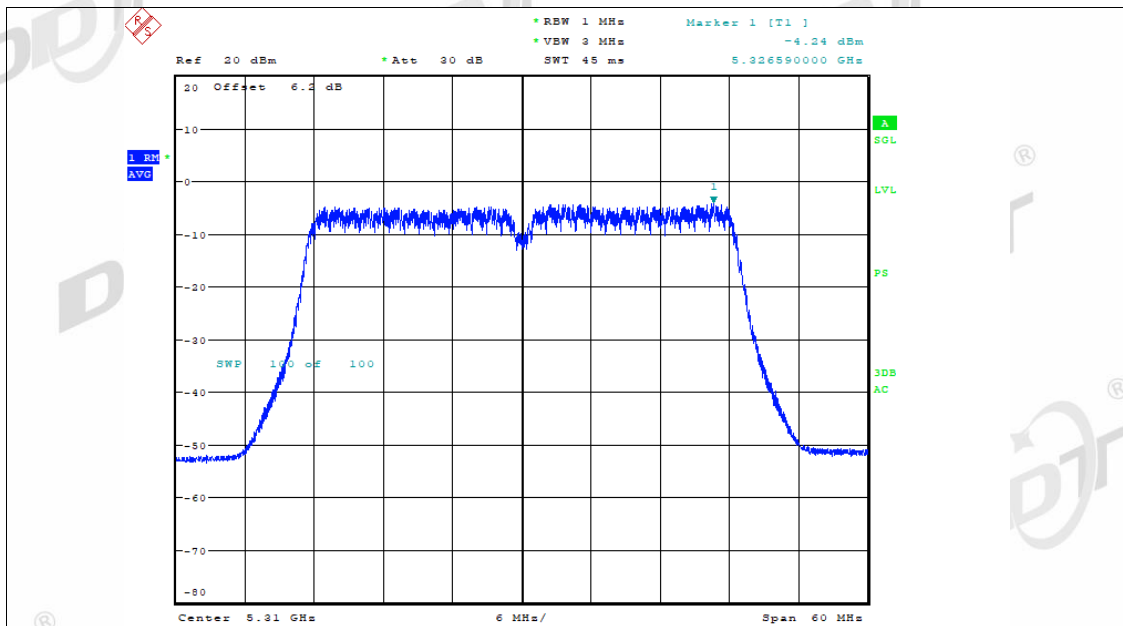
Date: 31.JAN.2023 13:21:56

PSD NVNT n40 5270MHz Ant2



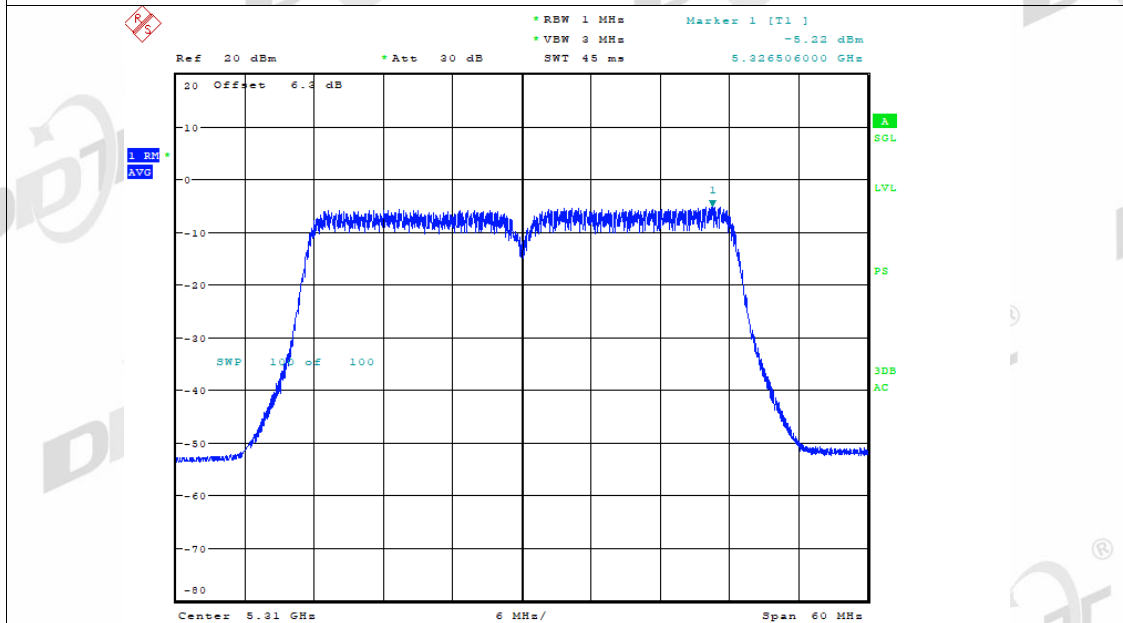
Date: 31.JAN.2023 13:22:14

PSD NVNT n40 5310MHz Ant1



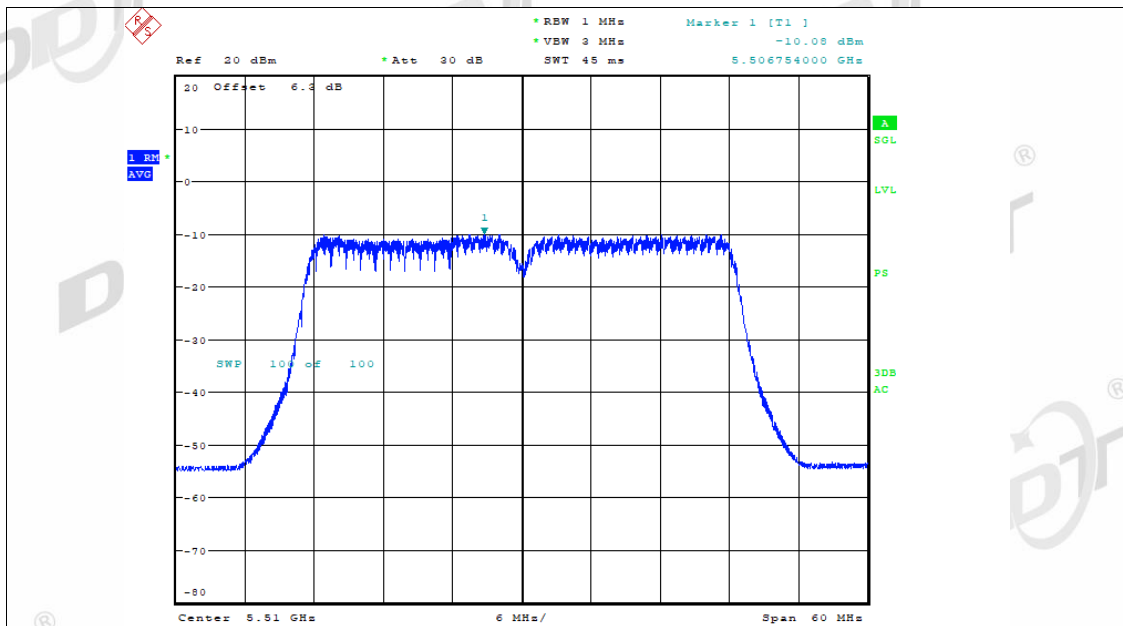
Date: 31.JAN.2023 13:29:58

PSD NVNT n40 5310MHz Ant2



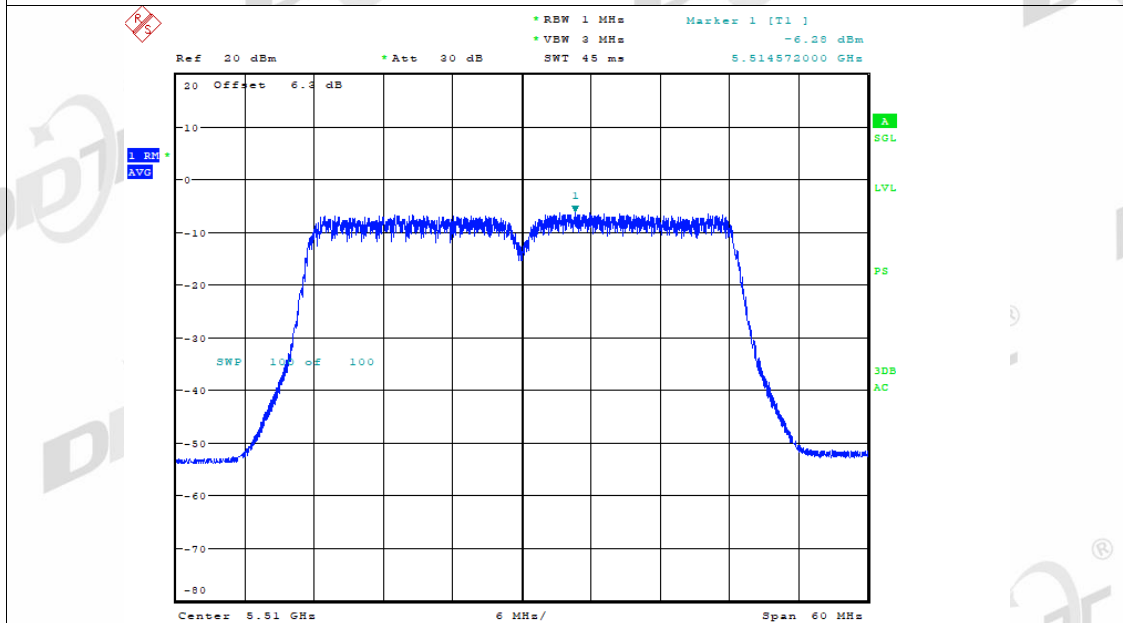
Date: 31.JAN.2023 13:30:17

PSD NVNT n40 5510MHz Ant1



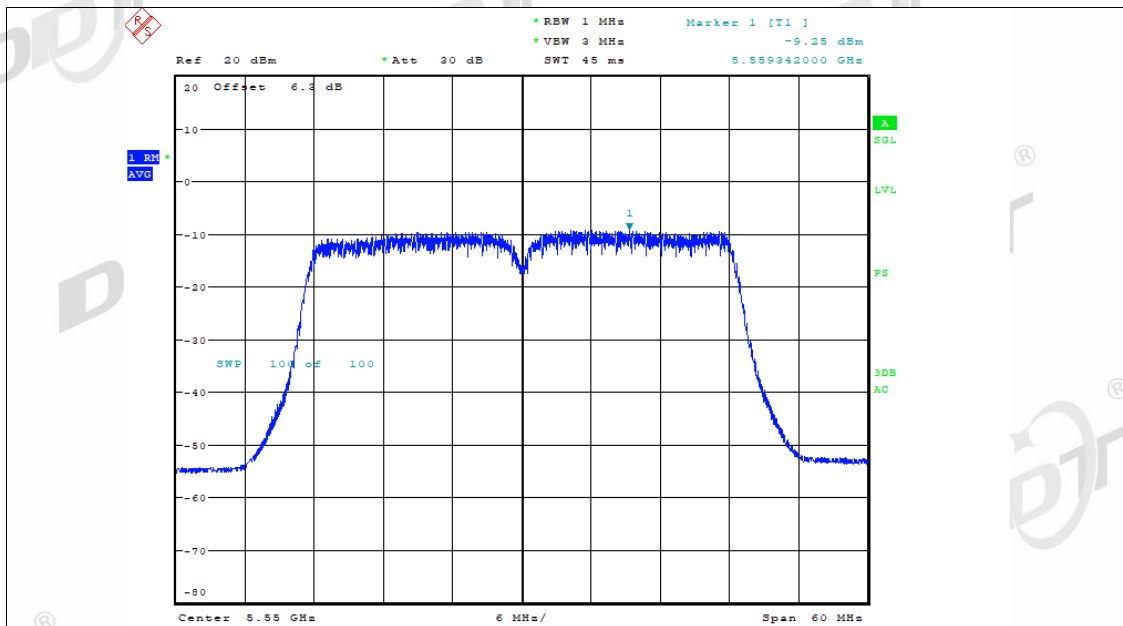
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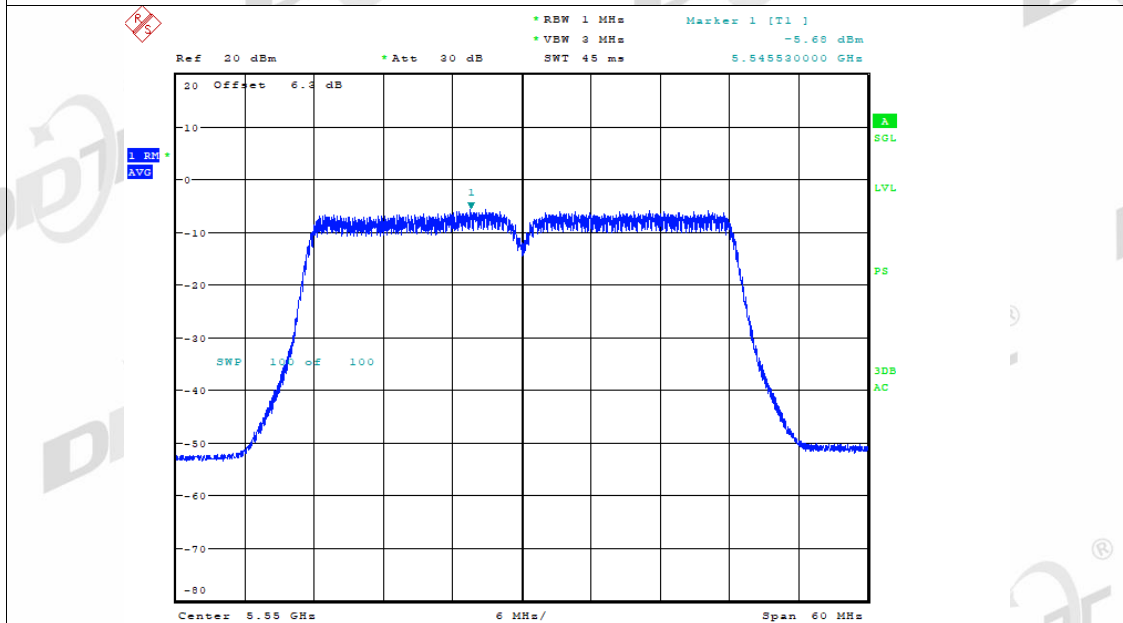
Date: 31.JAN.2023 13:37:13

PSD NVNT n40 5550MHz Ant1



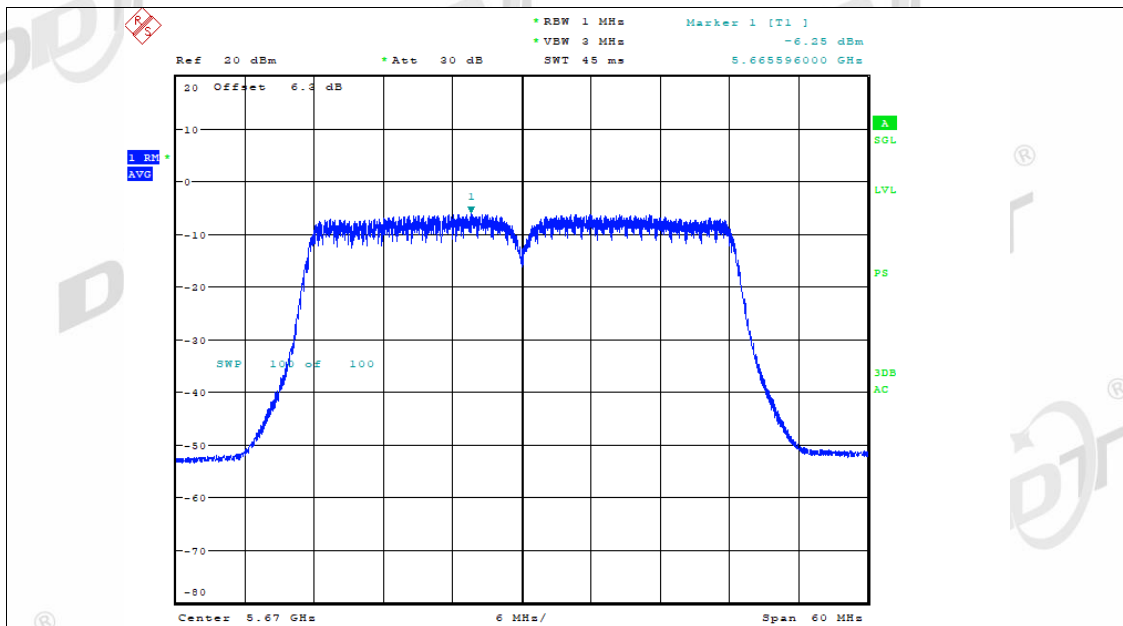
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PSD NVNT n40 5550MHz Ant2



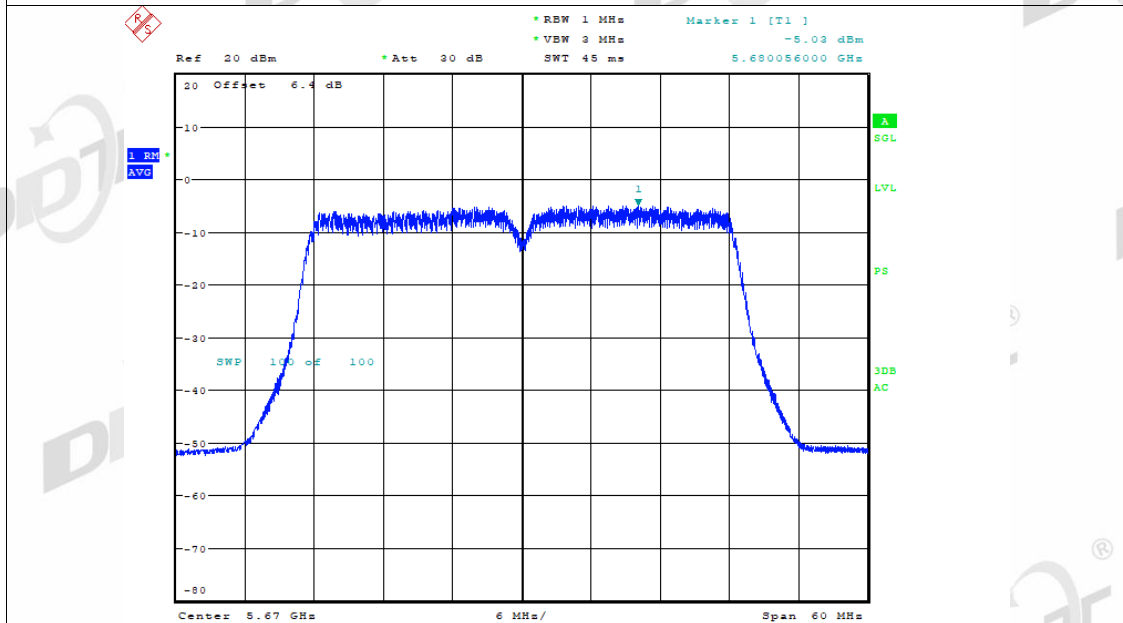
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PSD NVNT n40 5670MHz Ant1



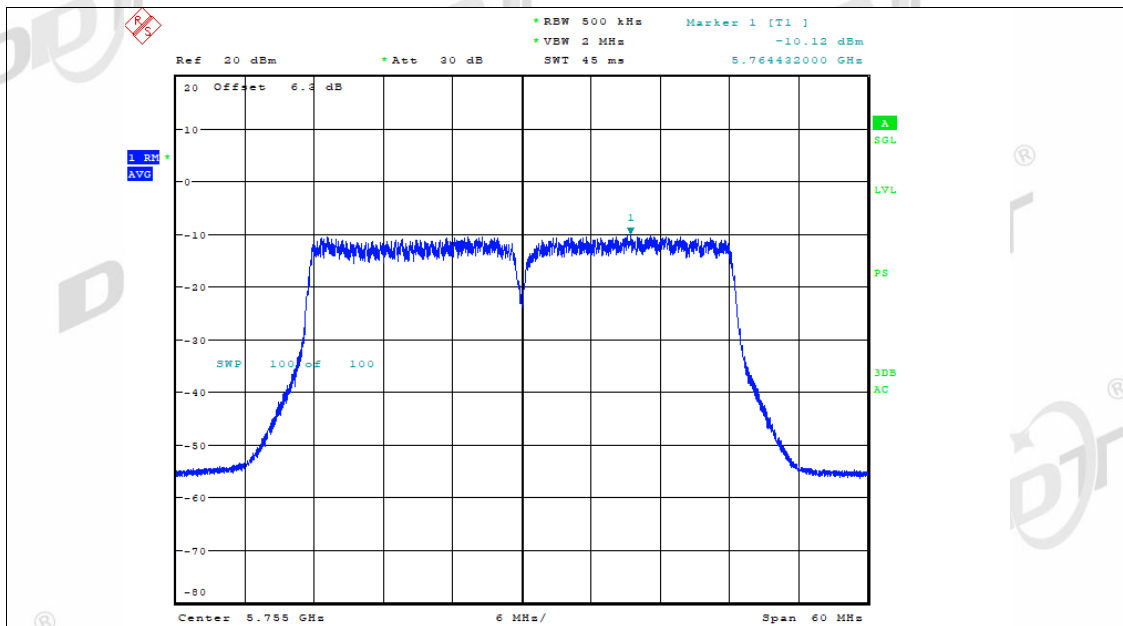
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PSD NVNT n40 5670MHz Ant2



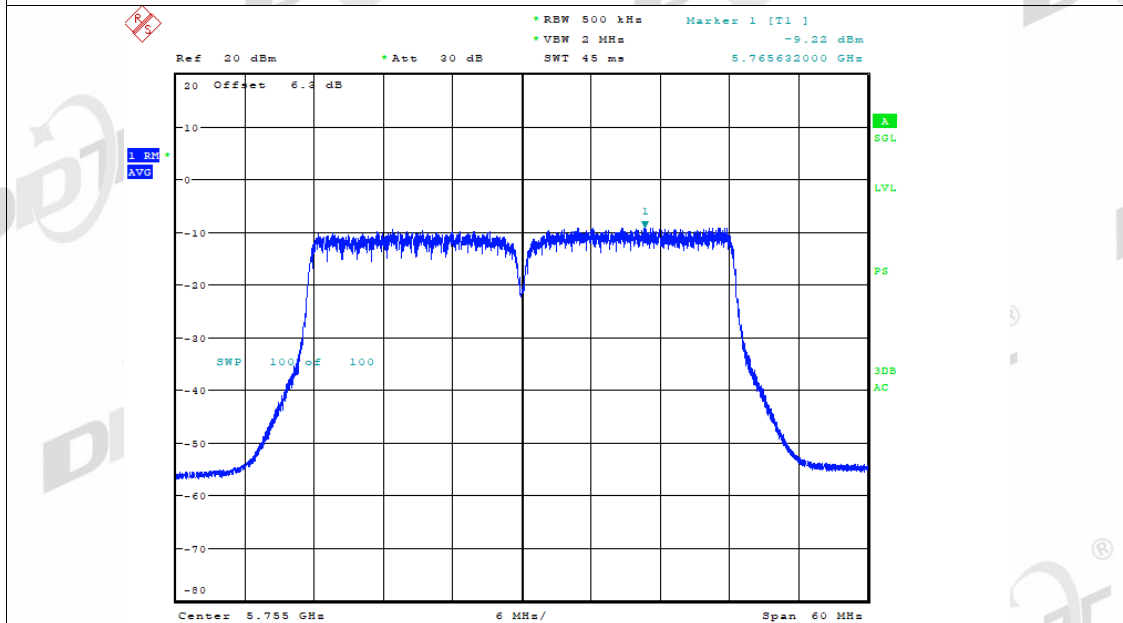
Date: 31.JAN.2023 13:55:53

PSD NVNT n40 5755MHz Ant1



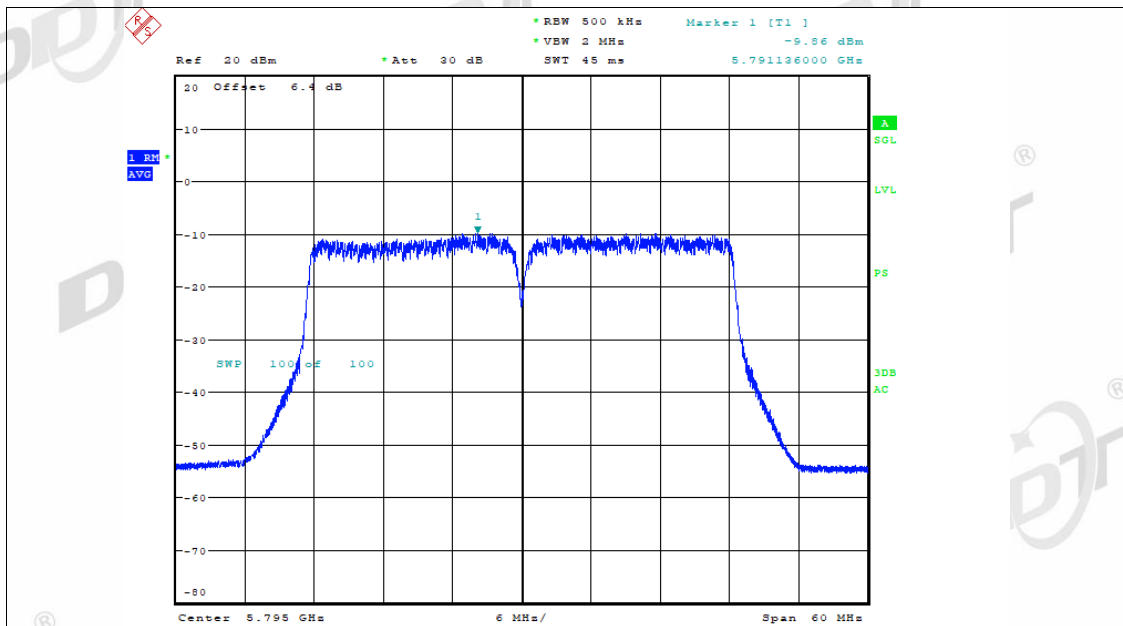
Date: 31.JAN.2023 14:04:48

PSD NVNT n40 5755MHz Ant2



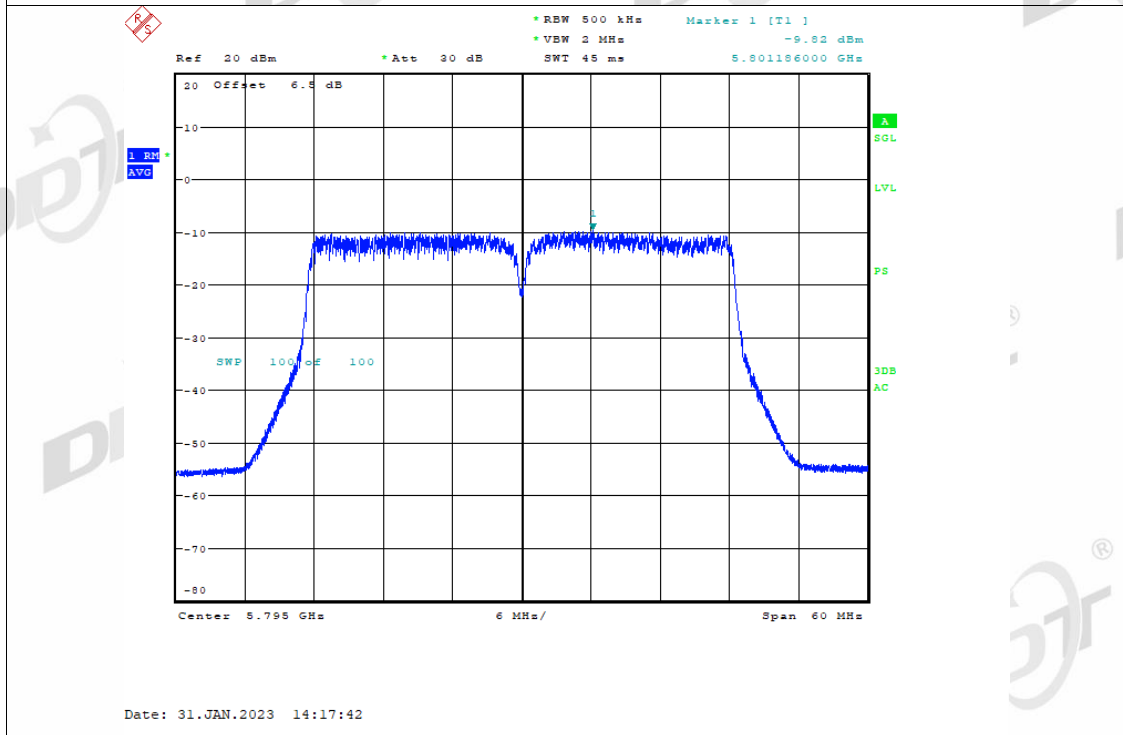
Date: 31.JAN.2023 14:05:07

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.

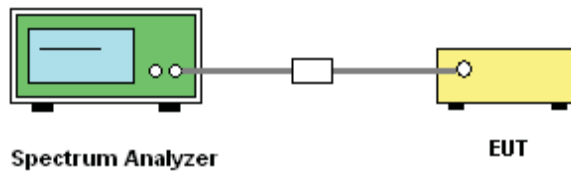
7.2. Measuring Instruments

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

N TLV	ac40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
N TNV	ac40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
N THV	ac40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
N TLV	ac40	5550	Ant1	5550	0	0	25	Pass
N TNV	ac40	5550	Ant1	5549.96	-40000	-7.21	25	Pass
N THV	ac40	5550	Ant1	5550	0	0	25	Pass
N TLV	ac40	5550	Ant2	5549.96	-40000	-7.21	25	Pass
N TNV	ac40	5550	Ant2	5550	0	0	25	Pass
N THV	ac40	5550	Ant2	5549.96	-40000	-7.21	25	Pass
N TLV	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
N TNV	ac40	5670	Ant1	5670.04	40000	7.05	25	Pass
N THV	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
N TLV	ac40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
N TNV	ac40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
N THV	ac40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
N TLV	ac80	5210	Ant1	5210	0	0	25	Pass
N TNV	ac80	5210	Ant1	5210	0	0	25	Pass
N THV	ac80	5210	Ant1	5210	0	0	25	Pass
N TLV	ac80	5210	Ant2	5210	0	0	25	Pass
N TNV	ac80	5210	Ant2	5210	0	0	25	Pass
N THV	ac80	5210	Ant2	5210	0	0	25	Pass
N TLV	ac80	5290	Ant1	5290	0	0	25	Pass
N TNV	ac80	5290	Ant1	5290	0	0	25	Pass
N THV	ac80	5290	Ant1	5290	0	0	25	Pass
N TLV	ac80	5290	Ant2	5290	0	0	25	Pass
N TNV	ac80	5290	Ant2	5290	0	0	25	Pass
N THV	ac80	5290	Ant2	5290	0	0	25	Pass
N TLV	ac80	5530	Ant1	5530	0	0	25	Pass
N TNV	ac80	5530	Ant1	5530	0	0	25	Pass
N THV	ac80	5530	Ant1	5530	0	0	25	Pass
N TLV	ac80	5530	Ant2	5530	0	0	25	Pass
N TNV	ac80	5530	Ant2	5530	0	0	25	Pass
N THV	ac80	5530	Ant2	5529.92	-80000	-14.47	25	Pass
N TLV	ac80	5610	Ant1	5610	0	0	25	Pass
N TNV	ac80	5610	Ant1	5610	0	0	25	Pass
N THV	ac80	5610	Ant1	5610	0	0	25	Pass
N TLV	ac80	5610	Ant2	5610	0	0	25	Pass
N TNV	ac80	5610	Ant2	5610	0	0	25	Pass
N THV	ac80	5610	Ant2	5610.08	80000	14.26	25	Pass
N TLV	n20	5180	Ant1	5180	0	0	25	Pass
N TNV	n20	5180	Ant1	5180	0	0	25	Pass
N THV	n20	5180	Ant1	5180	0	0	25	Pass
N TLV	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
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30℃	a	5280	Ant1	5280	0	0	25	Pass
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50℃	a	5280	Ant1	5280	0	0	25	Pass
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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
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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
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30℃	a	5580	Ant1	5579.98	-20000	-3.58	25	Pass
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40℃	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
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30℃	a	5500	Ant2	5500	0	0	25	Pass
40℃	a	5500	Ant2	5499.98	-20000	-3.64	25	Pass
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30℃	a	5580	Ant2	5580	0	0	25	Pass
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40℃	a	5745	Ant2	5745	0	0	25	Pass
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30℃	a	5825	Ant2	5825	0	0	25	Pass
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20℃	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
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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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30℃	ac20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
40℃	ac20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
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-10℃	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
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30℃	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
40℃	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
50℃	ac20	5825	Ant1	5825	0	0	25	Pass
20℃	ac20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
-10℃	ac20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
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10℃	ac20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
30℃	ac20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
40℃	ac20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
50℃	ac20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
-10℃	ac40	5190	Ant1	5190	0	0	25	Pass
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10℃	ac40	5190	Ant1	5190	0	0	25	Pass
20℃	ac40	5190	Ant1	5190	0	0	25	Pass
30℃	ac40	5190	Ant1	5190	0	0	25	Pass
40℃	ac40	5190	Ant1	5190	0	0	25	Pass
50℃	ac40	5190	Ant1	5190	0	0	25	Pass
-10℃	ac40	5190	Ant2	5190.04	40000	7.71	25	Pass
0℃	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
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30℃	ac40	5190	Ant2	5190	0	0	25	Pass
40℃	ac40	5190	Ant2	5190	0	0	25	Pass
50℃	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-10℃	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
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10℃	ac40	5230	Ant1	5230	0	0	25	Pass
20℃	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
30℃	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass

40℃	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
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10℃	ac40	5230	Ant2	5230	0	0	25	Pass
20℃	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
30℃	ac40	5230	Ant2	5230	0	0	25	Pass
40℃	ac40	5230	Ant2	5230	0	0	25	Pass
50℃	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-10℃	ac40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
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20℃	ac40	5270	Ant1	5270	0	0	25	Pass
30℃	ac40	5270	Ant1	5270	0	0	25	Pass
40℃	ac40	5270	Ant1	5270	0	0	25	Pass
50℃	ac40	5270	Ant1	5270	0	0	25	Pass
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10℃	ac40	5270	Ant2	5269.96	-40000	-7.59	25	Pass
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30℃	ac40	5270	Ant2	5269.96	-40000	-7.59	25	Pass
40℃	ac40	5270	Ant2	5270.04	40000	7.59	25	Pass
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40℃	ac40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
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-10℃	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
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20℃	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
30℃	ac40	5510	Ant1	5510	0	0	25	Pass
40℃	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
50℃	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
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20℃	ac40	5510	Ant2	5510	0	0	25	Pass
30℃	ac40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
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
20℃	ac40	5550	Ant1	5550	0	0	25	Pass
30℃	ac40	5550	Ant1	5549.96	-40000	-7.21	25	Pass
40℃	ac40	5550	Ant1	5550.04	40000	7.21	25	Pass
50℃	ac40	5550	Ant1	5550	0	0	25	Pass
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20℃	ac40	5550	Ant2	5549.96	-40000	-7.21	25	Pass
30℃	ac40	5550	Ant2	5550	0	0	25	Pass
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50℃	ac40	5550	Ant2	5550.04	40000	7.21	25	Pass
-10℃	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
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10℃	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
20℃	ac40	5670	Ant1	5670	0	0	25	Pass
30℃	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
40℃	ac40	5670	Ant1	5670	0	0	25	Pass
50℃	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
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10℃	ac40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
20℃	ac40	5670	Ant2	5669.96	-40000	-7.05	25	Pass
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10℃	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
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10℃	ac40	5755	Ant2	5754.96	-40000	-6.95	25	Pass

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30℃	ac40	5795	Ant2	5795	0	0	25	Pass
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20℃	ac80	5210	Ant1	5210	0	0	25	Pass
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40℃	ac80	5210	Ant1	5210	0	0	25	Pass
50℃	ac80	5210	Ant1	5210	0	0	25	Pass
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30℃	ac80	5210	Ant2	5210	0	0	25	Pass
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50℃	ac80	5530	Ant1	5530	0	0	25	Pass
-10℃	ac80	5530	Ant2	5530	0	0	25	Pass
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20℃	ac80	5530	Ant2	5530	0	0	25	Pass
30℃	ac80	5530	Ant2	5530	0	0	25	Pass
40℃	ac80	5530	Ant2	5530	0	0	25	Pass
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-10℃	ac80	5610	Ant1	5610.08	80000	14.26	25	Pass
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10℃	ac80	5610	Ant1	5610	0	0	25	Pass
20℃	ac80	5610	Ant1	5610	0	0	25	Pass
30℃	ac80	5610	Ant1	5610	0	0	25	Pass
40℃	ac80	5610	Ant1	5610	0	0	25	Pass
50℃	ac80	5610	Ant1	5610.08	80000	14.26	25	Pass
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30℃	ac80	5610	Ant2	5610	0	0	25	Pass
40℃	ac80	5610	Ant2	5610	0	0	25	Pass
50℃	ac80	5610	Ant2	5610	0	0	25	Pass
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10℃	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20℃	n20	5180	Ant2	5180	0	0	25	Pass
30℃	n20	5180	Ant2	5180	0	0	25	Pass
40℃	n20	5180	Ant2	5180	0	0	25	Pass
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-10℃	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
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10℃	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
20℃	n20	5200	Ant1	5200	0	0	25	Pass
30℃	n20	5200	Ant1	5200	0	0	25	Pass
40℃	n20	5200	Ant1	5200	0	0	25	Pass
50℃	n20	5200	Ant1	5200	0	0	25	Pass
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40℃	n20	5240	Ant1	5240	0	0	25	Pass
50℃	n20	5240	Ant1	5240	0	0	25	Pass
-10℃	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
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10℃	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
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30℃	n20	5240	Ant2	5240	0	0	25	Pass
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50℃	n20	5240	Ant2	5240	0	0	25	Pass
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10℃	n20	5260	Ant1	5260	0	0	25	Pass
20℃	n20	5260	Ant1	5260	0	0	25	Pass
30℃	n20	5260	Ant1	5260.02	20000	3.8	25	Pass
40℃	n20	5260	Ant1	5260	0	0	25	Pass

50℃	n20	5260	Ant1	5260	0	0	25	Pass
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10℃	n20	5260	Ant2	5260	0	0	25	Pass
20℃	n20	5260	Ant2	5260.02	20000	3.8	25	Pass
30℃	n20	5260	Ant2	5260	0	0	25	Pass
40℃	n20	5260	Ant2	5259.98	-20000	-3.8	25	Pass
50℃	n20	5260	Ant2	5260	0	0	25	Pass
-10℃	n20	5280	Ant1	5280	0	0	25	Pass
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10℃	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
20℃	n20	5280	Ant1	5280	0	0	25	Pass
30℃	n20	5280	Ant1	5280.02	20000	3.79	25	Pass
40℃	n20	5280	Ant1	5280	0	0	25	Pass
50℃	n20	5280	Ant1	5280.02	20000	3.79	25	Pass
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20℃	n20	5280	Ant2	5280	0	0	25	Pass
30℃	n20	5280	Ant2	5280	0	0	25	Pass
40℃	n20	5280	Ant2	5279.98	-20000	-3.79	25	Pass
50℃	n20	5280	Ant2	5280	0	0	25	Pass
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20℃	n20	5320	Ant1	5320.02	20000	3.76	25	Pass
30℃	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
40℃	n20	5320	Ant1	5320.02	20000	3.76	25	Pass
50℃	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
-10℃	n20	5320	Ant2	5320	0	0	25	Pass
0℃	n20	5320	Ant2	5320	0	0	25	Pass
10℃	n20	5320	Ant2	5320.02	20000	3.76	25	Pass
20℃	n20	5320	Ant2	5320.02	20000	3.76	25	Pass
30℃	n20	5320	Ant2	5319.98	-20000	-3.76	25	Pass
40℃	n20	5320	Ant2	5319.98	-20000	-3.76	25	Pass
50℃	n20	5320	Ant2	5319.98	-20000	-3.76	25	Pass
-10℃	n20	5500	Ant1	5500	0	0	25	Pass
0℃	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
10℃	n20	5500	Ant1	5500	0	0	25	Pass
20℃	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
30℃	n20	5500	Ant1	5500	0	0	25	Pass
40℃	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
50℃	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
-10℃	n20	5500	Ant2	5499.98	-20000	-3.64	25	Pass
0℃	n20	5500	Ant2	5499.98	-20000	-3.64	25	Pass

10℃	n20	5500	Ant2	5499.98	-20000	-3.64	25	Pass
20℃	n20	5500	Ant2	5500	0	0	25	Pass
30℃	n20	5500	Ant2	5500	0	0	25	Pass
40℃	n20	5500	Ant2	5499.98	-20000	-3.64	25	Pass
50℃	n20	5500	Ant2	5499.98	-20000	-3.64	25	Pass
20℃	n20	5580	Ant1	5579.98	-20000	-3.58	25	Pass
-10℃	n20	5580	Ant1	5579.98	-20000	-3.58	25	Pass
0℃	n20	5580	Ant1	5579.98	-20000	-3.58	25	Pass
10℃	n20	5580	Ant1	5579.98	-20000	-3.58	25	Pass
30℃	n20	5580	Ant1	5579.98	-20000	-3.58	25	Pass
40℃	n20	5580	Ant1	5579.98	-20000	-3.58	25	Pass
50℃	n20	5580	Ant1	5579.98	-20000	-3.58	25	Pass
20℃	n20	5580	Ant2	5579.98	-20000	-3.58	25	Pass
-10℃	n20	5580	Ant2	5579.98	-20000	-3.58	25	Pass
0℃	n20	5580	Ant2	5580	0	0	25	Pass
10℃	n20	5580	Ant2	5579.98	-20000	-3.58	25	Pass
30℃	n20	5580	Ant2	5579.98	-20000	-3.58	25	Pass
40℃	n20	5580	Ant2	5579.98	-20000	-3.58	25	Pass
50℃	n20	5580	Ant2	5580	0	0	25	Pass
-10℃	n20	5700	Ant1	5700	0	0	25	Pass
0℃	n20	5700	Ant1	5700	0	0	25	Pass
10℃	n20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
20℃	n20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
30℃	n20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
40℃	n20	5700	Ant1	5700	0	0	25	Pass
50℃	n20	5700	Ant1	5700	0	0	25	Pass
-10℃	n20	5700	Ant2	5699.98	-20000	-3.51	25	Pass
0℃	n20	5700	Ant2	5699.98	-20000	-3.51	25	Pass
10℃	n20	5700	Ant2	5700	0	0	25	Pass
20℃	n20	5700	Ant2	5699.98	-20000	-3.51	25	Pass
30℃	n20	5700	Ant2	5700	0	0	25	Pass
40℃	n20	5700	Ant2	5699.98	-20000	-3.51	25	Pass
50℃	n20	5700	Ant2	5700.02	20000	3.51	25	Pass
20℃	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-10℃	n20	5745	Ant1	5745	0	0	25	Pass
0℃	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
10℃	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
30℃	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
40℃	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
50℃	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20℃	n20	5745	Ant2	5745	0	0	25	Pass
-10℃	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
0℃	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
10℃	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
30℃	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass

40℃	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
50℃	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
20℃	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
-10℃	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
0℃	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
10℃	n20	5785	Ant1	5785	0	0	25	Pass
30℃	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
40℃	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
50℃	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20℃	n20	5785	Ant2	5785	0	0	25	Pass
-10℃	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
0℃	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
10℃	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
30℃	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
40℃	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
50℃	n20	5785	Ant2	5785	0	0	25	Pass
20℃	n20	5825	Ant1	5825	0	0	25	Pass
-10℃	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
0℃	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
10℃	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
30℃	n20	5825	Ant1	5825	0	0	25	Pass
40℃	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
50℃	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20℃	n20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
-10℃	n20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
0℃	n20	5825	Ant2	5825	0	0	25	Pass
10℃	n20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
30℃	n20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
40℃	n20	5825	Ant2	5825	0	0	25	Pass
50℃	n20	5825	Ant2	5825	0	0	25	Pass
-10℃	n40	5190	Ant1	5190	0	0	25	Pass
0℃	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
10℃	n40	5190	Ant1	5190	0	0	25	Pass
20℃	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
30℃	n40	5190	Ant1	5190	0	0	25	Pass
40℃	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
50℃	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-10℃	n40	5190	Ant2	5190	0	0	25	Pass
0℃	n40	5190	Ant2	5190	0	0	25	Pass
10℃	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20℃	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
30℃	n40	5190	Ant2	5190.04	40000	7.71	25	Pass
40℃	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
50℃	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-10℃	n40	5230	Ant1	5230	0	0	25	Pass

0℃	n40	5230	Ant1	5230	0	0	25	Pass
10℃	n40	5230	Ant1	5230	0	0	25	Pass
20℃	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
30℃	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
40℃	n40	5230	Ant1	5230	0	0	25	Pass
50℃	n40	5230	Ant1	5230	0	0	25	Pass
-10℃	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
0℃	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
10℃	n40	5230	Ant2	5230	0	0	25	Pass
20℃	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
30℃	n40	5230	Ant2	5230	0	0	25	Pass
40℃	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
50℃	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-10℃	n40	5270	Ant1	5270	0	0	25	Pass
0℃	n40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
10℃	n40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
20℃	n40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
30℃	n40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
40℃	n40	5270	Ant1	5270	0	0	25	Pass
50℃	n40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
-10℃	n40	5270	Ant2	5270	0	0	25	Pass
0℃	n40	5270	Ant2	5269.96	-40000	-7.59	25	Pass
10℃	n40	5270	Ant2	5270	0	0	25	Pass
20℃	n40	5270	Ant2	5269.96	-40000	-7.59	25	Pass
30℃	n40	5270	Ant2	5270	0	0	25	Pass
40℃	n40	5270	Ant2	5269.96	-40000	-7.59	25	Pass
50℃	n40	5270	Ant2	5269.96	-40000	-7.59	25	Pass
-10℃	n40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
0℃	n40	5310	Ant1	5310	0	0	25	Pass
10℃	n40	5310	Ant1	5310.04	40000	7.53	25	Pass
20℃	n40	5310	Ant1	5310	0	0	25	Pass
30℃	n40	5310	Ant1	5310	0	0	25	Pass
40℃	n40	5310	Ant1	5310	0	0	25	Pass
50℃	n40	5310	Ant1	5310	0	0	25	Pass
-10℃	n40	5310	Ant2	5310	0	0	25	Pass
0℃	n40	5310	Ant2	5310	0	0	25	Pass
10℃	n40	5310	Ant2	5309.96	-40000	-7.53	25	Pass
20℃	n40	5310	Ant2	5309.96	-40000	-7.53	25	Pass
30℃	n40	5310	Ant2	5309.96	-40000	-7.53	25	Pass
40℃	n40	5310	Ant2	5310	0	0	25	Pass
50℃	n40	5310	Ant2	5310	0	0	25	Pass
-10℃	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
0℃	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
10℃	n40	5510	Ant1	5510	0	0	25	Pass
20℃	n40	5510	Ant1	5510	0	0	25	Pass

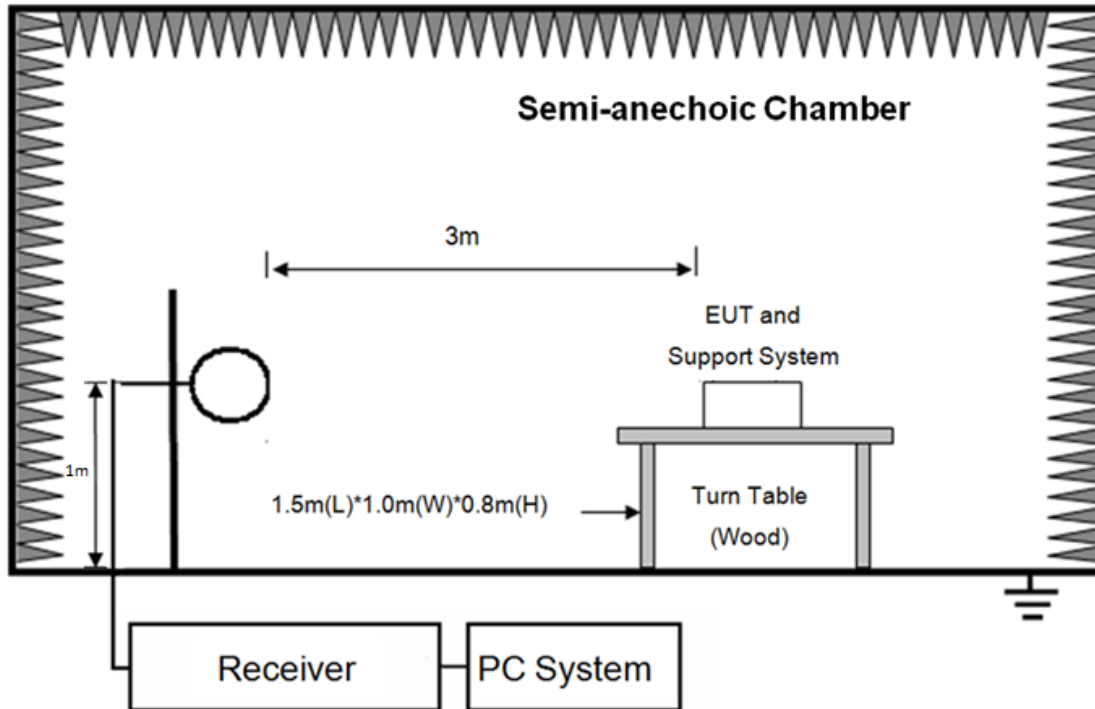
30℃	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
40℃	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
50℃	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
-10℃	n40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
0℃	n40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
10℃	n40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
20℃	n40	5510	Ant2	5510	0	0	25	Pass
30℃	n40	5510	Ant2	5510	0	0	25	Pass
40℃	n40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
50℃	n40	5510	Ant2	5509.96	-40000	-7.26	25	Pass
-10℃	n40	5550	Ant1	5550.04	40000	7.21	25	Pass
0℃	n40	5550	Ant1	5550.04	40000	7.21	25	Pass
10℃	n40	5550	Ant1	5550	0	0	25	Pass
20℃	n40	5550	Ant1	5549.96	-40000	-7.21	25	Pass
30℃	n40	5550	Ant1	5549.96	-40000	-7.21	25	Pass
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

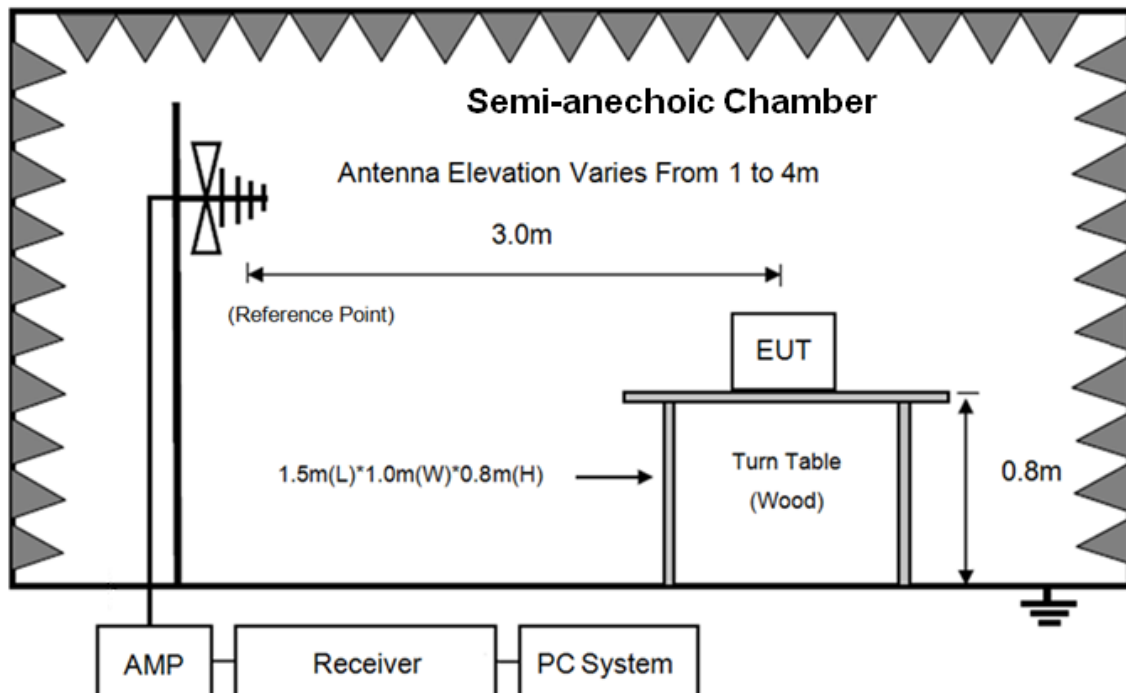
8. Emissions in restricted frequency bands

8.1. Block diagram of test setup

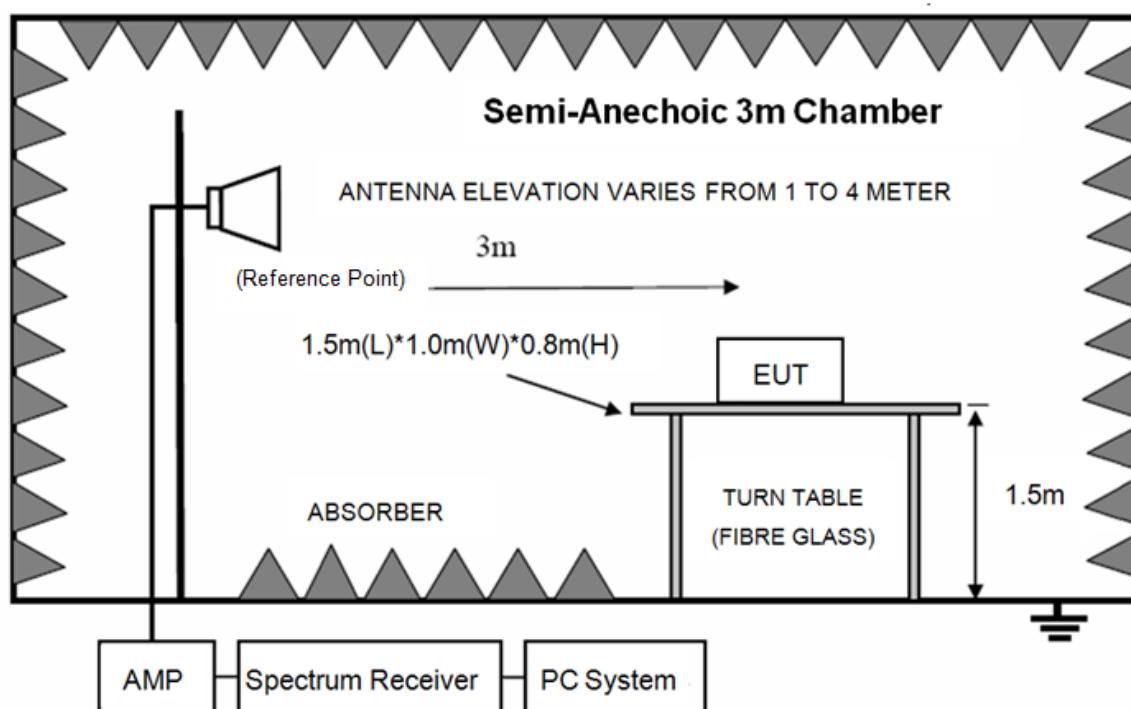
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



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:

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

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)

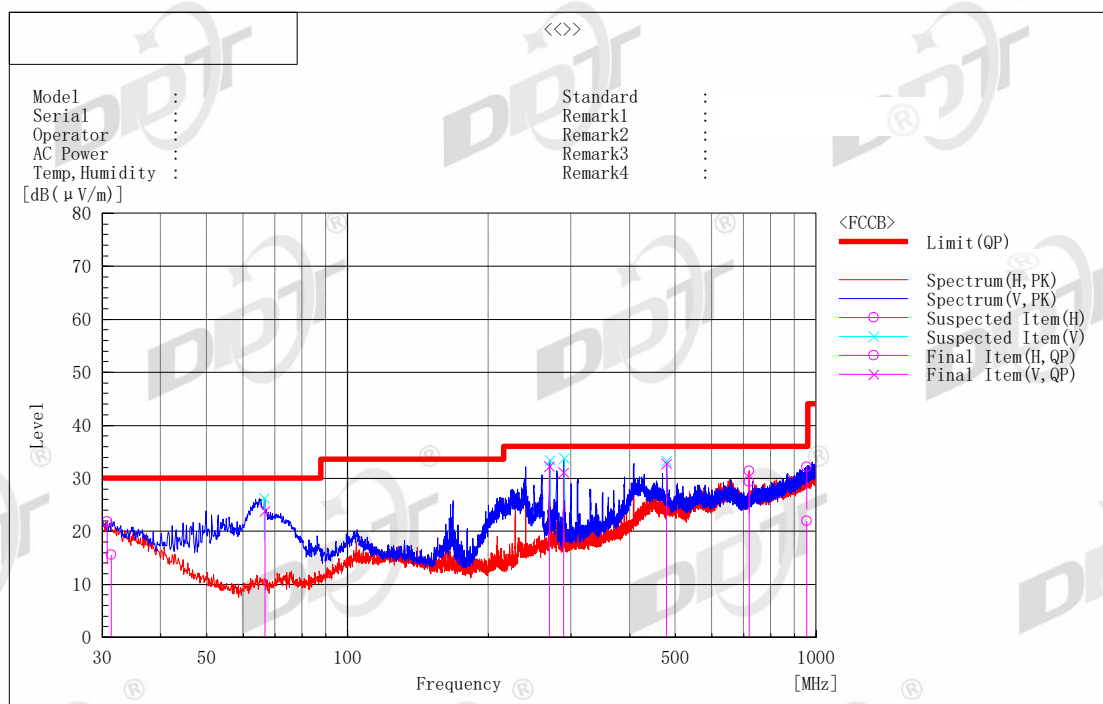
All the emissions except fundamental emission from 9kHz to 40GHz were comply with 15.209 limit.

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	31.298	H	21.3	-5.7	15.6	30.0	14.4	313.0	281.8	1	
2	720.032	H	28.2	1.2	29.4	36.0	6.6	387.0	189.4	1	
3	955.831	H	16.8	5.2	22.0	36.0	14.0	379.0	16.4	1	
4	66.587	V	41.0	-17.1	23.9	30.0	6.1	286.0	20.7	2	
5	269.952	V	40.7	-8.4	32.3	36.0	3.7	131.0	265.6	2	
6	289.559	V	39.0	-7.9	31.1	36.0	4.9	123.0	42.2	2	
7	480.018	V	34.9	-2.1	32.8	36.0	3.2	117.0	320.9	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								
8100.00	48.04	37.08	-31.38	53.74	54.00	-0.26	Average	HORIZONTAL
8100.00	48.95	37.08	-31.38	54.65	74.00	-19.35	Peak	HORIZONTAL
10365.00	43.30	38.45	-29.68	52.07	74.00	-21.93	Peak	HORIZONTAL
12555.00	42.43	38.70	-29.18	51.95	74.00	-22.05	Peak	HORIZONTAL
15540.00	42.34	38.22	-27.91	52.65	74.00	-21.35	Peak	HORIZONTAL
17730.00	38.92	42.58	-27.61	53.89	74.00	-20.11	Peak	HORIZONTAL
3195.00	52.04	29.67	-32.08	49.63	74.00	-24.37	Peak	VERTICAL
8100.00	47.74	37.08	-31.38	53.44	74.00	-20.56	Peak	VERTICAL
10350.00	42.55	38.44	-29.71	51.28	74.00	-22.72	Peak	VERTICAL
13320.00	41.79	40.08	-29.17	52.70	74.00	-21.30	Peak	VERTICAL
14775.00	40.95	39.76	-26.94	53.77	74.00	-20.23	Peak	VERTICAL
17115.00	38.39	42.36	-26.80	53.95	74.00	-20.05	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	48.08	36.49	-31.25	53.32	74.00	-20.68	Peak	HORIZONTAL
8100.00	48.04	37.08	-31.38	53.74	74.00	-20.26	Peak	HORIZONTAL
10410.00	44.07	38.46	-29.62	52.91	74.00	-21.09	Peak	HORIZONTAL
13980.00	39.27	41.36	-28.44	52.19	74.00	-21.81	Peak	HORIZONTAL
16305.00	40.73	39.29	-27.12	52.90	74.00	-21.10	Peak	HORIZONTAL
6000.00	46.89	35.30	-31.80	50.39	74.00	-23.61	Peak	VERTICAL
8100.00	47.84	37.08	-31.38	53.54	74.00	-20.46	Peak	VERTICAL
9000.00	43.47	37.70	-30.52	50.65	74.00	-23.35	Peak	VERTICAL
10380.00	43.19	38.45	-29.65	51.99	74.00	-22.01	Peak	VERTICAL
13605.00	40.16	40.61	-29.13	51.64	74.00	-22.36	Peak	VERTICAL
17220.00	38.04	42.51	-26.90	53.65	74.00	-20.35	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5240MHz								
6990.00	47.48	36.58	-31.33	52.73	74.00	-21.27	Peak	HORIZONTAL
8100.00	47.84	37.08	-31.38	53.54	54.00	-0.46	Average	HORIZONTAL
8100.00	49.39	37.08	-31.38	55.09	74.00	-18.91	Peak	HORIZONTAL
10485.00	44.33	38.49	-29.58	53.24	74.00	-20.76	Peak	HORIZONTAL
13440.00	41.02	40.29	-29.28	52.03	74.00	-21.97	Peak	HORIZONTAL
15735.00	42.07	38.34	-27.47	52.94	74.00	-21.06	Peak	HORIZONTAL
5985.00	44.98	35.26	-31.86	48.38	74.00	-25.62	Peak	VERTICAL
6990.00	45.96	36.58	-31.33	51.21	74.00	-22.79	Peak	VERTICAL
8100.00	47.39	37.08	-31.38	53.09	74.00	-20.91	Peak	VERTICAL
10485.00	43.00	38.49	-29.58	51.91	74.00	-22.09	Peak	VERTICAL
12975.00	42.44	39.46	-29.58	52.32	74.00	-21.68	Peak	VERTICAL
16665.00	39.11	40.59	-26.45	53.25	74.00	-20.75	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								
3615.00	45.63	30.68	-31.98	44.33	74.00	-29.67	Peak	HORIZONTAL
7020.00	45.98	36.63	-31.02	51.59	74.00	-22.41	Peak	HORIZONTAL
8100.00	48.10	37.08	-31.38	53.80	74.00	-20.20	Peak	HORIZONTAL
10530.00	43.22	38.51	-29.51	52.22	74.00	-21.78	Peak	HORIZONTAL
14595.00	39.87	40.38	-26.84	53.41	74.00	-20.59	Peak	HORIZONTAL
16740.00	38.66	40.95	-26.25	53.36	74.00	-20.64	Peak	HORIZONTAL
4200.00	45.05	31.72	-32.05	44.72	74.00	-29.28	Peak	VERTICAL
6000.00	46.20	35.30	-31.80	49.70	74.00	-24.30	Peak	VERTICAL
8100.00	48.05	37.08	-31.38	53.75	74.00	-20.25	Peak	VERTICAL
10515.00	43.79	38.51	-29.54	52.76	74.00	-21.24	Peak	VERTICAL
14115.00	39.91	41.24	-28.02	53.13	74.00	-20.87	Peak	VERTICAL
17355.00	37.33	42.70	-27.00	53.03	74.00	-20.97	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5280MHz								
3600.00	45.35	30.64	-32.08	43.91	74.00	-30.09	Peak	HORIZONTAL
7035.00	46.23	36.66	-30.74	52.15	74.00	-21.85	Peak	HORIZONTAL
8100.00	47.89	37.08	-31.38	53.59	74.00	-20.41	Peak	HORIZONTAL
10560.00	43.48	38.52	-29.46	52.54	74.00	-21.46	Peak	HORIZONTAL
14745.00	39.58	39.87	-27.18	52.27	74.00	-21.73	Peak	HORIZONTAL
15840.00	42.12	38.40	-27.91	52.61	74.00	-21.39	Peak	HORIZONTAL
3735.00	47.65	30.96	-32.41	46.20	74.00	-27.80	Peak	VERTICAL
6000.00	45.24	35.30	-31.80	48.74	74.00	-25.26	Peak	VERTICAL
8100.00	47.69	37.08	-31.38	53.39	74.00	-20.61	Peak	VERTICAL
10560.00	43.49	38.52	-29.46	52.55	74.00	-21.45	Peak	VERTICAL
14190.00	38.98	41.13	-27.16	52.95	74.00	-21.05	Peak	VERTICAL
17145.00	37.76	42.40	-26.85	53.31	74.00	-20.69	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5320MHz								
3600.00	45.31	30.64	-32.08	43.87	74.00	-30.13	Peak	HORIZONTAL
7095.00	46.80	36.75	-31.03	52.52	74.00	-21.48	Peak	HORIZONTAL
8100.00	48.23	37.08	-31.38	53.93	74.00	-20.07	Peak	HORIZONTAL
10635.00	43.03	38.55	-29.41	52.17	74.00	-21.83	Peak	HORIZONTAL
14160.00	39.72	41.18	-27.51	53.39	74.00	-20.61	Peak	HORIZONTAL
17865.00	38.00	42.39	-27.11	53.28	74.00	-20.72	Peak	HORIZONTAL
3735.00	46.04	30.96	-32.41	44.59	74.00	-29.41	Peak	VERTICAL
5985.00	46.54	35.26	-31.86	49.94	74.00	-24.06	Peak	VERTICAL
8100.00	47.55	37.08	-31.38	53.25	74.00	-20.75	Peak	VERTICAL
10635.00	43.45	38.55	-29.41	52.59	74.00	-21.41	Peak	VERTICAL
14565.00	39.30	40.48	-27.16	52.62	74.00	-21.38	Peak	VERTICAL
17370.00	37.58	42.72	-27.06	53.24	74.00	-20.76	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								
3600.00	45.32	30.64	-32.08	43.88	74.00	-30.12	Peak	HORIZONTAL
8100.00	48.04	37.08	-31.38	53.74	54.00	-0.26	Average	HORIZONTAL
8100.00	50.16	37.08	-31.38	55.86	74.00	-18.14	Peak	HORIZONTAL
10995.00	43.24	38.70	-28.86	53.08	74.00	-20.92	Peak	HORIZONTAL
14220.00	39.64	41.09	-27.27	53.46	74.00	-20.54	Peak	HORIZONTAL
16500.00	39.40	39.80	-26.74	52.46	74.00	-21.54	Peak	HORIZONTAL
3750.00	46.50	31.00	-32.47	45.03	74.00	-28.97	Peak	VERTICAL
6000.00	46.17	35.30	-31.80	49.67	74.00	-24.33	Peak	VERTICAL
8100.00	48.13	37.08	-31.38	53.83	74.00	-20.17	Peak	VERTICAL
10995.00	42.24	38.70	-28.86	52.08	74.00	-21.92	Peak	VERTICAL
14160.00	39.48	41.18	-27.51	53.15	74.00	-20.85	Peak	VERTICAL
17280.00	37.31	42.59	-26.82	53.08	74.00	-20.92	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5580MHz								
3615.00	45.47	30.68	-31.98	44.17	74.00	-29.83	Peak	HORIZONTAL
8100.00	47.68	37.08	-31.38	53.38	54.00	-0.62	Average	HORIZONTAL
8100.00	49.32	37.08	-31.38	55.02	74.00	-18.98	Peak	HORIZONTAL
11160.00	42.03	38.70	-28.46	52.27	74.00	-21.73	Peak	HORIZONTAL
14010.00	39.39	41.39	-28.38	52.40	74.00	-21.60	Peak	HORIZONTAL
16635.00	38.95	40.45	-26.37	53.03	74.00	-20.97	Peak	HORIZONTAL
3195.00	46.62	29.67	-32.08	44.21	74.00	-29.79	Peak	VERTICAL
6000.00	45.72	35.30	-31.80	49.22	74.00	-24.78	Peak	VERTICAL
8100.00	47.35	37.08	-31.38	53.05	74.00	-20.95	Peak	VERTICAL
11145.00	42.51	38.70	-28.51	52.70	74.00	-21.30	Peak	VERTICAL
13380.00	41.92	40.18	-29.37	52.73	74.00	-21.27	Peak	VERTICAL
16725.00	38.59	40.88	-26.36	53.11	74.00	-20.89	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5700MHz								
3600.00	44.42	30.64	-32.08	42.98	74.00	-31.02	Peak	HORIZONTAL
8100.00	47.78	37.08	-31.38	53.48	74.00	-20.52	Peak	HORIZONTAL
10380.00	40.74	38.45	-29.65	49.54	74.00	-24.46	Peak	HORIZONTAL
11400.00	42.92	38.70	-28.64	52.98	74.00	-21.02	Peak	HORIZONTAL
13650.00	40.94	40.70	-29.02	52.62	74.00	-21.38	Peak	HORIZONTAL
17085.00	37.50	42.32	-26.65	53.17	74.00	-20.83	Peak	HORIZONTAL
3750.00	46.47	31.00	-32.47	45.00	74.00	-29.00	Peak	VERTICAL
5985.00	46.28	35.26	-31.86	49.68	74.00	-24.32	Peak	VERTICAL
8100.00	48.06	37.08	-31.38	53.76	74.00	-20.24	Peak	VERTICAL
11400.00	42.01	38.70	-28.64	52.07	74.00	-21.93	Peak	VERTICAL
14190.00	38.71	41.13	-27.16	52.68	74.00	-21.32	Peak	VERTICAL
17100.00	37.46	42.34	-26.78	53.02	74.00	-20.98	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								
3600.00	44.37	30.64	-32.08	42.93	74.00	-31.07	Peak	HORIZONTAL
8100.00	47.58	37.08	-31.38	53.28	74.00	-20.72	Peak	HORIZONTAL
11490.00	43.14	38.70	-28.61	53.23	74.00	-20.77	Peak	HORIZONTAL
12945.00	42.46	39.40	-29.42	52.44	74.00	-21.56	Peak	HORIZONTAL
14775.00	39.32	39.76	-26.94	52.14	74.00	-21.86	Peak	HORIZONTAL
17235.00	37.84	42.53	-26.88	53.49	74.00	-20.51	Peak	HORIZONTAL
3150.00	47.37	29.56	-32.56	44.37	74.00	-29.63	Peak	VERTICAL
6000.00	45.66	35.30	-31.80	49.16	74.00	-24.84	Peak	VERTICAL
8100.00	48.18	37.08	-31.38	53.88	74.00	-20.12	Peak	VERTICAL
11490.00	41.82	38.70	-28.61	51.91	74.00	-22.09	Peak	VERTICAL
13065.00	42.43	39.62	-29.26	52.79	74.00	-21.21	Peak	VERTICAL
16980.00	36.96	42.10	-26.07	52.99	74.00	-21.01	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5785MHz								
3600.00	44.86	30.64	-32.08	43.42	74.00	-30.58	Peak	HORIZONTAL
8100.00	48.07	37.08	-31.38	53.77	54.00	-0.23	Average	HORIZONTAL
8100.00	49.53	37.08	-31.38	55.23	74.00	-18.77	Peak	HORIZONTAL
11595.00	42.27	38.68	-28.62	52.33	74.00	-21.67	Peak	HORIZONTAL
13275.00	41.70	40.00	-29.24	52.46	74.00	-21.54	Peak	HORIZONTAL
16755.00	38.24	41.02	-26.14	53.12	74.00	-20.88	Peak	HORIZONTAL
3735.00	46.50	30.96	-32.41	45.05	74.00	-28.95	Peak	VERTICAL
8100.00	47.93	37.08	-31.38	53.63	74.00	-20.37	Peak	VERTICAL
11550.00	42.23	38.69	-28.62	52.30	74.00	-21.70	Peak	VERTICAL
13755.00	40.52	40.91	-28.95	52.48	74.00	-21.52	Peak	VERTICAL
15270.00	40.79	38.57	-27.45	51.91	74.00	-22.09	Peak	VERTICAL
17010.00	37.30	42.21	-25.97	53.54	74.00	-20.46	Peak	VERTICAL
Tx mode: 11ac20 MCS0 Ant1+Ant2 5825MHz								
3600.00	44.87	30.64	-32.08	43.43	74.00	-30.57	Peak	HORIZONTAL
8100.00	47.64	37.08	-31.38	53.34	54.00	-0.66	Average	HORIZONTAL
8100.00	49.27	37.08	-31.38	54.97	74.00	-19.03	Peak	HORIZONTAL
11625.00	41.98	38.67	-28.62	52.03	74.00	-21.97	Peak	HORIZONTAL
14220.00	39.04	41.09	-27.27	52.86	74.00	-21.14	Peak	HORIZONTAL
17445.00	38.04	42.82	-27.23	53.63	74.00	-20.37	Peak	HORIZONTAL
3990.00	46.83	31.58	-32.11	46.30	74.00	-27.70	Peak	VERTICAL
8100.00	48.17	37.08	-31.38	53.87	74.00	-20.13	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
13620.00	41.07	40.64	-29.09	52.62	74.00	-21.38	Peak	VERTICAL
16110.00	41.42	38.79	-27.22	52.99	74.00	-21.01	Peak	VERTICAL
Verdict: Pass								

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

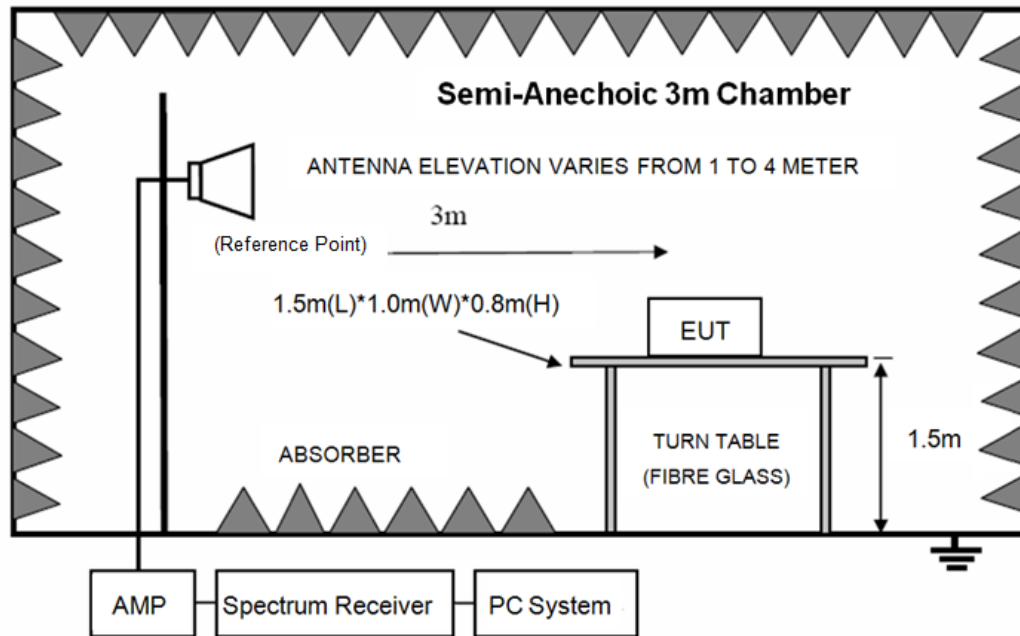
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

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= $95.2 + \text{EIRP [dBm]} = 95.2 - 27 = 122.2 \text{ dB}\mu\text{V/m}$

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

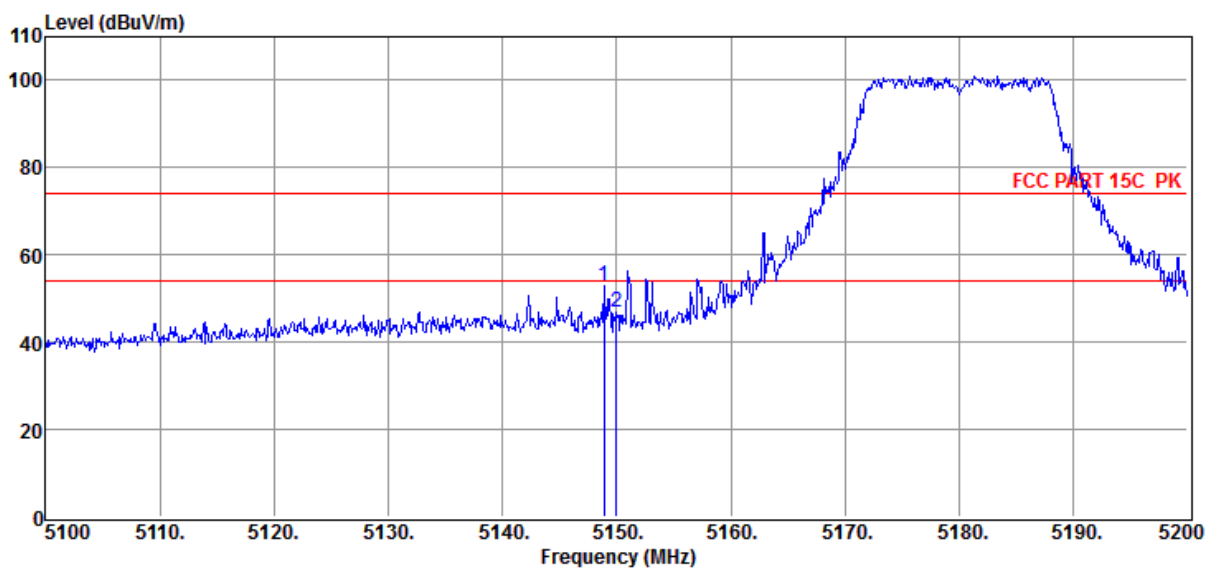
Model Number : OS-R-DR02

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

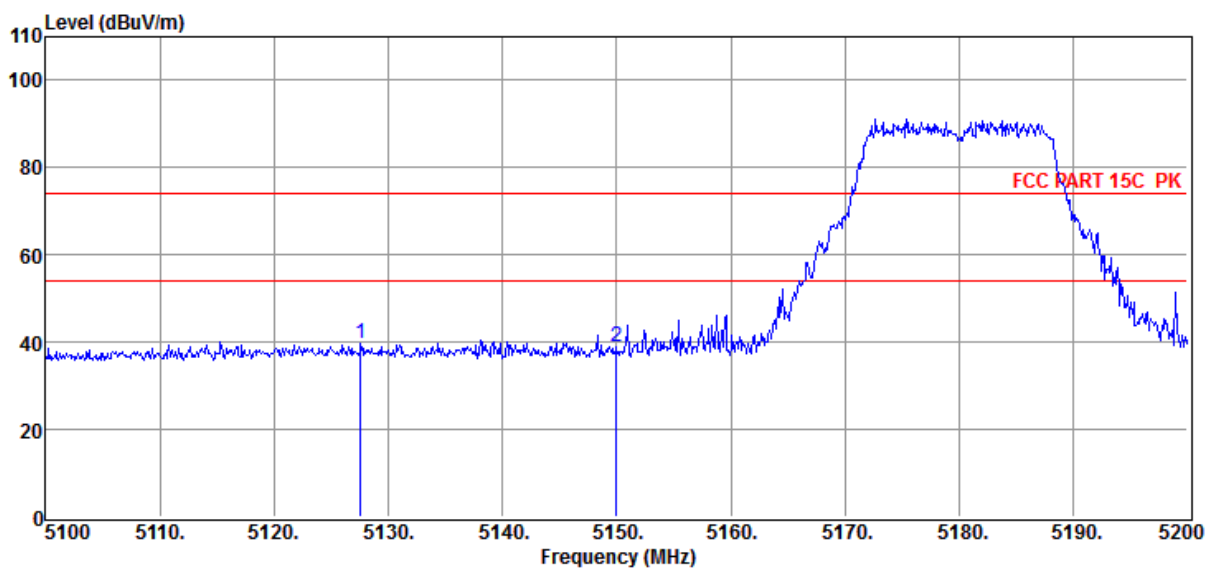
Model Number : OS-R-DR02

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

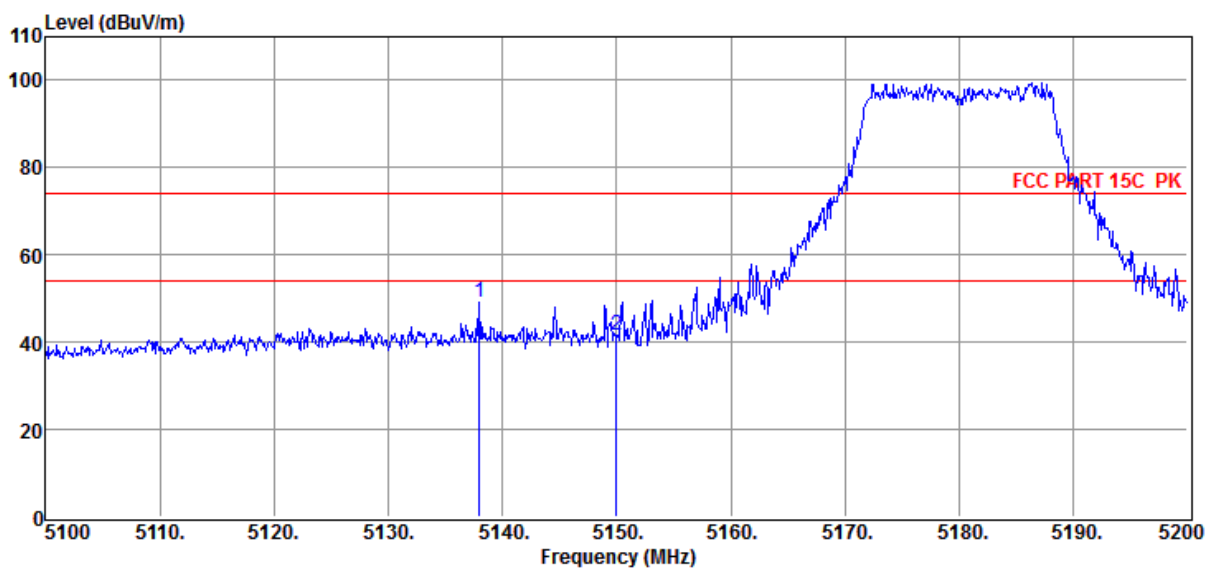
Model Number : OS-R-DR02

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

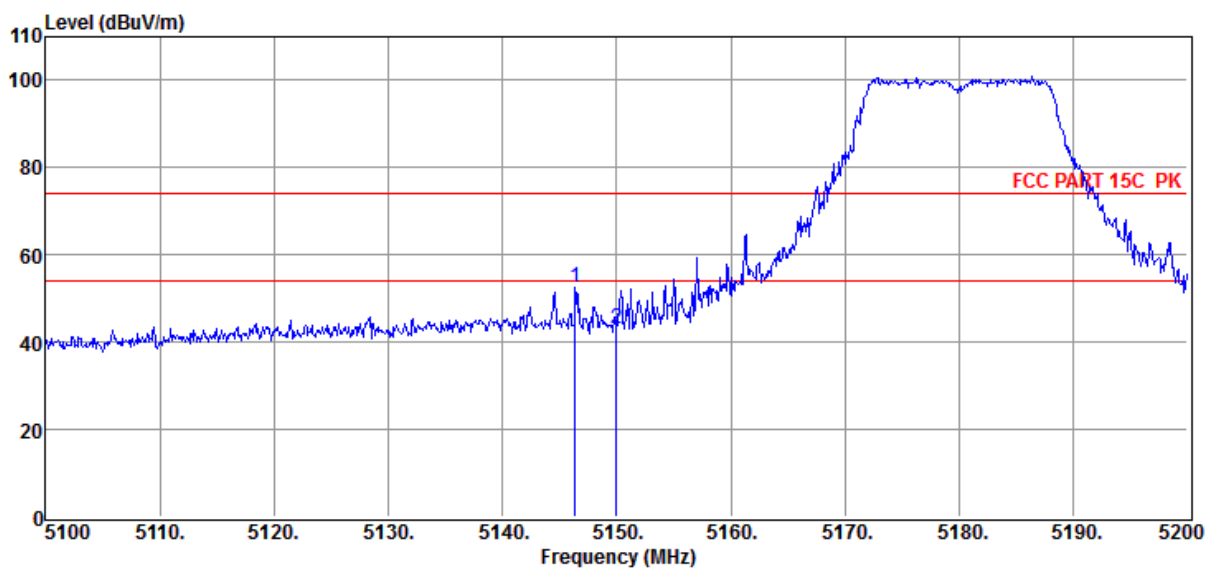
Model Number : OS-R-DR02

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

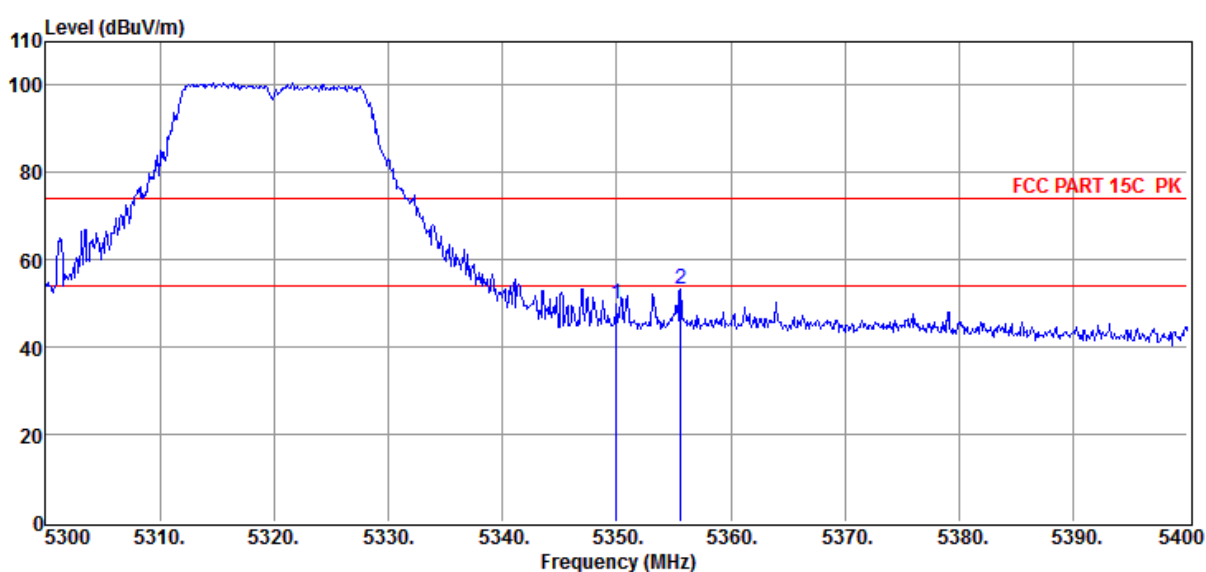
Model Number : OS-R-DR02

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

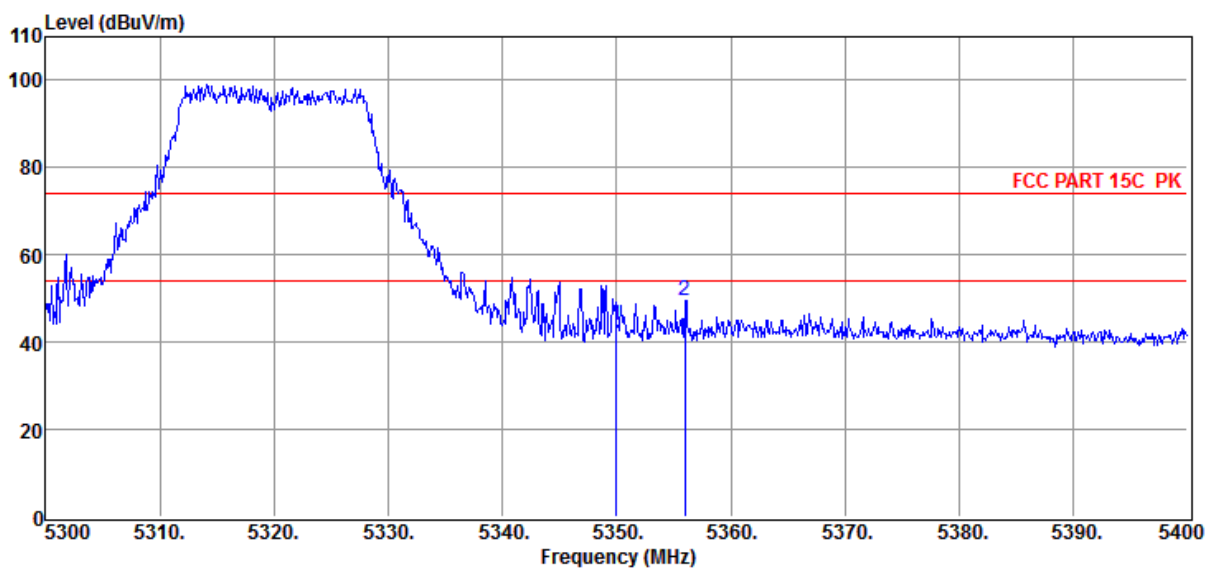
Model Number : OS-R-DR02

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

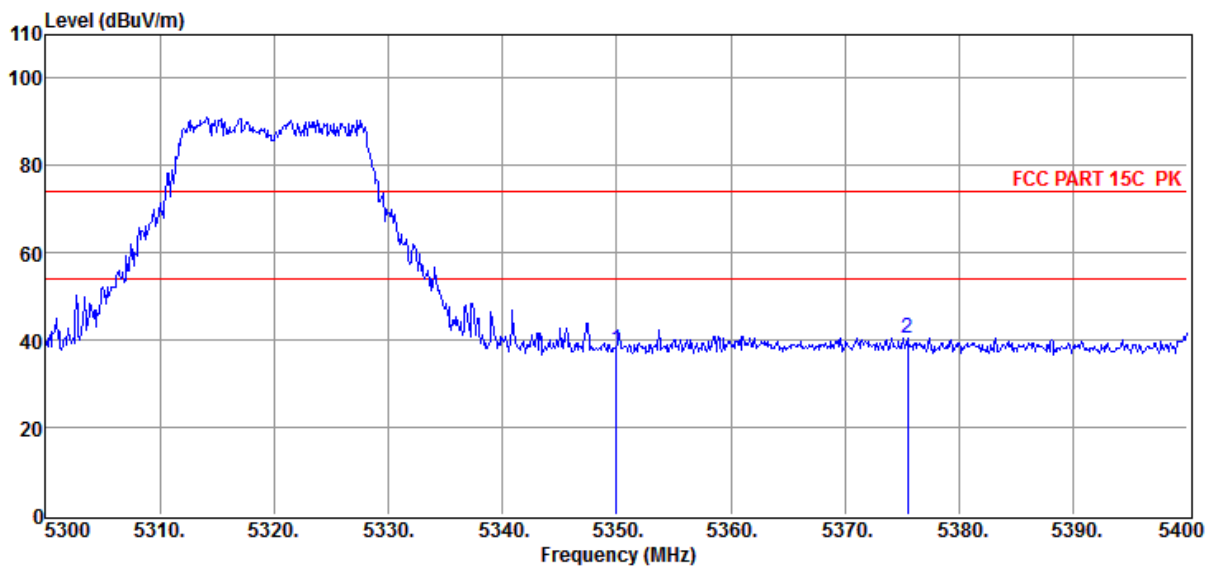
Model Number : OS-R-DR02

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

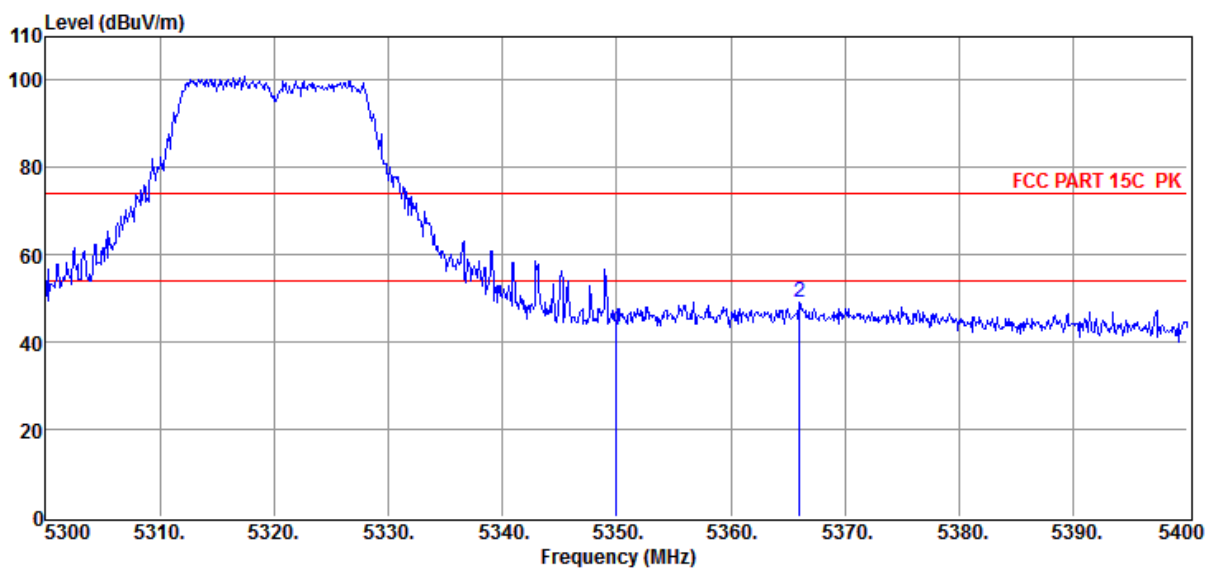
Model Number : OS-R-DR02

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

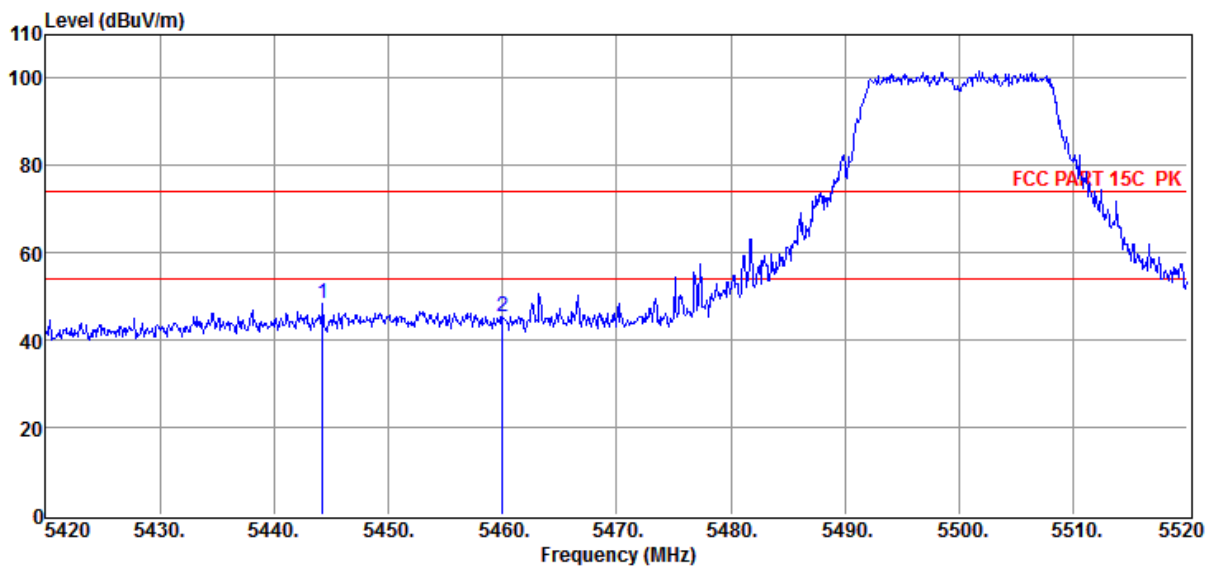
Model Number : OS-R-DR02

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

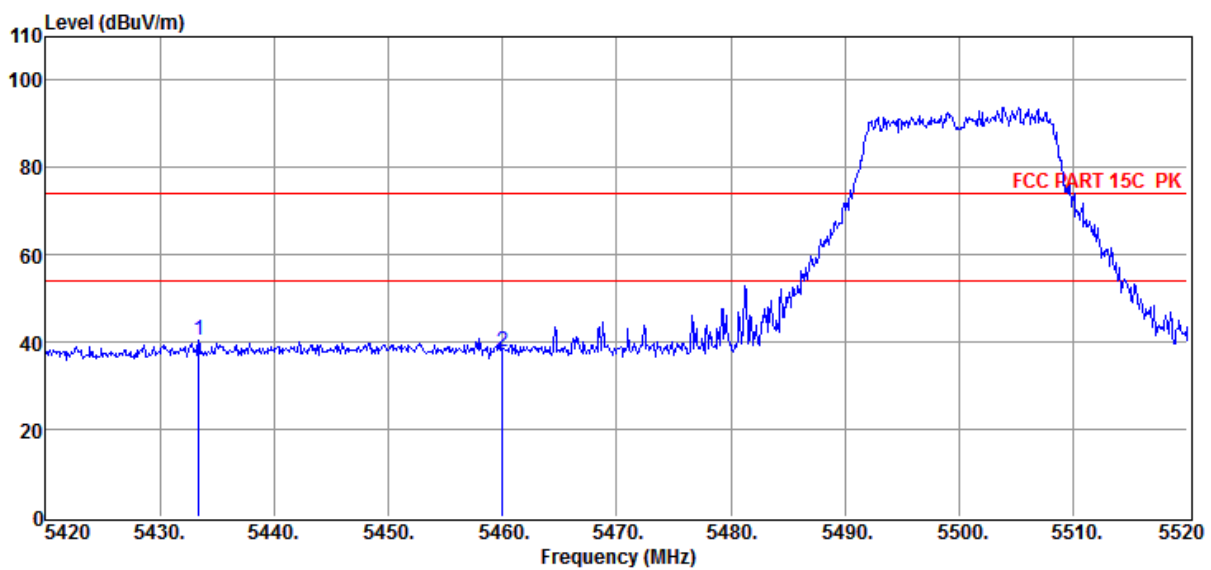
Model Number : OS-R-DR02

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

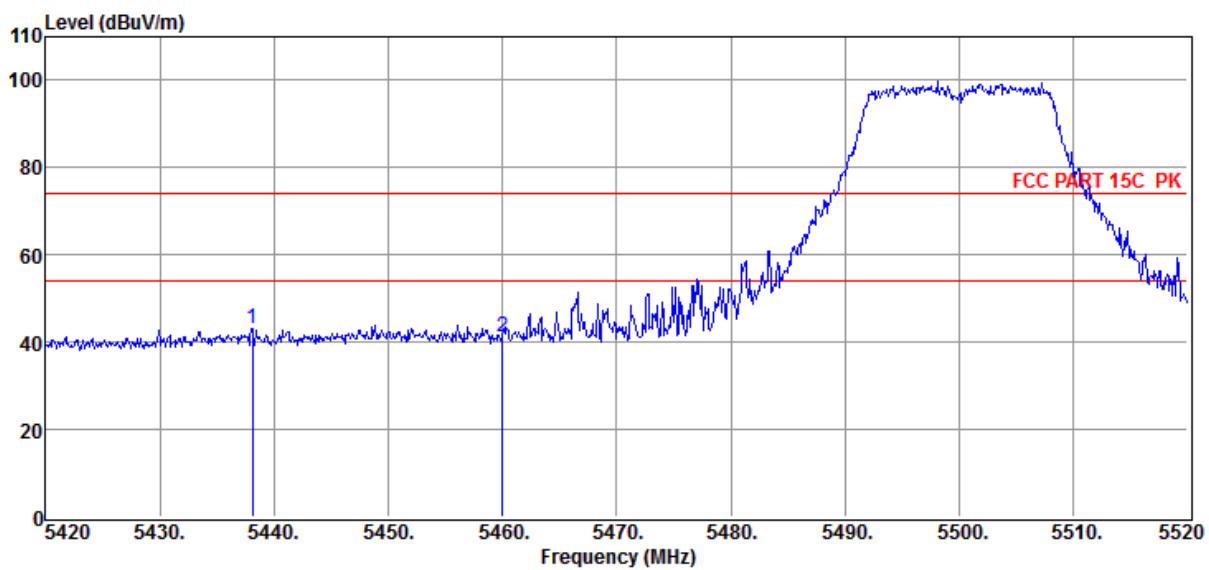
Model Number : OS-R-DR02

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

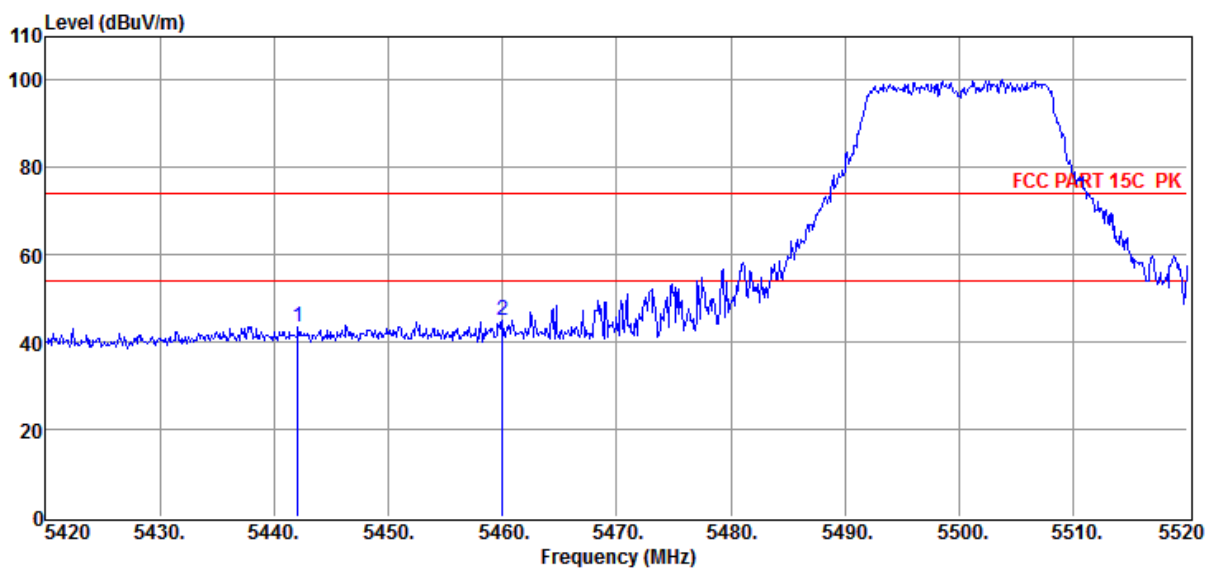
Model Number : OS-R-DR02

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

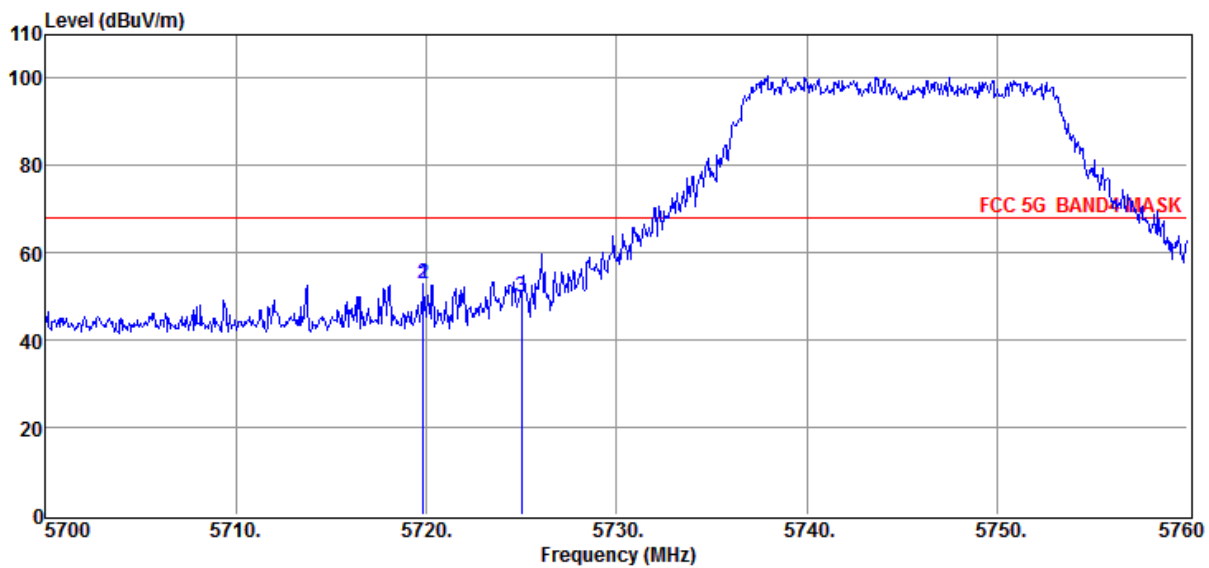
Model Number : OS-R-DR02

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

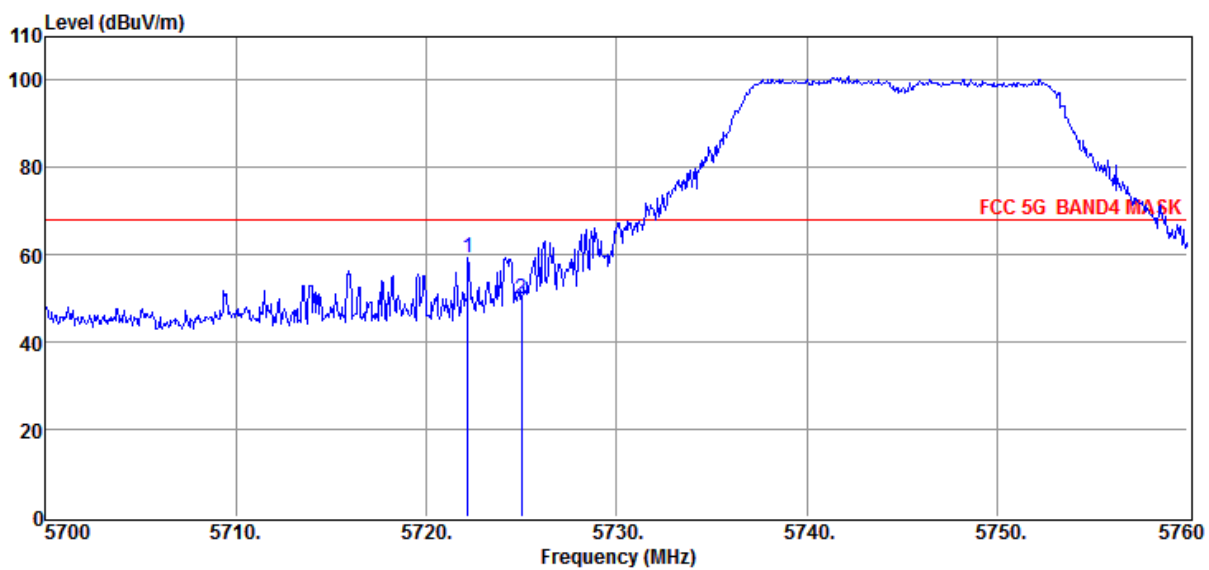
Model Number : OS-R-DR02

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

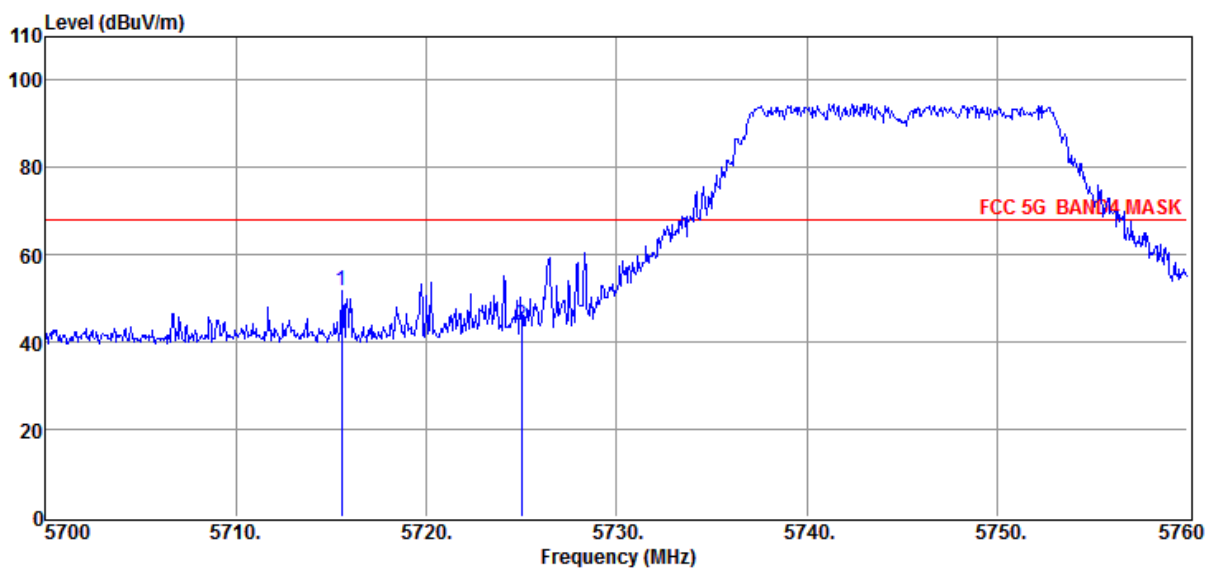
Model Number : OS-R-DR02

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

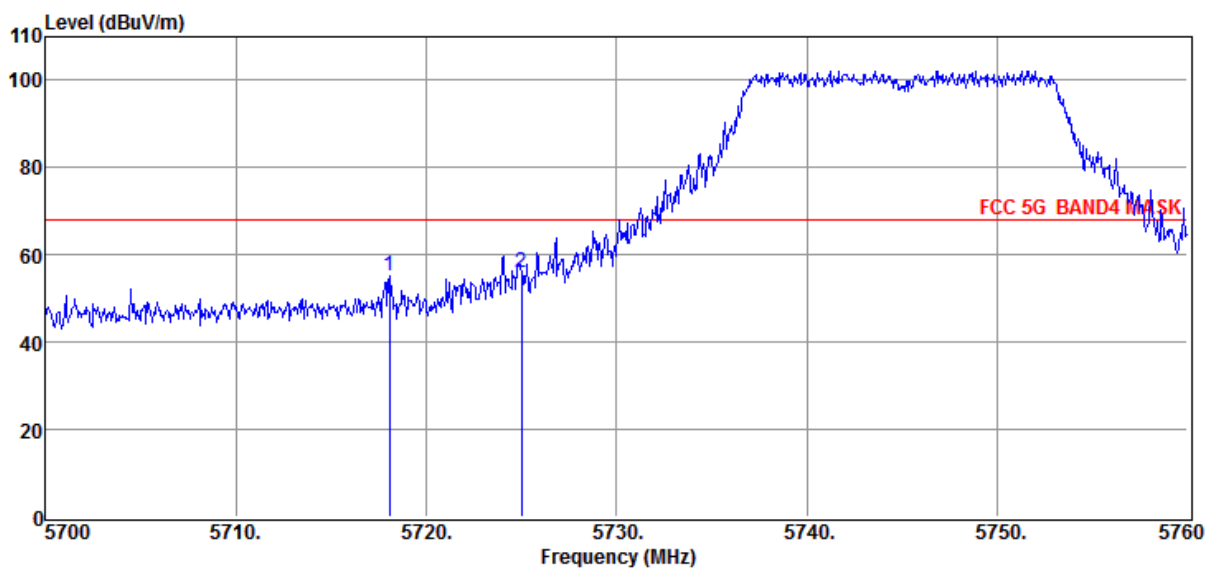
Model Number : OS-R-DR02

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

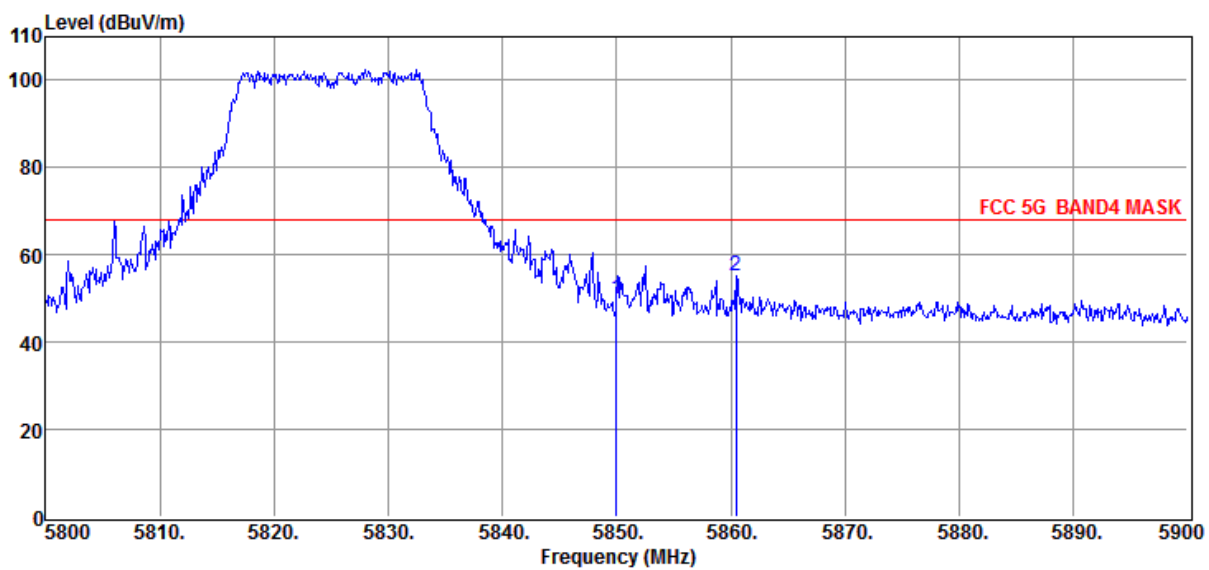
Model Number : OS-R-DR02

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

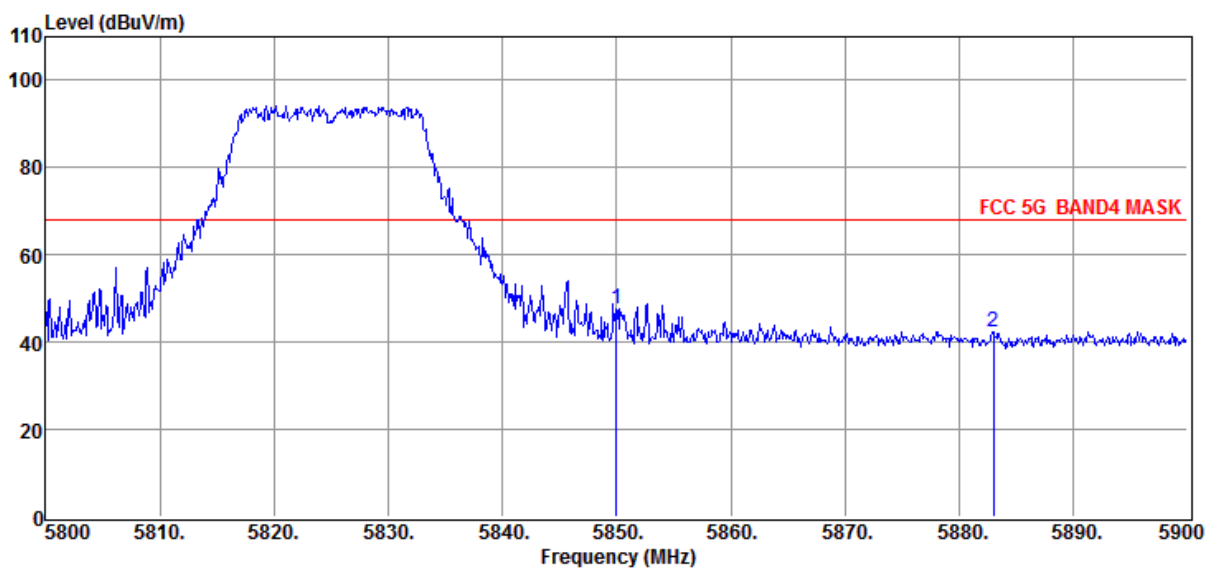
Model Number : OS-R-DR02

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

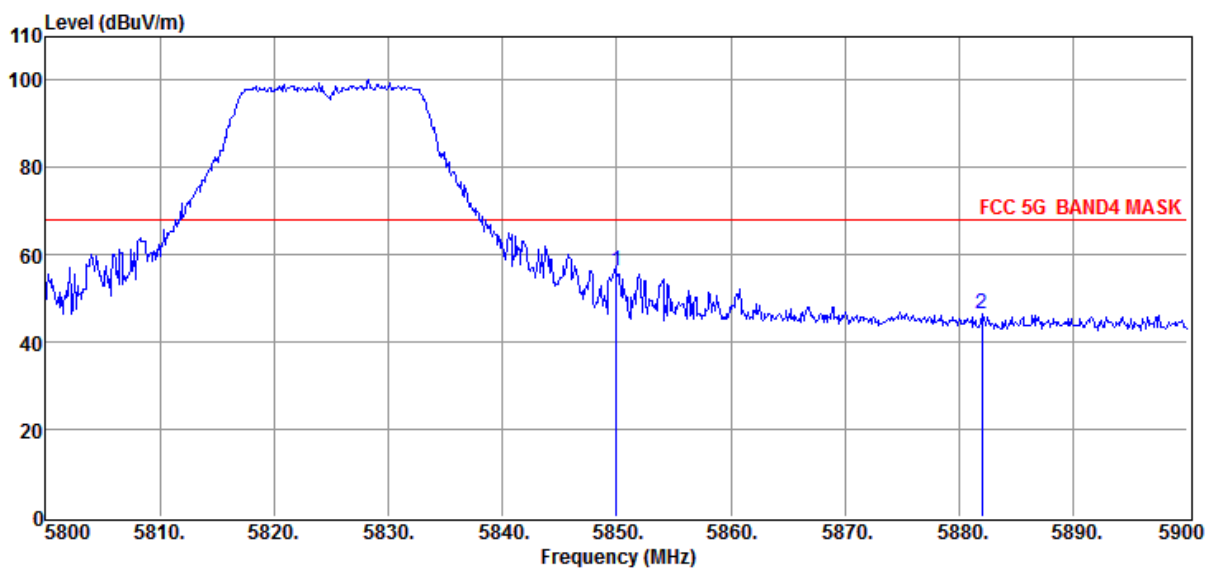
Model Number : OS-R-DR02

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

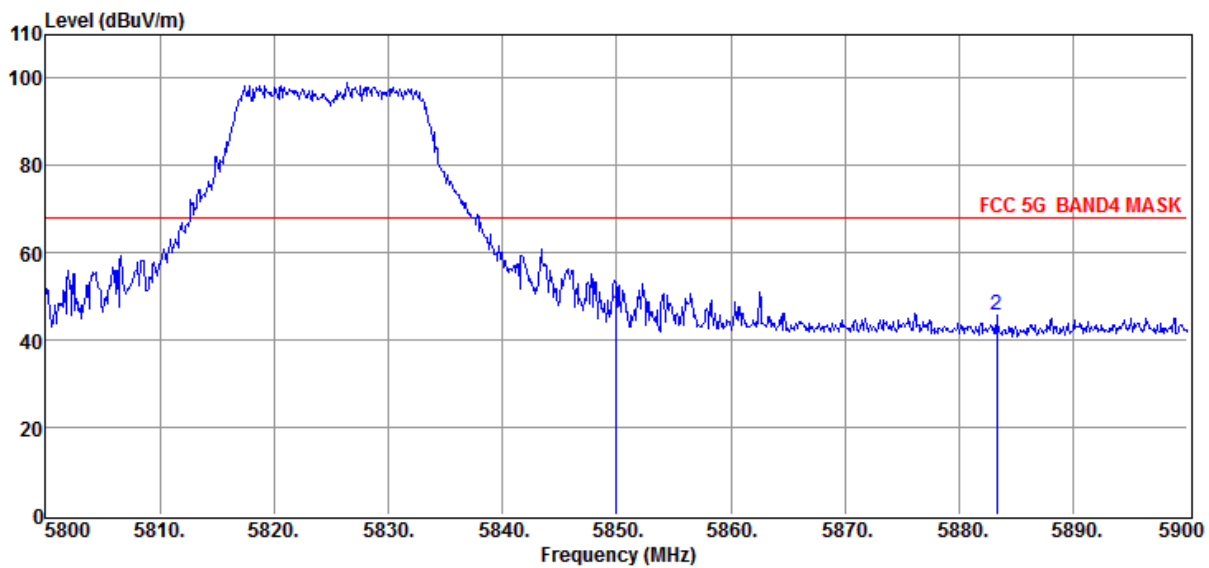
Model Number : OS-R-DR02

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

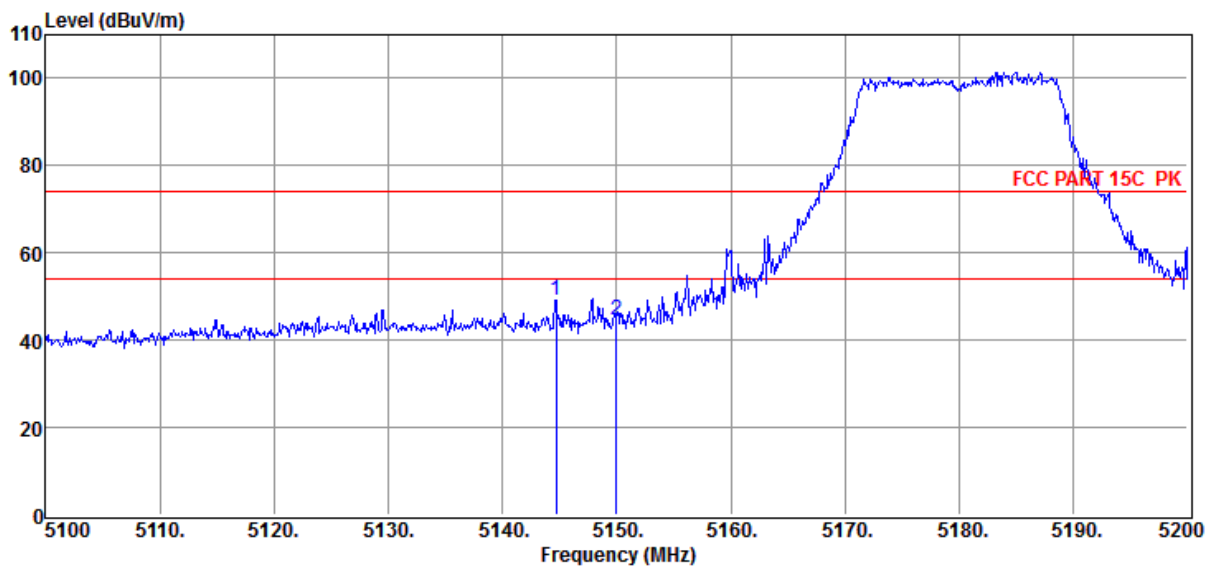
Model Number : OS-R-DR02

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

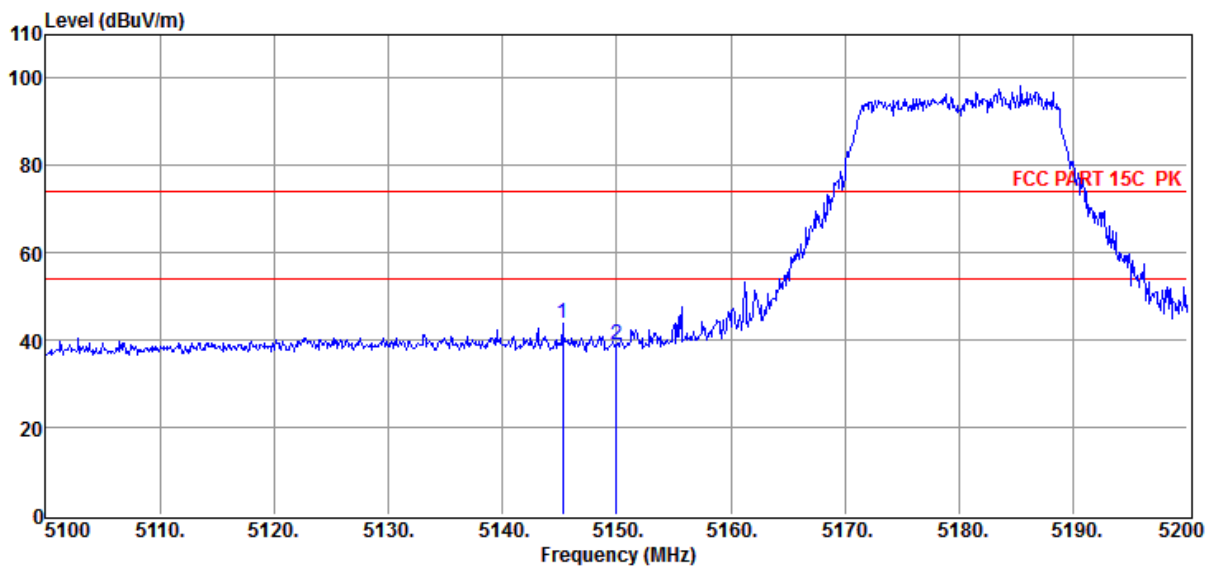
Model Number : OS-R-DR02

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

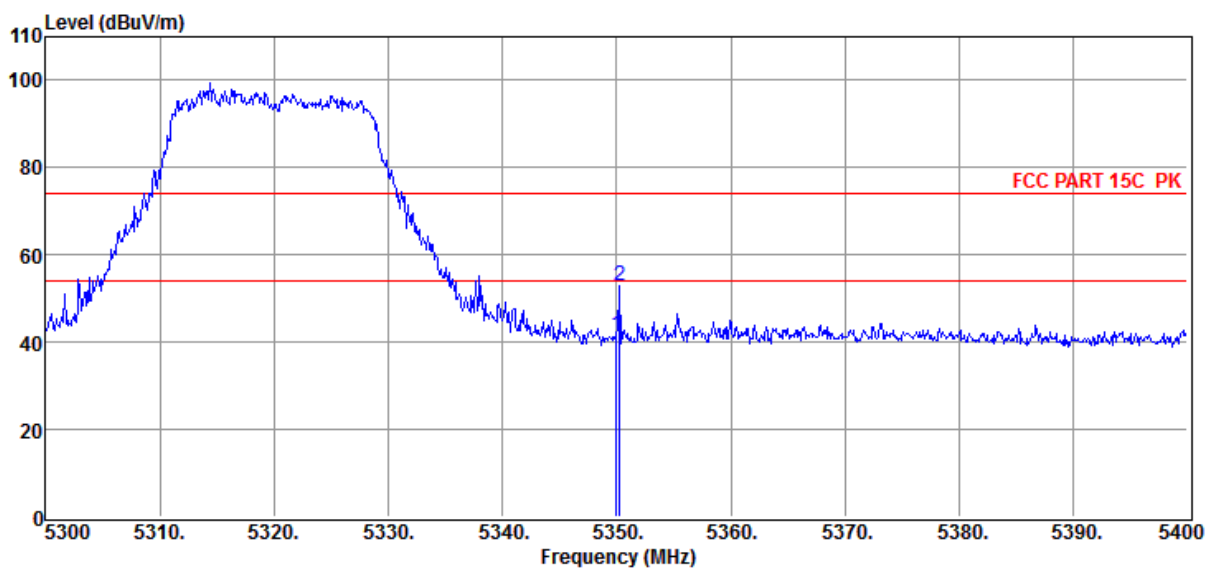
Model Number : OS-R-DR02

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.

Radiated Emission Test Result

Test Site : 10m Chamber

Test Date : 02-25-2023

Tested By : Sunny

EUT : AI Delivery Robot

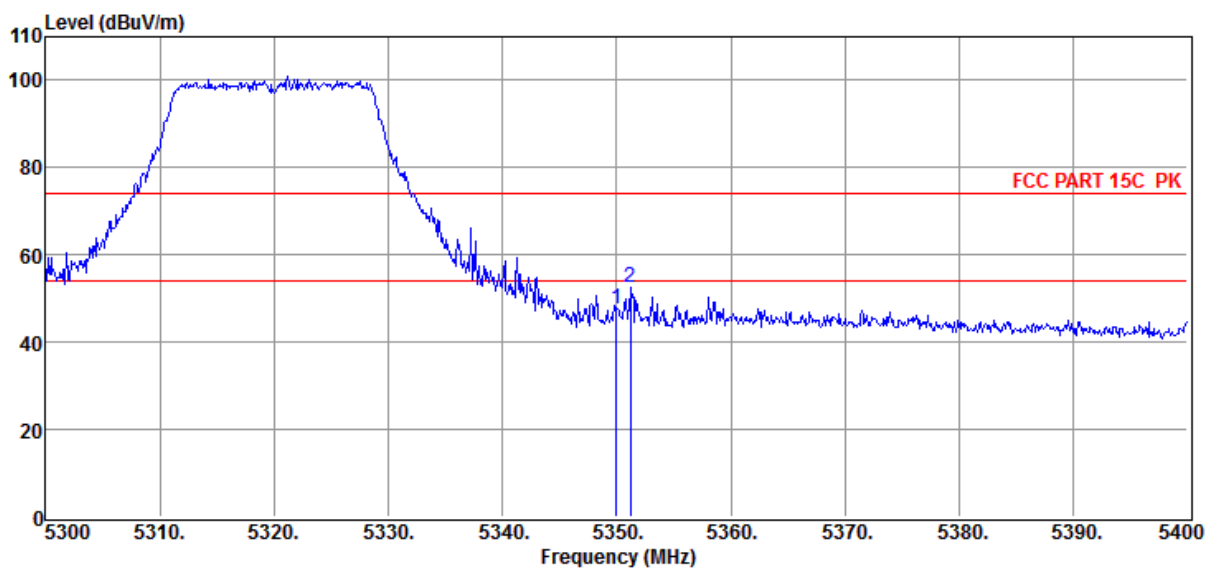
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 ANT1+ANT2 MCS0 5320MHz

Data: 150



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	45.82	33.53	-31.85	47.50	74.00	-26.50	Peak	HORIZONTAL
2	5351.20	50.73	33.53	-31.84	52.42	74.00	-21.58	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

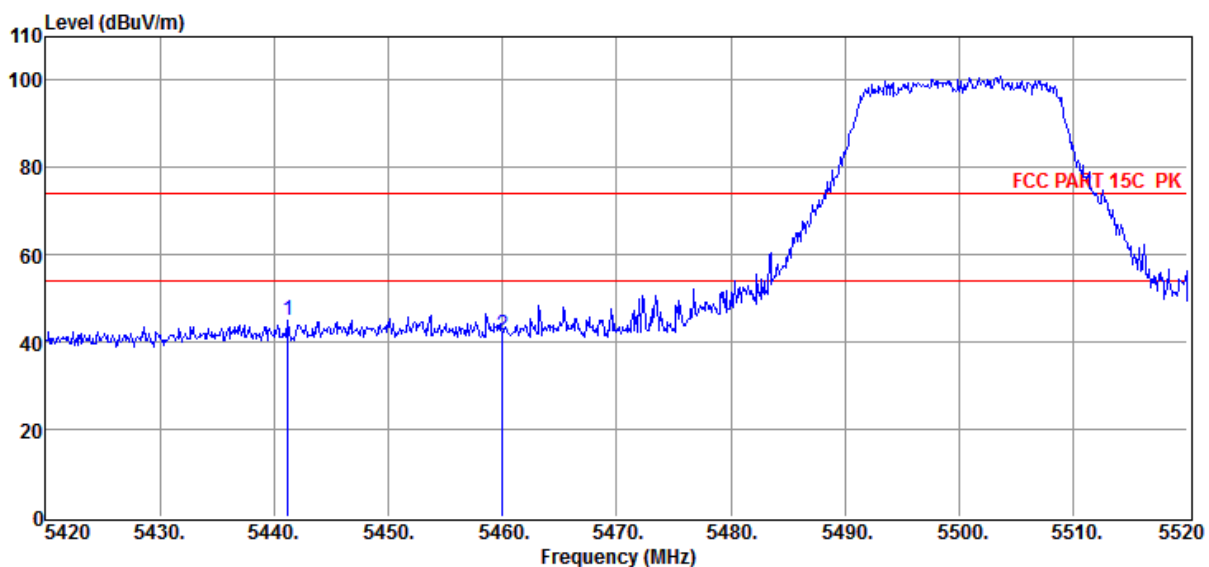
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 ANT1+ANT2 MCS0 5500MHZ

Data: 151



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	5441.20	42.75	33.69	-31.50	44.94	74.00	-29.06	Peak	HORIZONTAL
2	5460.00	39.41	33.73	-31.49	41.65	74.00	-32.35	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

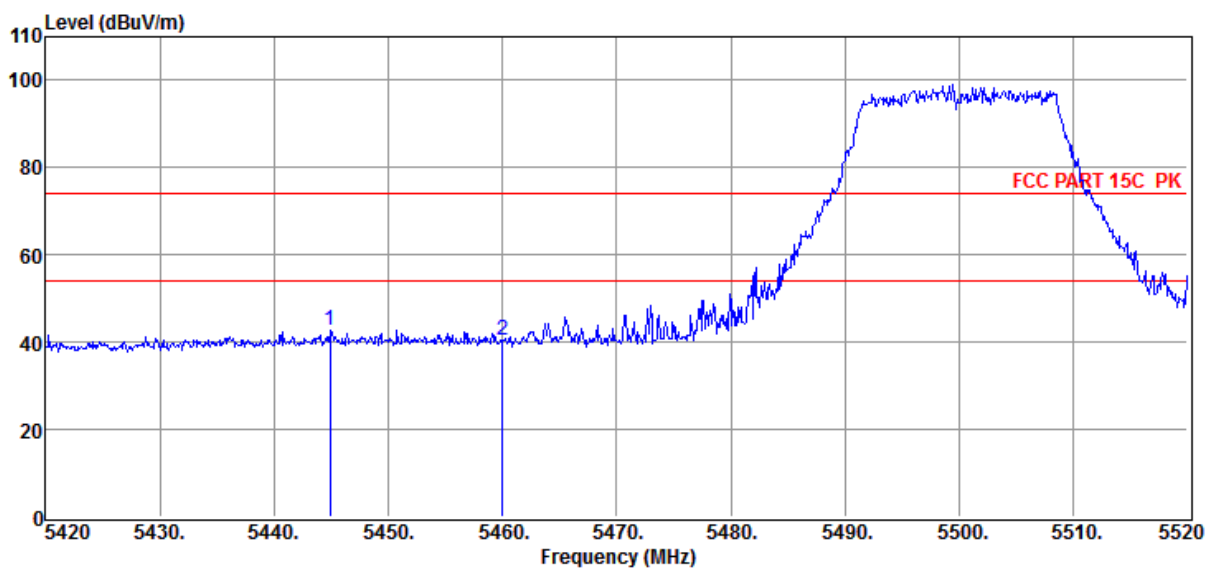
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 ANT1+ANT2 MCS0 5500MHZ

Data: 152



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	5444.90	40.43	33.70	-31.49	42.64	74.00	-31.36	Peak	VERTICAL
2	5460.00	38.32	33.73	-31.49	40.56	74.00	-33.44	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

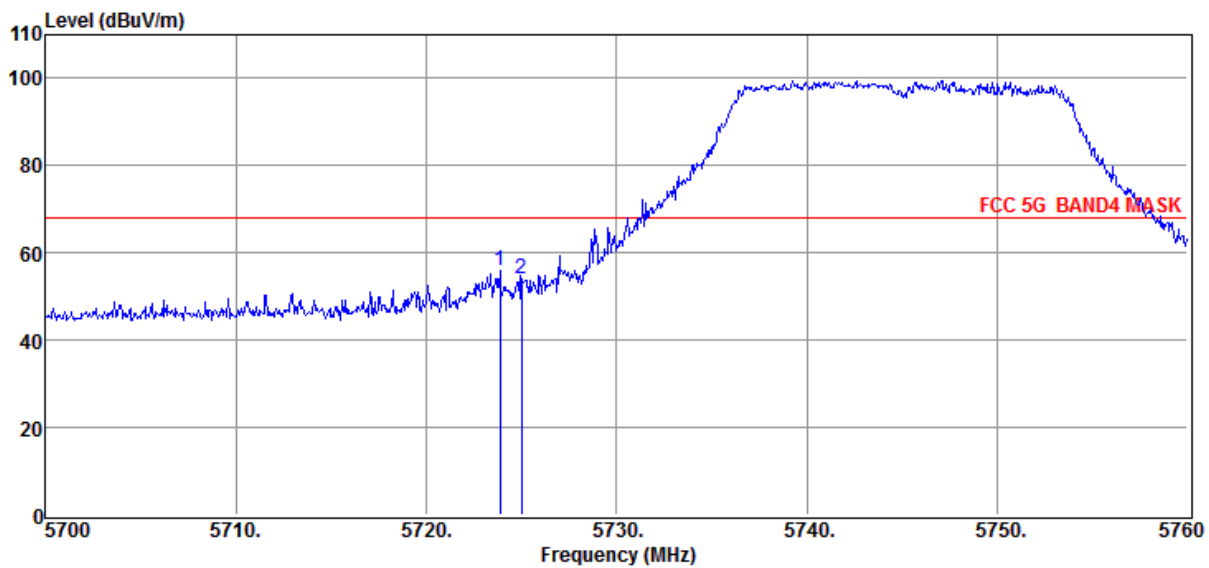
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 ANT1+ANT2 MCS0 5745MHz

Data: 153



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	5723.88	53.02	34.47	-31.68	55.81	68.20	-12.39	Peak	VERTICAL
2	5725.00	51.32	34.47	-31.69	54.10	68.20	-14.10	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

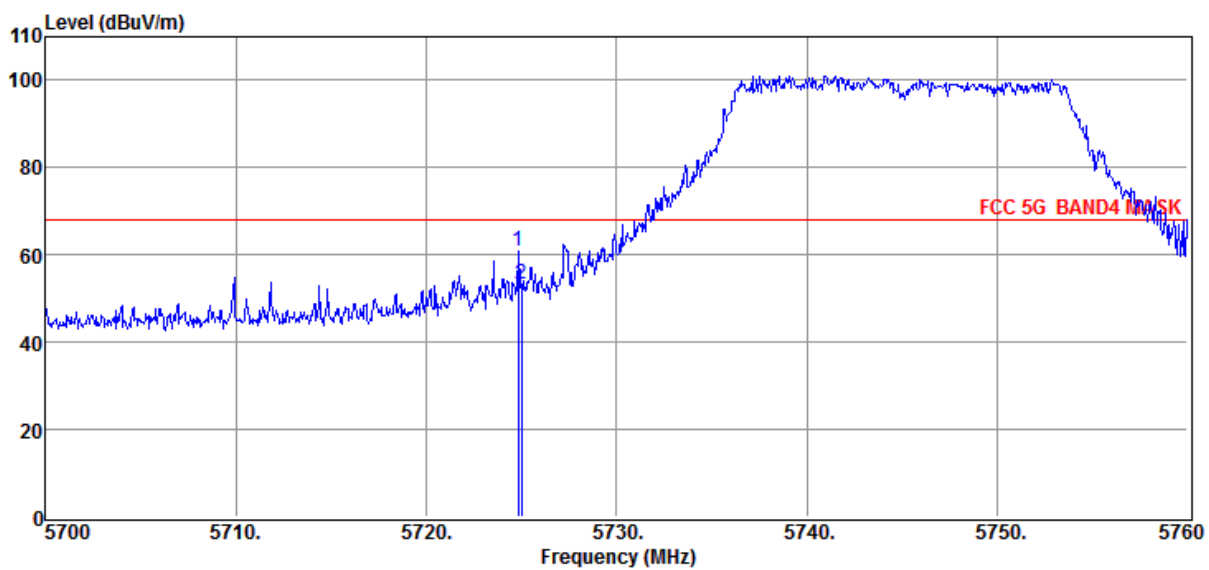
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 ANT1+ANT2 MCS0 5745MHz

Data: 154



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	5724.84	58.11	34.47	-31.69	60.89	68.20	-7.31	Peak	HORIZONTAL
2	5725.00	50.64	34.47	-31.69	53.42	68.20	-14.78	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

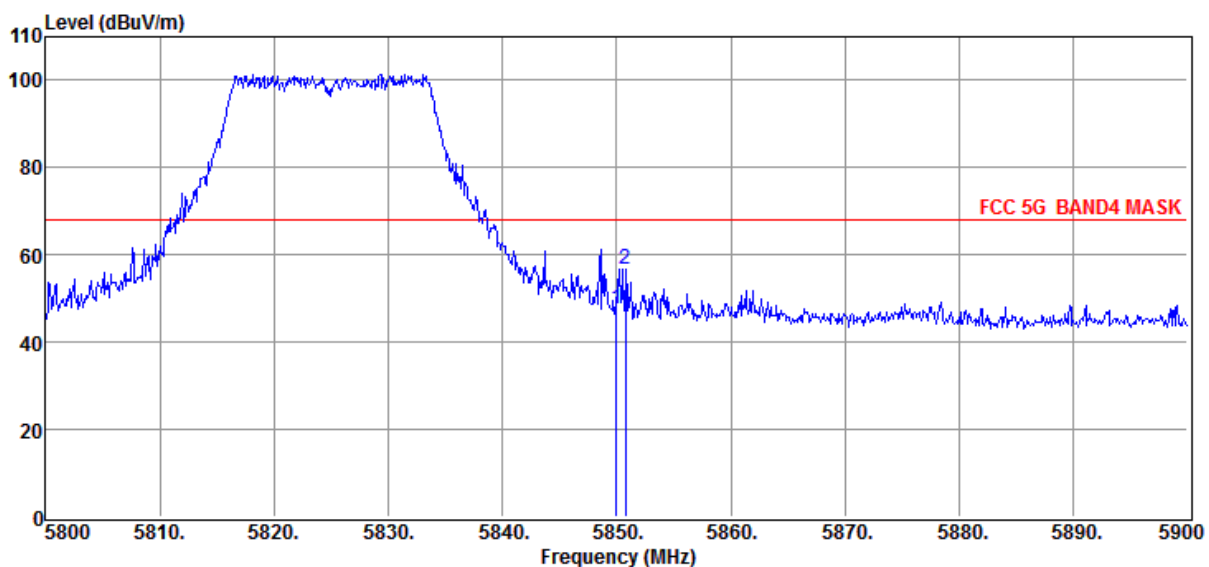
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 ANT1+ANT2 MCS0 5825MHz

Data: 155



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	45.13	34.85	-32.17	47.81	68.20	-20.39	Peak	HORIZONTAL
2	5850.80	54.07	34.85	-32.16	56.76	68.20	-11.44	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

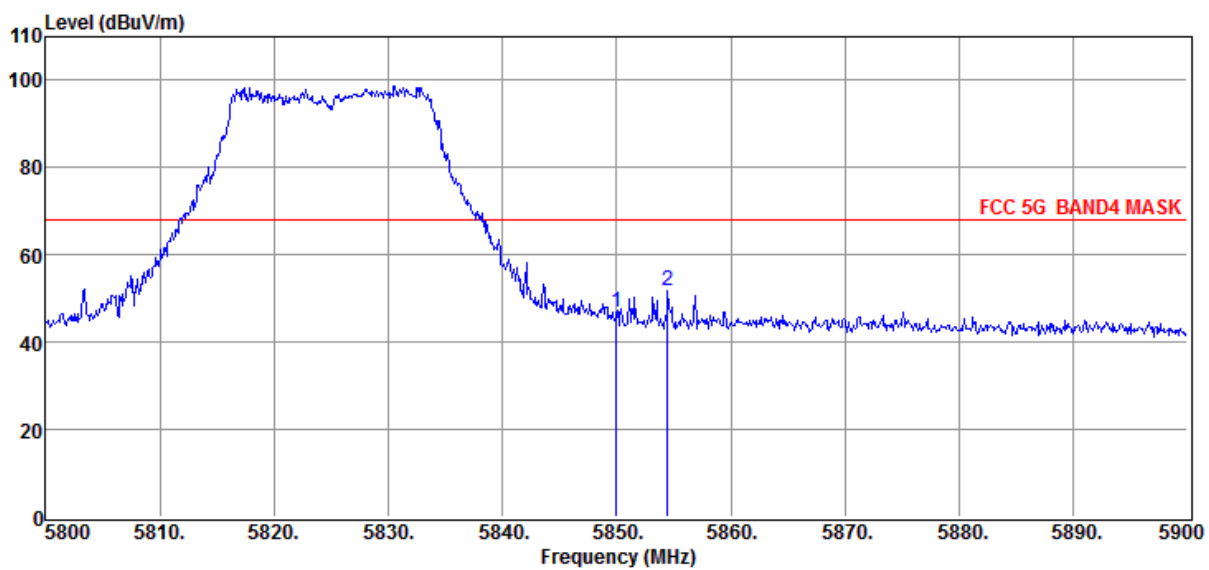
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 ANT1+ANT2 MCS0 5825MHz

Data: 156



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	5850.00	44.29	34.85	-32.17	46.97	68.20	-21.23	Peak	VERTICAL
2	5854.50	48.99	34.86	-32.12	51.73	68.20	-16.47	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

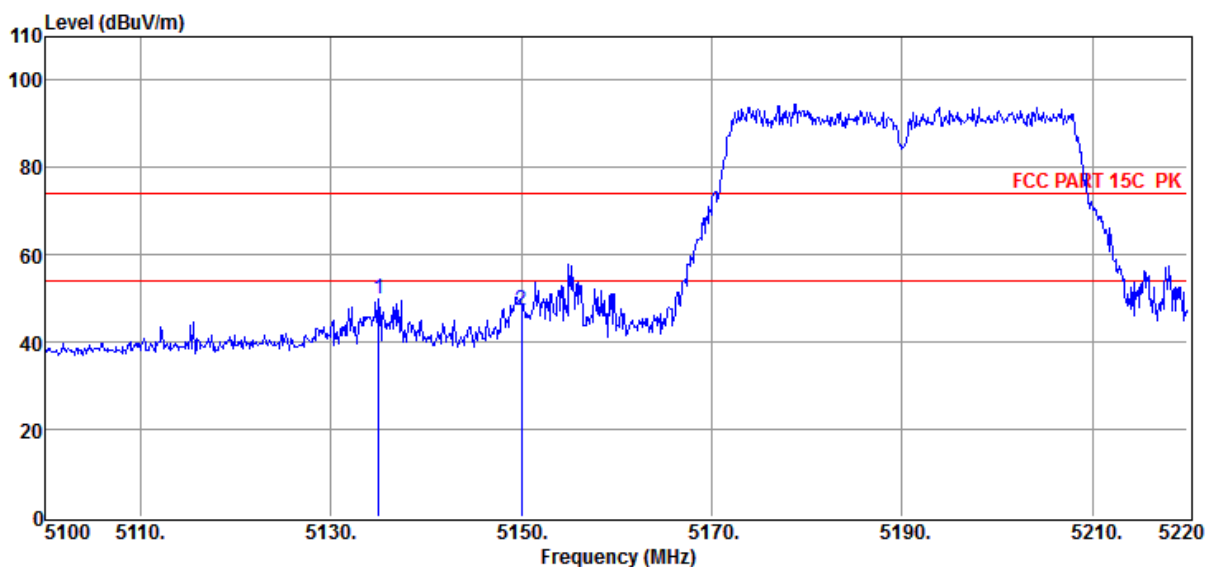
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 ANT1+ANT2 MCS0 5190MHz

Data: 157



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	5135.04	48.44	33.14	-31.58	50.00	74.00	-24.00	Peak	VERTICAL
2	5150.00	45.79	33.17	-31.67	47.29	74.00	-26.71	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

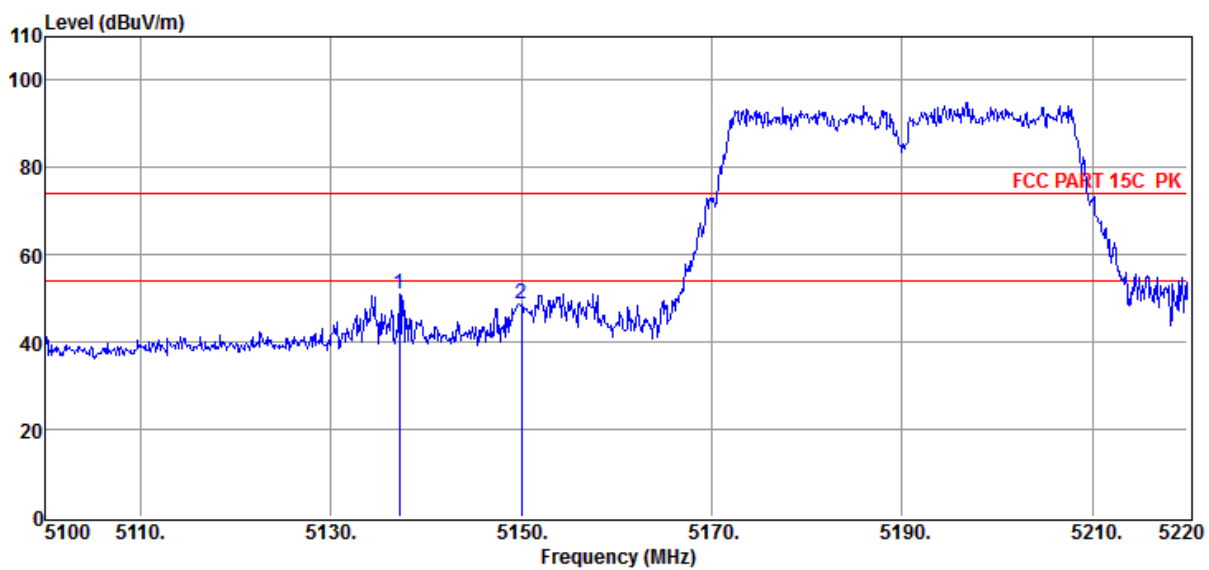
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 ANT1+ANT2 MCS0 5190MHz

Data: 158



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	5137.20	49.48	33.15	-31.59	51.04	74.00	-22.96	Peak	VERTICAL
2	5150.00	47.17	33.17	-31.67	48.67	74.00	-25.33	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

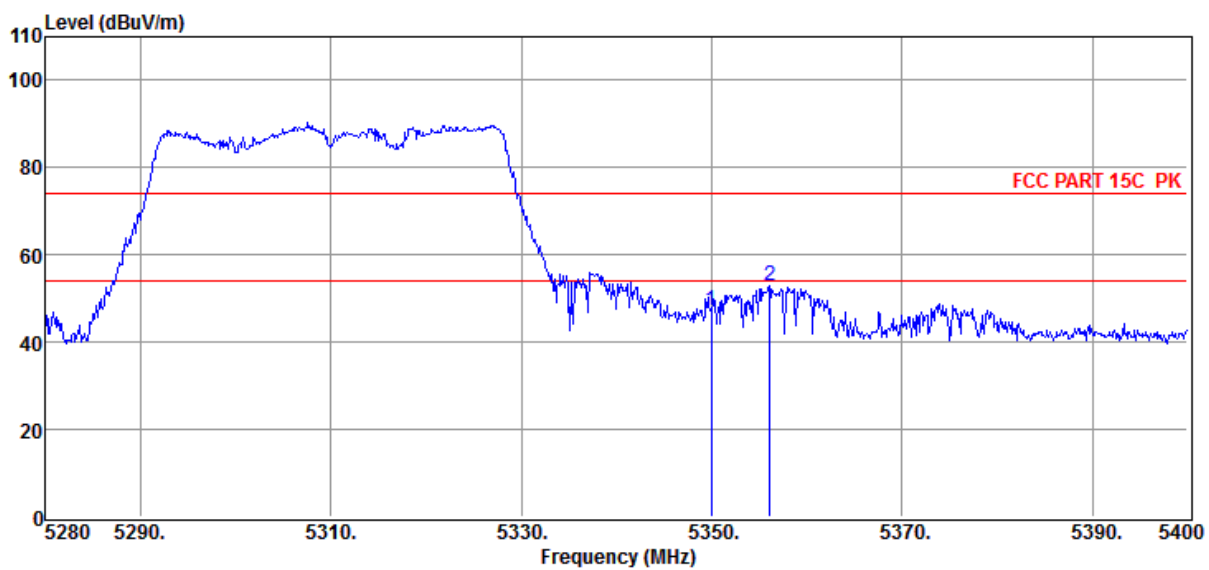
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 ANT1+ANT2 MCS0 5310MHz

Data: 159



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	45.56	33.53	-31.85	47.24	74.00	-26.76	Peak	VERTICAL
2	5356.08	51.18	33.54	-31.82	52.90	74.00	-21.10	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

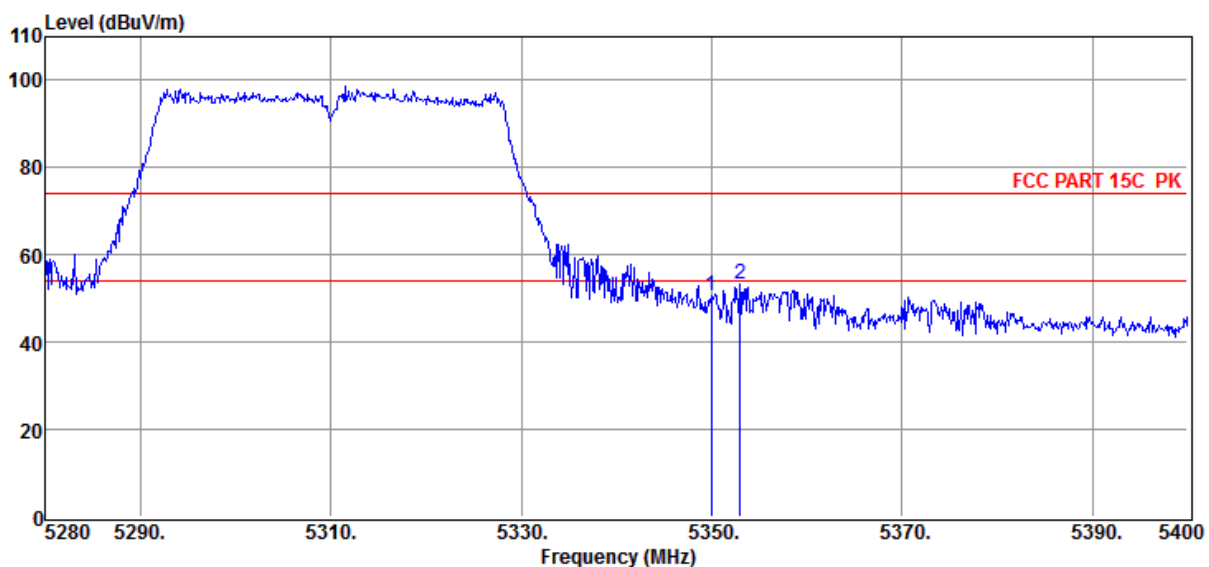
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 ANT1+ANT2 MCS0 5310MHz

Data: 160



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	48.82	33.53	-31.85	50.50	74.00	-23.50	Peak	HORIZONTAL
2	5352.96	51.48	33.54	-31.84	53.18	74.00	-20.82	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

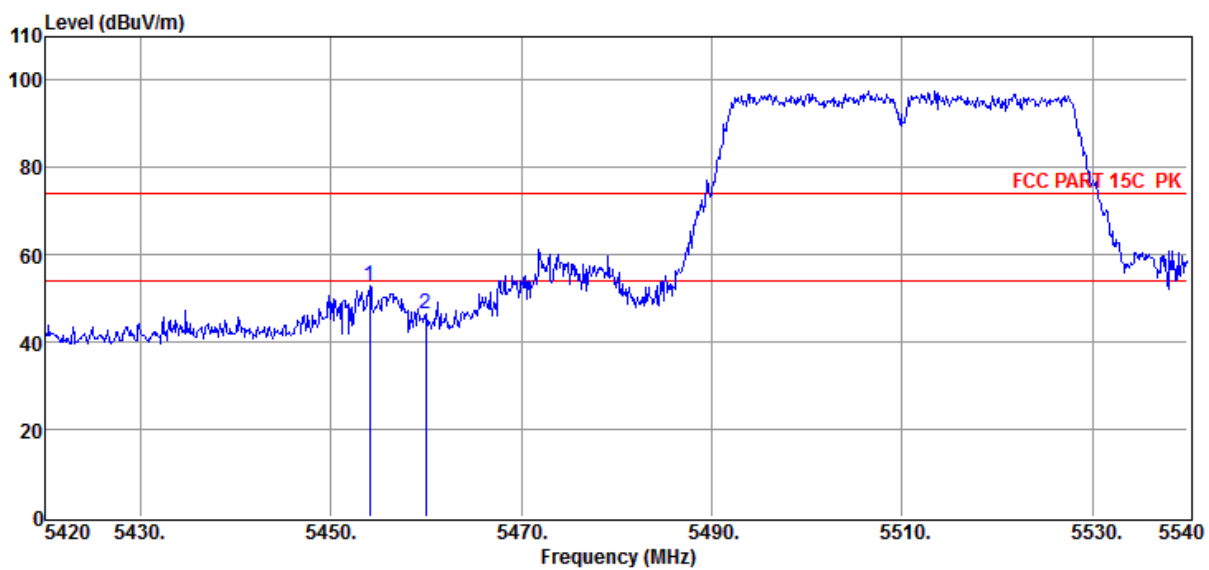
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 ANT1+ANT2 MCS0 5510MHz

Data: 161



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	5454.08	50.66	33.72	-31.48	52.90	74.00	-21.10	Peak	HORIZONTAL
2	5460.00	44.26	33.73	-31.49	46.50	74.00	-27.50	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

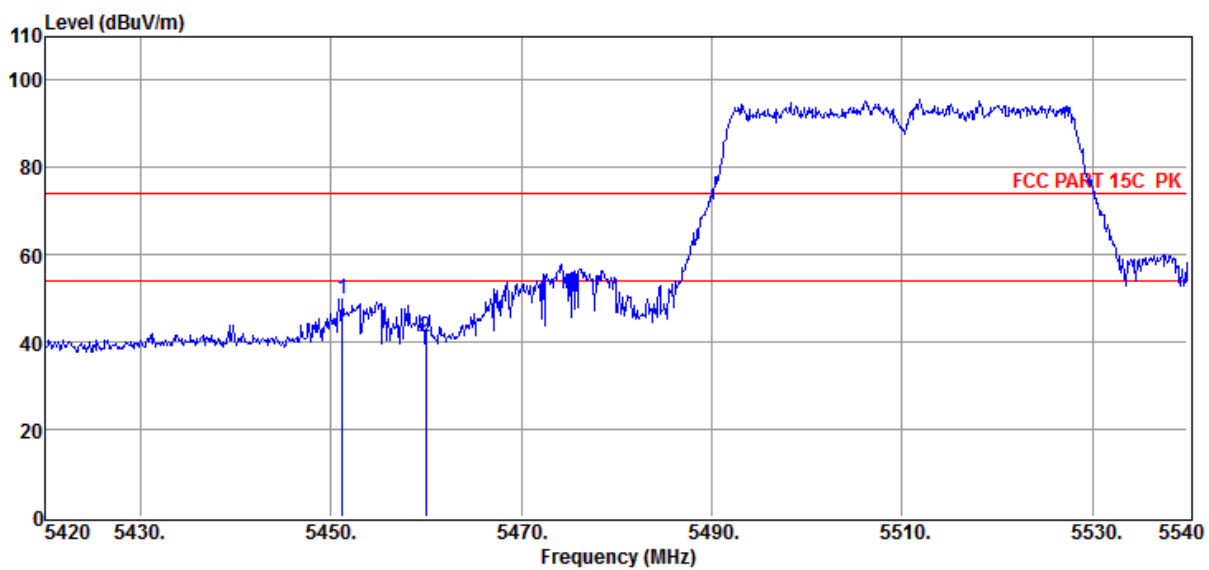
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 ANT1+ANT2 MCS0 5510MHz

Data: 162



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	5451.20	47.84	33.71	-31.48	50.07	74.00	-23.93	Peak	VERTICAL
2	5460.00	38.93	33.73	-31.49	41.17	74.00	-32.83	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

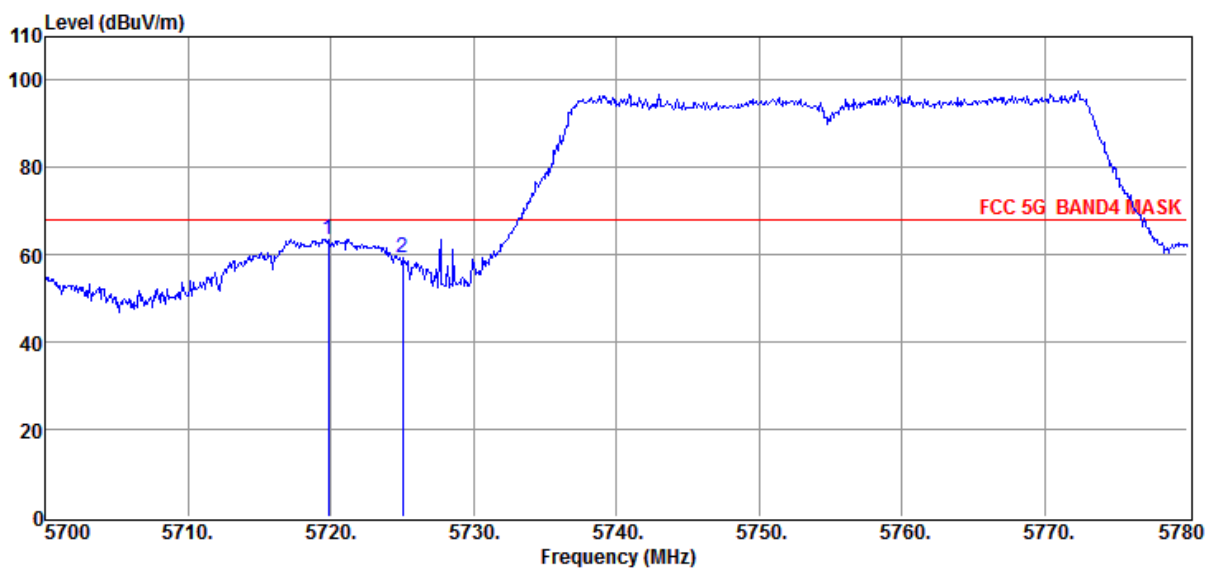
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 ANT1+ANT2 MCS0 5755MHz

Data: 163



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	5719.84	60.87	34.46	-31.65	63.68	68.20	-4.52	Peak	VERTICAL
2	5725.00	56.41	34.47	-31.69	59.19	68.20	-9.01	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

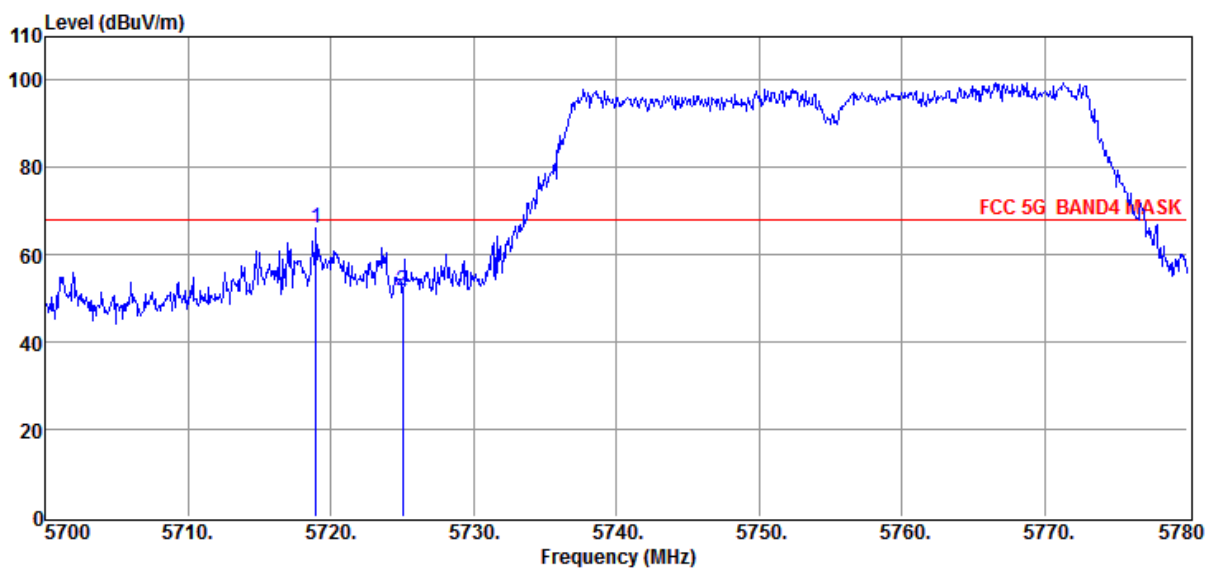
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 ANT1+ANT2 MCS0 5755MHz

Data: 164



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	5718.96	63.51	34.46	-31.64	66.33	68.20	-1.87	Peak	HORIZONTAL
2	5725.00	49.03	34.47	-31.69	51.81	68.20	-16.39	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

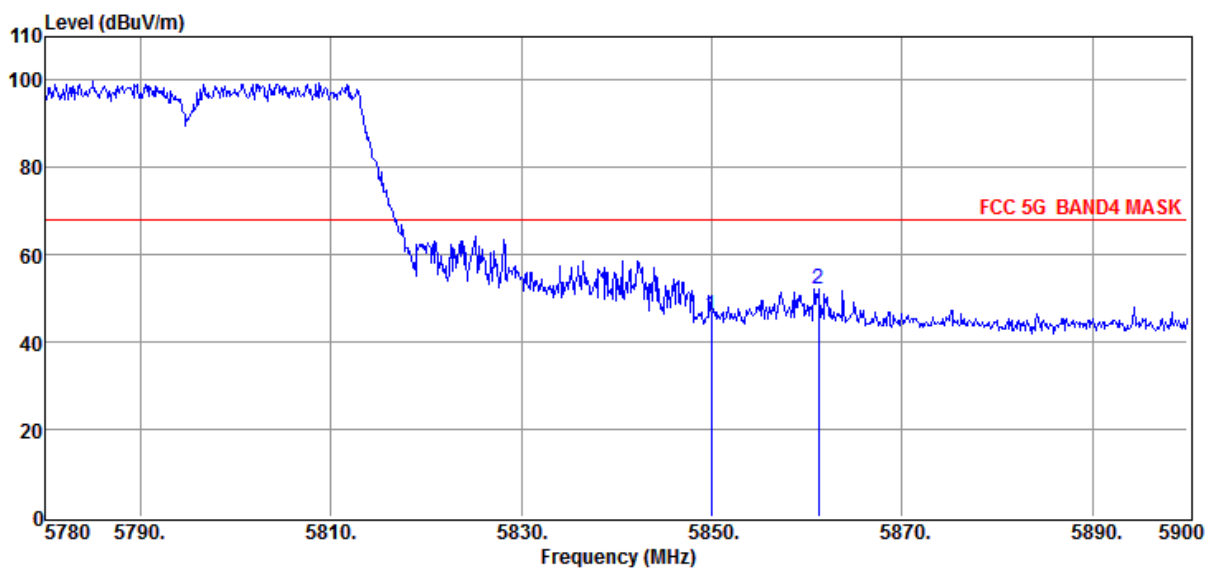
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 ANT1+ANT2 MCS0 5795MHz

Data: 165



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	5849.96	43.42	34.85	-32.17	46.10	68.20	-22.10	Peak	HORIZONTAL
2	5861.24	49.22	34.88	-32.04	52.06	68.20	-16.14	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

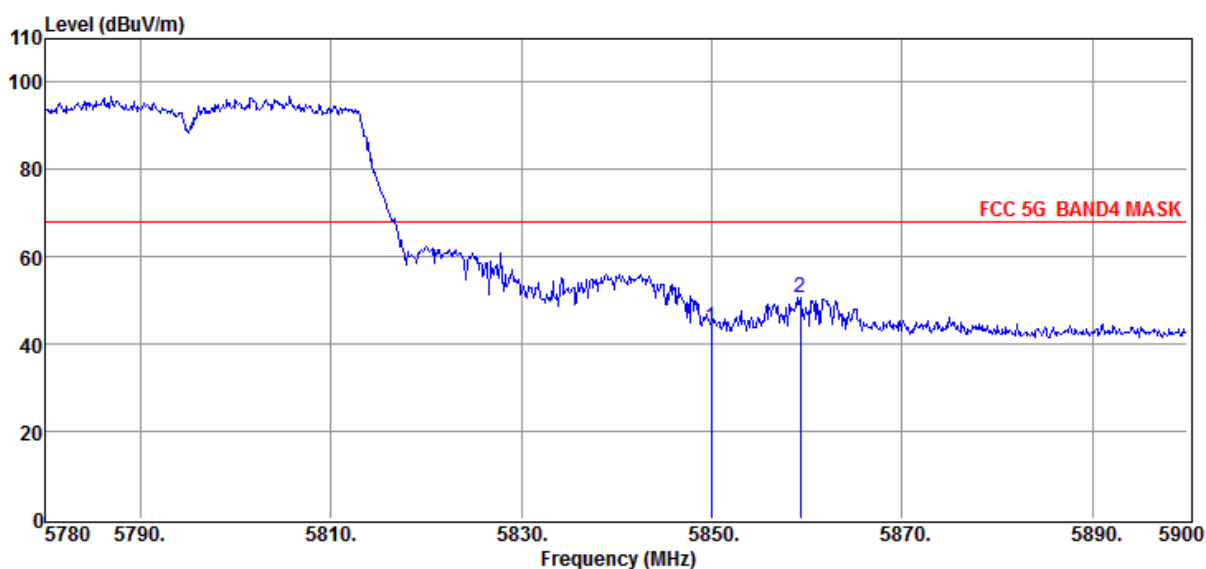
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 ANT1+ANT2 MCS0 5795MHz

Data: 166



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	5849.96	41.03	34.85	-32.17	43.71	68.20	-24.49	Peak	VERTICAL
2	5859.32	48.01	34.88	-32.06	50.83	68.20	-17.37	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

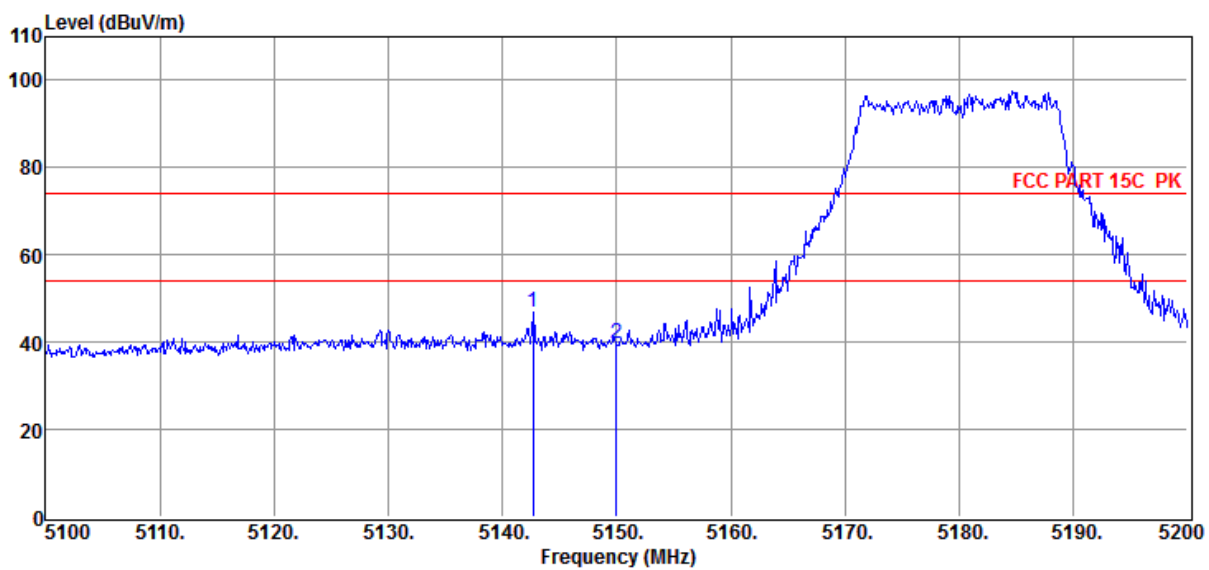
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC20 ANT1+ANT2 MCS0 5180MHZ

Data: 167



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	5142.70	45.39	33.16	-31.62	46.93	74.00	-27.07	Peak	VERTICAL
2	5150.00	38.15	33.17	-31.67	39.65	74.00	-34.35	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 : 02-27-2023

Tested By : Sunny

EUT : AI Delivery Robot

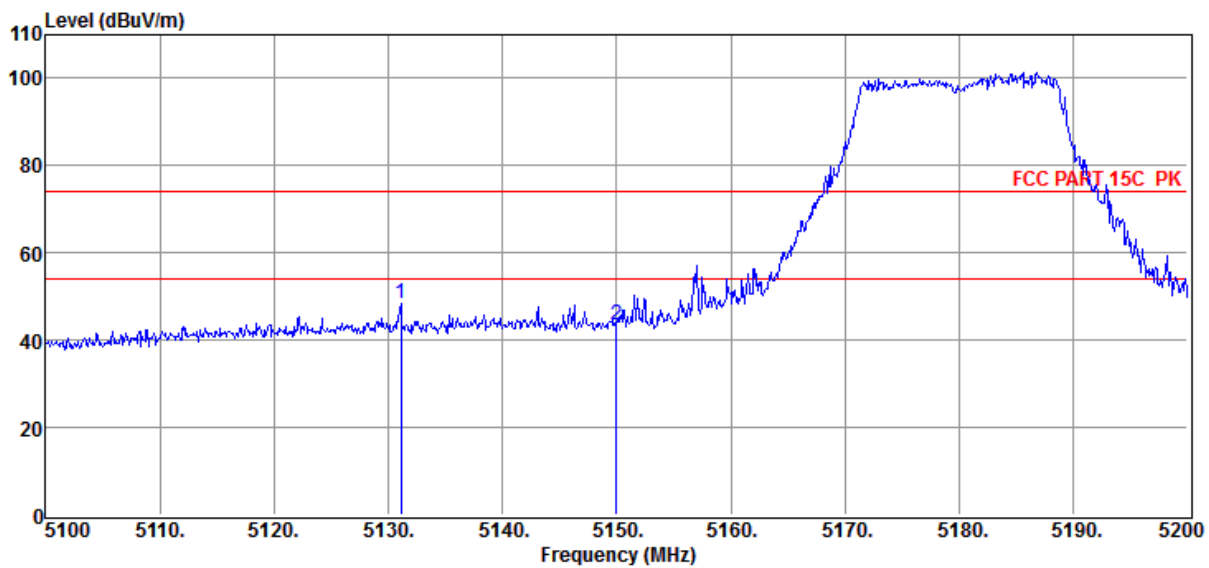
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC20 ANT1+ANT2 MCS0 5180MHz

Data: 168



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	5131.10	46.96	33.14	-31.55	48.55	74.00	-25.45	Peak	HORIZONTAL
2	5150.00	41.93	33.17	-31.67	43.43	74.00	-30.57	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

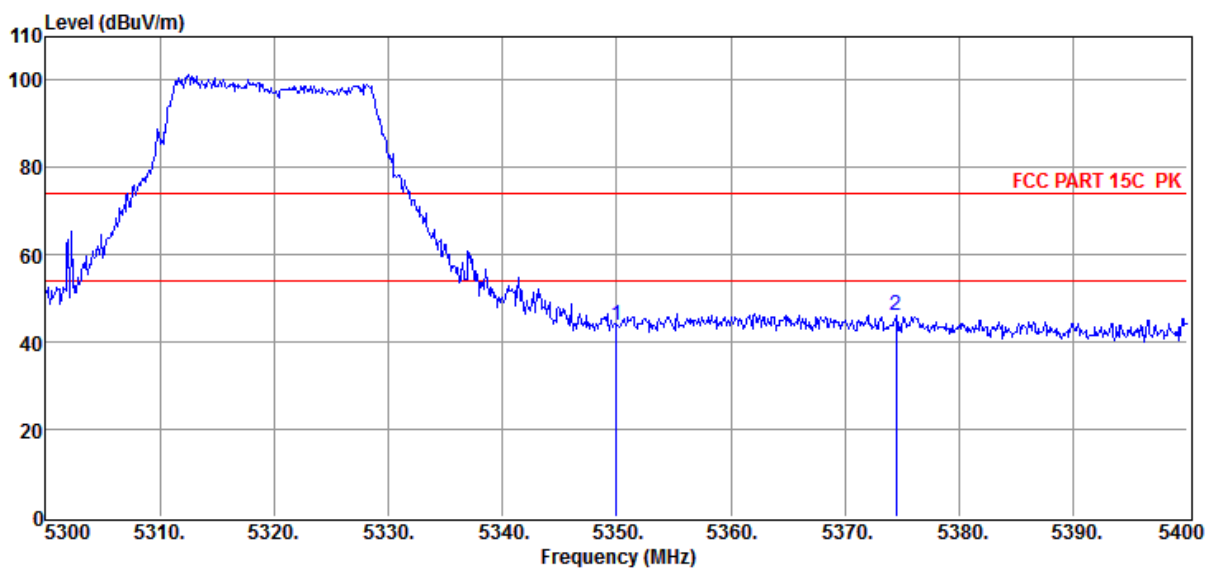
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC20 ANT1+ANT2 MCS0 5320MHZ

Data: 169



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	42.31	33.53	-31.85	43.99	74.00	-30.01	Peak	HORIZONTAL
2	5374.50	44.14	33.57	-31.73	45.98	74.00	-28.02	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

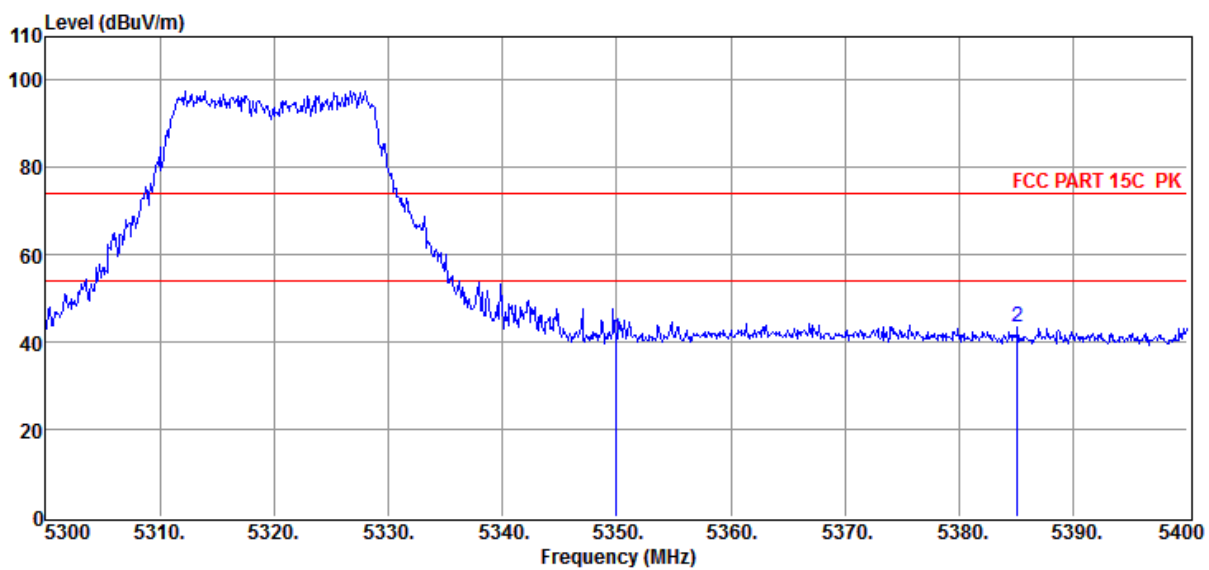
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC20 ANT1+ANT2 MCS0 5320MHz

Data: 170



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	39.29	33.53	-31.85	40.97	74.00	-33.03	Peak	VERTICAL
2	5385.10	41.44	33.59	-31.68	43.35	74.00	-30.65	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

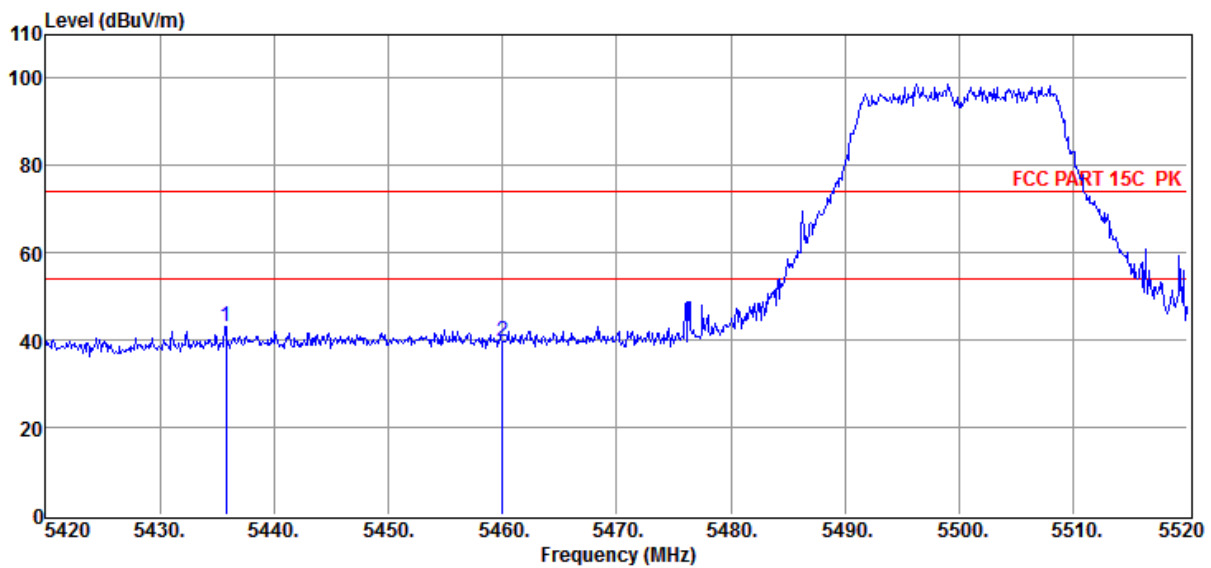
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC20 ANT1+ANT2 MCS0 5500MHZ

Data: 171



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	5435.80	40.92	33.68	-31.52	43.08	74.00	-30.92	Peak	VERTICAL
2	5460.00	37.58	33.73	-31.49	39.82	74.00	-34.18	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

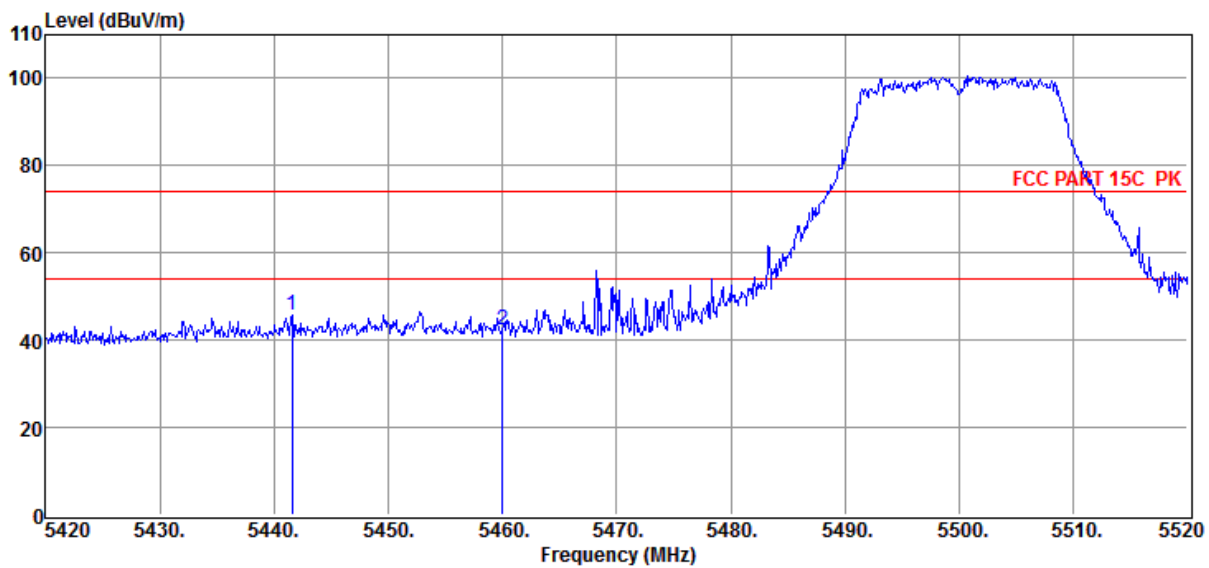
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC20 ANT1+ANT2 MCS0 5500MHZ

Data: 172



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	5441.60	43.52	33.69	-31.50	45.71	74.00	-28.29	Peak	HORIZONTAL
2	5460.00	40.16	33.73	-31.49	42.40	74.00	-31.60	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

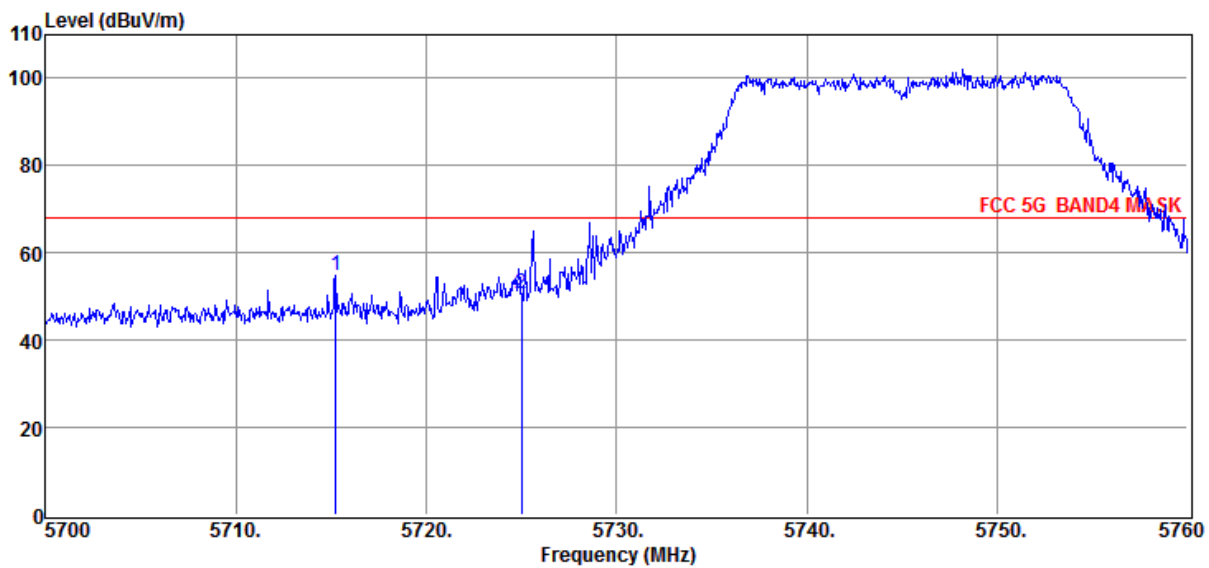
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC20 ANT1+ANT2 MCS0 5745MHz

Data: 173



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	5715.24	52.05	34.45	-31.61	54.89	68.20	-13.31	Peak	HORIZONTAL
2	5725.00	48.04	34.47	-31.69	50.82	68.20	-17.38	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

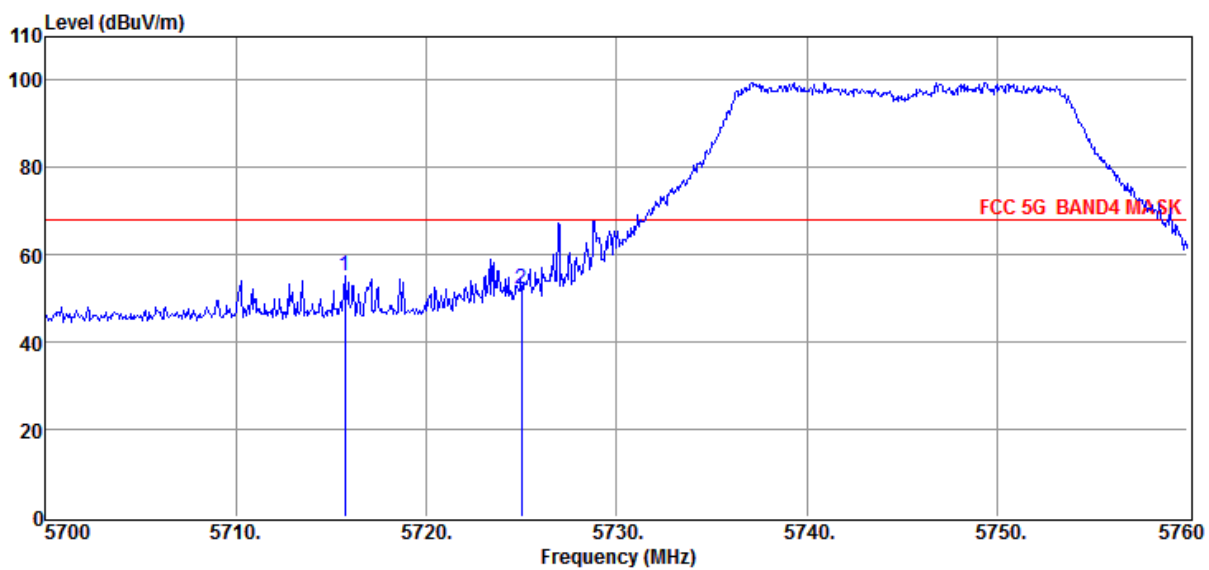
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC20 ANT1+ANT2 MCS0 5745MHz

Data: 174



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	5715.72	52.52	34.45	-31.61	55.36	68.20	-12.84	Peak	VERTICAL
2	5725.00	49.48	34.47	-31.69	52.26	68.20	-15.94	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

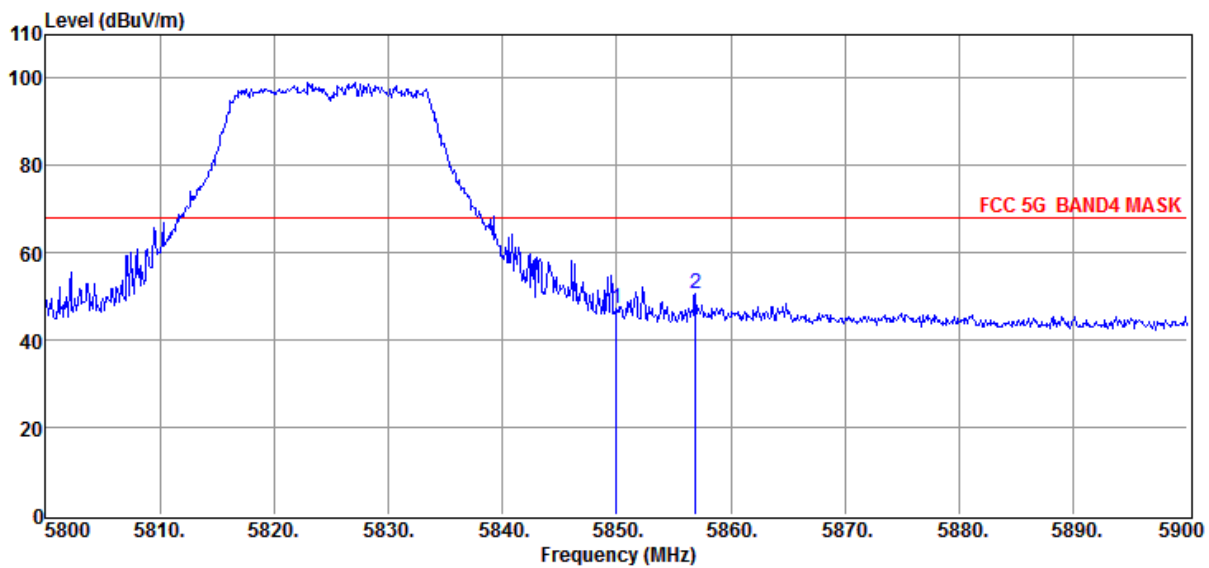
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC20 ANT1+ANT2 MCS0 5825MHZ

Data: 175



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	44.39	34.85	-32.17	47.07	68.20	-21.13	Peak	VERTICAL
2	5856.90	47.74	34.87	-32.09	50.52	68.20	-17.68	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

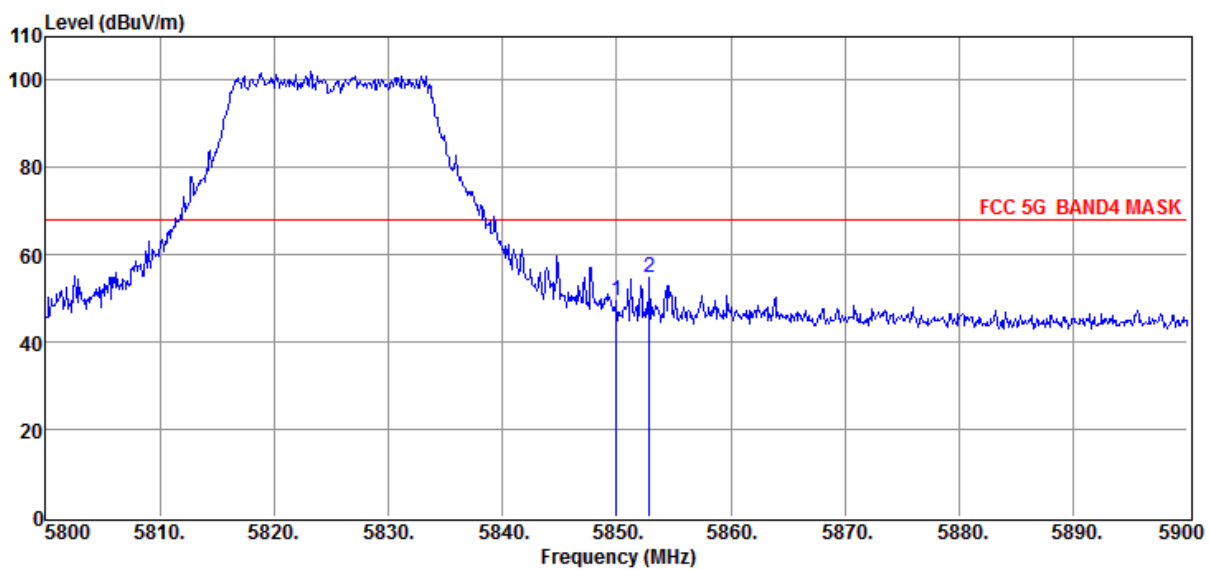
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC20 ANT1+ANT2 MCS0 5825MHZ

Data: 176



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	46.74	34.85	-32.17	49.42	68.20	-18.78	Peak	HORIZONTAL
2	5852.90	52.11	34.86	-32.14	54.83	68.20	-13.37	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

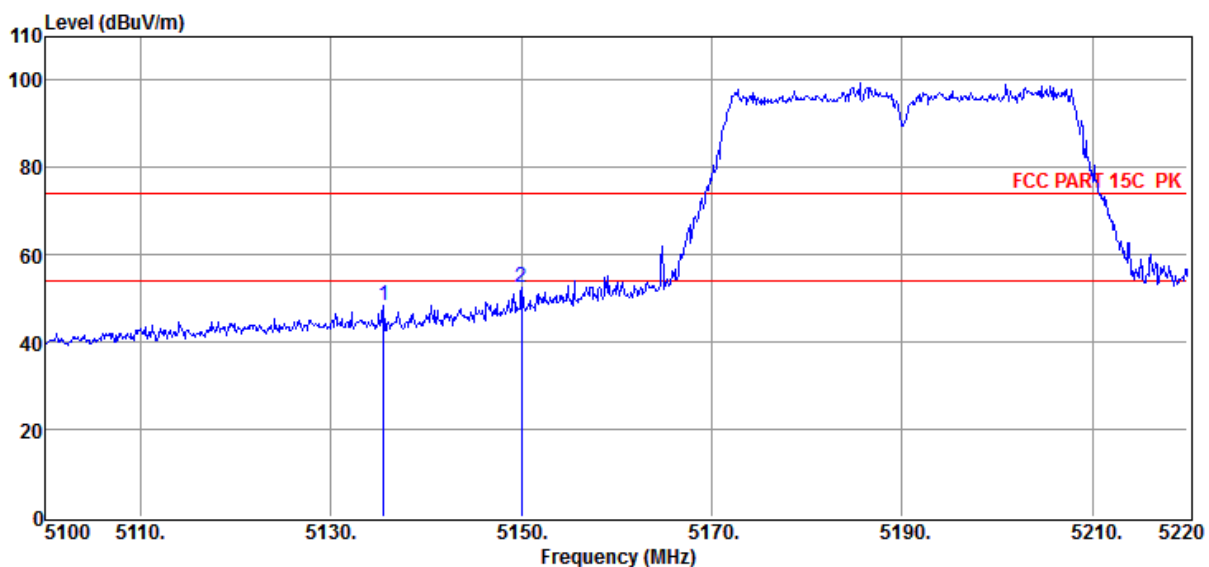
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC40 ANT1+ANT2 MCS0 5190MHz

Data: 177



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	5135.52	46.93	33.14	-31.58	48.49	74.00	-25.51	Peak	HORIZONTAL
2	5150.00	51.19	33.17	-31.67	52.69	74.00	-21.31	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

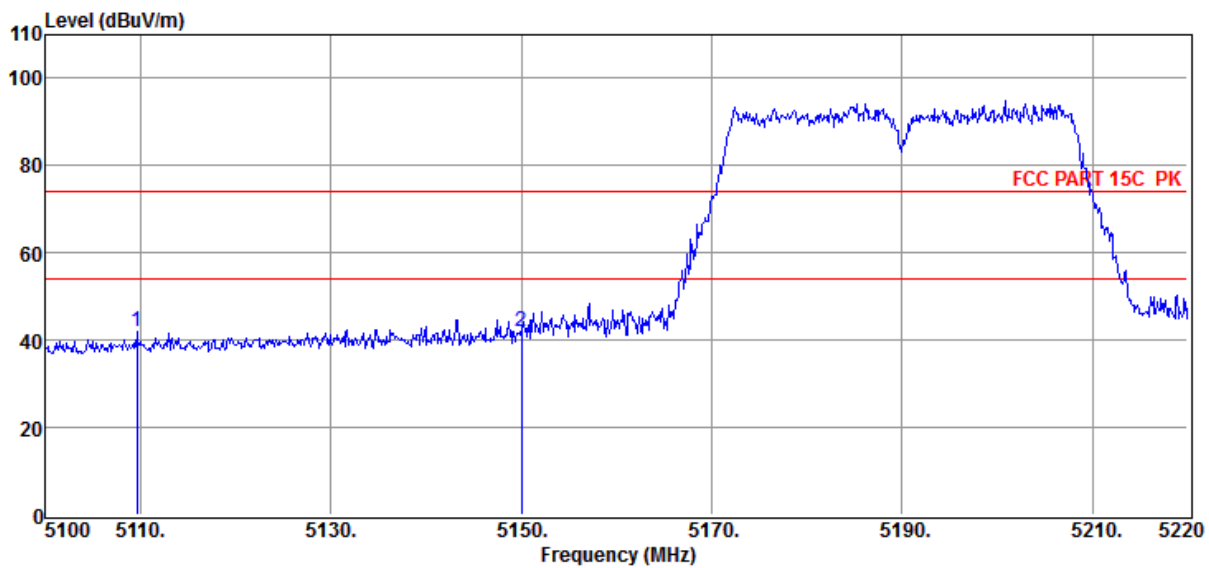
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC40 ANT1+ANT2 MCS0 5190MHz

Data: 178



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	5109.60	40.19	33.10	-31.42	41.87	74.00	-32.13	Peak	VERTICAL
2	5150.00	40.30	33.17	-31.67	41.80	74.00	-32.20	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

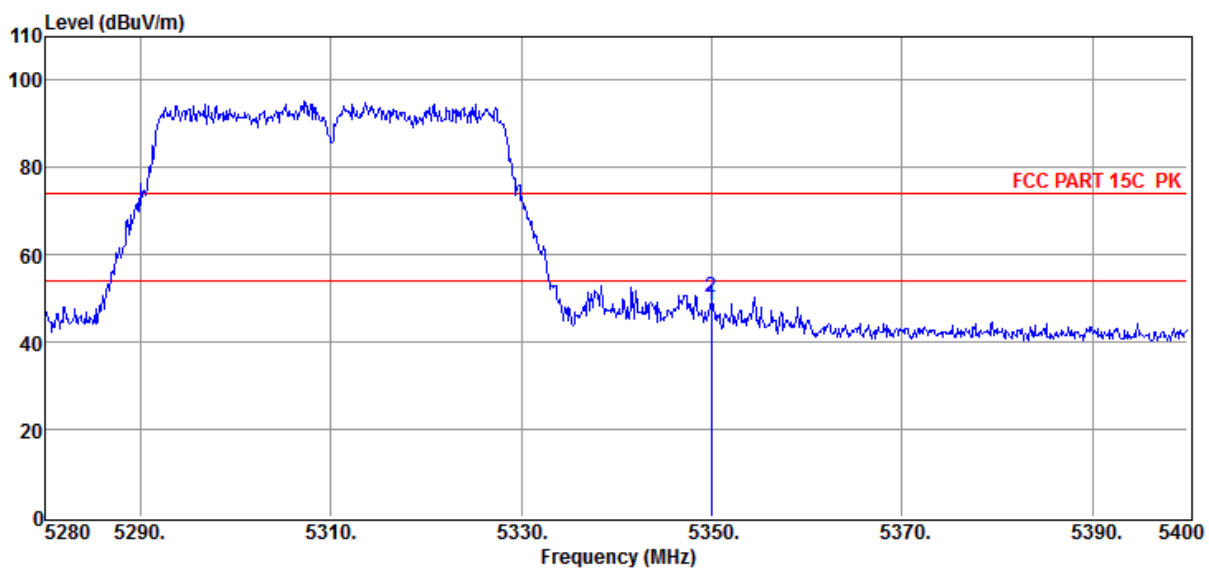
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC40 ANT1+ANT2 MCS0 5310MHZ

Data: 179



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	5349.96	46.83	33.53	-31.85	48.51	74.00	-25.49	Peak	VERTICAL
2	5350.00	48.45	33.53	-31.85	50.13	74.00	-23.87	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

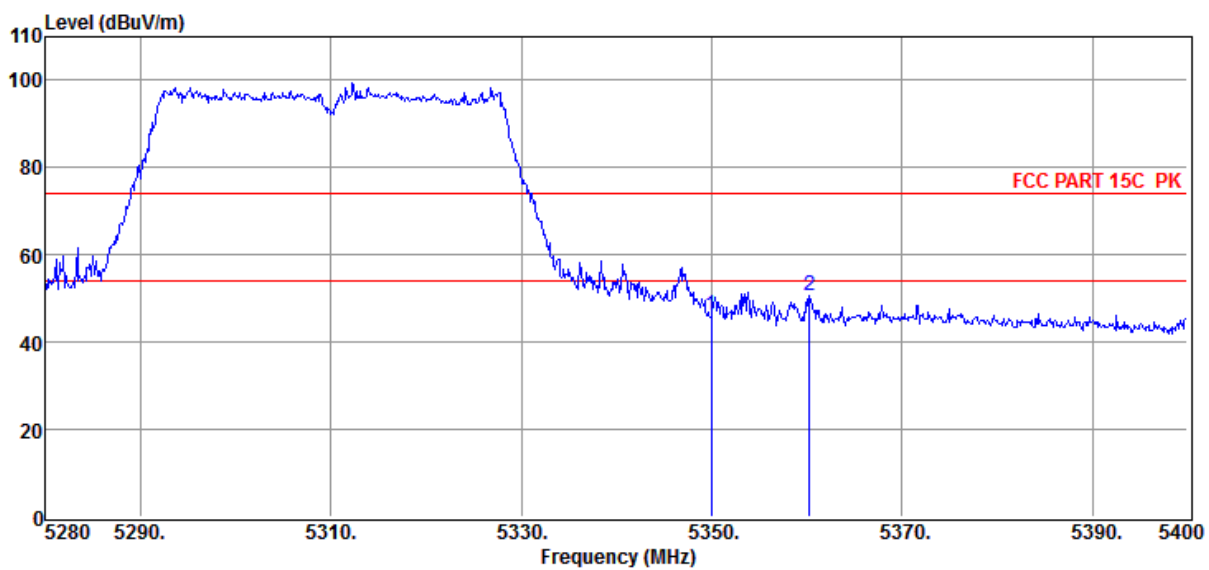
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC40 ANT1+ANT2 MCS0 5310MHz

Data: 180



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	44.34	33.53	-31.85	46.02	74.00	-27.98	Peak	HORIZONTAL
2	5360.28	48.93	33.55	-31.80	50.68	74.00	-23.32	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

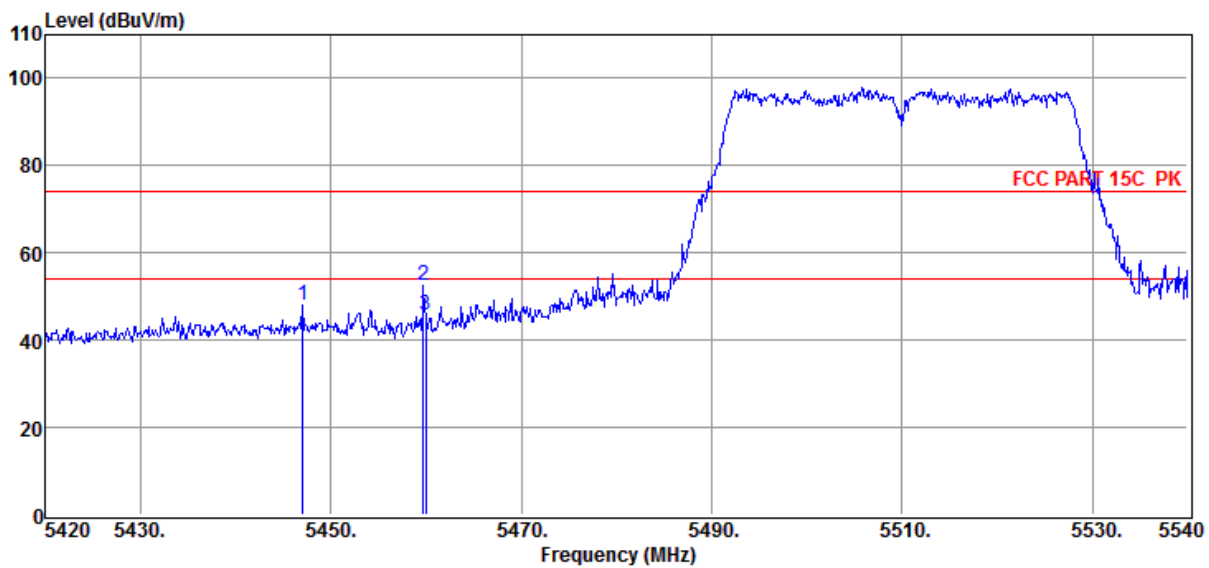
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC40 ANT1+ANT2 MCS0 5510MHz

Data: 181



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	5447.00	45.81	33.70	-31.49	48.02	74.00	-25.98	Peak	HORIZONTAL
2	5459.72	50.41	33.73	-31.49	52.65	74.00	-21.35	Peak	HORIZONTAL
3	5460.00	43.45	33.73	-31.49	45.69	74.00	-28.31	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

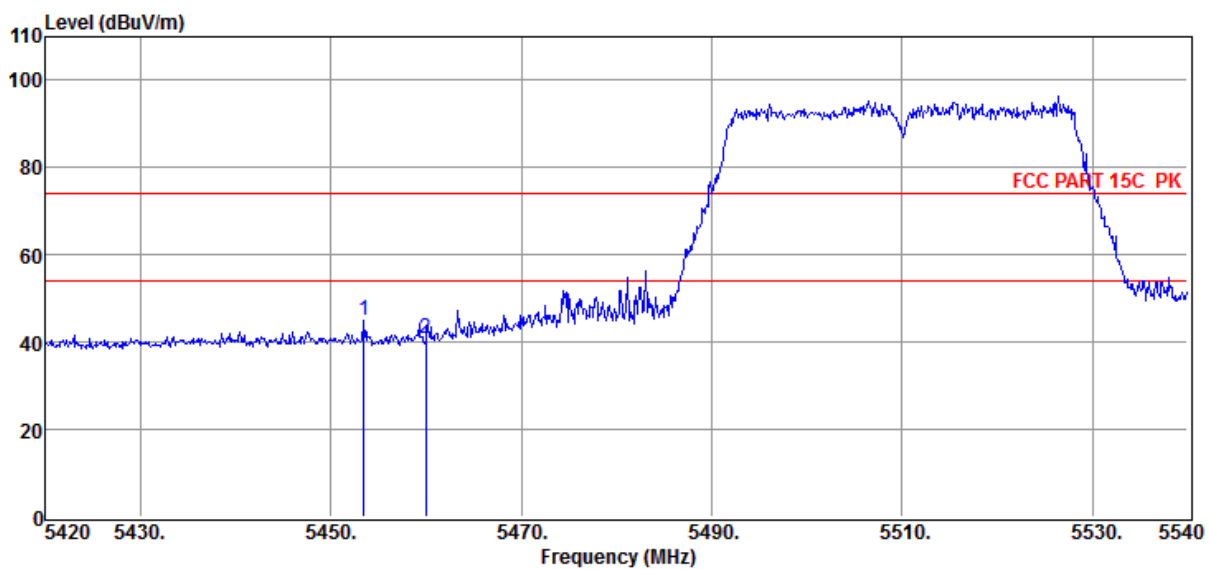
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC40 ANT1+ANT2 MCS0 5510MHz

Data: 182



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	5453.48	42.64	33.72	-31.48	44.88	74.00	-29.12	Peak	VERTICAL
2	5460.00	38.72	33.73	-31.49	40.96	74.00	-33.04	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

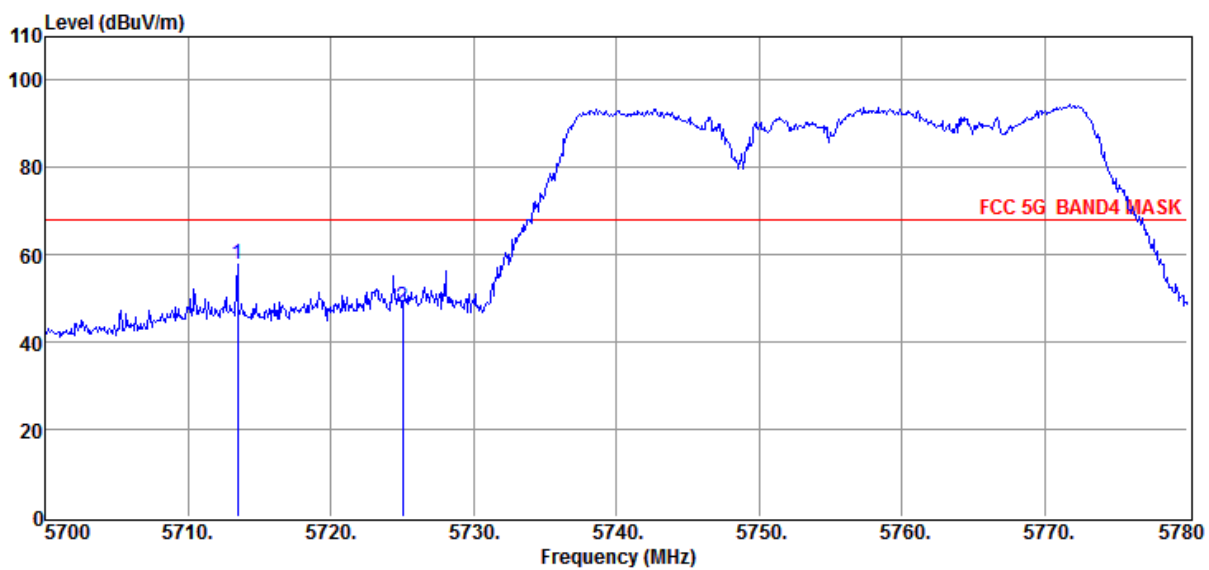
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC40 ANT1+ANT2 MCS0 5755MHZ

Data: 183



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	5713.44	54.80	34.44	-31.59	57.65	68.20	-10.55	Peak	HORIZONTAL
2	5725.04	45.34	34.48	-31.69	48.13	68.20	-20.07	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 : 02-27-2023

Tested By : Sunny

EUT : AI Delivery Robot

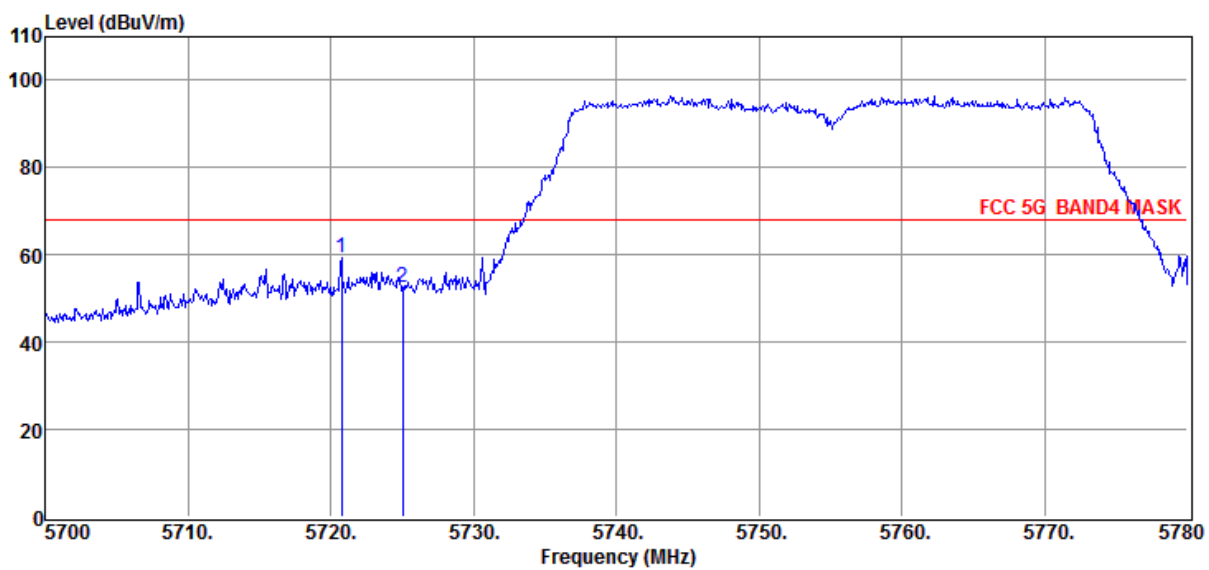
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC40 ANT1+ANT2 MCS0 5755MHZ

Data: 184



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	5720.72	56.59	34.46	-31.65	59.40	68.20	-8.80	Peak	VERTICAL
2	5725.04	49.69	34.48	-31.69	52.48	68.20	-15.72	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

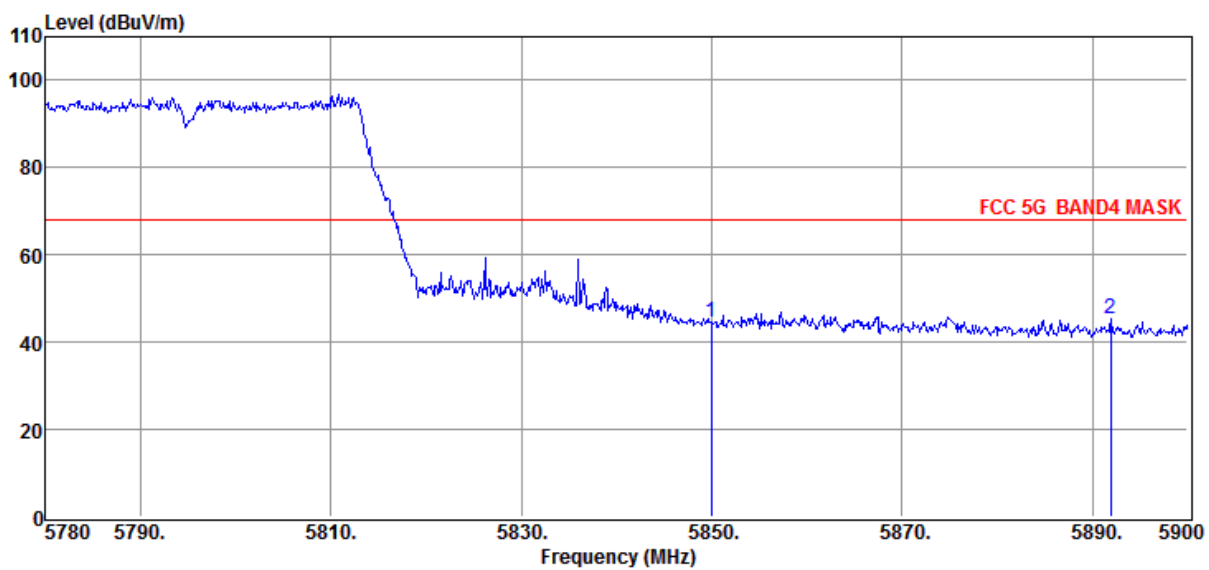
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC40 ANT1+ANT2 MCS0 5795MHz

Data: 185



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	41.77	34.85	-32.17	44.45	68.20	-23.75	Peak	VERTICAL
2	5891.96	41.99	34.98	-31.67	45.30	68.20	-22.90	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

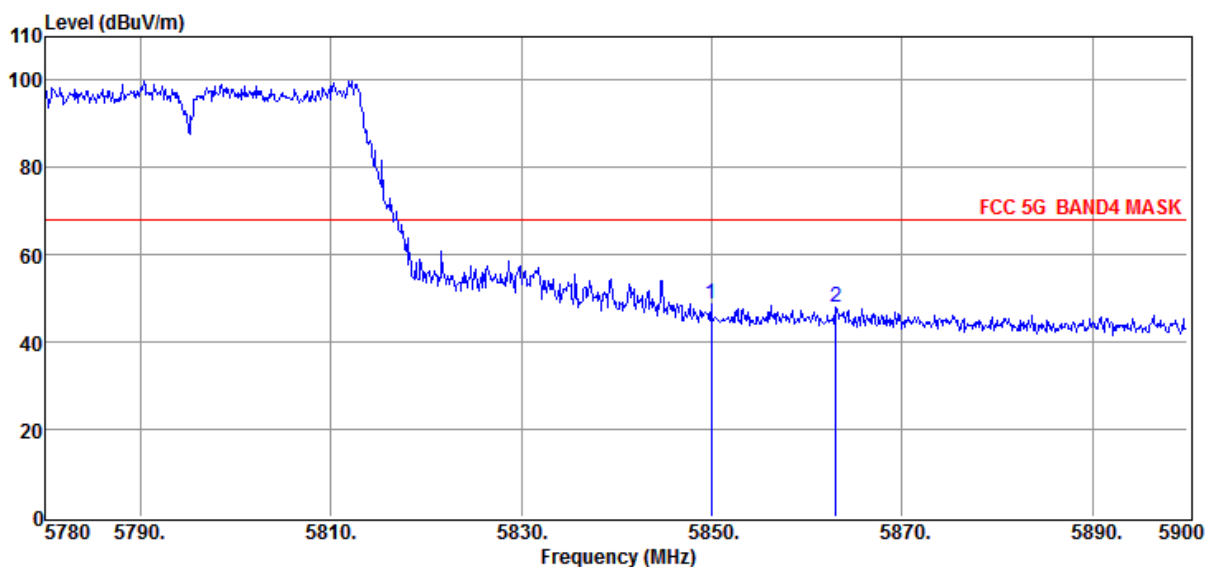
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC40 ANT1+ANT2 MCS0 5795MHz

Data: 186



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	46.21	34.85	-32.17	48.89	68.20	-19.31	Peak	HORIZONTAL
2	5863.04	44.95	34.89	-32.01	47.83	68.20	-20.37	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

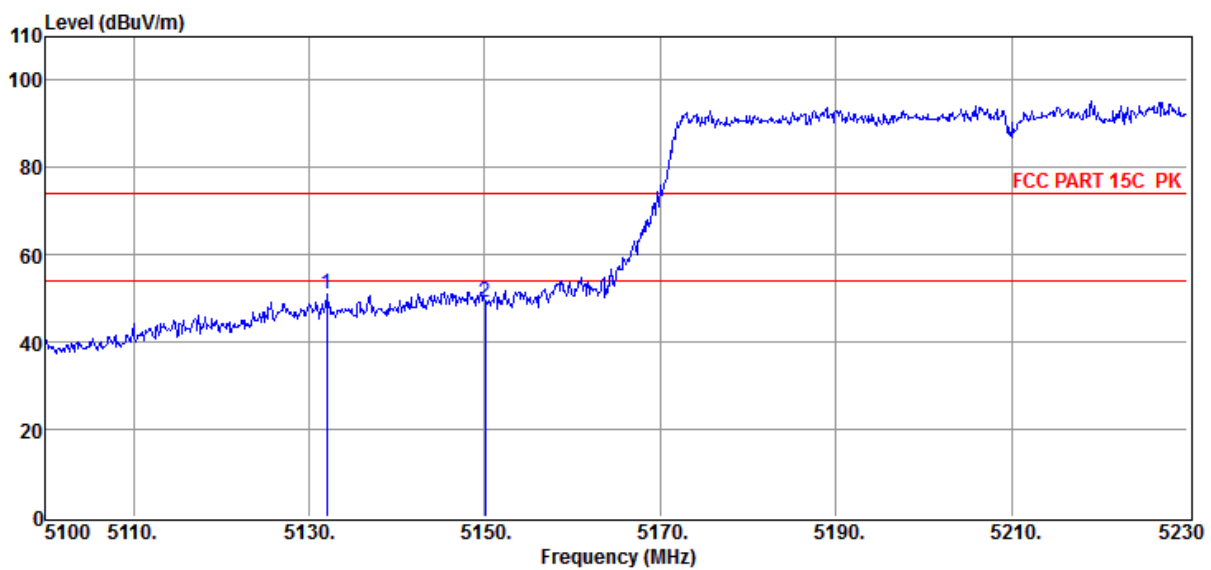
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC80 ANT1+ANT2 MCS0 5210MHz

Data: 187



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	5131.98	49.52	33.14	-31.56	51.10	74.00	-22.90	Peak	HORIZONTAL
2	5150.05	47.77	33.17	-31.67	49.27	74.00	-24.73	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

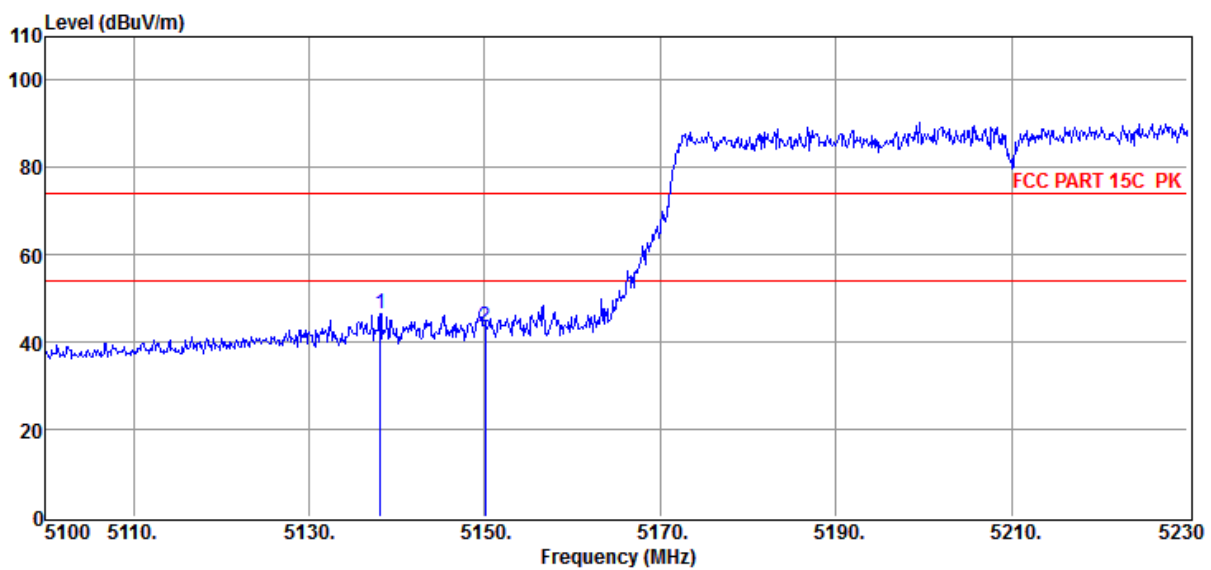
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC80 ANT1+ANT2 MCS0 5210MHz

Data: 188



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	5138.09	45.02	33.15	-31.60	46.57	74.00	-27.43	Peak	VERTICAL
2	5150.05	42.09	33.17	-31.67	43.59	74.00	-30.41	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

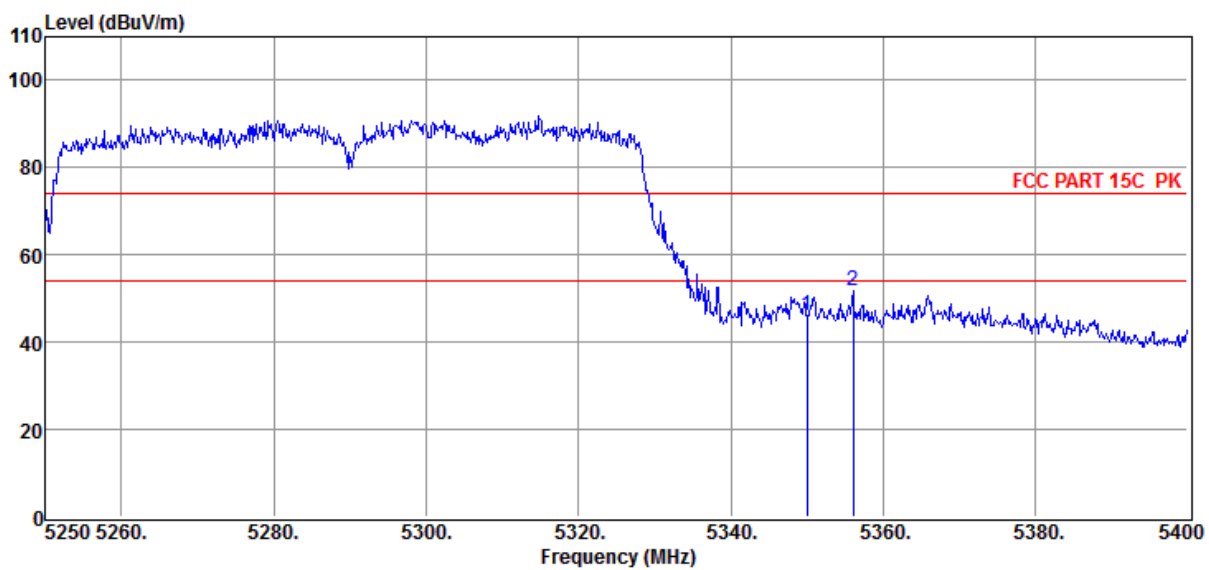
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC80 ANT1+ANT2 MCS0 5290MHZ

Data: 189



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	44.57	33.53	-31.85	46.25	74.00	-27.75	Peak	VERTICAL
2	5356.05	50.14	33.54	-31.82	51.86	74.00	-22.14	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

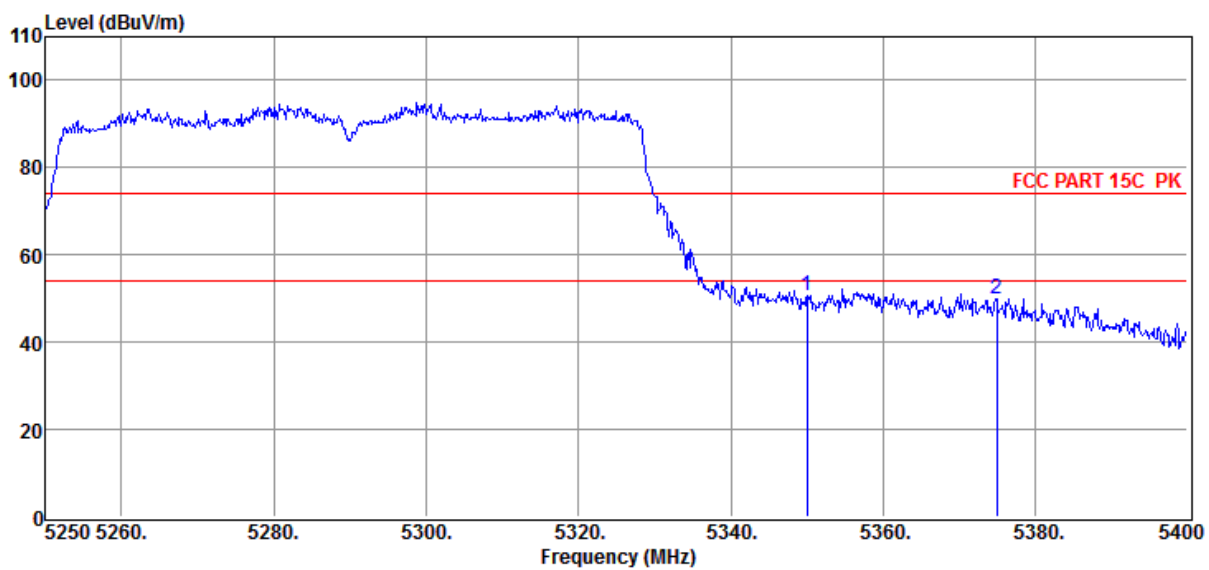
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC80 ANT1+ANT2 MCS0 5290MHz

Data: 190



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	48.96	33.53	-31.85	50.64	74.00	-23.36	Peak	HORIZONTAL
2	5374.95	48.17	33.57	-31.73	50.01	74.00	-23.99	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

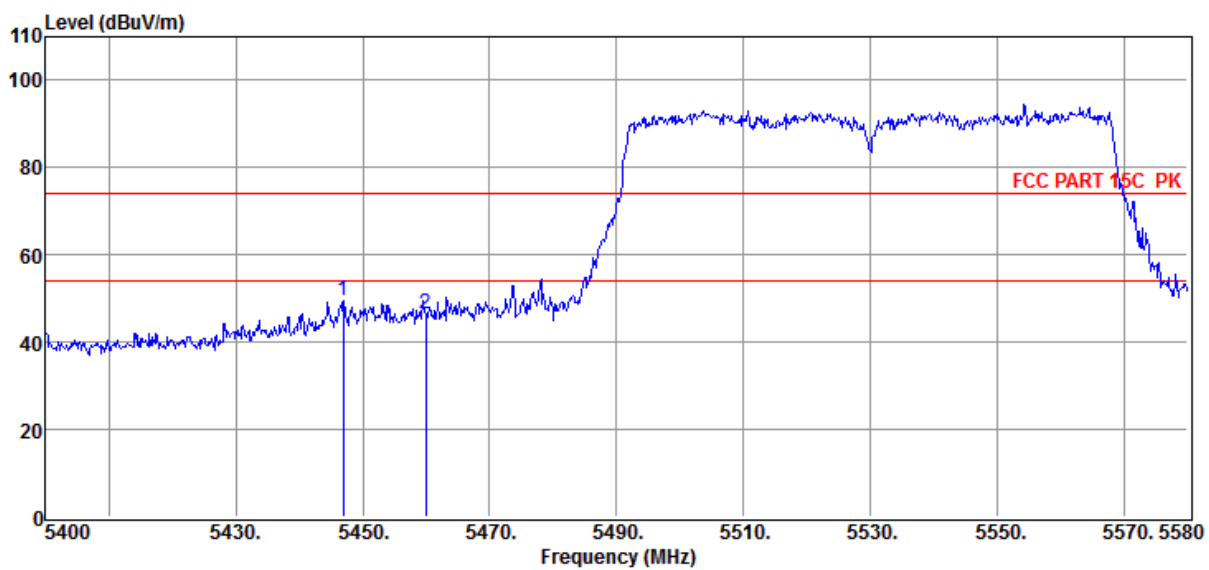
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC80 ANT1+ANT2 MCS0 5530MHz

Data: 191



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	5446.98	47.24	33.70	-31.49	49.45	74.00	-24.55	Peak	HORIZONTAL
2	5460.00	44.32	33.73	-31.49	46.56	74.00	-27.44	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

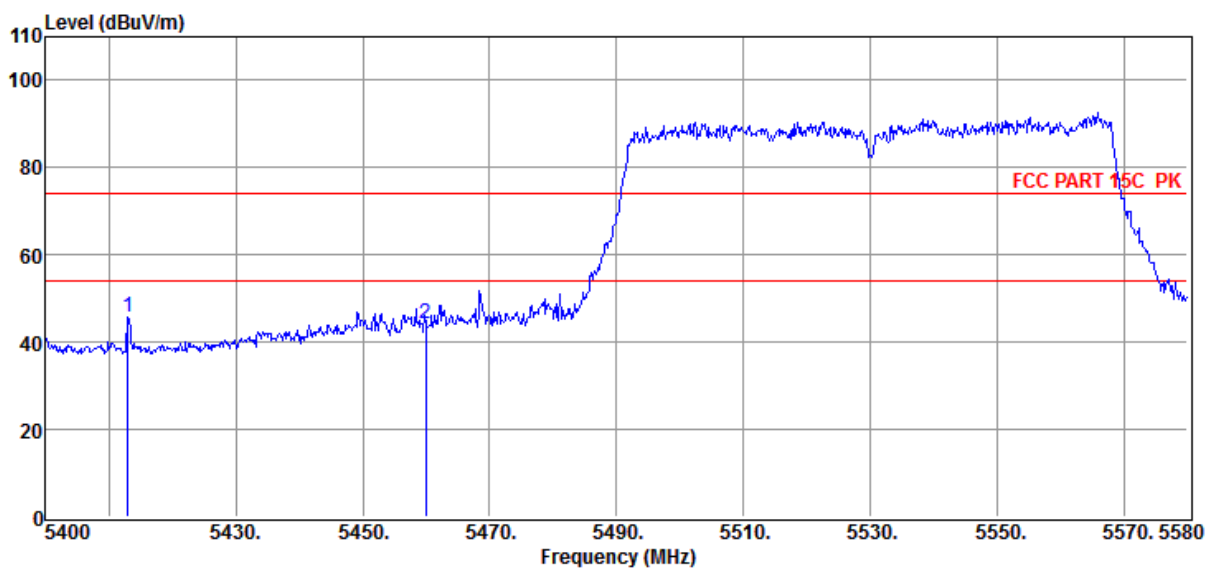
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC80 ANT1+ANT2 MCS0 5530MHz

Data: 192



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	5412.96	43.82	33.64	-31.58	45.88	74.00	-28.12	Peak	VERTICAL
2	5460.00	42.17	33.73	-31.49	44.41	74.00	-29.59	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 : 02-27-2023

Tested By : Sunny

EUT : AI Delivery Robot

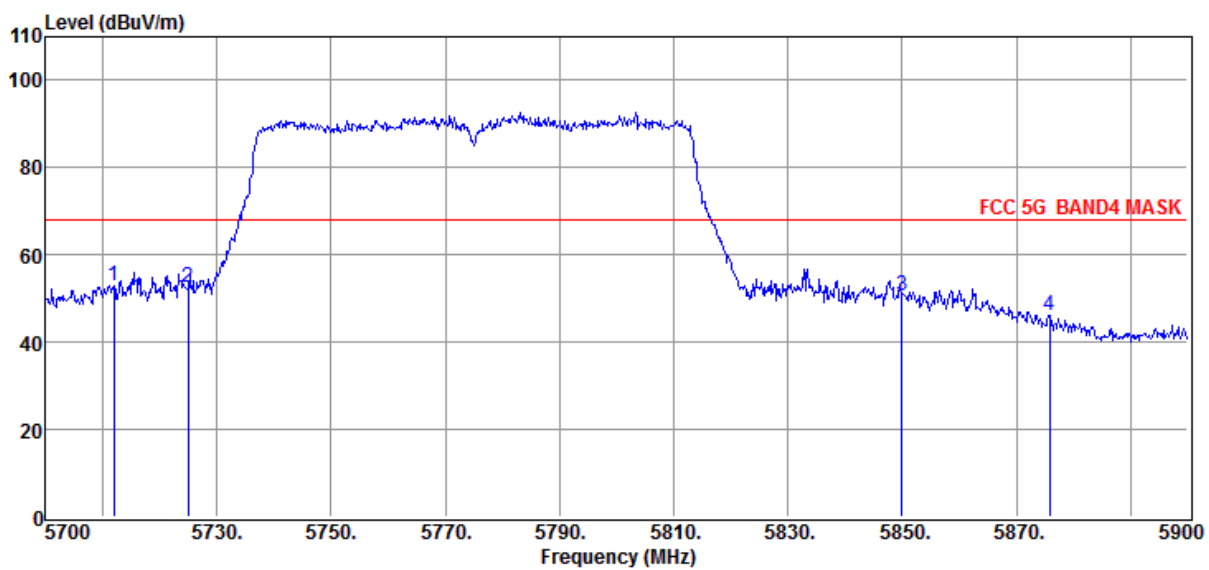
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC80 ANT1+ANT2 MCS0 5775MHz

Data: 193



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	5712.00	50.18	34.44	-31.58	53.04	68.20	-15.16	Peak	VERTICAL
2	5725.00	49.80	34.47	-31.69	52.58	68.20	-15.62	Peak	VERTICAL
3	5850.00	48.09	34.85	-32.17	50.77	68.20	-17.43	Peak	VERTICAL
4	5875.80	43.15	34.93	-31.86	46.22	68.20	-21.98	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

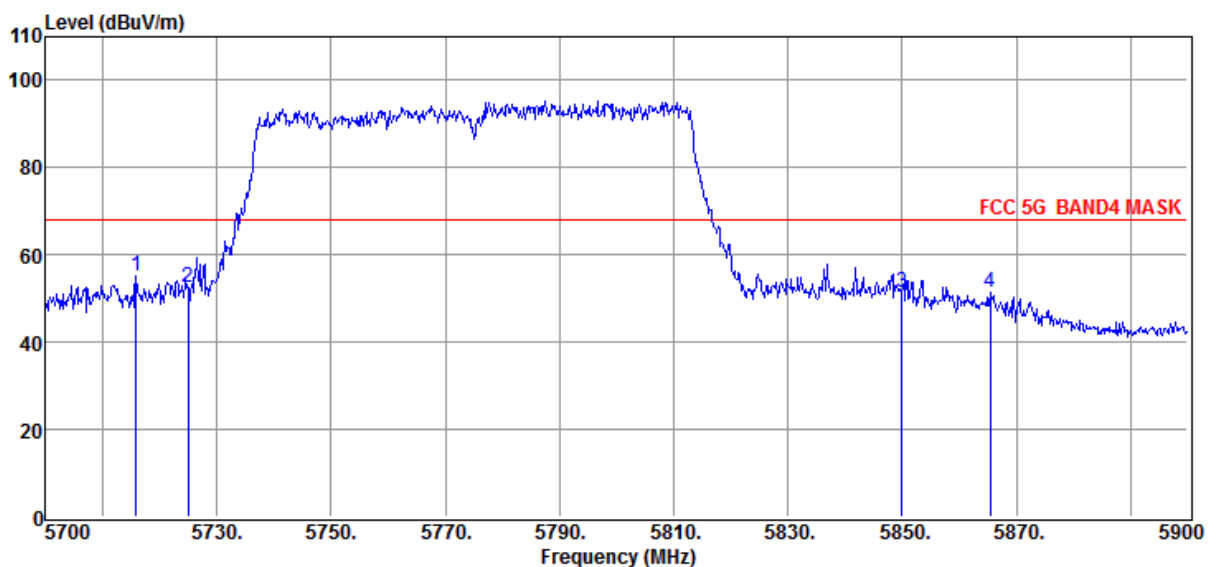
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC80 ANT1+ANT2 MCS0 5775MHz

Data: 194



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	5715.80	52.48	34.45	-31.61	55.32	68.20	-12.88	Peak	HORIZONTAL
2	5725.00	49.90	34.47	-31.69	52.68	68.20	-15.52	Peak	HORIZONTAL
3	5850.00	48.85	34.85	-32.17	51.53	68.20	-16.67	Peak	HORIZONTAL
4	5865.40	48.46	34.90	-31.99	51.37	68.20	-16.83	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

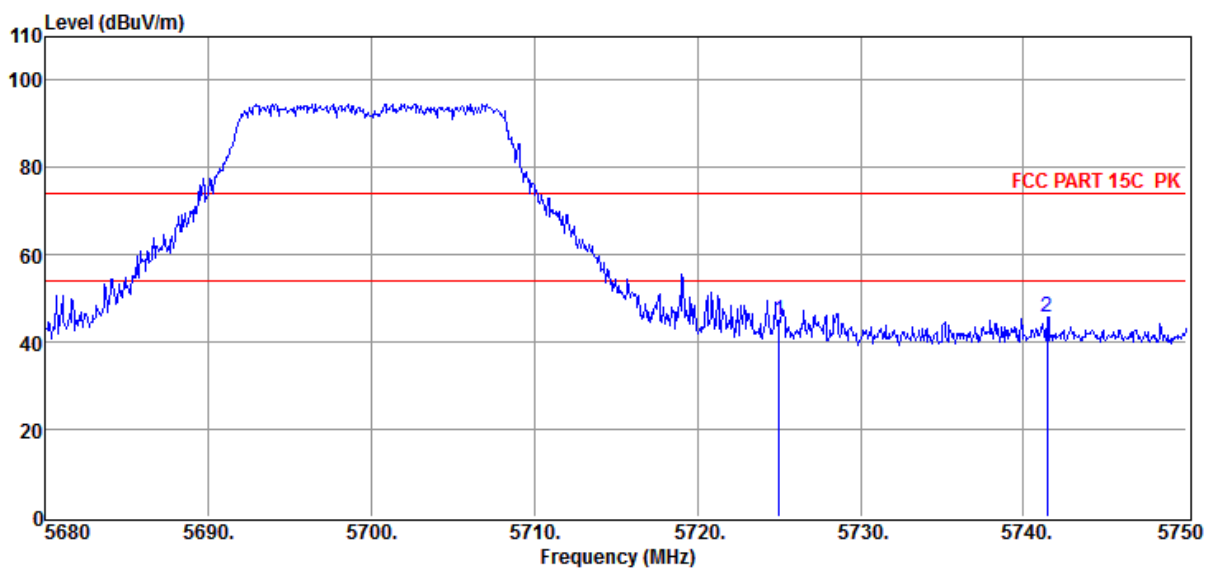
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11a 6M ANT1 5700MHz

Data: 265



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	5725.00	42.33	34.47	-31.69	45.11	74.00	-28.89	Peak	VERTICAL
2	5741.46	43.21	34.52	-31.83	45.90	74.00	-28.10	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

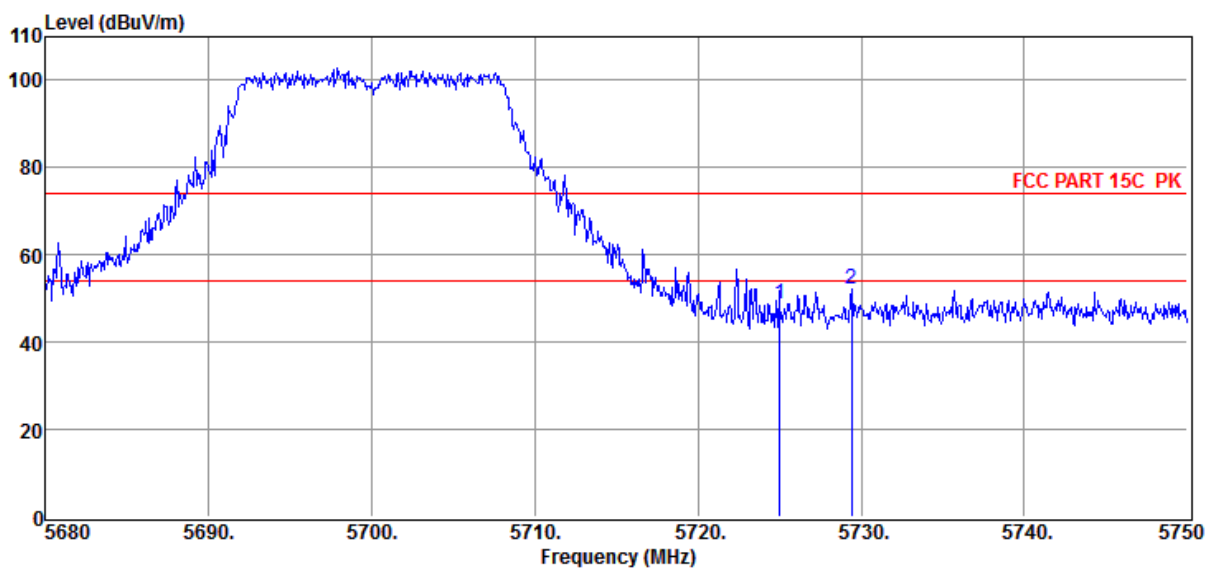
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11a 6M ANT1 5700MHz

Data: 266



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	5725.00	46.07	34.47	-31.69	48.85	74.00	-25.15	Peak	HORIZONTAL
2	5729.42	49.30	34.49	-31.73	52.06	74.00	-21.94	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

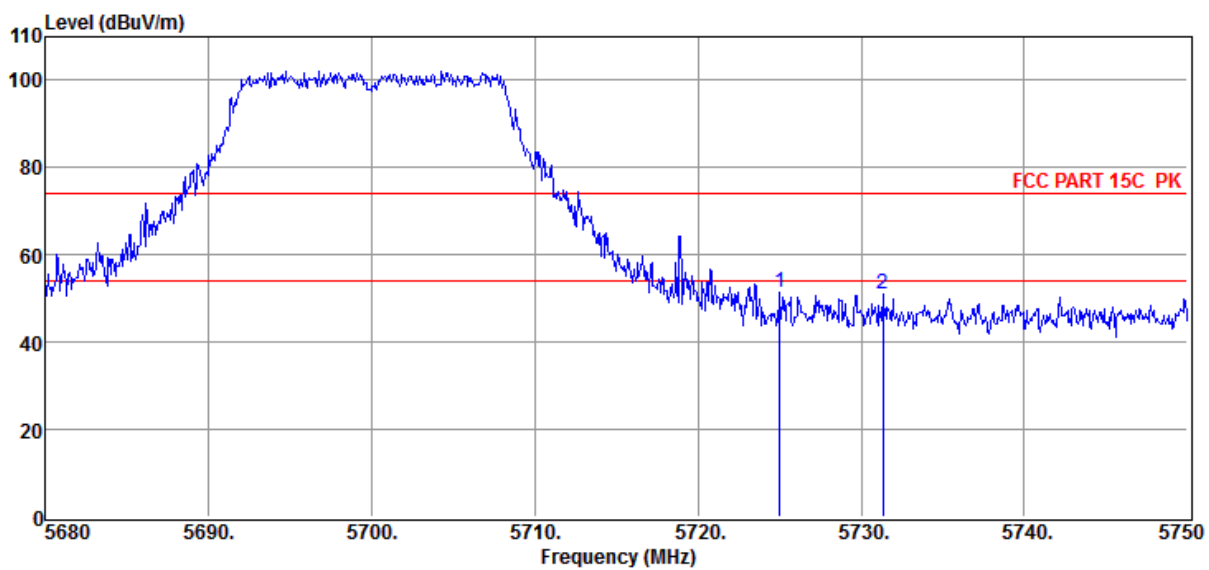
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11a ANT2 6M 5700MHz

Data: 267



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	5725.00	48.69	34.47	-31.69	51.47	74.00	-22.53	Peak	HORIZONTAL
2	5731.31	48.40	34.49	-31.74	51.15	74.00	-22.85	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

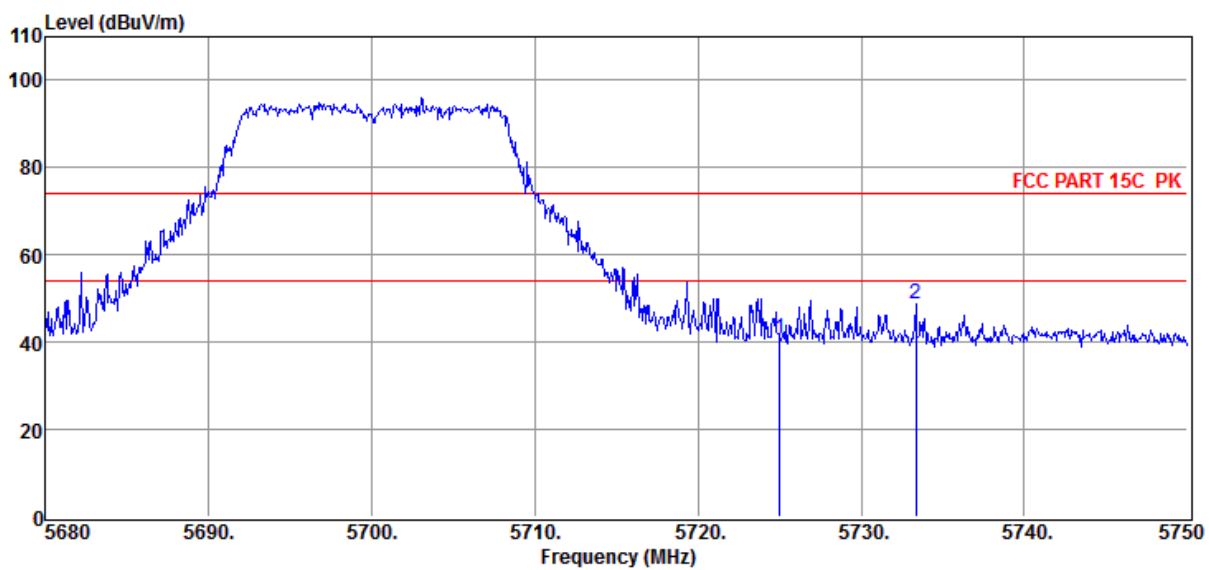
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11a ANT2 6M 5700MHz

Data: 268



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	5725.00	38.00	34.47	-31.69	40.78	74.00	-33.22	Peak	VERTICAL
2	5733.34	46.15	34.50	-31.76	48.89	74.00	-25.11	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 : 02-27-2023

Tested By : Sunny

EUT : AI Delivery Robot

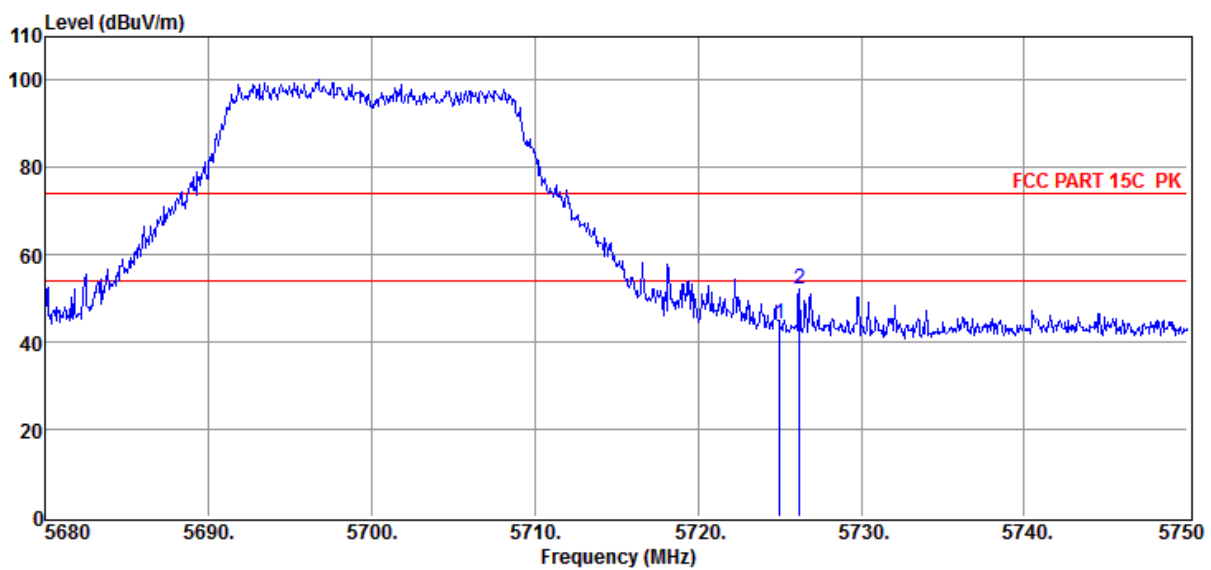
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 ANT1+ANT2 MCS0 5700MHz

Data: 269



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	5725.00	41.58	34.47	-31.69	44.36	74.00	-29.64	Peak	VERTICAL
2	5726.20	49.55	34.48	-31.70	52.33	74.00	-21.67	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

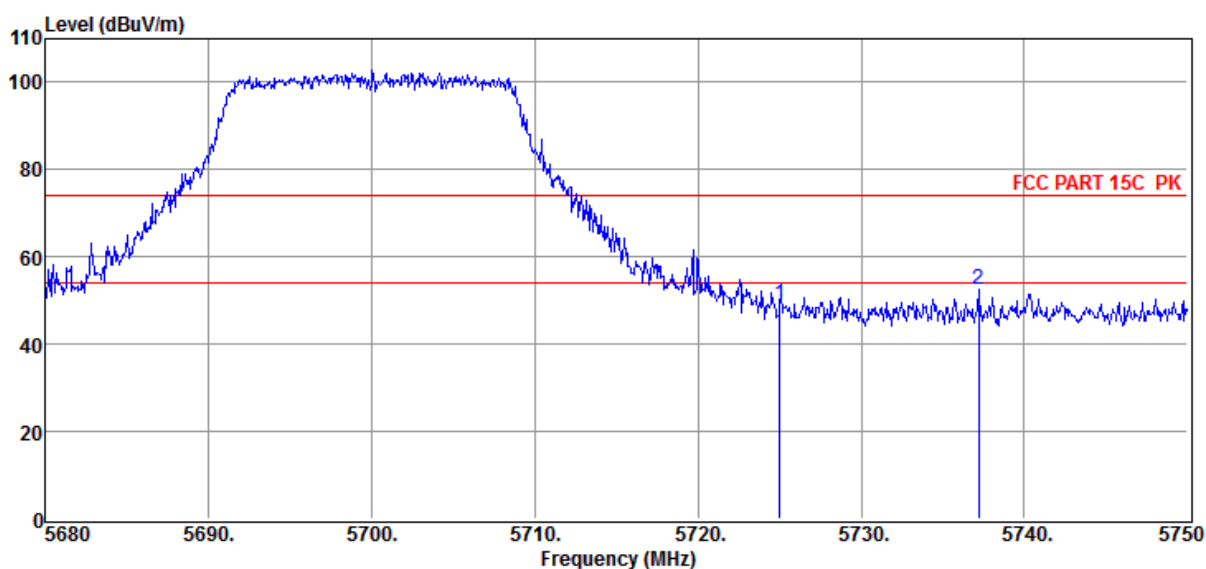
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N20 ANT1+ANT2 MCS0 5700MHz

Data: 270



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	5725.00	46.43	34.47	-31.69	49.21	74.00	-24.79	Peak	HORIZONTAL
2	5737.19	49.80	34.51	-31.79	52.52	74.00	-21.48	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

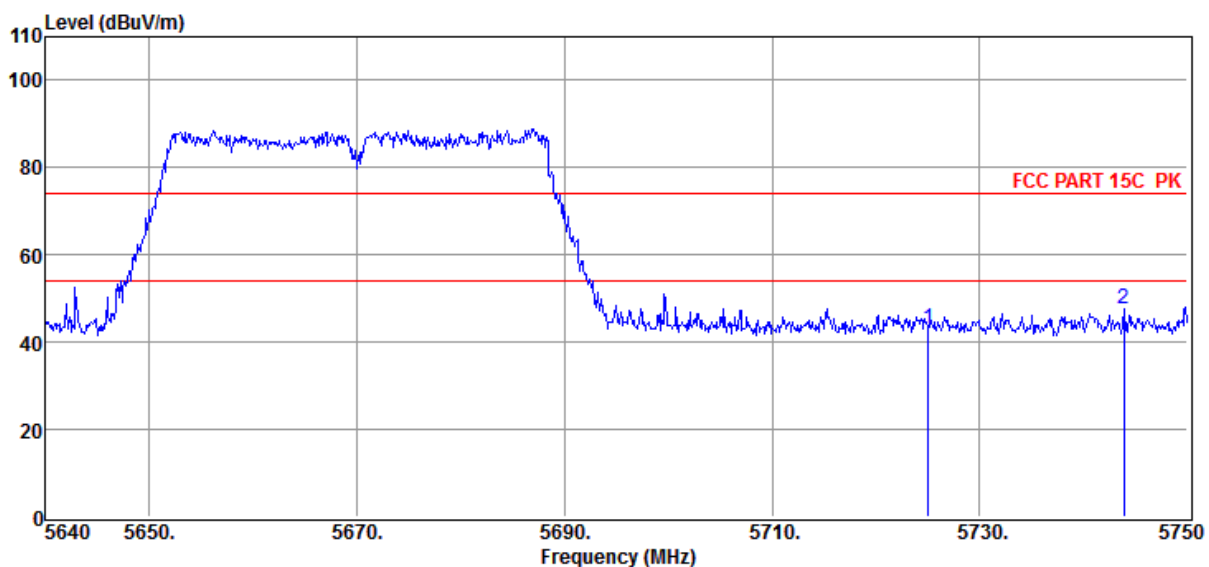
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 ANT1+ANT2 MCS0 5670MHz

Data: 271



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	5725.00	40.18	34.47	-31.69	42.96	74.00	-31.04	Peak	HORIZONTAL
2	5743.84	44.91	34.53	-31.85	47.59	74.00	-26.41	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

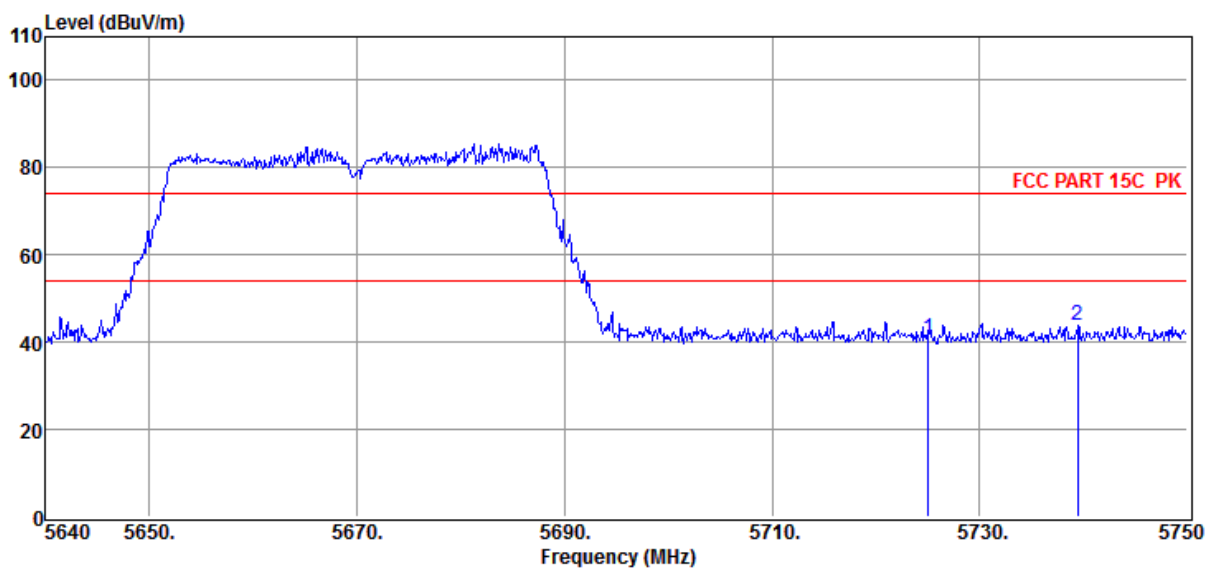
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11N40 ANT1+ANT2 MCS0 5670MHz

Data: 272



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	5725.00	38.08	34.47	-31.69	40.86	74.00	-33.14	Peak	VERTICAL
2	5739.44	41.32	34.52	-31.81	44.03	74.00	-29.97	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

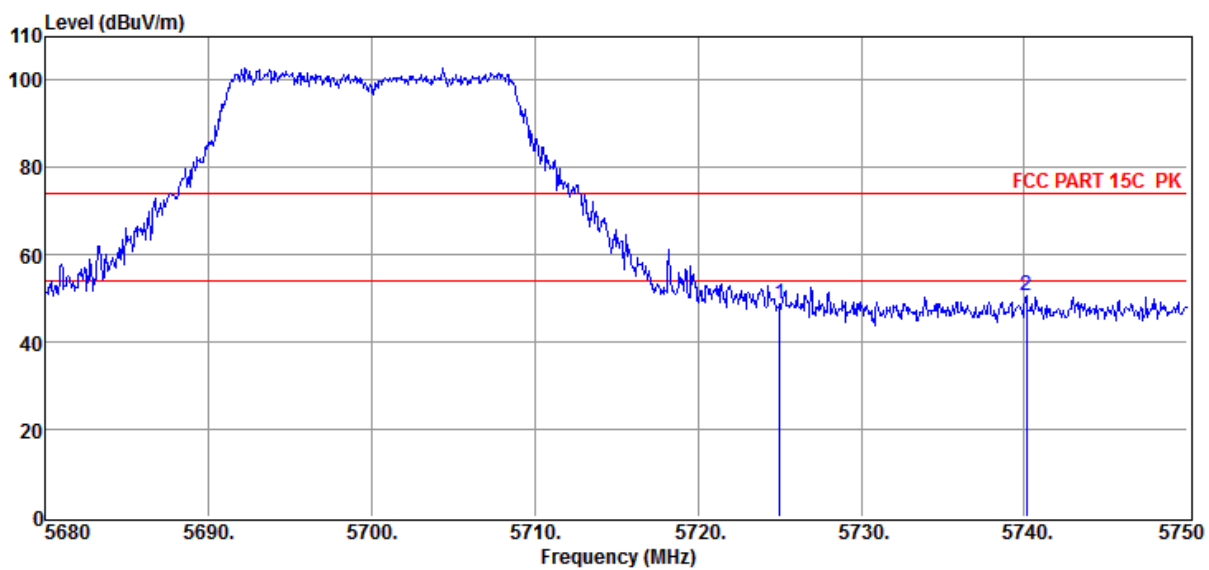
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC20 ANT1+ANT2 MCS0 5700MHz

Data: 273



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	5725.00	46.04	34.47	-31.69	48.82	74.00	-25.18	Peak	HORIZONTAL
2	5740.13	48.05	34.52	-31.82	50.75	74.00	-23.25	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

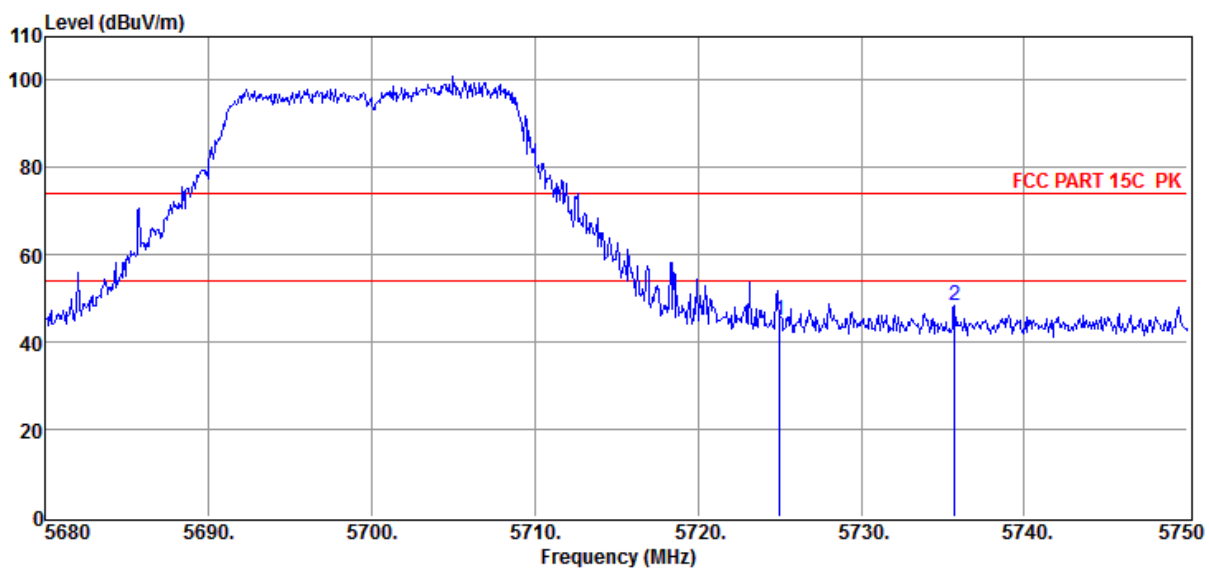
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC20 ANT1+ANT2 MCS0 5700MHz

Data: 274



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	5725.00	42.08	34.47	-31.69	44.86	74.00	-29.14	Peak	VERTICAL
2	5735.72	45.63	34.51	-31.78	48.36	74.00	-25.64	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

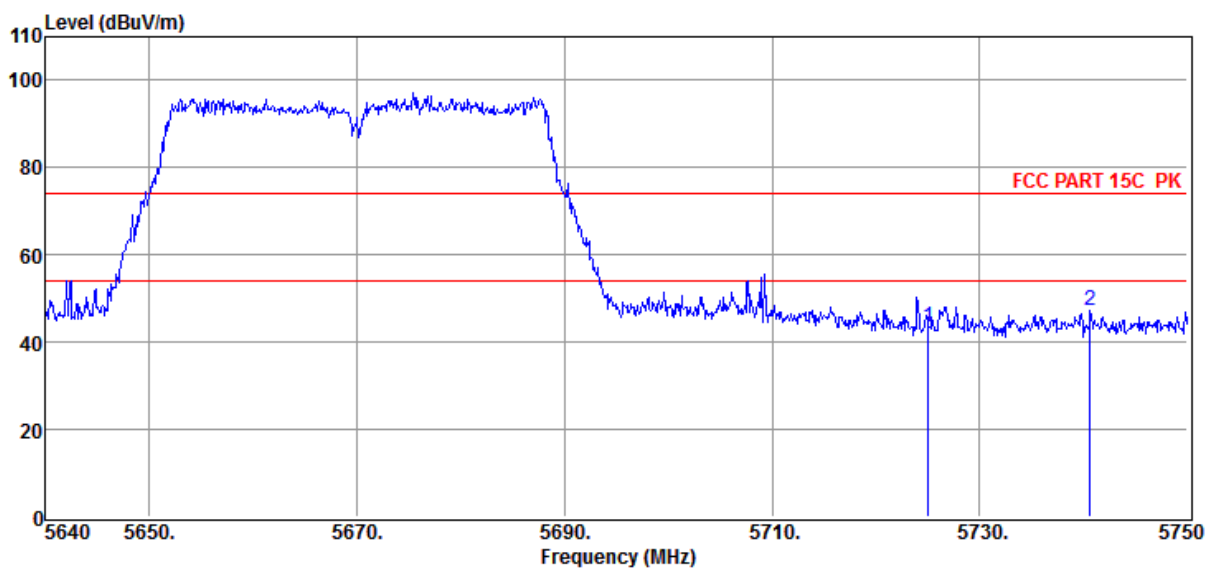
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC40 ANT1+ANT2 MCS0 5670MHz

Data: 275



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	5725.00	40.74	34.47	-31.69	43.52	74.00	-30.48	Peak	VERTICAL
2	5740.65	44.55	34.52	-31.82	47.25	74.00	-26.75	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

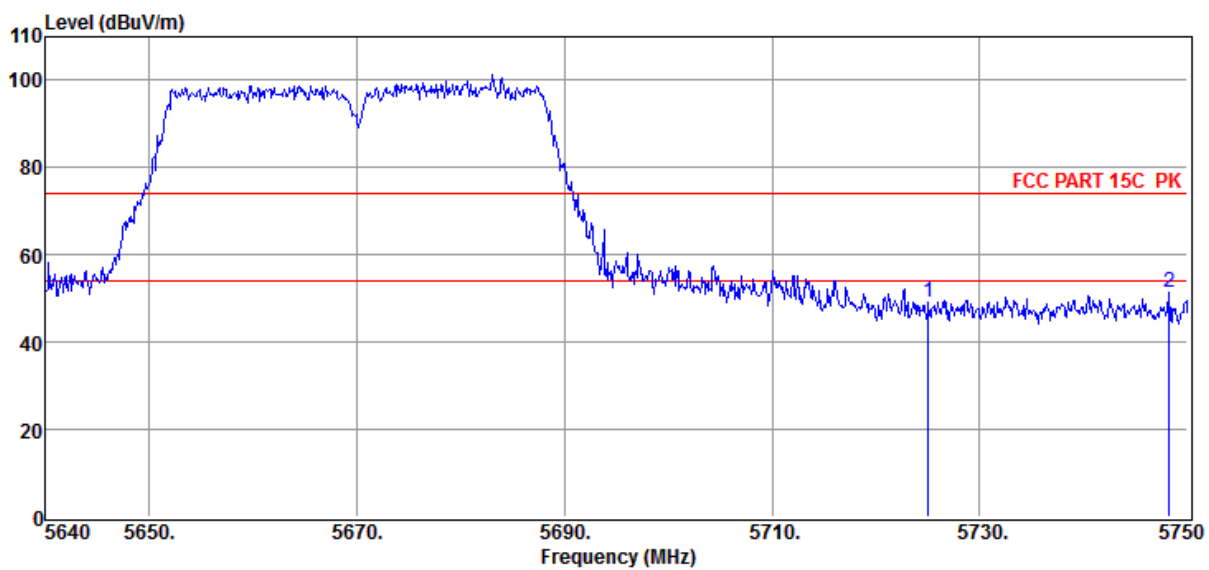
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC40 ANT1+ANT2 MCS0 5670MHZ

Data: 276



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	5725.00	46.32	34.47	-31.69	49.10	74.00	-24.90	Peak	HORIZONTAL
2	5748.24	48.88	34.54	-31.89	51.53	74.00	-22.47	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 : 02-27-2023

Tested By : Sunny

EUT : AI Delivery Robot

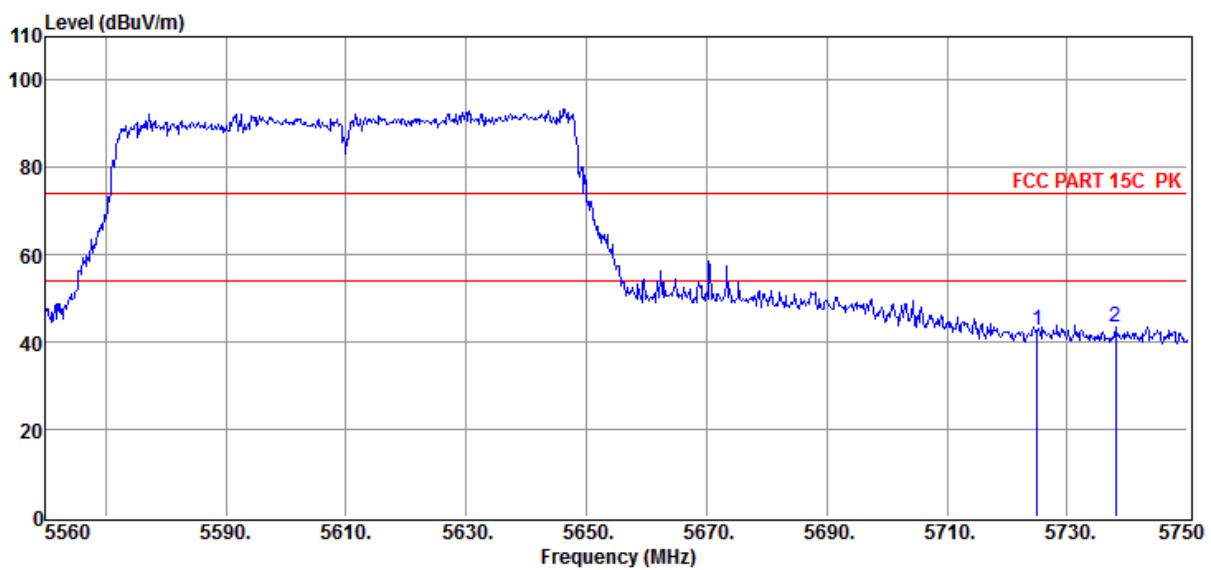
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC80 ANT1+ANT2 MCS0 5610MHZ

Data: 277



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	5725.00	39.88	34.47	-31.69	42.66	74.00	-31.34	Peak	VERTICAL
2	5738.03	40.69	34.51	-31.80	43.40	74.00	-30.60	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

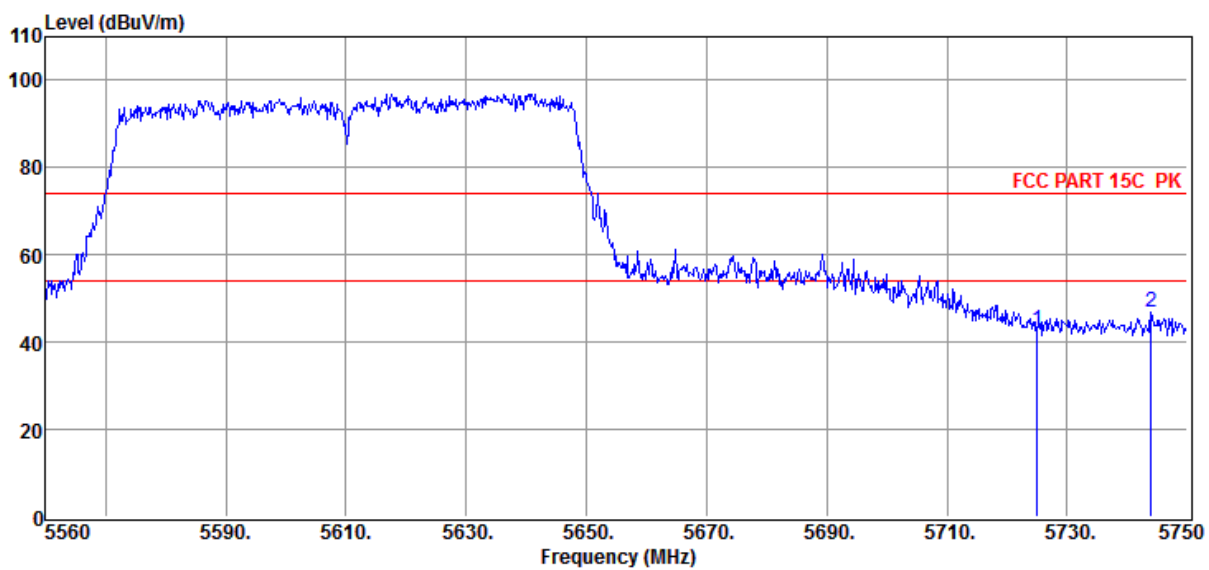
Model Number : OS-R-DR02

Power Supply : Battery

Test Mode : Tx mode

Memo : 11AC80 ANT1+ANT2 MCS0 5610MHZ

Data: 278



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	5725.00	39.89	34.47	-31.69	42.67	74.00	-31.33	Peak	HORIZONTAL
2	5743.92	44.10	34.53	-31.85	46.78	74.00	-27.22	Peak	HORIZONTAL

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

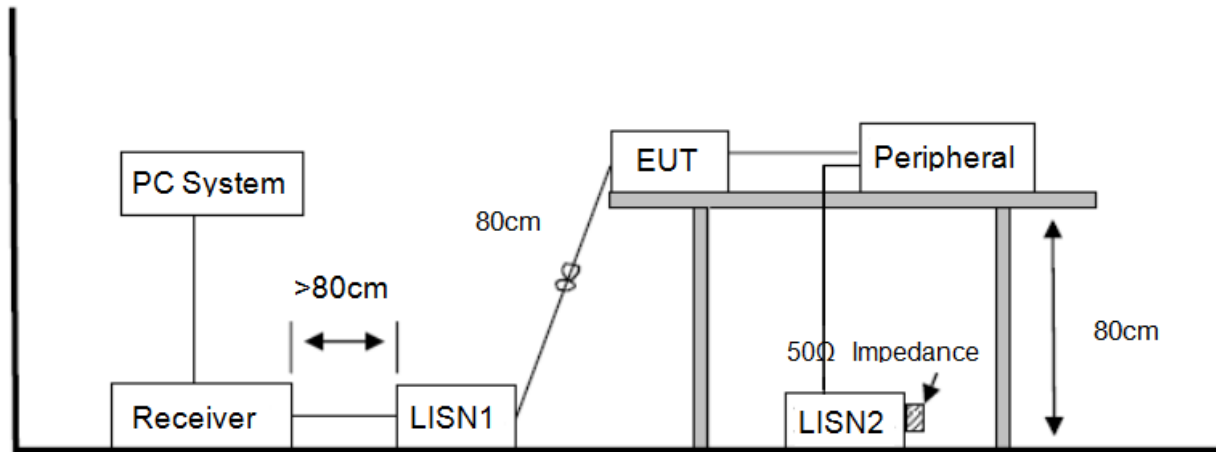
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

4. Margin = Result Level - Limit.

10. Power Line Conducted Emission

10.1. Block diagram of test setup



10.2. Power Line Conducted Emission Limits (Class B)

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz ~ 500 kHz	66 ~ 56*	56 ~ 46*
500 kHz ~ 5 MHz	56	46
5 MHz ~ 30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

10.3. Test Procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.3 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.3 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

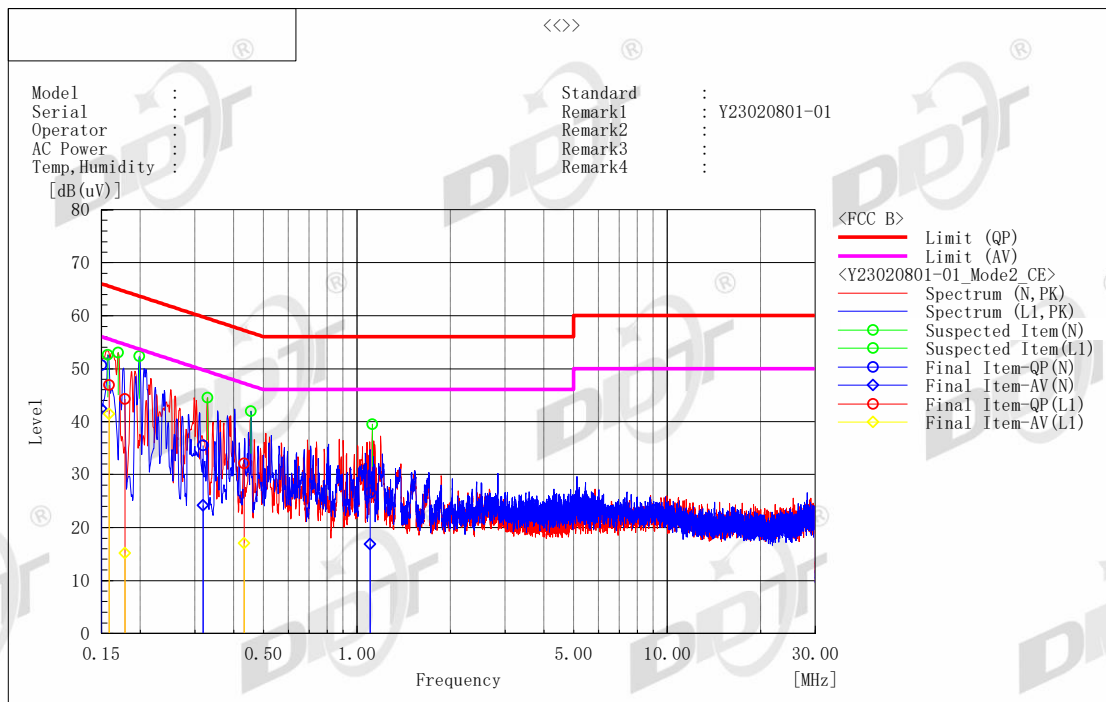
10.4. Test Result

PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: Pre-test AC conducted emission at all mode, the worst case was recorded.

Test Data:



Final Result

N Phase										
No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c. f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	0.1502	40.9	32.7	9.7	50.6	42.4	66.0	56.0	15.4	13.6
2	0.31847	25.8	14.5	9.7	35.5	24.2	59.7	49.7	24.2	25.5
3	1.10251	16.8	7.2	9.7	26.5	16.9	56.0	46.0	29.5	29.1

L1 Phase										
No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c. f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	0.17838	34.5	5.3	9.8	44.3	15.1	64.6	54.6	20.3	39.5
2	0.43215	22.3	7.3	9.8	32.1	17.1	57.2	47.2	25.1	30.1
3	0.15906	37.1	31.6	9.8	46.9	41.4	65.5	55.5	18.6	14.1

Note1) Level (Quasi-Peak and/or C/Average) = Meter Reading + Factor

Note2) Line = Polarity of input power (Live or Neutral)

N : Abbreviation of Neutral Polarity, L1 : Abbreviation of Live Polarity,

Note3) Factor = LISN Insertion Loss + Cable Loss

Note4) Margin = Limit – Level (Quasi-Peak and/or C/Average)

Note5) C/Average : Abbreviation of CISPR Average

11. Antenna Requirements

11.1. 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 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

11.2. Result

The device support 2T2R MIMO, the antennas both used for this product are dedicated FPC antennas and other than that furnished by the responsible party shall be used with the device, maximum antenna gain is 6.22 dBi for antenna 1, 4.44 dBi for antenna 2.

12. Dynamic Frequency Selection

12.1. 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.

12.2. 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 $\geq$ 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.

12.3. 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	Roundup $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	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					

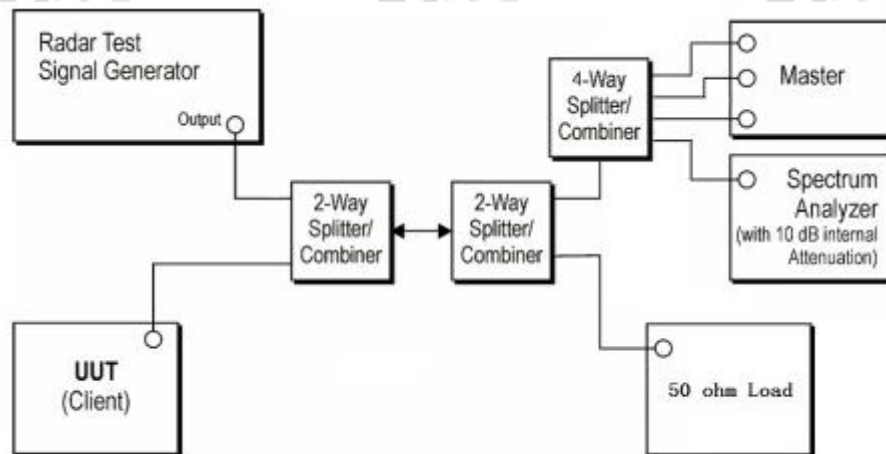
A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are 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

12.4. 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 $-64\text{dBm} + 0\text{dBi} + 1\text{dB} = -63\text{dBm}$ 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 $-64\text{dBm} + 0\text{dBi} + 1\text{dB} = -63\text{dBm}$. Capture the spectrum analyzer plots on short pulse radar waveform.

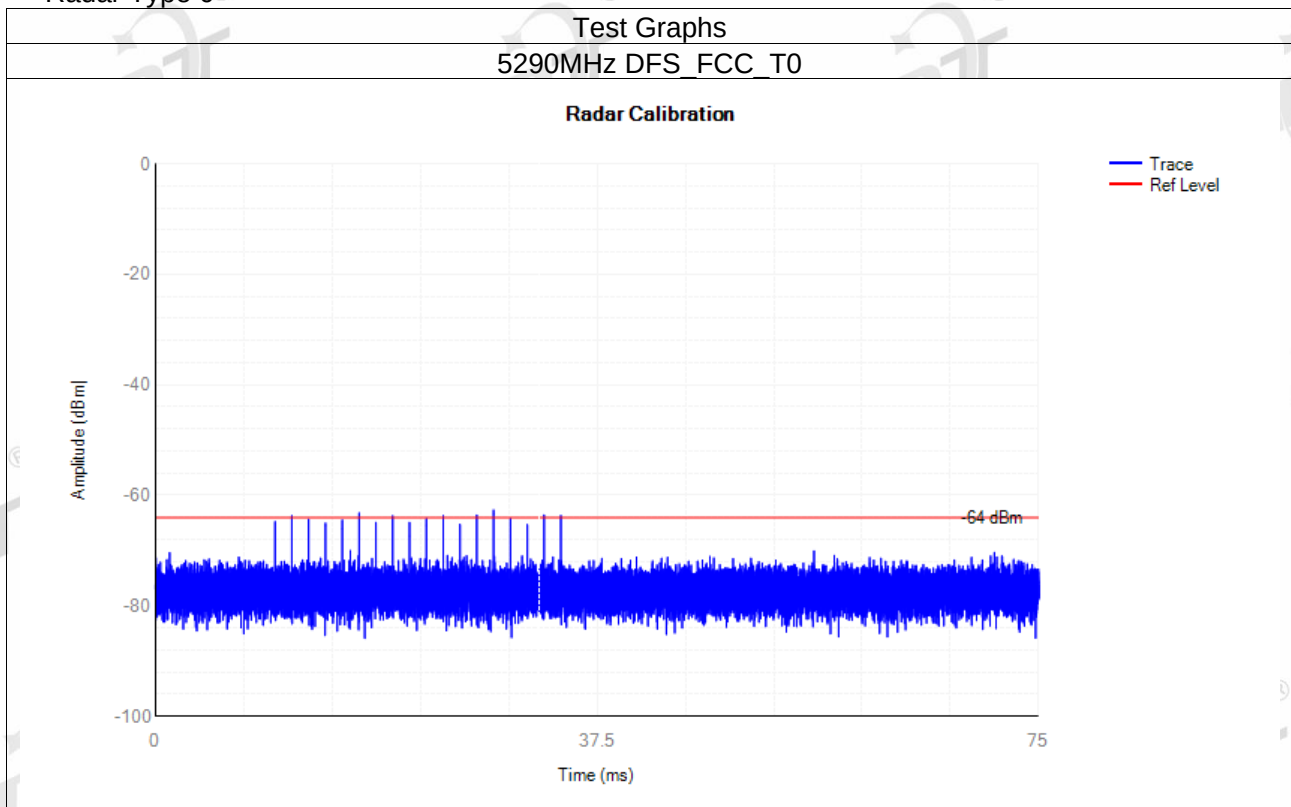
Conducted Calibration Setup:



- Note: 1. Use the software "Web" to set the frequency channel.
2. EUT is not support TPC and not with Radar detection.

Radar Waveform Calibration Result:

Radar Type 0



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

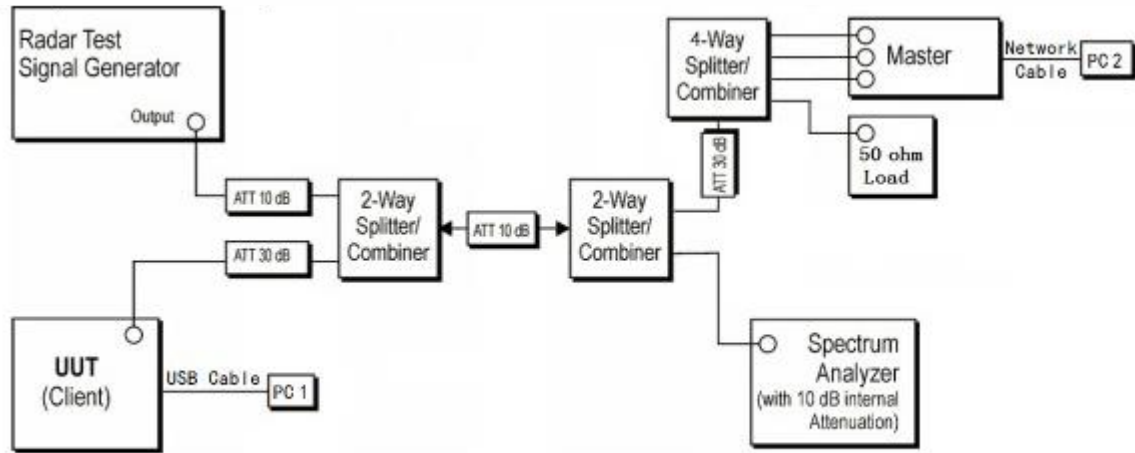
Block diagram of test setup Test Procedure:

- (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 -64dBm 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: $C (ms) = N \times Dwell (0.3ms)$; 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.

12.6. Test setup

Setup for Client with injection at the Master



12.7. Test result

Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmissi on Time (s)	Limit Close Transmissi on Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
5290	0.8824	10	0.0165	0.26	0.0052	0.06	Pass

BW/Channel	Test Item	Test Result	Limit	Results
5290MHz	Non-Occupancy Period	>30min	30min	pass

Test plots as follows:

