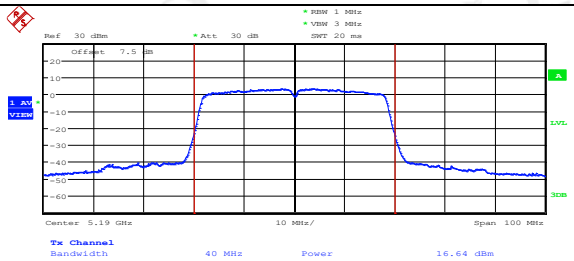
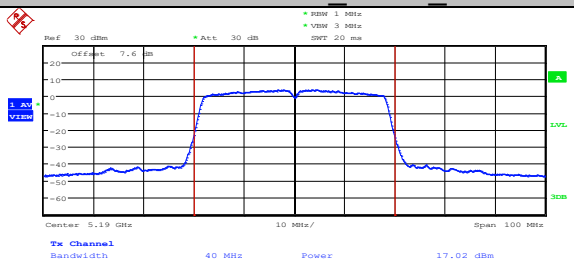


Date: 7.MAY.2019 12:05:46

11AC40SISO_ANT2_5190



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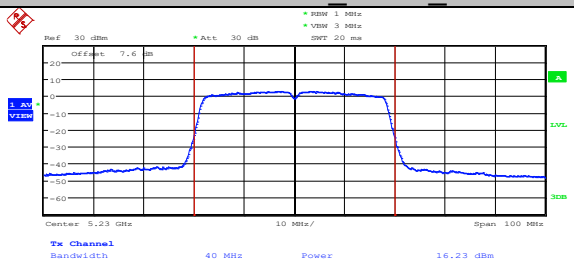

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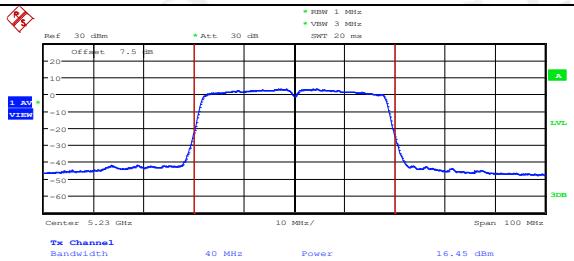
11AC40SISO_ANT2_5230



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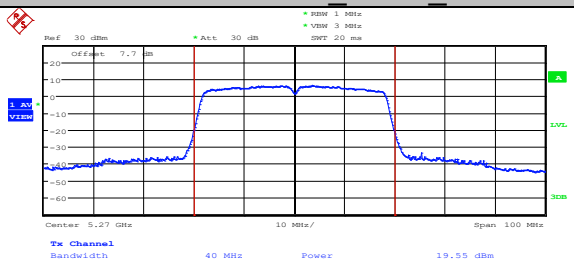

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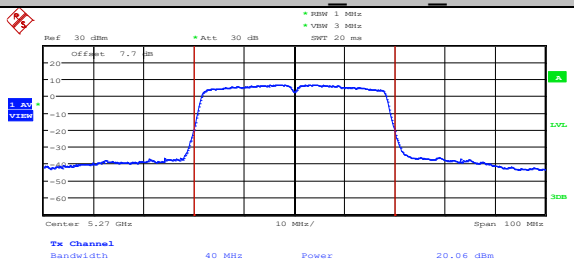

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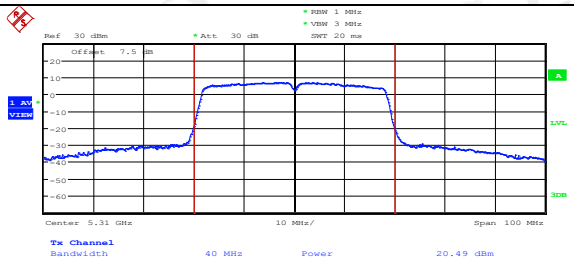

Date: 7.MAY.2019 12:13:56

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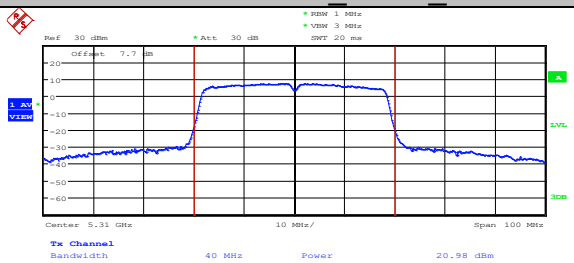

Date: 7.MAY.2019 18:40:13

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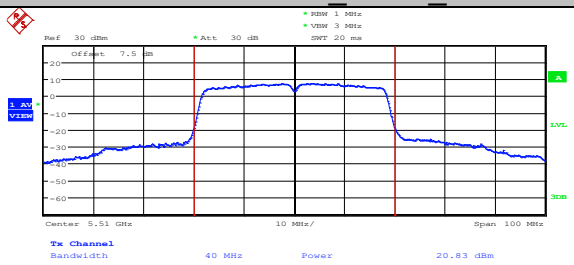

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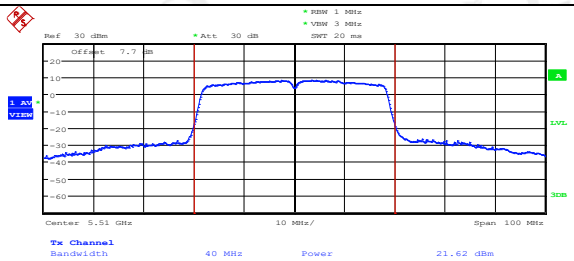

Date: 7.MAY.2019 18:42:54

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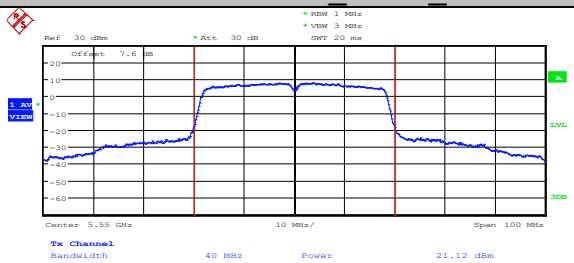

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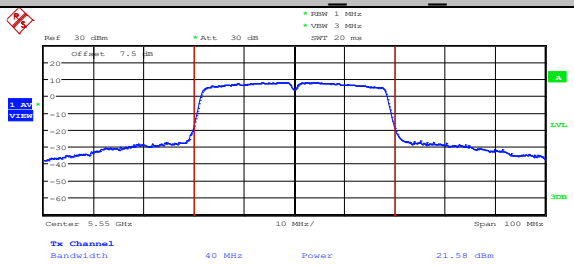

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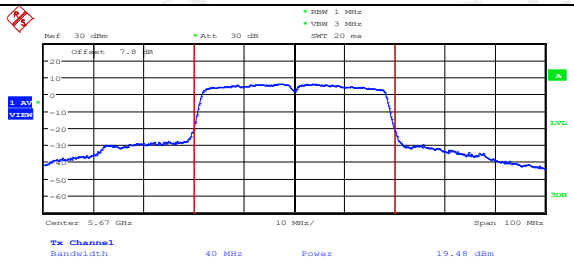
11AC40SISO_ANT1_5670



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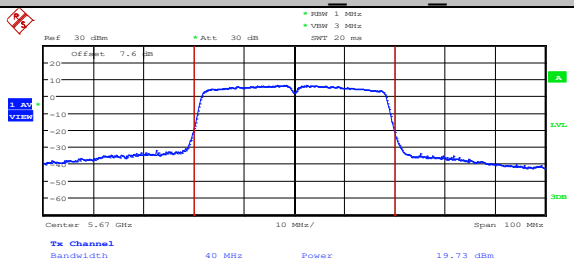

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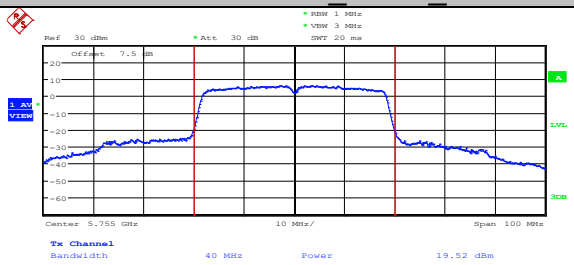

Date: 7.MAY.2019 12:20:56

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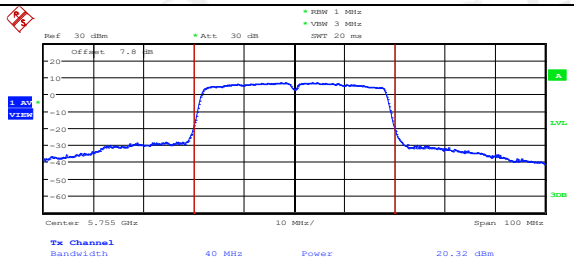

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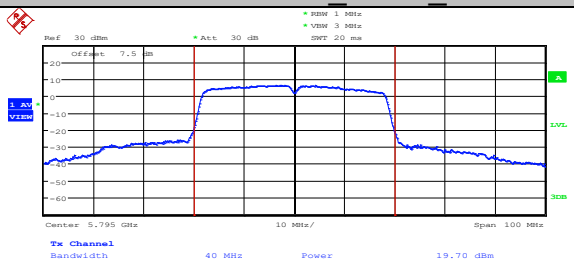

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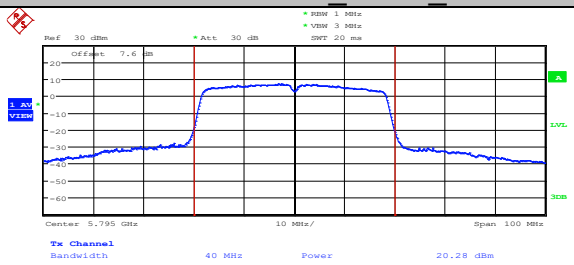

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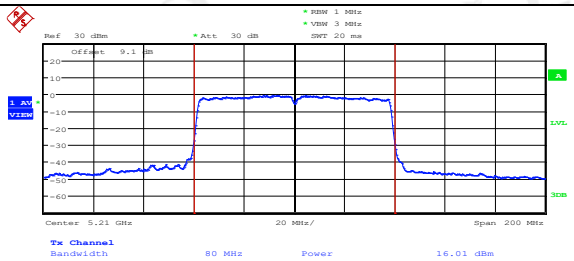

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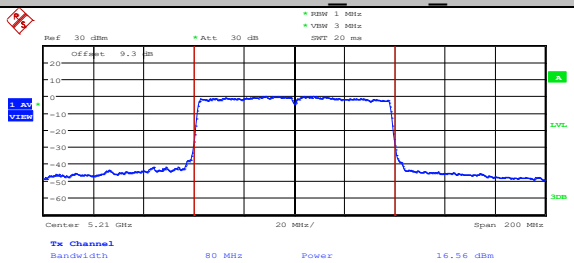

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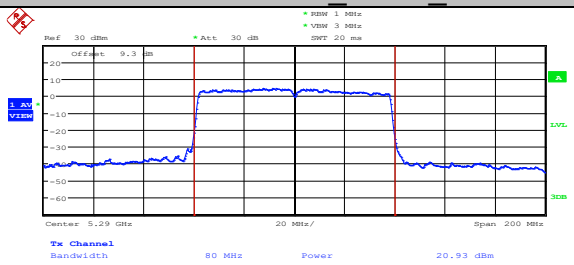

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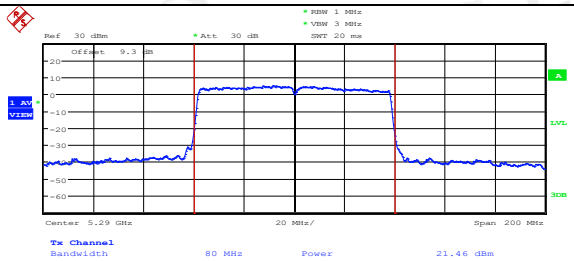

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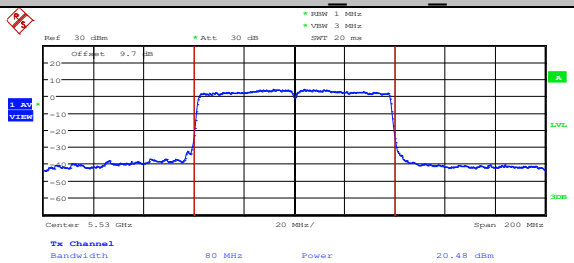

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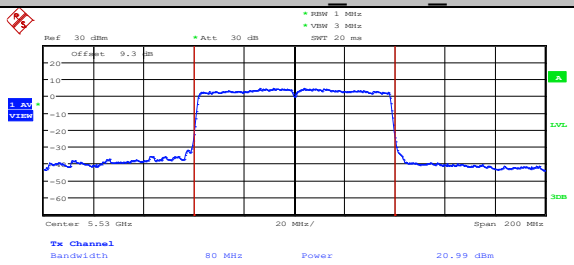

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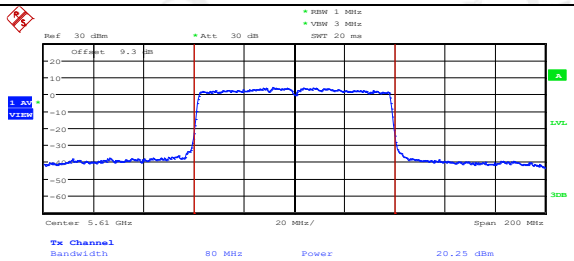

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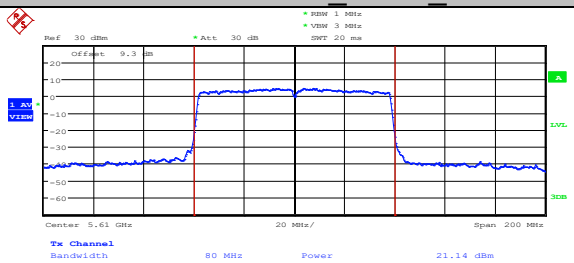

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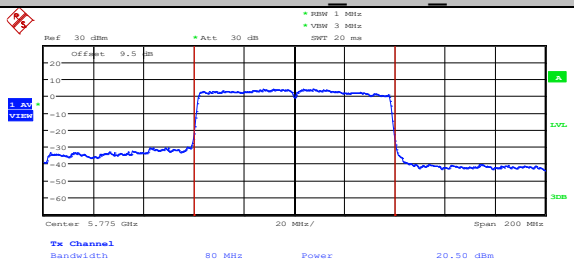

Date: 10.MAY.2019 19:13:39

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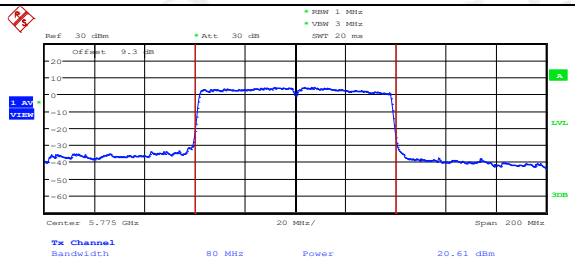


Date: 10.MAY.2019 19:17:31

6. Power Spectral Density

6.1. Block diagram of test setup

Same with 4.1

6.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	For FCC: Other than Mobile and portable:17 dBm/MHz Mobile and portable:11 dBm/MHz	5150-5250
	For RSS eirp:10 dBm/MHz	
	11 dBm/MHz	5250-5350
	11 dBm/MHz	For FCC:5470-5725 For IC:5470-5600 5650-5725
	30 dBm/500 kHz	5725-5850

6.3. Test Procedure

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

5150 MHz~5250 MHz, 5250 MHz~5350 MHz, 5470 MHz~5725 MHz

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

5725 MHz-5850 MHz

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

Note:
1. For UNII-3, according to KDB publication 789033 D02 General U-NII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 1 MHz and VBW at 3 MHz if the spectrum analyzer does not have 500 kHz RBW.
2. The value measured with RBW=1MHz is to be added with 10log(500kHz/1MHz) which is - 3dB. For example, if the measured value is +10 dBm using RBW=1 MHz (that is +10 dBm/MHz), then the converted value will be +7 dBm/500 kHz.
Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

6.4. Test Result

(5150-5250)

Test Mode	Ant	Test Channel	PSD [dBm/MHz]	PSD eirp [dBm/MHz]	FCC Limit [dBm/MHz]	ISED Limit [dBm/MHz]
11A	ANT1	5180	4.23	7.54	11	10
11A	ANT2	5180	4.12	8.69	11	10
11A	ANT1	5200	4.14	7.45	11	10
11A	ANT2	5200	4.79	9.36	11	10
11A	ANT1	5240	3.60	6.91	11	10
11A	ANT2	5240	3.93	8.50	11	10
11N20	ANT1	5180	3.92	7.23	11	10
11N20	ANT2	5180	4.28	8.85	11	10
11N20	ANT1	5200	4.11	7.42	11	10
11N20	ANT2	5200	4.30	8.87	11	10
11N20	ANT1	5240	3.98	7.29	11	10
11N20	ANT2	5240	4.30	8.87	11	10
11N40	ANT1	5190	1.47	4.78	11	10
11N40	ANT2	5190	1.18	5.75	11	10
11N40	ANT1	5230	2.83	6.14	11	10
11N40	ANT2	5230	3.52	8.09	11	10
11AC20	ANT1	5180	4.16	7.47	11	10
11AC20	ANT2	5180	4.08	8.65	11	10
11AC20	ANT1	5200	3.99	7.30	11	10
11AC20	ANT2	5200	4.35	8.92	11	10
11AC20	ANT1	5240	3.44	6.75	17	10
11AC20	ANT2	5240	4.09	8.66	17	10
11AC40	ANT1	5190	3.85	7.16	17	10
11AC40	ANT2	5190	3.91	8.48	11	10
11AC40	ANT1	5230	2.72	6.03	11	10
11AC40	ANT2	5230	2.98	7.55	11	10
11AC80	ANT1	5210	-0.47	2.84	11	10

11AC80	ANT2	5210	-0.37	4.20	11	10

(5250-5350, 5470-5725)

Test Mode	Ant	Test Channel	PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	ANT1	5260	7.61	11	PASS
11A	ANT2	5260	7.98	11	PASS
11A	ANT1	5280	8.79	11	PASS
11A	ANT2	5280	8.82	11	PASS
11A	ANT1	5320	8.83	11	PASS
11A	ANT2	5320	8.84	11	PASS
11A	ANT1	5500	9.09	11	PASS
11A	ANT2	5500	9.11	11	PASS
11A	ANT1	5580	9.34	11	PASS
11A	ANT2	5580	9.33	11	PASS
11A	ANT1	5700	6.96	11	PASS
11A	ANT2	5700	7.09	11	PASS
11N20	ANT1	5260	7.71	11	PASS
11N20	ANT2	5260	7.98	11	PASS
11N20	ANT1	5280	8.78	11	PASS
11N20	ANT2	5280	8.81	11	PASS
11N20	ANT1	5320	8.77	11	PASS
11N20	ANT2	5320	9.10	11	PASS
11N20	ANT1	5500	9.28	11	PASS
11N20	ANT2	5500	9.53	11	PASS
11N20	ANT1	5580	9.60	11	PASS
11N20	ANT2	5580	10.35	11	PASS
11N20	ANT1	5700	6.29	11	PASS
11N20	ANT2	5700	7.30	11	PASS
11N40	ANT1	5270	4.05	11	PASS
11N40	ANT2	5270	4.24	11	PASS
11N40	ANT1	5310	7.17	11	PASS
11N40	ANT2	5310	7.40	11	PASS
11N40	ANT1	5510	7.57	11	PASS
11N40	ANT2	5510	7.81	11	PASS
11N40	ANT1	5550	5.82	11	PASS
11N40	ANT2	5550	6.34	11	PASS
11N40	ANT1	5670	6.26	11	PASS
11N40	ANT2	5670	6.04	11	PASS

11AC20	ANT1	5260	7.76	11	PASS
11AC20	ANT2	5260	7.99	11	PASS
11AC20	ANT1	5280	8.70	11	PASS
11AC20	ANT2	5280	8.95	11	PASS
11AC20	ANT1	5320	8.86	11	PASS
11AC20	ANT2	5320	9.16	11	PASS
11AC20	ANT1	5500	8.94	11	PASS
11AC20	ANT2	5500	9.28	11	PASS
11AC20	ANT1	5580	8.98	11	PASS
11AC20	ANT2	5580	9.42	11	PASS
11AC20	ANT1	5700	6.62	11	PASS
11AC20	ANT2	5700	7.41	11	PASS
11AC40	ANT1	5270	3.87	11	PASS
11AC40	ANT2	5270	4.12	11	PASS
11AC40	ANT1	5310	7.31	11	PASS
11AC40	ANT2	5310	7.25	11	PASS
11AC40	ANT1	5510	7.89	11	PASS
11AC40	ANT2	5510	8.00	11	PASS
11AC40	ANT1	5550	5.57	11	PASS
11AC40	ANT2	5550	5.89	11	PASS
11AC40	ANT1	5670	5.69	11	PASS
11AC40	ANT2	5670	6.22	11	PASS
11AC80	ANT1	5290	4.23	11	PASS
11AC80	ANT2	5290	4.57	11	PASS
11AC80	ANT1	5530	3.56	11	PASS
11AC80	ANT2	5530	4.22	11	PASS

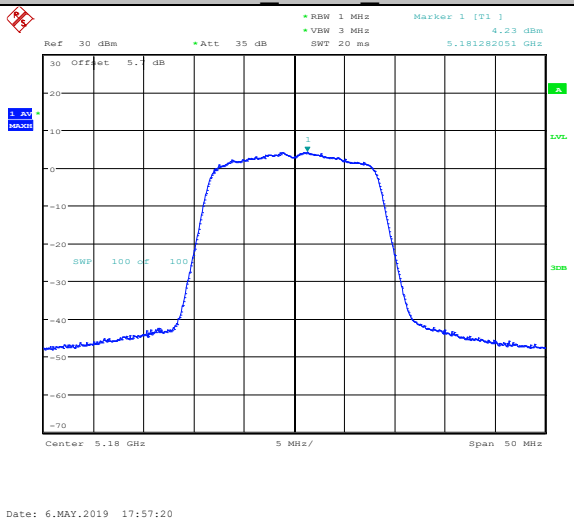
(5725-5850)

Test Mode	Test Channel	Ant	PSD [dBm/500kHz]	Limit [dBm/500kHz]	Verdict
11A	ANT1	5745	5.01	30	PASS
11A	ANT2	5745	5.56	30	PASS
11A	ANT1	5785	6.28	30	PASS
11A	ANT2	5785	6.07	30	PASS
11A	ANT1	5825	4.36	30	PASS
11A	ANT2	5825	4.75	30	PASS
11N20	ANT1	5745	5.11	30	PASS
11N20	ANT2	5745	6.25	30	PASS

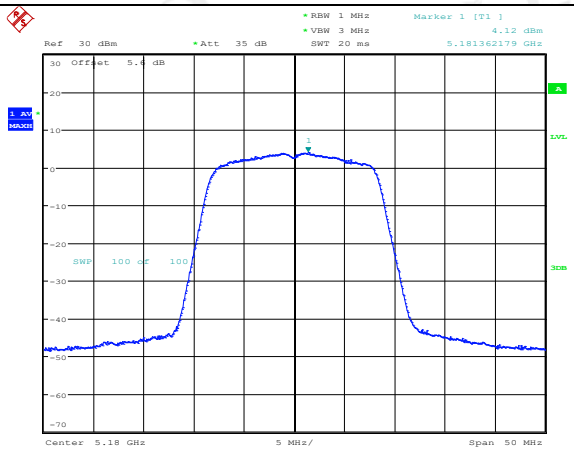
11N20	ANT1	5785	5.31	30	PASS
11N20	ANT2	5785	6.61	30	PASS
11N20	ANT1	5825	3.44	30	PASS
11N20	ANT2	5825	5.04	30	PASS
11N40	ANT1	5755	3.91	30	PASS
11N40	ANT2	5755	4.31	30	PASS
11N40	ANT1	5795	4.64	30	PASS
11N40	ANT2	5795	5.04	30	PASS
11AC20	ANT1	5745	5.83	30	PASS
11AC20	ANT2	5745	6.24	30	PASS
11AC20	ANT1	5785	6.31	30	PASS
11AC20	ANT2	5785	6.70	30	PASS
11AC20	ANT1	5825	4.63	30	PASS
11AC20	ANT2	5825	5.38	30	PASS
11AC40	ANT1	5755	3.70	30	PASS
11AC40	ANT2	5755	4.48	30	PASS
11AC40	ANT1	5795	4.05	30	PASS
11AC40	ANT2	5795	4.34	30	PASS
11AC80	ANT1	5775	1.69	30	PASS
11AC80	ANT2	5775	1.89	30	PASS

6.5. Original test data

11A_ANT1_5180

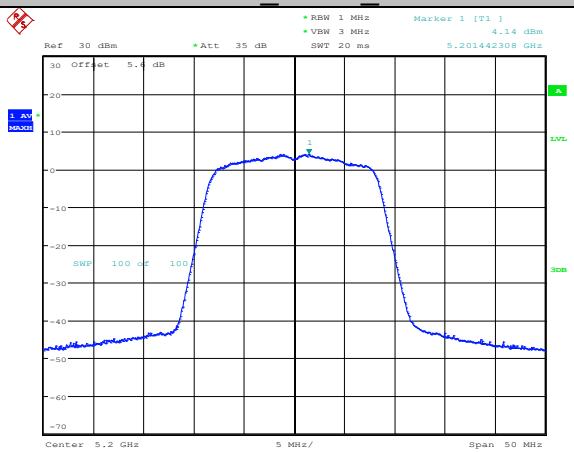


11A_ANT2_5180



Date: 7.MAY.2019 14:47:38

11A_ANT1_5200



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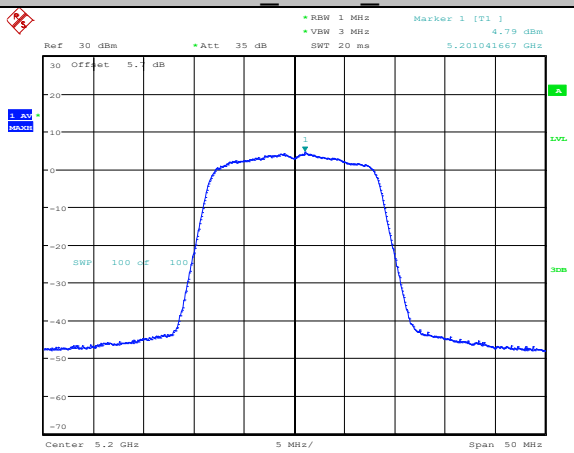

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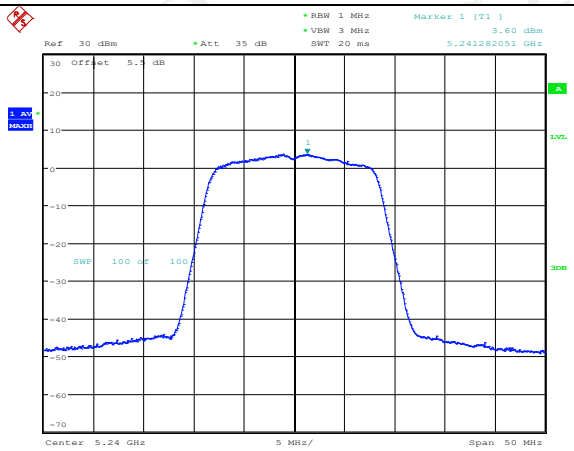

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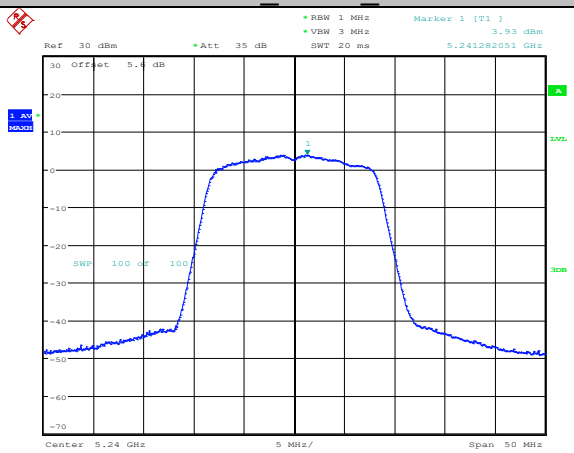

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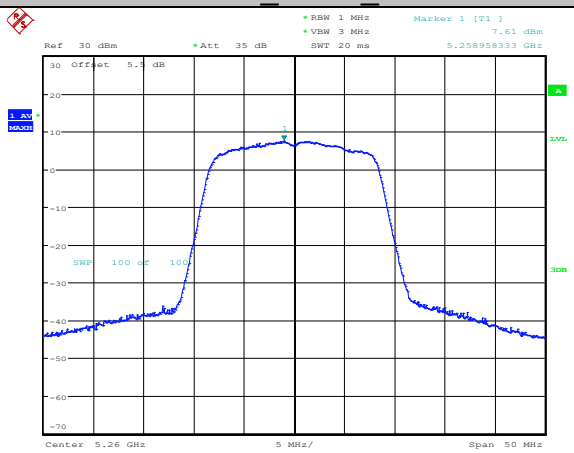

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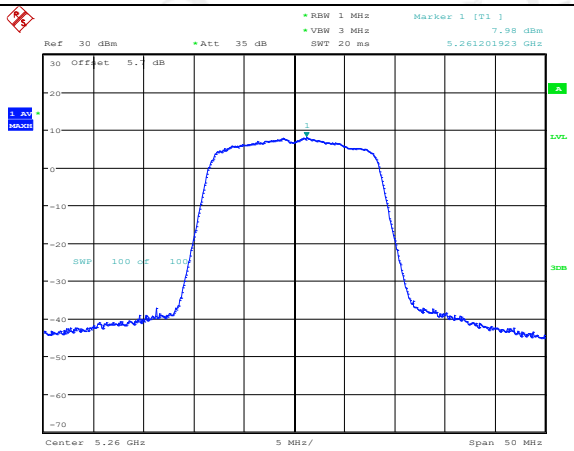

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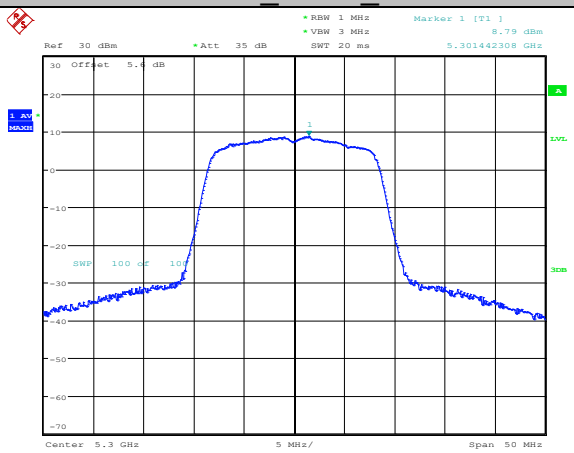

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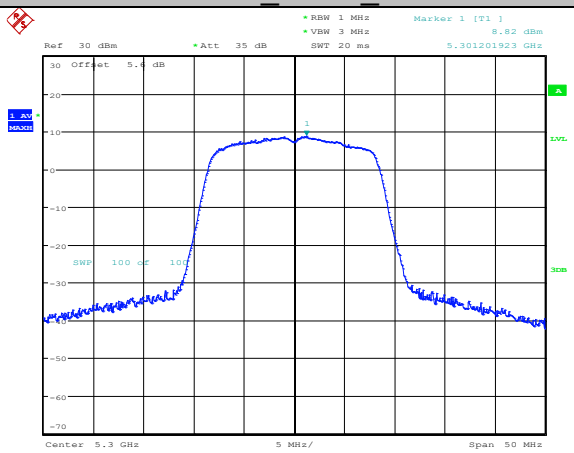

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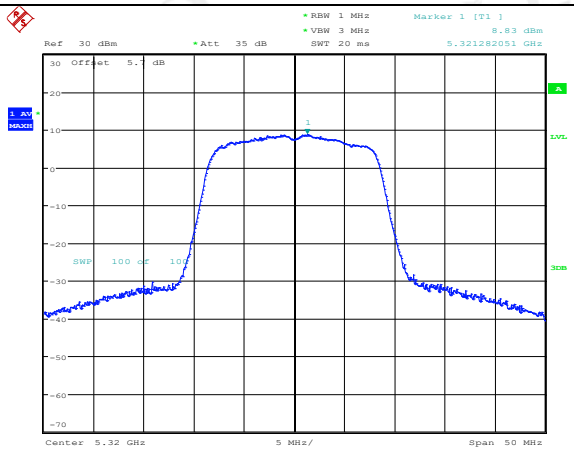

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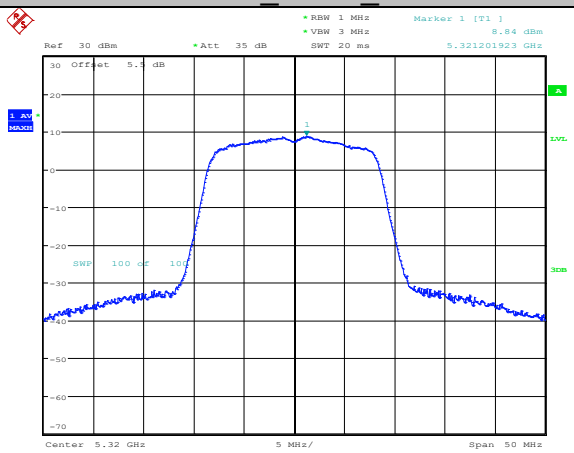

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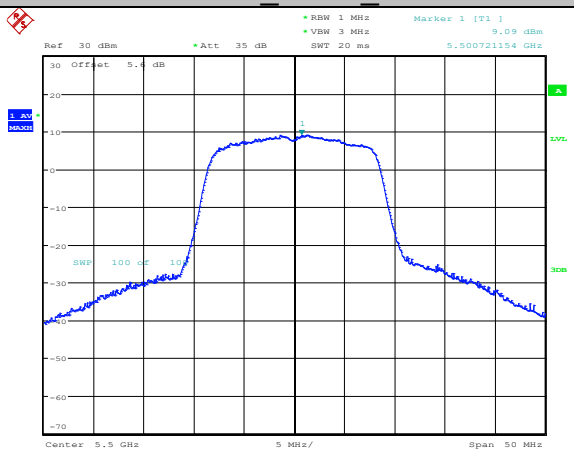

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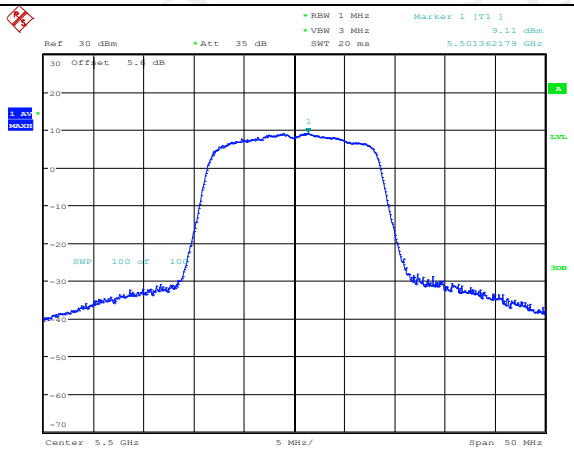

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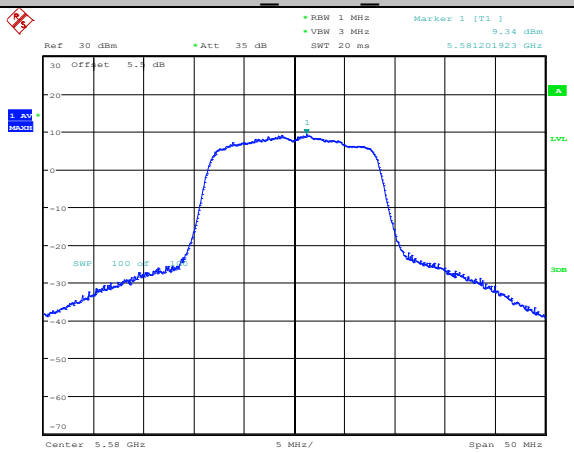

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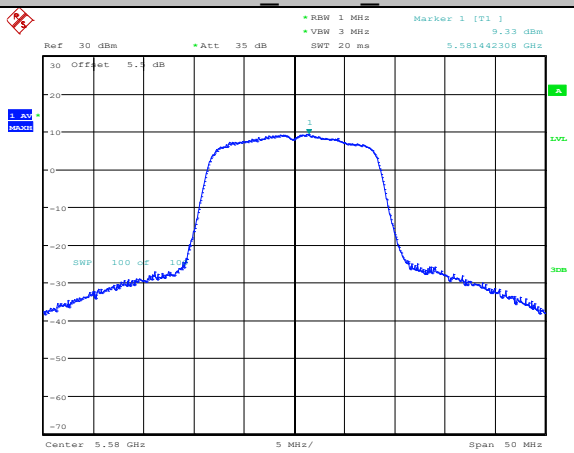

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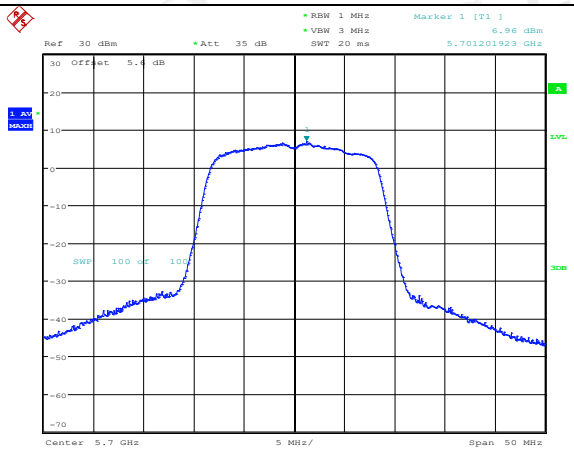

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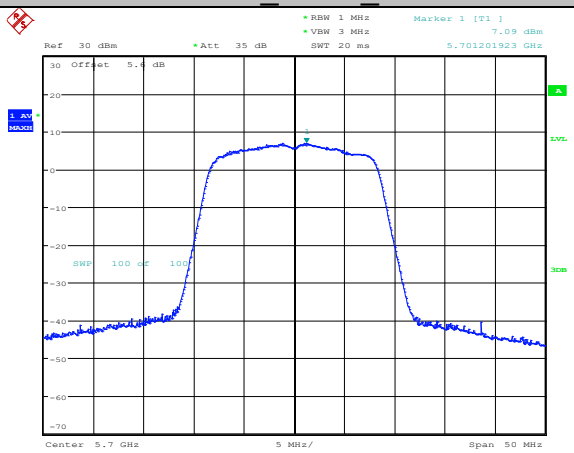

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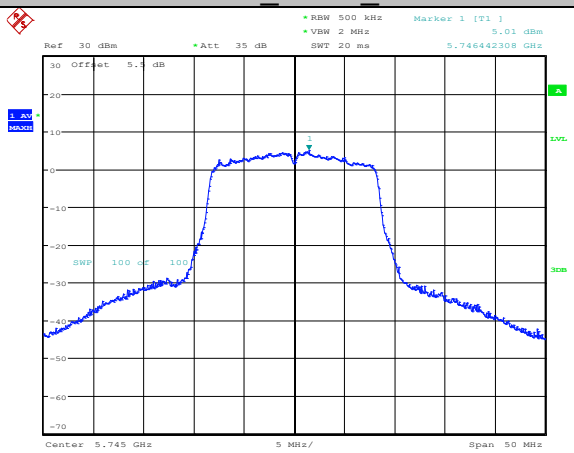

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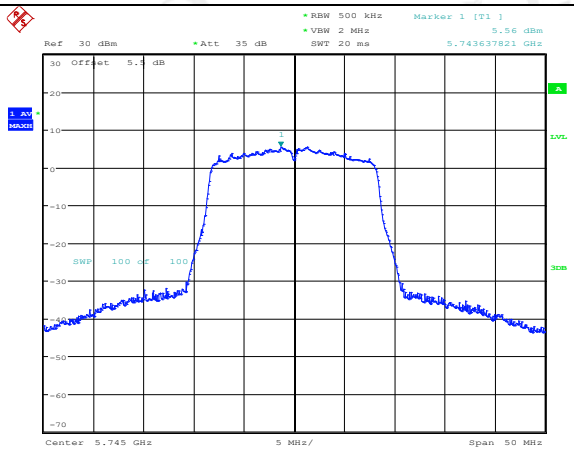

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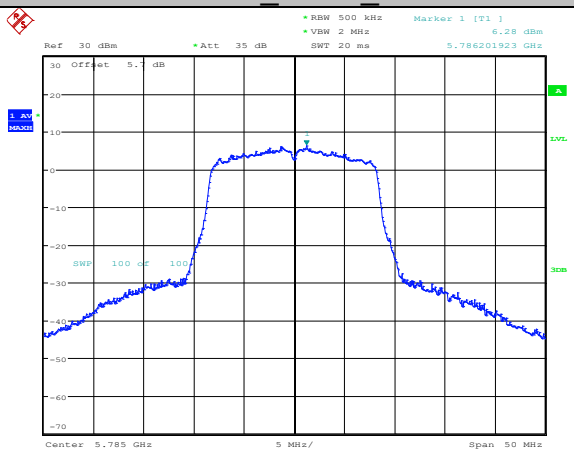

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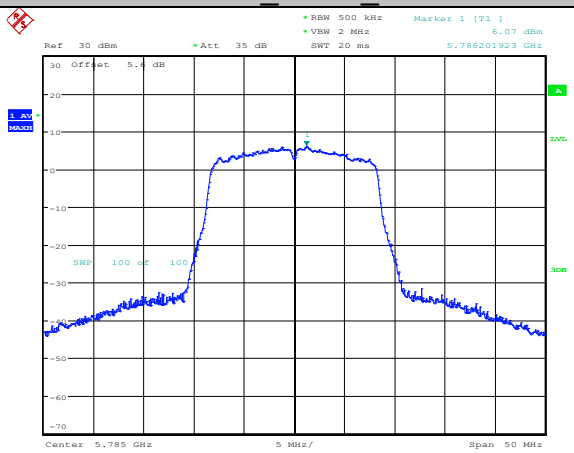

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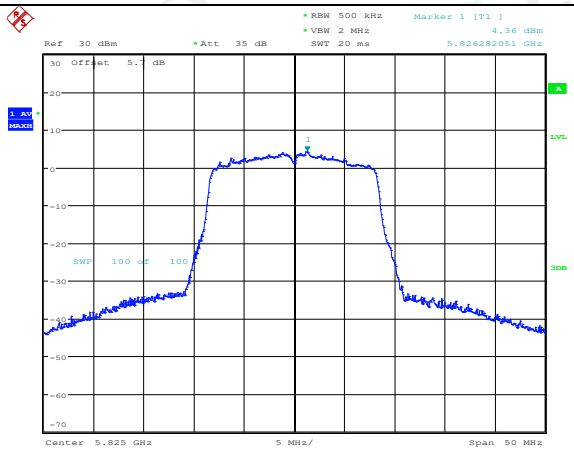

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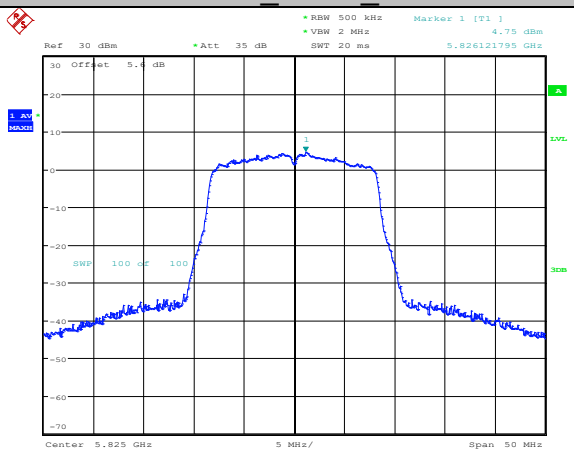

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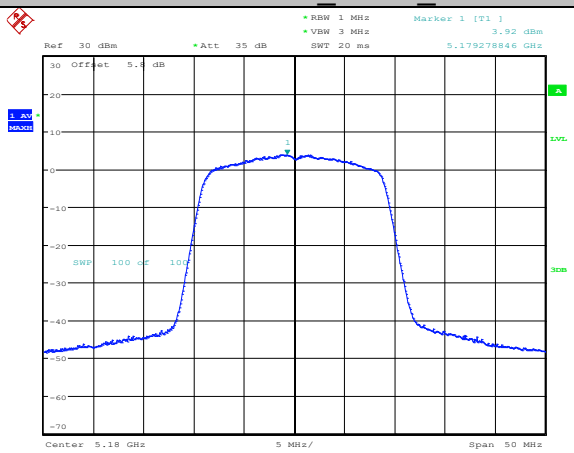

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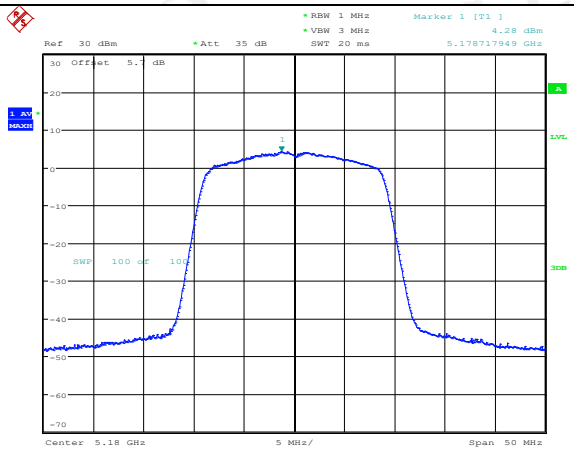

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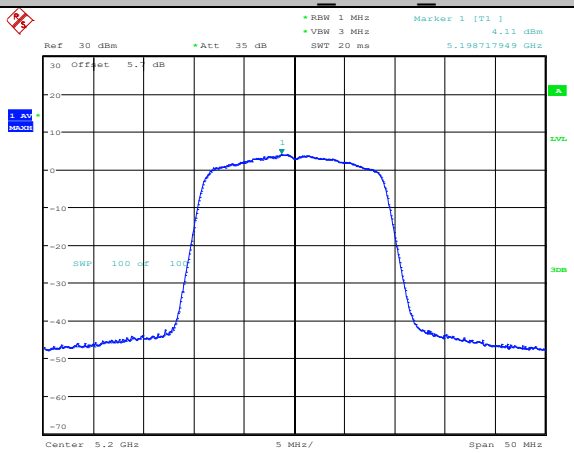

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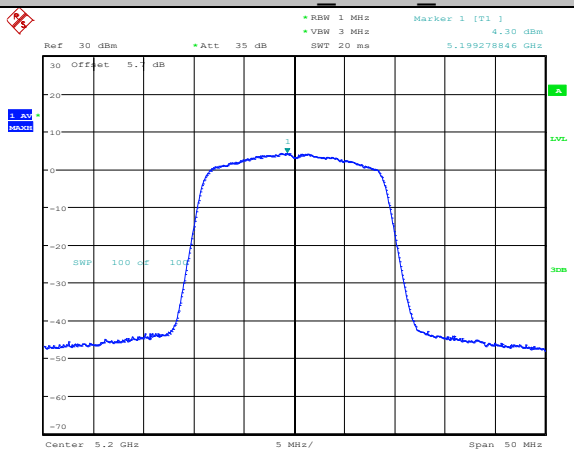

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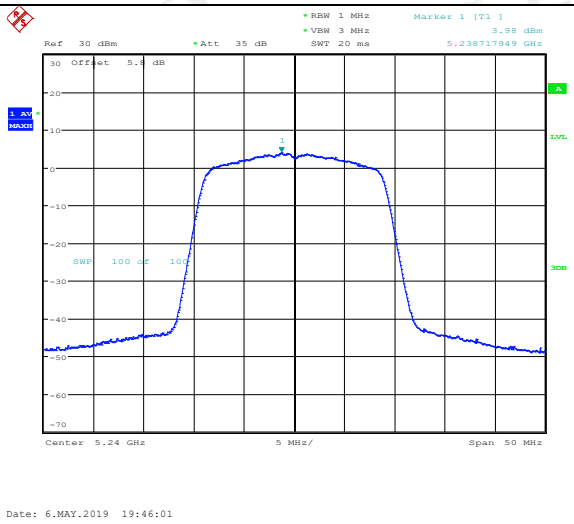

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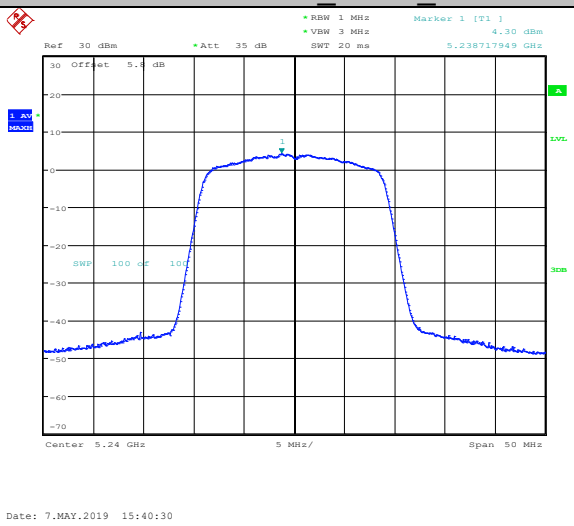

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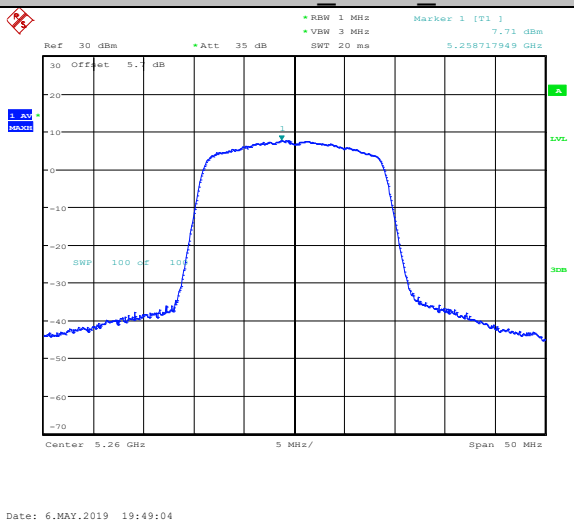

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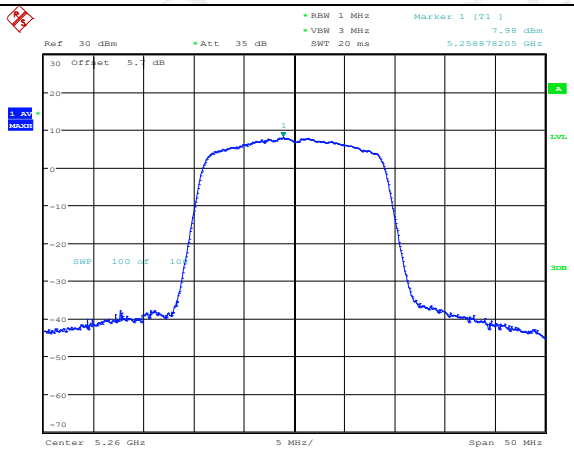

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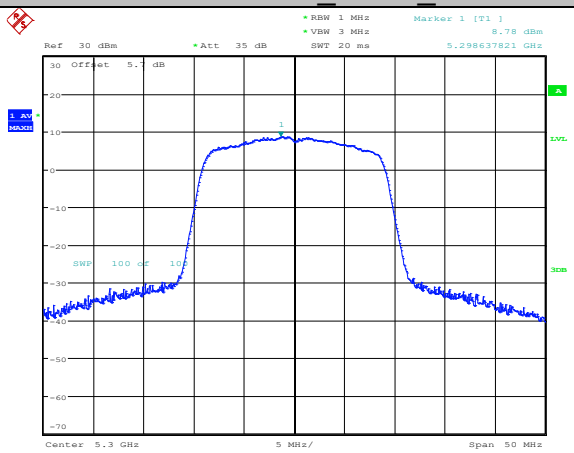

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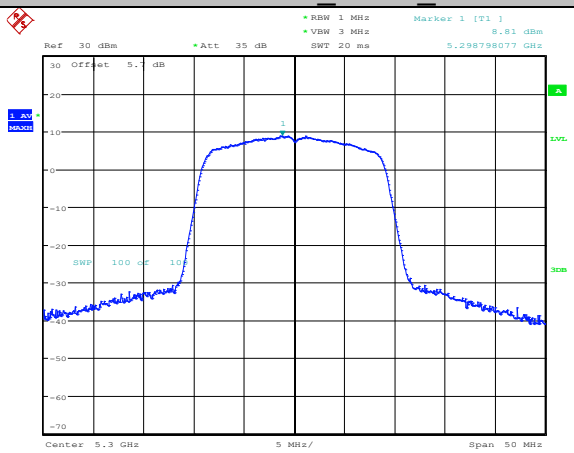

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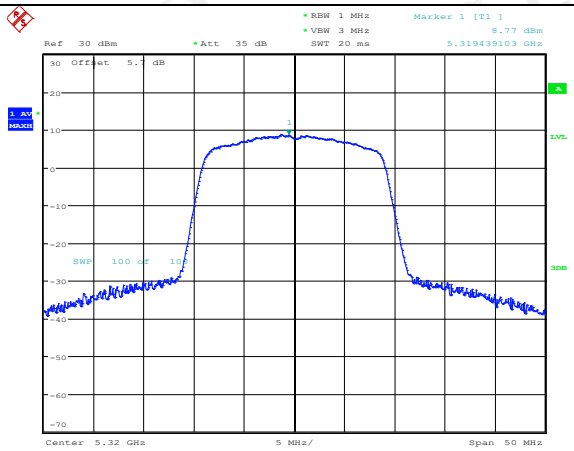

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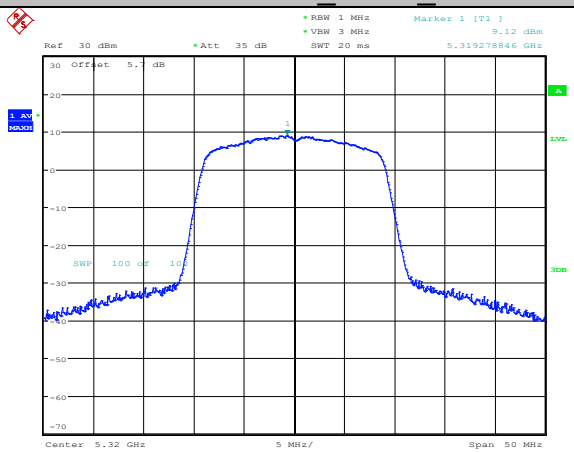

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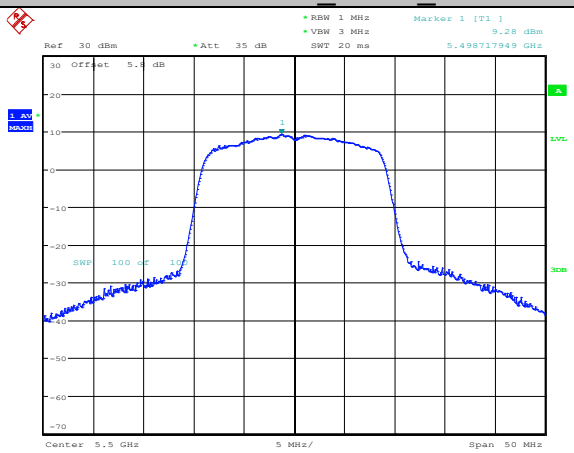

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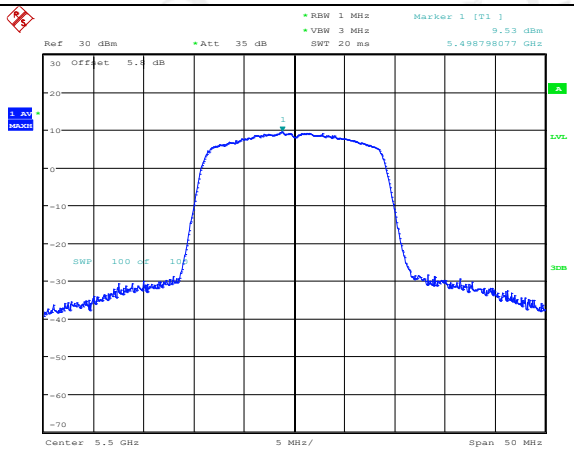

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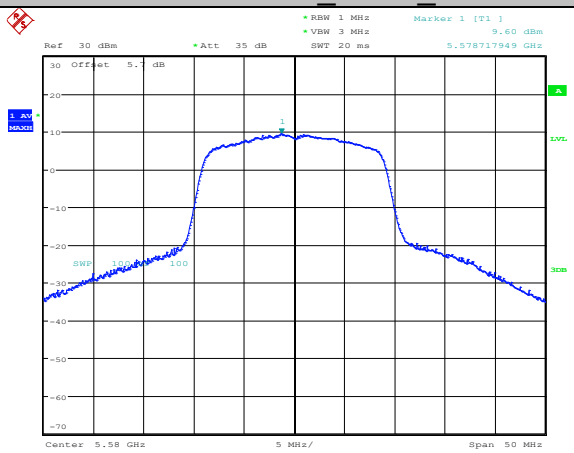

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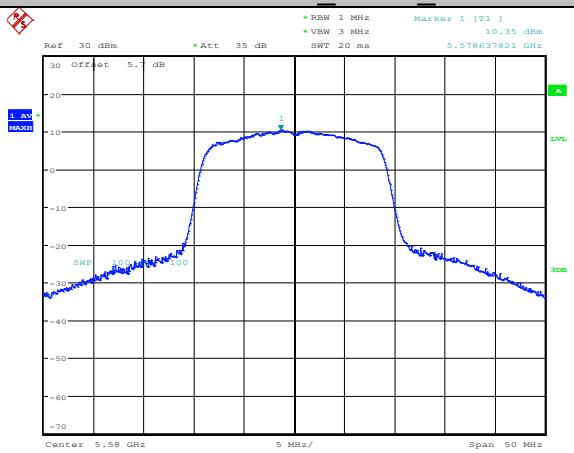

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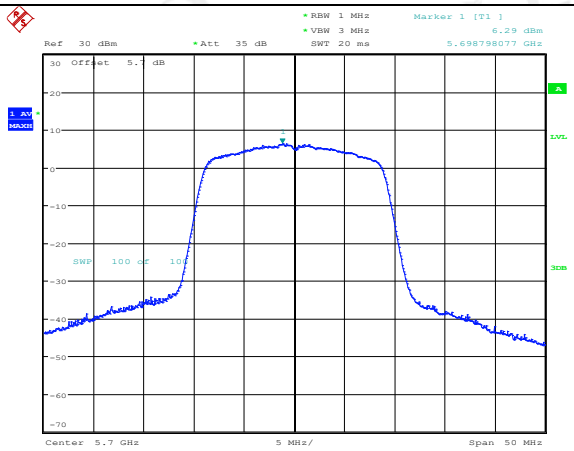

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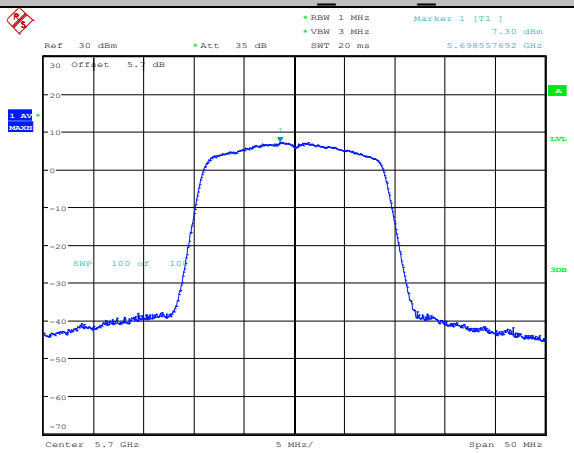

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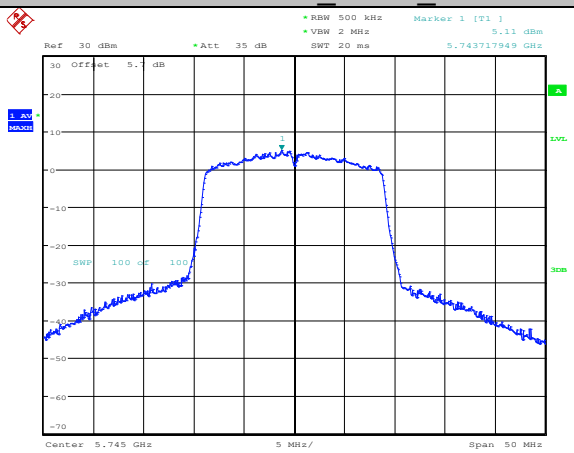

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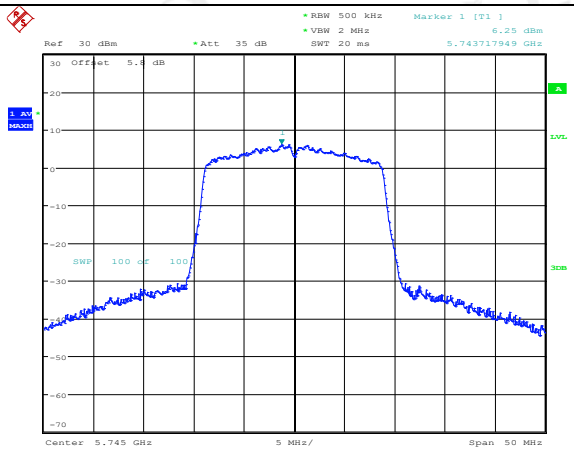

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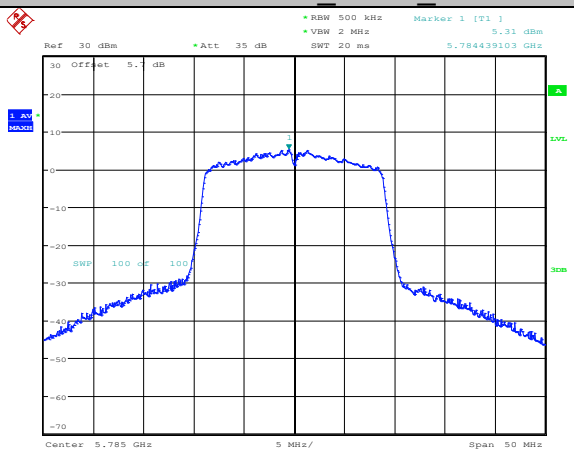

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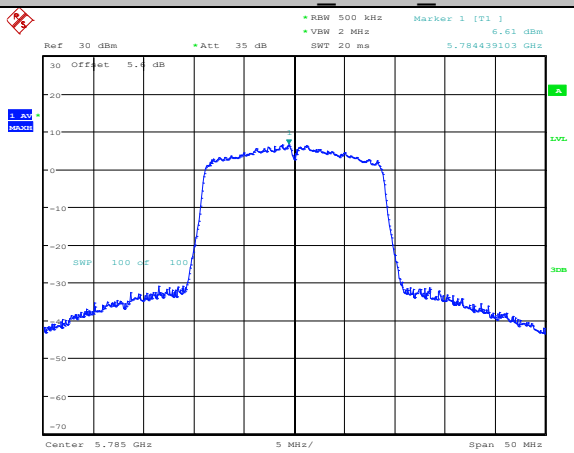

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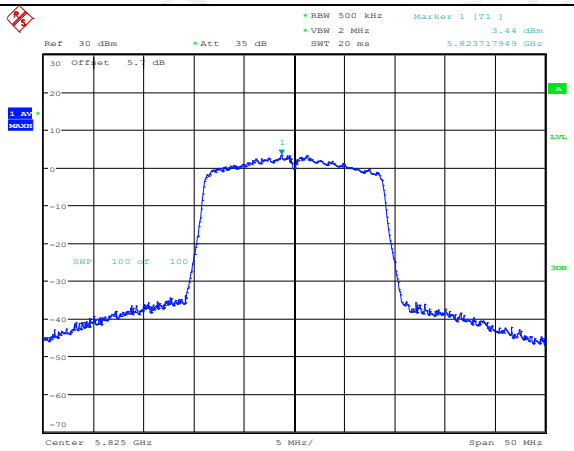

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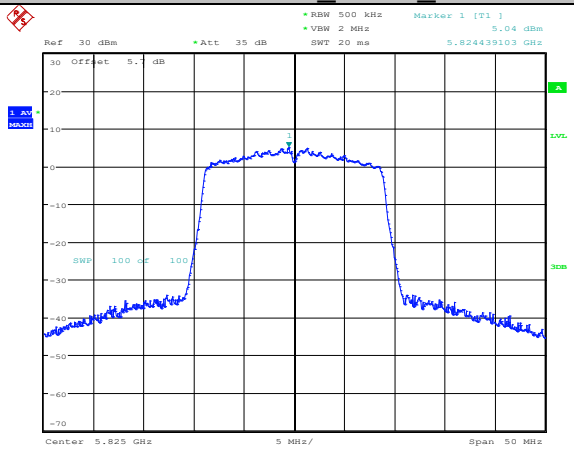

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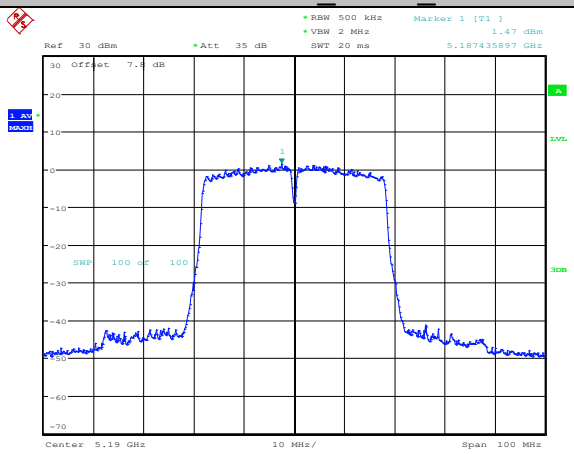

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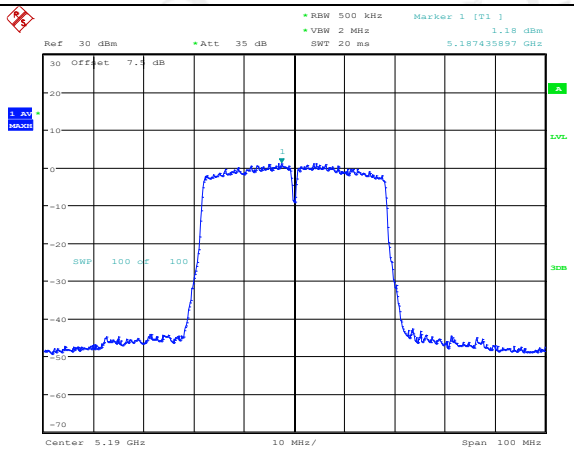

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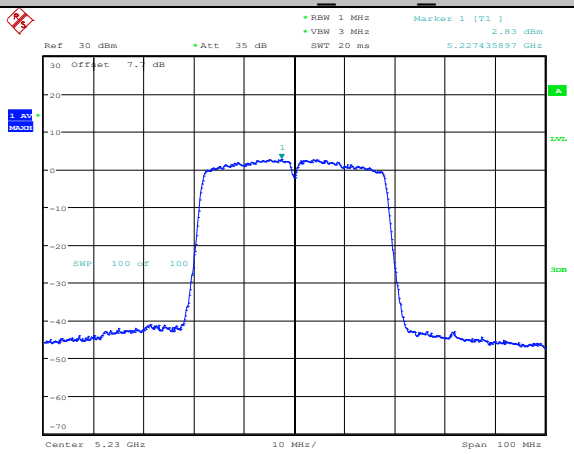

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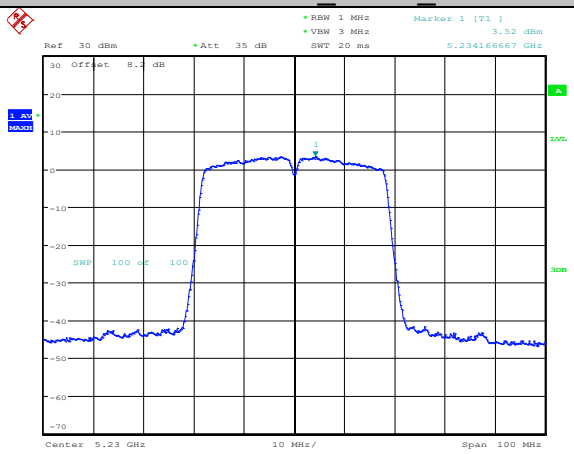

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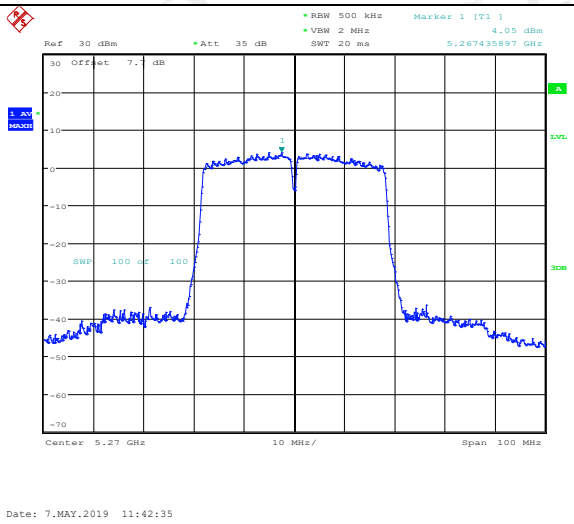

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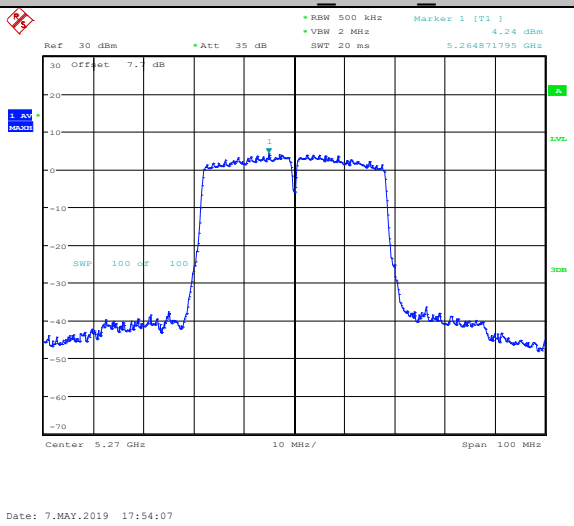

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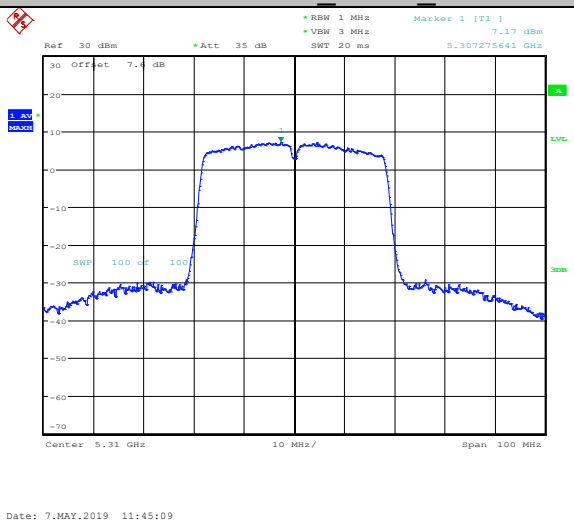

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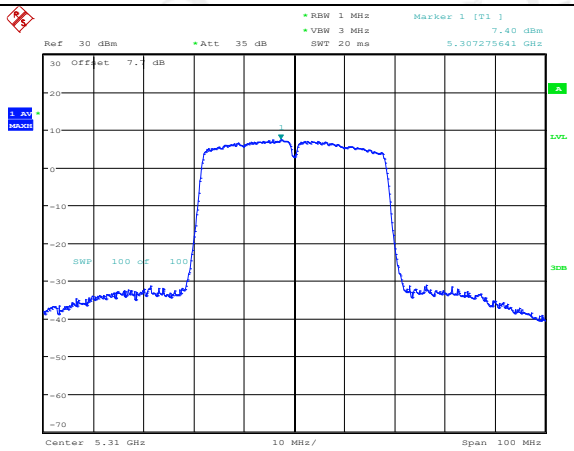

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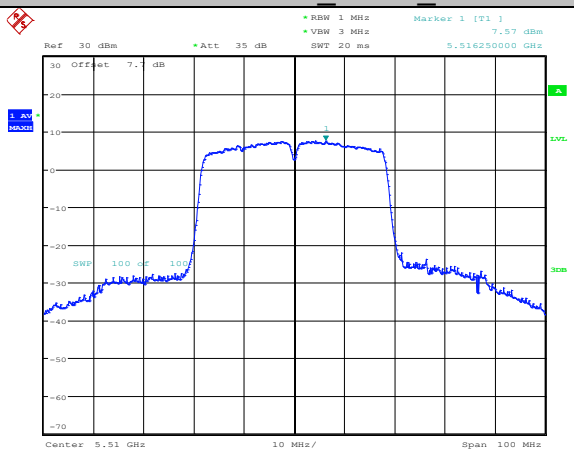

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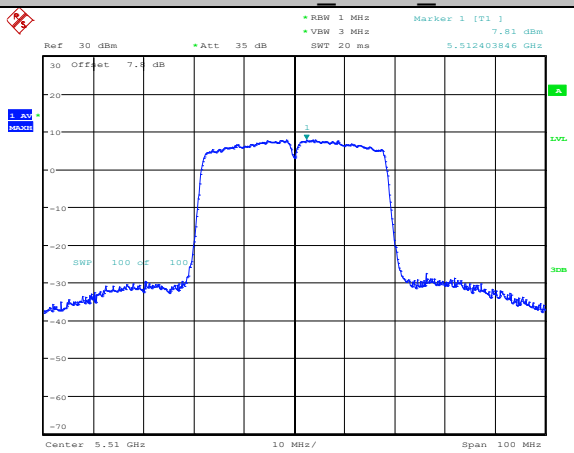

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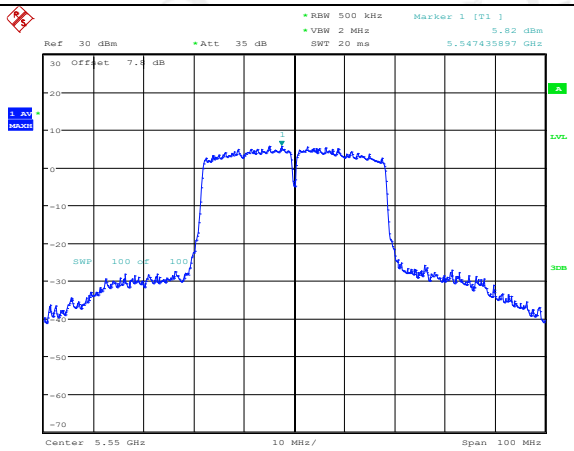

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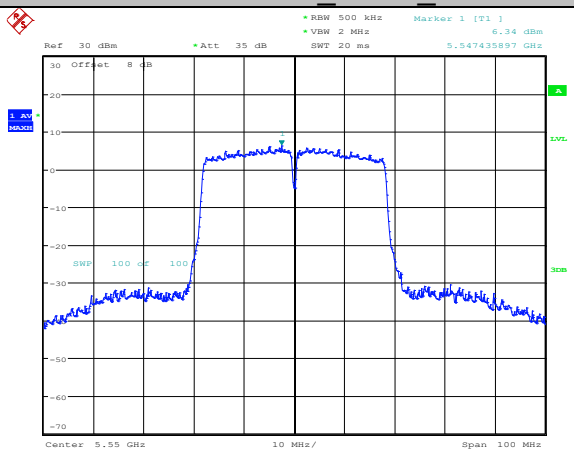

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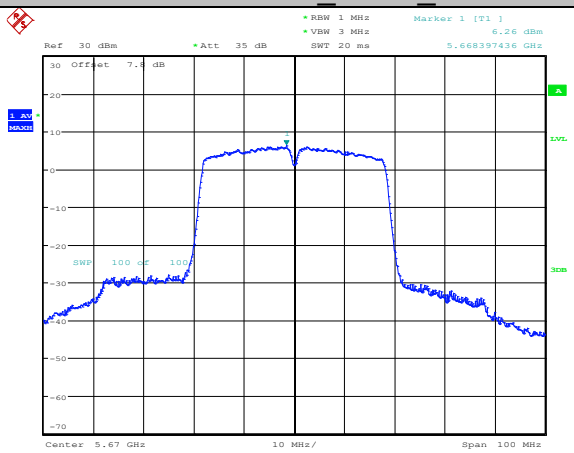

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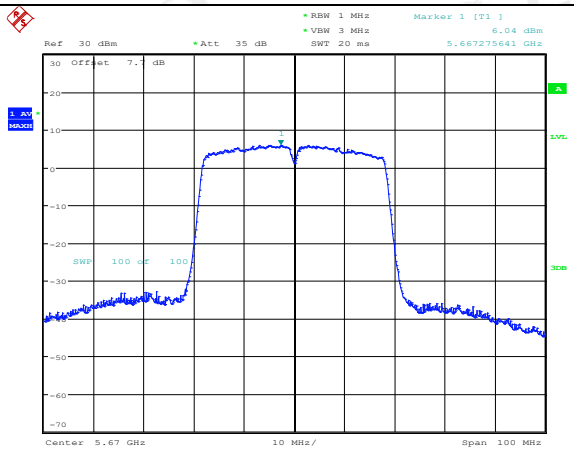

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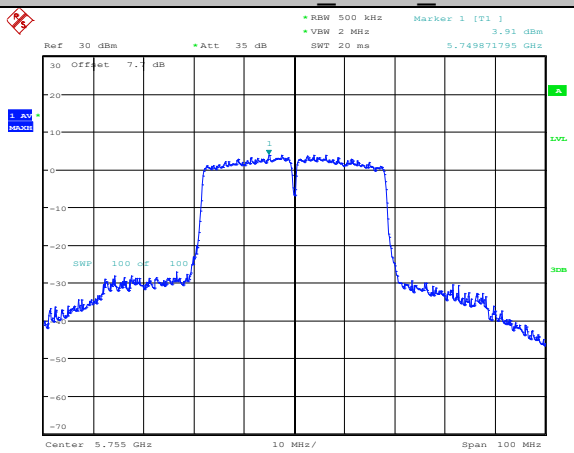

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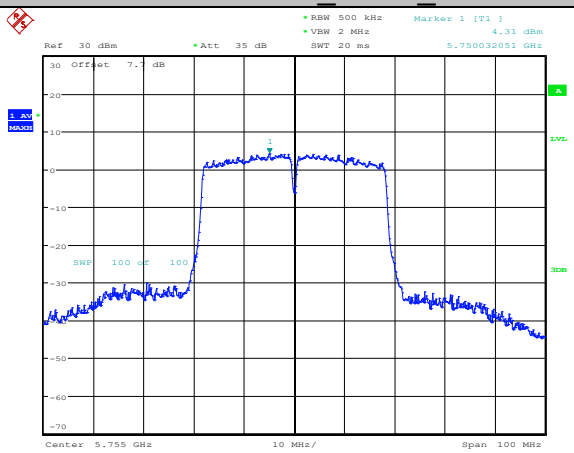

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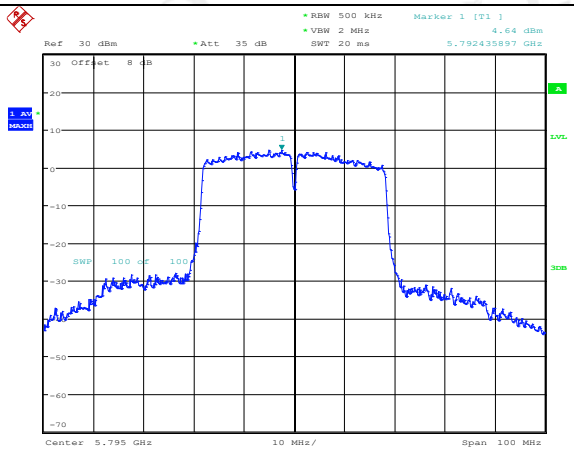

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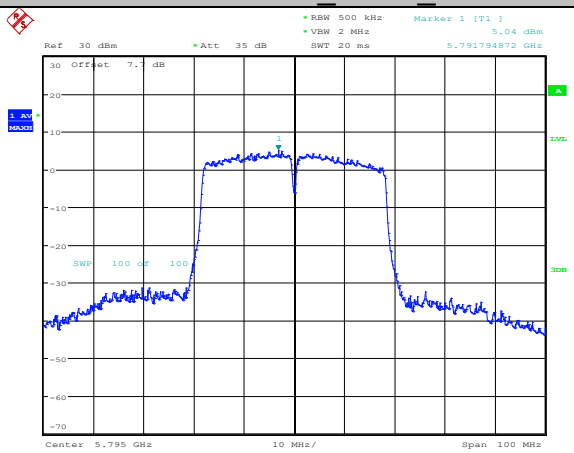

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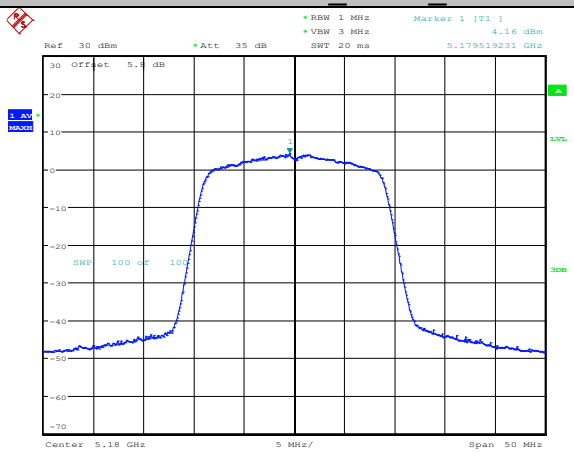

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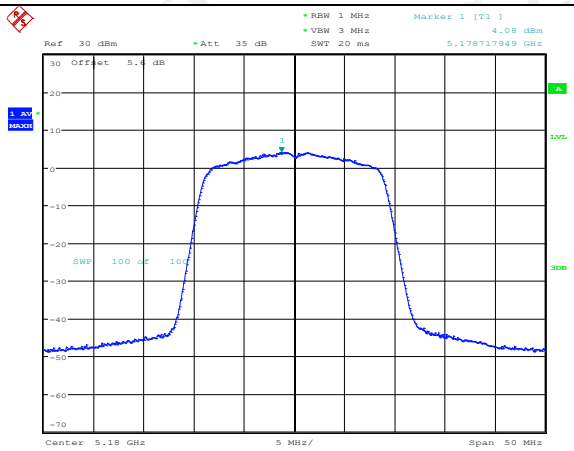

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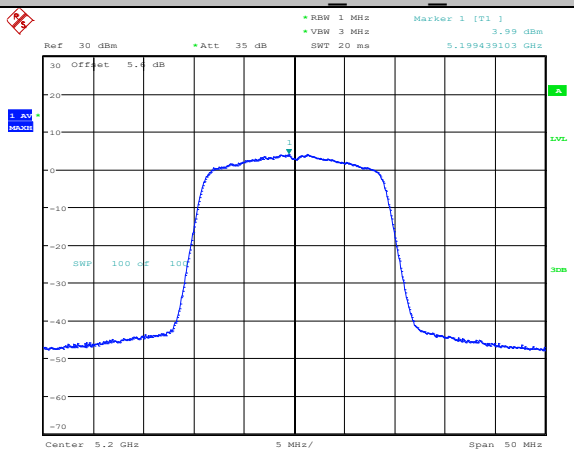

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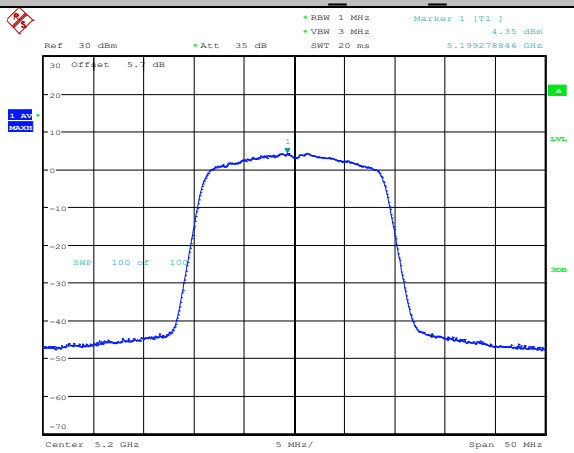

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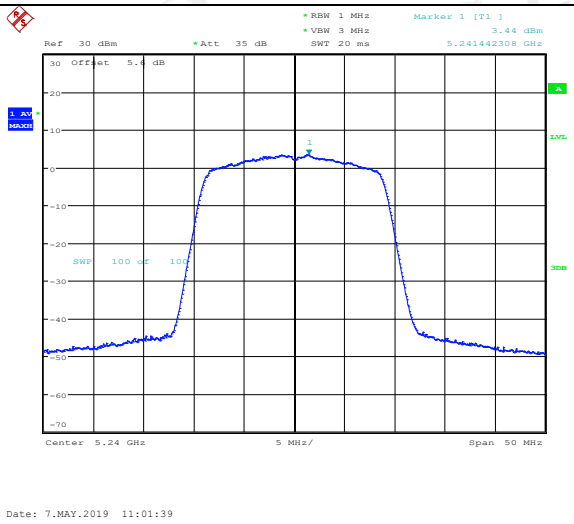

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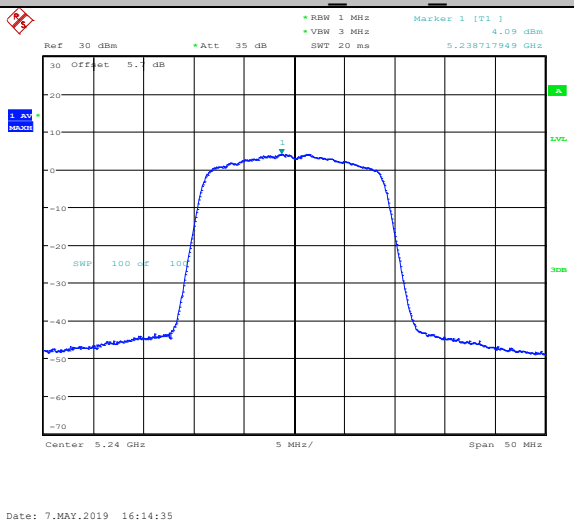

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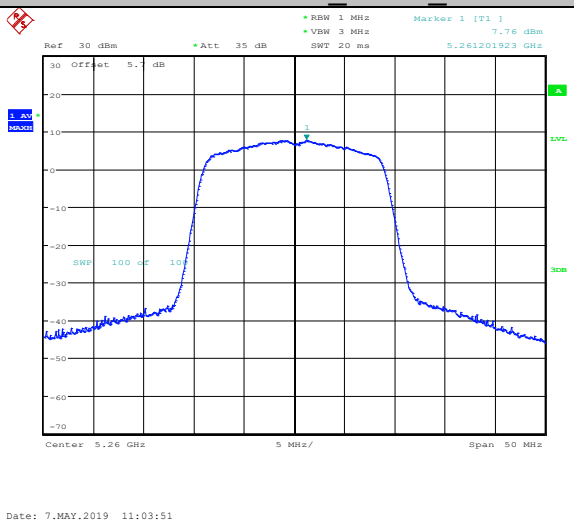

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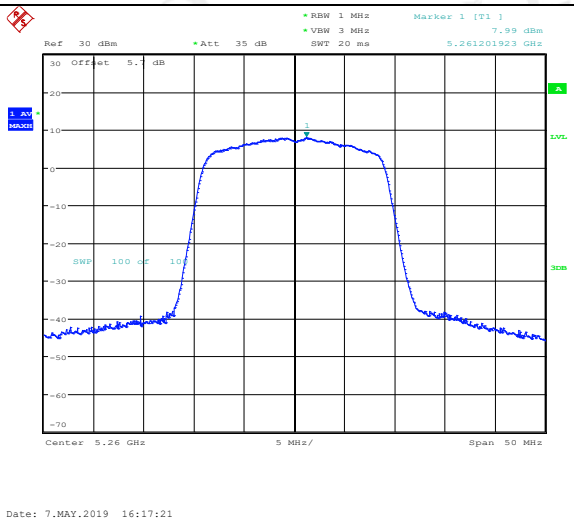

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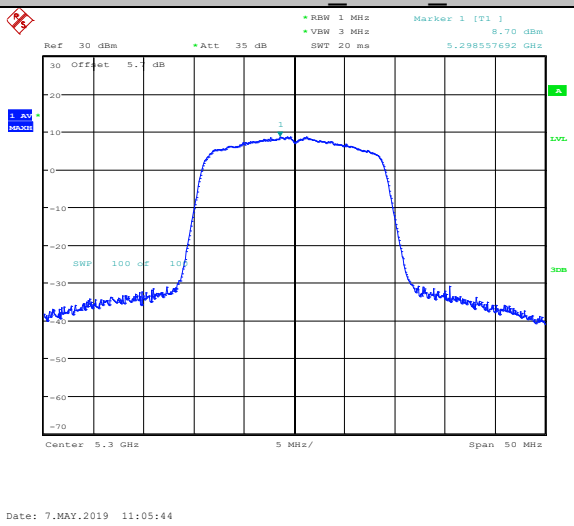

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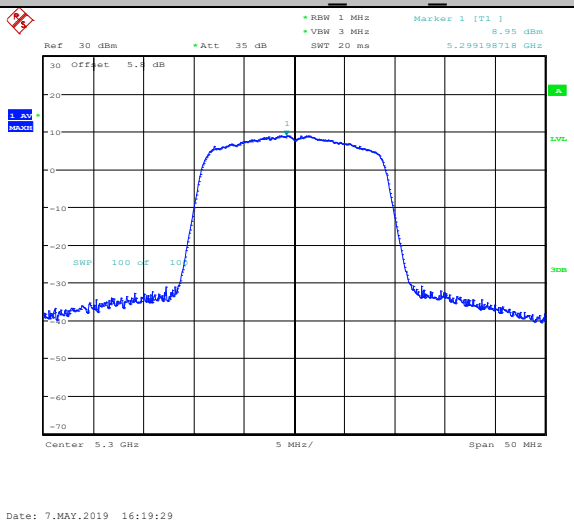

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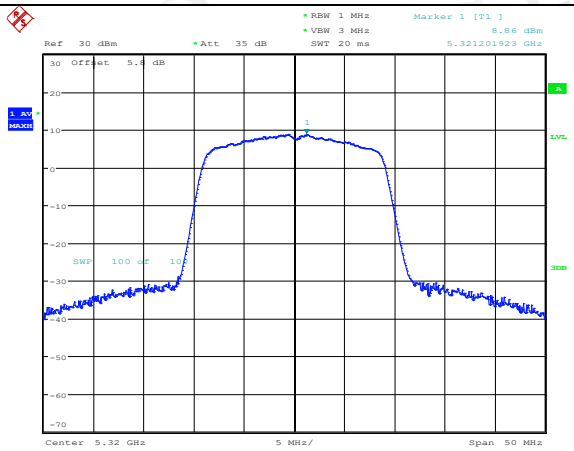

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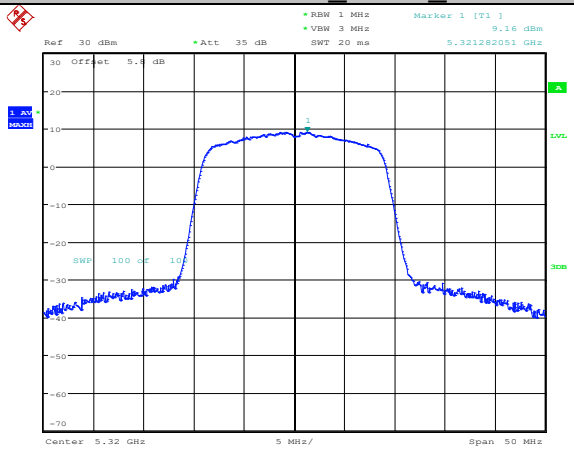

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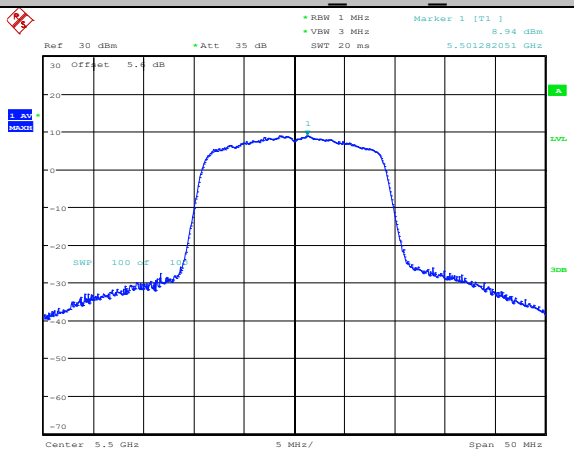

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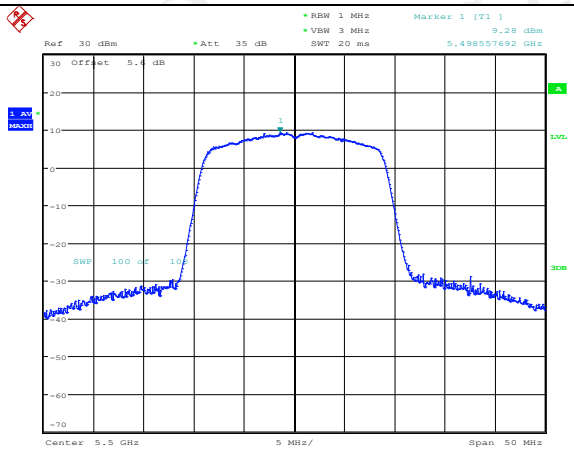

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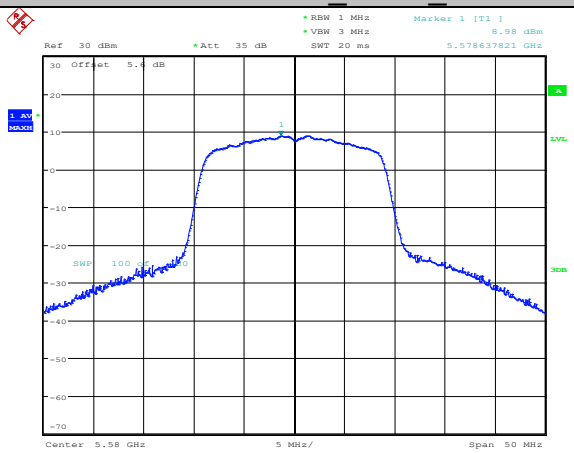

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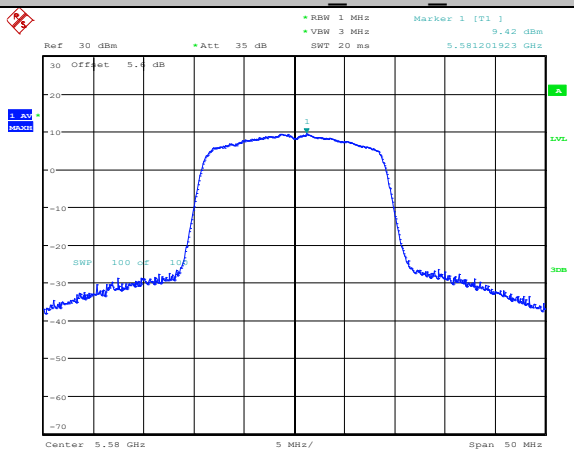

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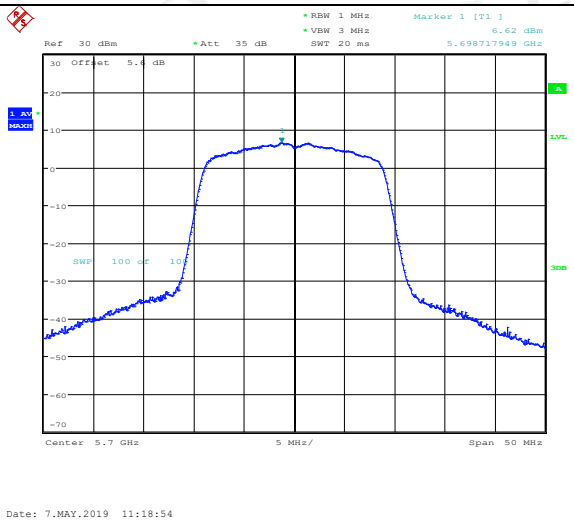

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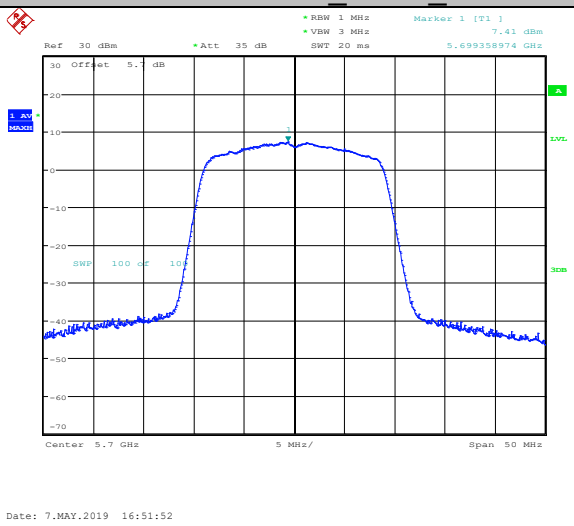

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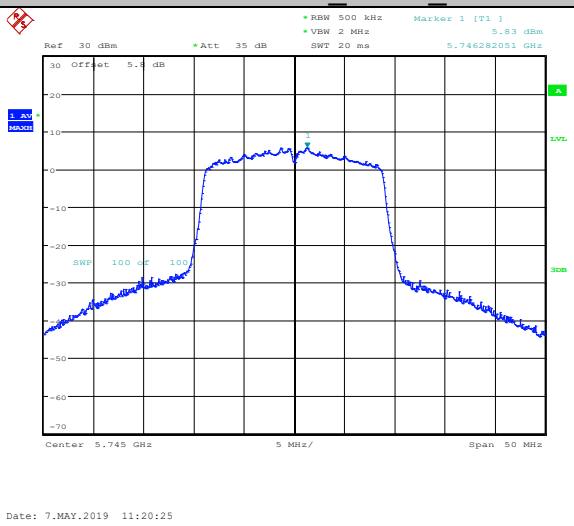

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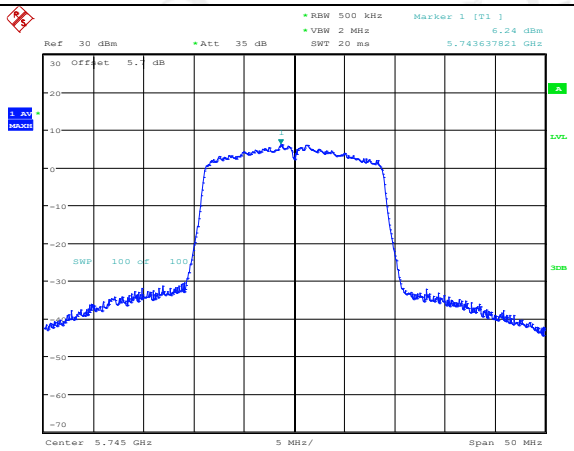

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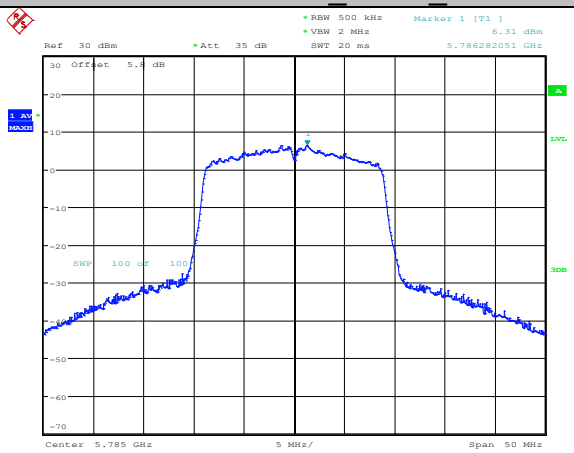

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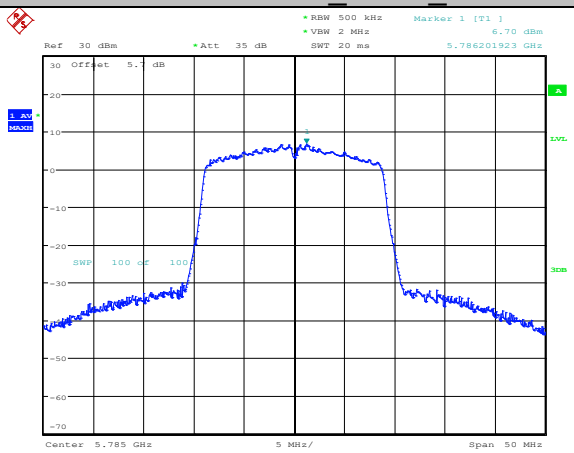

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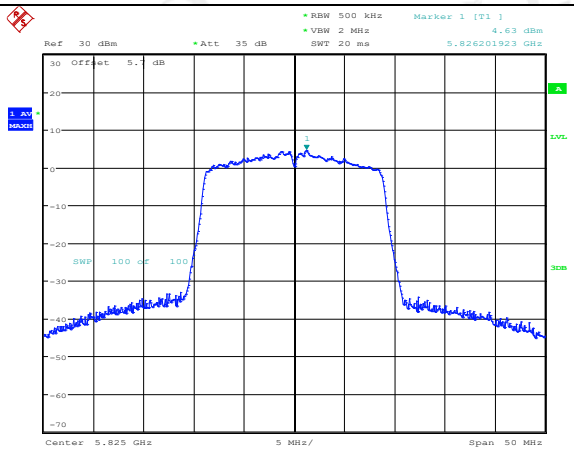

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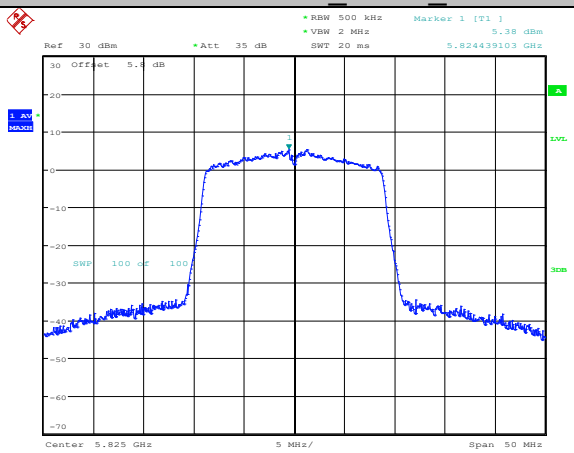

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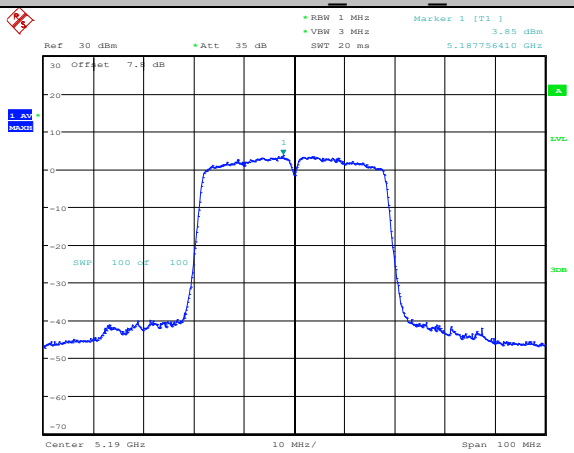

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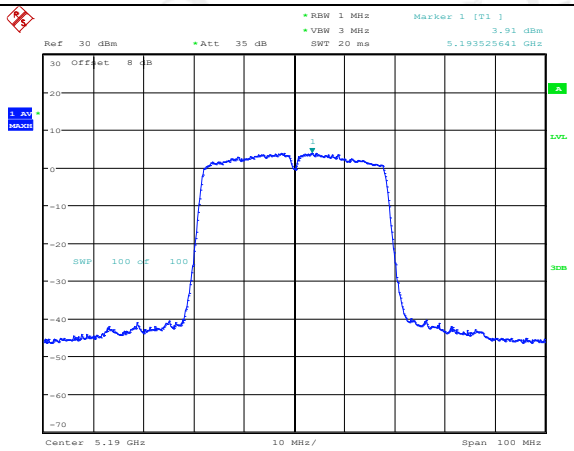

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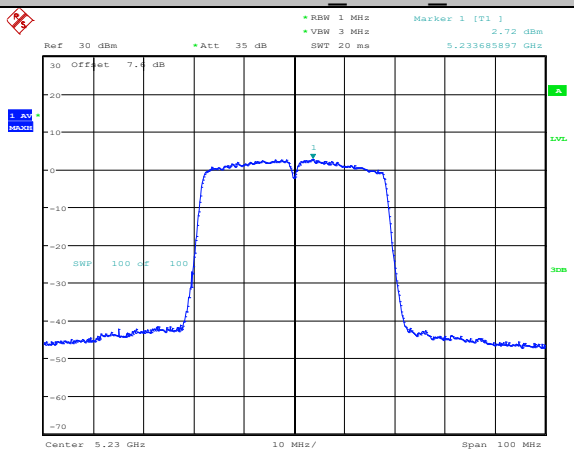

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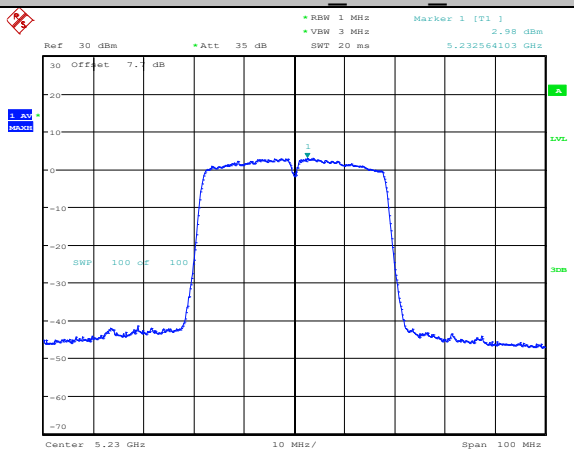

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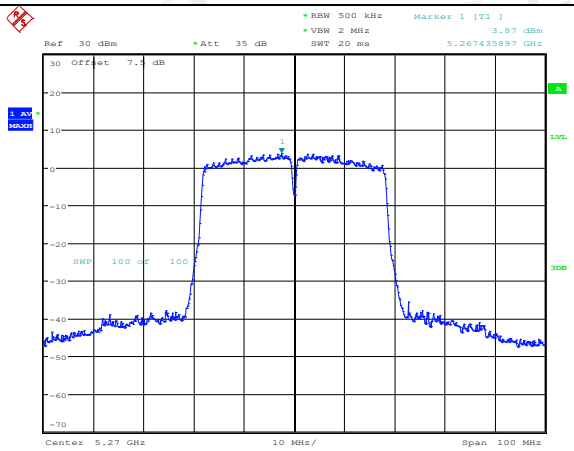

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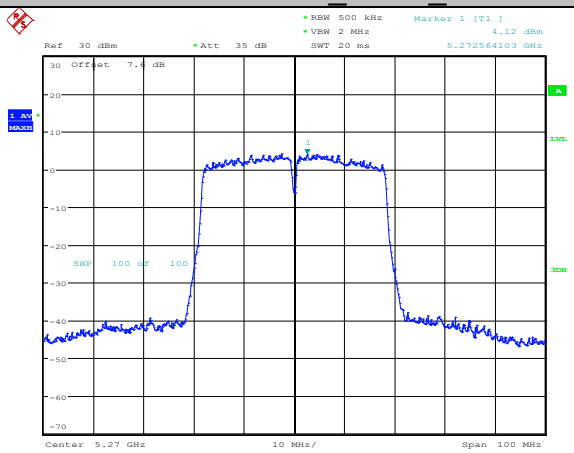

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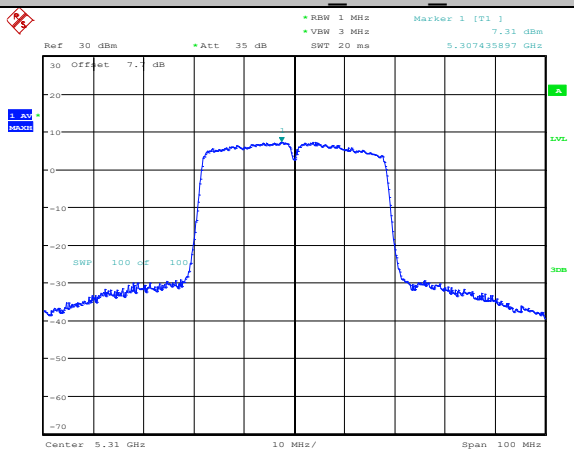

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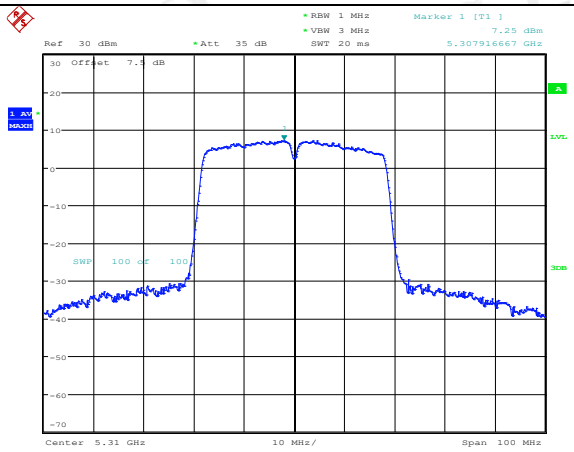

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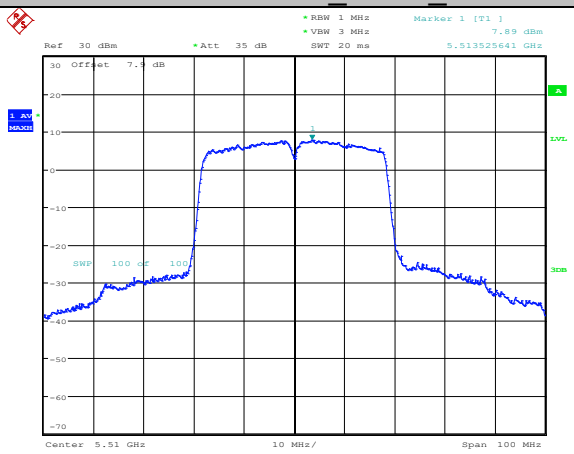

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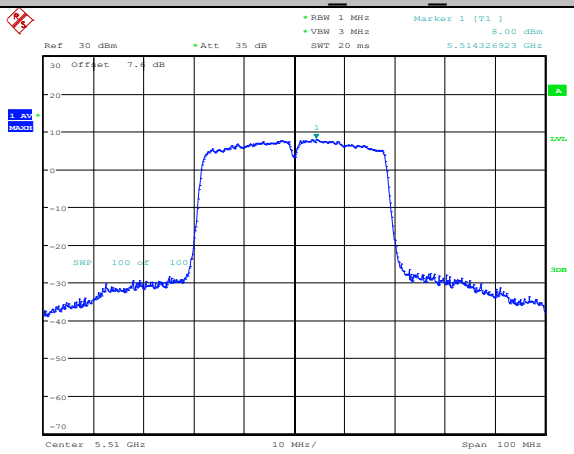

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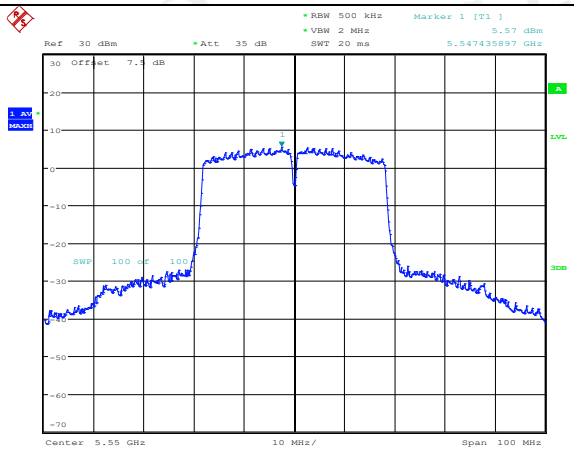

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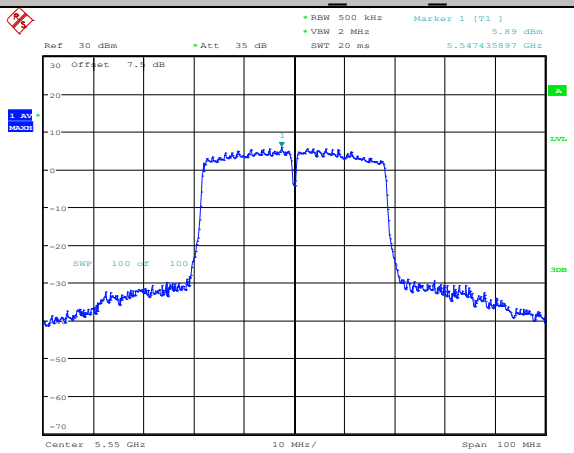

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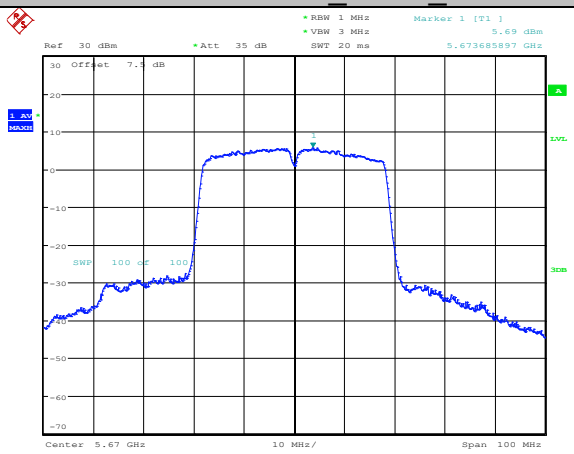

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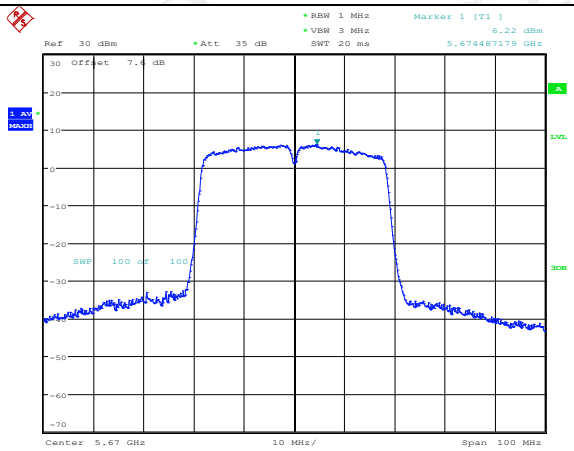

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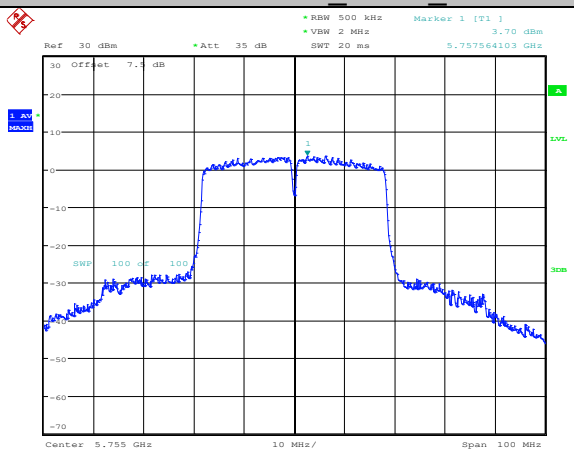

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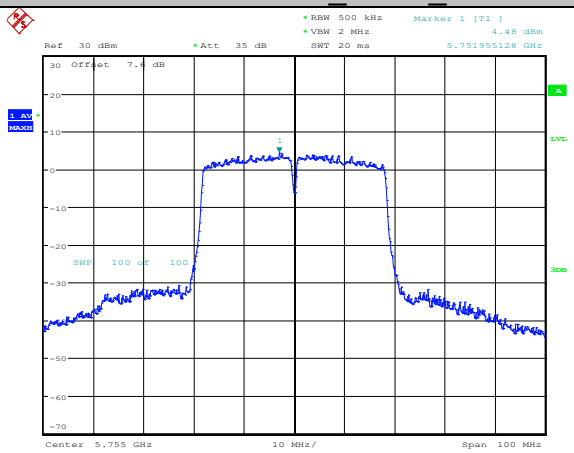

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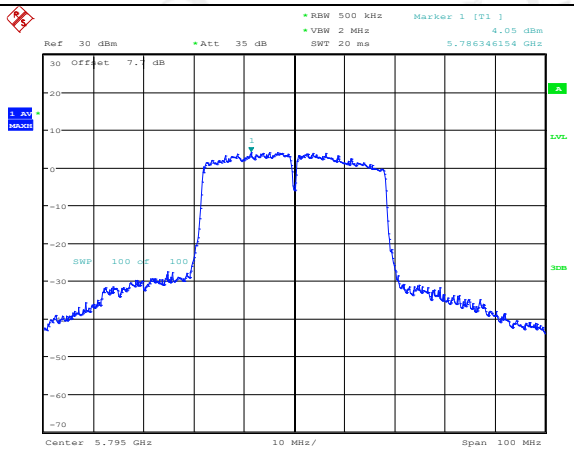

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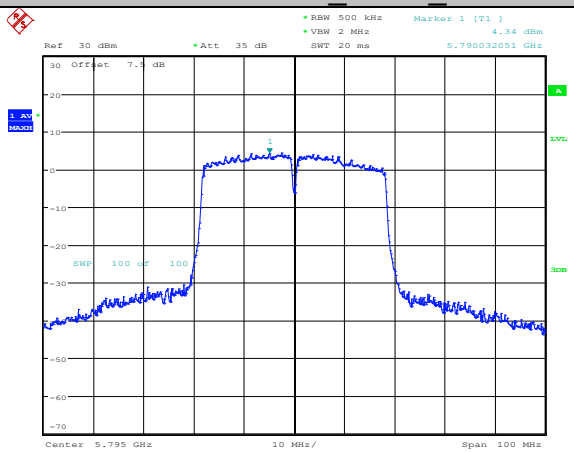

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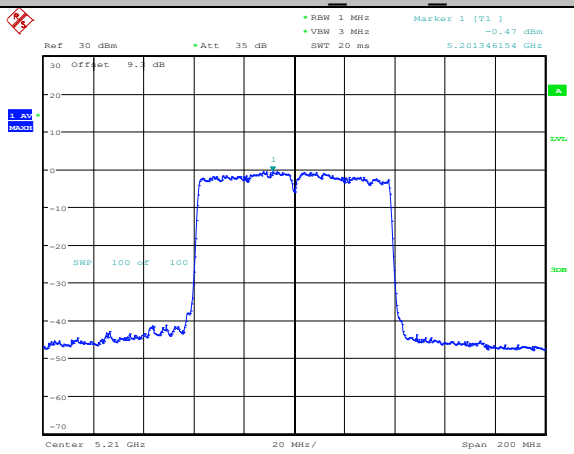

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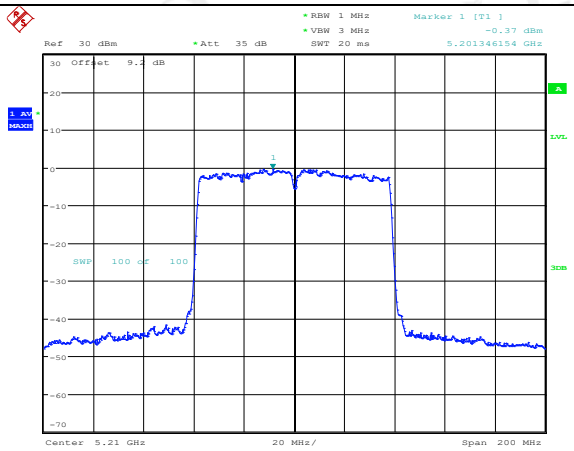

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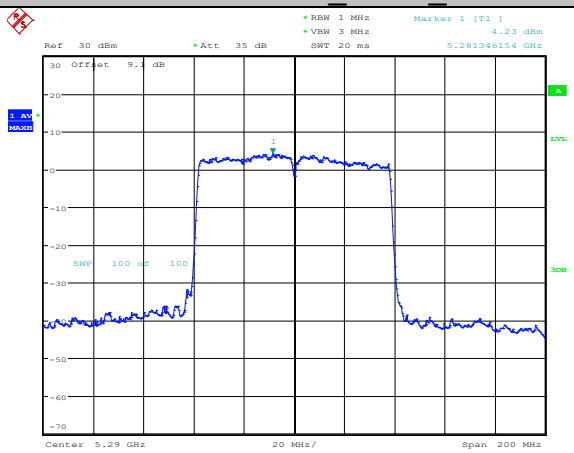

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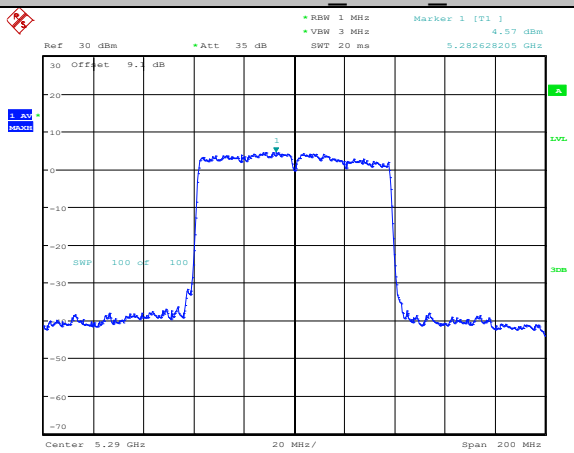

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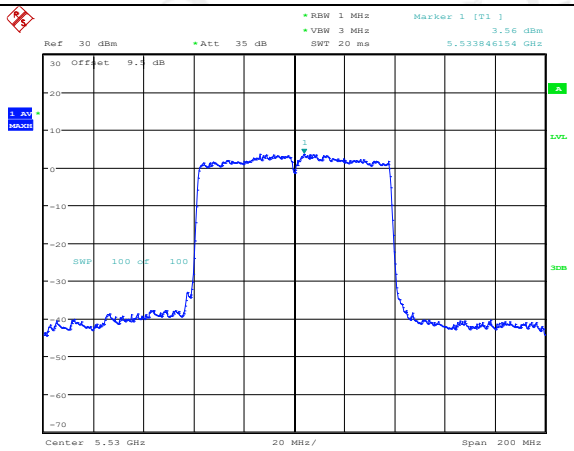

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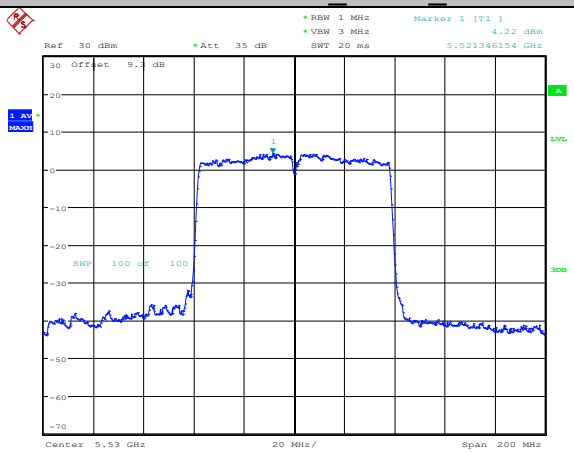

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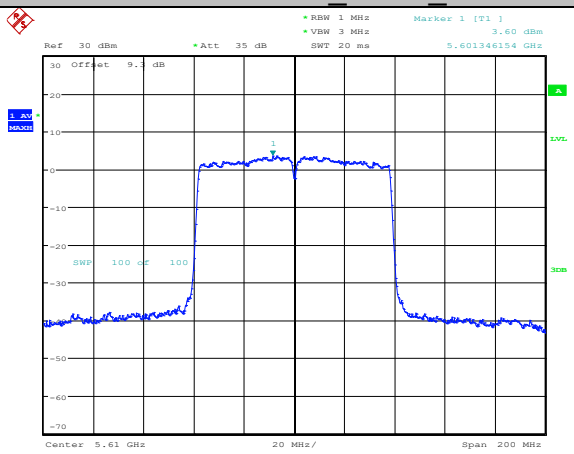

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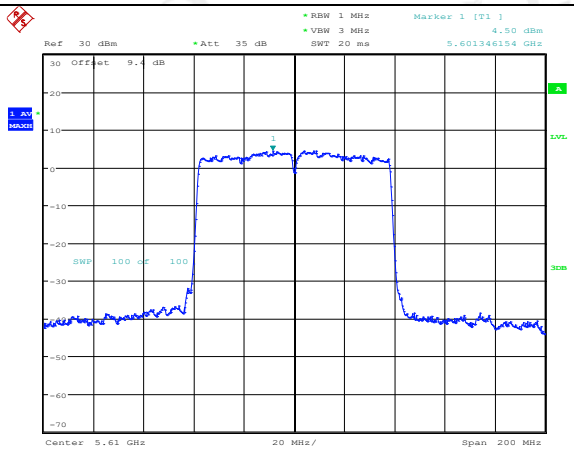

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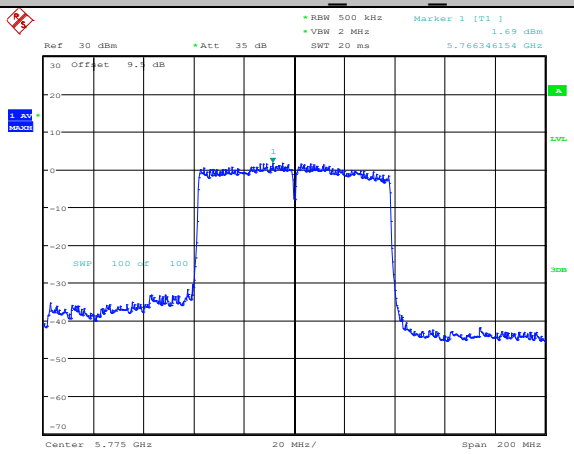

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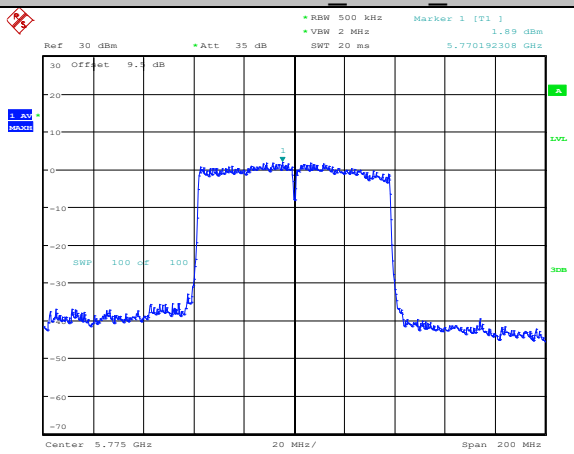


7. Frequency Stability Measurement

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.

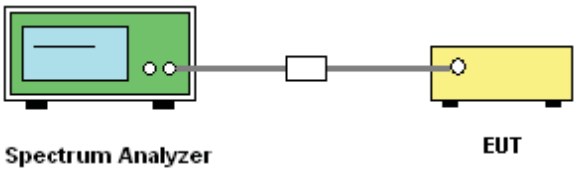
7.2. Measuring Instruments

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

Voltage								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	ANT1	5180	NV	NT	2600	0.501931	20	PASS
11A	ANT1	5180	LV	NT	3000	0.579151	20	PASS
11A	ANT1	5180	HV	NT	3400	0.656371	20	PASS
11A	ANT2	5180	NV	NT	-5600	-1.081081	20	PASS
11A	ANT2	5180	LV	NT	-2600	-0.501931	20	PASS
11A	ANT2	5180	HV	NT	-400	-0.07722	20	PASS
11A	ANT1	5200	NV	NT	-4200	-0.809249	20	PASS
11A	ANT1	5200	LV	NT	-1800	-0.346821	20	PASS
11A	ANT1	5200	HV	NT	0	0	20	PASS
11A	ANT2	5200	NV	NT	-2200	-0.423892	20	PASS
11A	ANT2	5200	LV	NT	0	0	20	PASS

11A	ANT2	5200	HV	NT	1600	0.308285	20	PASS
11A	ANT1	5240	NV	NT	-4800	-0.923077	20	PASS
11A	ANT1	5240	LV	NT	-2600	-0.5	20	PASS
11A	ANT1	5240	HV	NT	-1000	-0.192308	20	PASS
11A	ANT2	5240	NV	NT	-4800	-0.923077	20	PASS
11A	ANT2	5240	LV	NT	-2400	-0.461538	20	PASS
11A	ANT2	5240	HV	NT	-400	-0.076923	20	PASS
11A	ANT1	5260	NV	NT	-6200	-1.190019	20	PASS
11A	ANT1	5260	LV	NT	-5200	-0.998081	20	PASS
11A	ANT1	5260	HV	NT	-3000	-0.575816	20	PASS
11A	ANT2	5260	NV	NT	-26400	-5.067179	20	PASS
11A	ANT2	5260	LV	NT	-24800	-4.760077	20	PASS
11A	ANT2	5260	HV	NT	-23200	-4.452975	20	PASS
11A	ANT1	5280	NV	NT	-4800	-0.917782	20	PASS
11A	ANT1	5280	LV	NT	-2400	-0.458891	20	PASS
11A	ANT1	5280	HV	NT	-800	-0.152964	20	PASS
11A	ANT2	5280	NV	NT	-3600	-0.688337	20	PASS
11A	ANT2	5280	LV	NT	-1400	-0.267686	20	PASS
11A	ANT2	5280	HV	NT	200	0.038241	20	PASS
11A	ANT1	5320	NV	NT	-5600	-1.068702	20	PASS
11A	ANT1	5320	LV	NT	-3200	-0.610687	20	PASS
11A	ANT1	5320	HV	NT	-1800	-0.343511	20	PASS
11A	ANT2	5320	NV	NT	-3800	-0.725191	20	PASS
11A	ANT2	5320	LV	NT	-1800	-0.343511	20	PASS
11A	ANT2	5320	HV	NT	-400	-0.076336	20	PASS
11A	ANT1	5500	NV	NT	4200	0.798479	20	PASS
11A	ANT1	5500	LV	NT	4400	0.836502	20	PASS
11A	ANT1	5500	HV	NT	4400	0.836502	20	PASS
11A	ANT2	5500	NV	NT	-4200	-0.798479	20	PASS
11A	ANT2	5500	LV	NT	-2000	-0.380228	20	PASS
11A	ANT2	5500	HV	NT	-200	-0.038023	20	PASS
11A	ANT1	5580	NV	NT	-3800	-0.721063	20	PASS
11A	ANT1	5580	LV	NT	-1600	-0.303605	20	PASS
11A	ANT1	5580	HV	NT	0	0	20	PASS
11A	ANT2	5580	NV	NT	-5000	-0.948767	20	PASS
11A	ANT2	5580	LV	NT	-2400	-0.455408	20	PASS
11A	ANT2	5580	HV	NT	-400	-0.075901	20	PASS
11A	ANT1	5700	NV	NT	-5000	-0.94518	20	PASS
11A	ANT1	5700	LV	NT	-2600	-0.491493	20	PASS

11A	ANT1	5700	HV	NT	-800	-0.151229	20	PASS
11A	ANT2	5700	NV	NT	-24600	-4.650284	20	PASS
11A	ANT2	5700	LV	NT	-22400	-4.234405	20	PASS
11A	ANT2	5700	HV	NT	-20800	-3.931947	20	PASS
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11A	ANT1	5745	LV	NT	-2600	-0.490566	20	PASS
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11A	ANT1	5785	NV	NT	-6400	-1.205273	20	PASS
11A	ANT1	5785	LV	NT	-3600	-0.677966	20	PASS
11A	ANT1	5785	HV	NT	-1400	-0.263653	20	PASS
11A	ANT2	5785	NV	NT	-4600	-0.86629	20	PASS
11A	ANT2	5785	LV	NT	-4200	-0.79096	20	PASS
11A	ANT2	5785	HV	NT	-2200	-0.414313	20	PASS
11A	ANT1	5825	NV	NT	-3600	-0.676692	20	PASS
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11A	ANT1	5825	HV	NT	200	0.037594	20	PASS
11A	ANT2	5825	NV	NT	-2600	-0.488722	20	PASS
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11A	ANT2	5825	HV	NT	800	0.150376	20	PASS
11N20	ANT1	5180	NV	NT	-3800	-0.690909	20	PASS
11N20	ANT1	5180	LV	NT	-1400	-0.254545	20	PASS
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11N40	ANT2	5190	LV	NT	-31600	-5.452977	20	PASS
11N40	ANT2	5190	HV	NT	-29800	-5.142364	20	PASS
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11N40	ANT2	5230	HV	NT	5000	0.858369	20	PASS
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11N40	ANT1	5310	LV	NT	-1800	-0.346821	20	PASS
11N40	ANT1	5310	HV	NT	0	0	20	PASS
11N40	ANT2	5310	NV	NT	-2200	-0.423892	20	PASS
11N40	ANT2	5310	LV	NT	0	0	20	PASS

11N40	ANT2	5310	HV	NT	1600	0.308285	20	PASS
11N40	ANT1	5510	NV	NT	-4800	-0.923077	20	PASS
11N40	ANT1	5510	LV	NT	-2600	-0.5	20	PASS
11N40	ANT1	5510	HV	NT	-1000	-0.192308	20	PASS
11N40	ANT2	5510	NV	NT	-4800	-0.923077	20	PASS
11N40	ANT2	5510	LV	NT	-2400	-0.461538	20	PASS
11N40	ANT2	5510	HV	NT	-400	-0.076923	20	PASS
11N40	ANT1	5550	NV	NT	-6200	-1.190019	20	PASS
11N40	ANT1	5550	LV	NT	-5200	-0.998081	20	PASS
11N40	ANT1	5550	HV	NT	-3000	-0.575816	20	PASS
11N40	ANT2	5550	NV	NT	-26400	-5.067179	20	PASS
11N40	ANT2	5550	LV	NT	-24800	-4.760077	20	PASS
11N40	ANT2	5550	HV	NT	-23200	-4.452975	20	PASS
11N40	ANT1	5670	NV	NT	-4800	-0.917782	20	PASS
11N40	ANT1	5670	LV	NT	-2400	-0.458891	20	PASS
11N40	ANT1	5670	HV	NT	-800	-0.152964	20	PASS
11N40	ANT2	5670	NV	NT	-3600	-0.688337	20	PASS
11N40	ANT2	5670	LV	NT	-1400	-0.267686	20	PASS
11N40	ANT2	5670	HV	NT	200	0.038241	20	PASS
11N40	ANT1	5755	NV	NT	-5600	-1.068702	20	PASS
11N40	ANT1	5755	LV	NT	-3200	-0.610687	20	PASS
11N40	ANT1	5755	HV	NT	-1800	-0.343511	20	PASS
11N40	ANT2	5755	NV	NT	-3800	-0.725191	20	PASS
11N40	ANT2	5755	LV	NT	-1800	-0.343511	20	PASS
11N40	ANT2	5755	HV	NT	-400	-0.076336	20	PASS
11N40	ANT1	5795	NV	NT	4200	0.798479	20	PASS
11N40	ANT1	5795	LV	NT	4400	0.836502	20	PASS
11N40	ANT1	5795	HV	NT	4400	0.836502	20	PASS
11N40	ANT2	5795	NV	NT	-4200	-0.798479	20	PASS
11N40	ANT2	5795	LV	NT	-2000	-0.380228	20	PASS
11N40	ANT2	5795	HV	NT	-200	-0.038023	20	PASS
11AC20	ANT1	5180	NV	NT	-3800	-0.721063	20	PASS
11AC20	ANT1	5180	LV	NT	-1600	-0.303605	20	PASS
11AC20	ANT1	5180	HV	NT	0	0	20	PASS
11AC20	ANT2	5180	NV	NT	-5000	-0.948767	20	PASS
11AC20	ANT2	5180	LV	NT	-2400	-0.455408	20	PASS
11AC20	ANT2	5180	HV	NT	-400	-0.075901	20	PASS
11AC20	ANT1	5200	NV	NT	-5000	-0.94518	20	PASS
11AC20	ANT1	5200	LV	NT	-2600	-0.491493	20	PASS

11AC20	ANT1	5200	HV	NT	-800	-0.151229	20	PASS
11AC20	ANT2	5200	NV	NT	-24600	-4.650284	20	PASS
11AC20	ANT2	5200	LV	NT	-22400	-4.234405	20	PASS
11AC20	ANT2	5200	HV	NT	-20800	-3.931947	20	PASS
11AC20	ANT1	5240	NV	NT	-5000	-0.943396	20	PASS
11AC20	ANT1	5240	LV	NT	-2600	-0.490566	20	PASS
11AC20	ANT1	5240	HV	NT	-800	-0.150943	20	PASS
11AC20	ANT2	5240	NV	NT	-4600	-0.867925	20	PASS
11AC20	ANT2	5240	LV	NT	-2000	-0.377358	20	PASS
11AC20	ANT2	5240	HV	NT	-200	-0.037736	20	PASS
11AC20	ANT1	5260	NV	NT	-6400	-1.205273	20	PASS
11AC20	ANT1	5260	LV	NT	-3600	-0.677966	20	PASS
11AC20	ANT1	5260	HV	NT	-1400	-0.263653	20	PASS
11AC20	ANT2	5260	NV	NT	-4600	-0.86629	20	PASS
11AC20	ANT2	5260	LV	NT	-4200	-0.79096	20	PASS
11AC20	ANT2	5260	HV	NT	-2200	-0.414313	20	PASS
11AC20	ANT1	5280	NV	NT	-3600	-0.676692	20	PASS
11AC20	ANT1	5280	LV	NT	-1600	-0.300752	20	PASS
11AC20	ANT1	5280	HV	NT	200	0.037594	20	PASS
11AC20	ANT2	5280	NV	NT	-2600	-0.488722	20	PASS
11AC20	ANT2	5280	LV	NT	-600	-0.112782	20	PASS
11AC20	ANT2	5280	HV	NT	800	0.150376	20	PASS
11AC20	ANT1	5320	NV	NT	-3800	-0.690909	20	PASS
11AC20	ANT1	5320	LV	NT	-1400	-0.254545	20	PASS
11AC20	ANT1	5320	HV	NT	400	0.072727	20	PASS
11AC20	ANT2	5320	NV	NT	-3600	-0.654545	20	PASS
11AC20	ANT2	5320	LV	NT	-1000	-0.181818	20	PASS
11AC20	ANT2	5320	HV	NT	1000	0.181818	20	PASS
11AC20	ANT1	5500	NV	NT	-6000	-1.088929	20	PASS
11AC20	ANT1	5500	LV	NT	-2600	-0.471869	20	PASS
11AC20	ANT1	5500	HV	NT	-800	-0.145191	20	PASS
11AC20	ANT2	5500	NV	NT	-6200	-1.125227	20	PASS
11AC20	ANT2	5500	LV	NT	-3400	-0.61706	20	PASS
11AC20	ANT2	5500	HV	NT	-1200	-0.217786	20	PASS
11AC20	ANT1	5580	NV	NT	-6200	-1.121157	20	PASS
11AC20	ANT1	5580	LV	NT	-3200	-0.578662	20	PASS
11AC20	ANT1	5580	HV	NT	-1000	-0.180832	20	PASS
11AC20	ANT2	5580	NV	NT	-24200	-4.37613	20	PASS
11AC20	ANT2	5580	LV	NT	-21600	-3.905967	20	PASS

11AC20	ANT2	5580	HV	NT	-19200	-3.471971	20	PASS
11AC20	ANT1	5700	NV	NT	-4200	-0.756757	20	PASS
11AC20	ANT1	5700	LV	NT	-1400	-0.252252	20	PASS
11AC20	ANT1	5700	HV	NT	800	0.144144	20	PASS
11AC20	ANT2	5700	NV	NT	-6000	-1.081081	20	PASS
11AC20	ANT2	5700	LV	NT	-3000	-0.540541	20	PASS
11AC20	ANT2	5700	HV	NT	-800	-0.144144	20	PASS
11AC20	ANT1	5745	NV	NT	-2400	-0.430108	20	PASS
11AC20	ANT1	5745	LV	NT	-200	-0.035842	20	PASS
11AC20	ANT1	5745	HV	NT	1400	0.250896	20	PASS
11AC20	ANT2	5745	NV	NT	-600	-0.107527	20	PASS
11AC20	ANT2	5745	LV	NT	1200	0.215054	20	PASS
11AC20	ANT2	5745	HV	NT	2800	0.501792	20	PASS
11AC20	ANT1	5785	NV	NT	-2000	-0.356506	20	PASS
11AC20	ANT1	5785	LV	NT	0	0	20	PASS
11AC20	ANT1	5785	HV	NT	1600	0.285205	20	PASS
11AC20	ANT2	5785	NV	NT	-21600	-3.850267	20	PASS
11AC20	ANT2	5785	LV	NT	-19000	-3.386809	20	PASS
11AC20	ANT2	5785	HV	NT	-17000	-3.030303	20	PASS
11AC20	ANT1	5825	NV	NT	-3600	-0.634921	20	PASS
11AC20	ANT1	5825	LV	NT	-800	-0.141093	20	PASS
11AC20	ANT1	5825	HV	NT	1200	0.21164	20	PASS
11AC20	ANT2	5825	NV	NT	-40000	-7.054674	20	PASS
11AC20	ANT2	5825	LV	NT	-38000	-6.70194	20	PASS
11AC20	ANT2	5825	HV	NT	-35800	-6.313933	20	PASS
11AC40	ANT1	5190	NV	NT	-3000	-0.526316	20	PASS
11AC40	ANT1	5190	LV	NT	-600	-0.105263	20	PASS
11AC40	ANT1	5190	HV	NT	1600	0.280702	20	PASS
11AC40	ANT2	5190	NV	NT	-3000	-0.526316	20	PASS
11AC40	ANT2	5190	LV	NT	-400	-0.070175	20	PASS
11AC40	ANT2	5190	HV	NT	1800	0.315789	20	PASS
11AC40	ANT1	5230	NV	NT	-400	-0.069626	20	PASS
11AC40	ANT1	5230	LV	NT	1600	0.278503	20	PASS
11AC40	ANT1	5230	HV	NT	3200	0.557006	20	PASS
11AC40	ANT2	5230	NV	NT	-800	-0.139252	20	PASS
11AC40	ANT2	5230	LV	NT	1400	0.24369	20	PASS
11AC40	ANT2	5230	HV	NT	3200	0.557006	20	PASS
11AC40	ANT1	5270	NV	NT	-1800	-0.312772	20	PASS
11AC40	ANT1	5270	LV	NT	1000	0.173762	20	PASS

11AC40	ANT1	5270	HV	NT	3000	0.521286	20	PASS
11AC40	ANT2	5270	NV	NT	-42800	-7.437011	20	PASS
11AC40	ANT2	5270	LV	NT	-40800	-7.089487	20	PASS
11AC40	ANT2	5270	HV	NT	-39200	-6.811468	20	PASS
11AC40	ANT1	5310	NV	NT	-5600	-0.969697	20	PASS
11AC40	ANT1	5310	LV	NT	-2400	-0.415584	20	PASS
11AC40	ANT1	5310	HV	NT	200	0.034632	20	PASS
11AC40	ANT2	5310	NV	NT	-20600	-3.5671	20	PASS
11AC40	ANT2	5310	LV	NT	-17400	-3.012987	20	PASS
11AC40	ANT2	5310	HV	NT	-15200	-2.632035	20	PASS
11AC40	ANT1	5510	NV	NT	-1800	-0.31115	20	PASS
11AC40	ANT1	5510	LV	NT	800	0.138289	20	PASS
11AC40	ANT1	5510	HV	NT	2600	0.449438	20	PASS
11AC40	ANT2	5510	NV	NT	-1400	-0.242005	20	PASS
11AC40	ANT2	5510	LV	NT	1200	0.207433	20	PASS
11AC40	ANT2	5510	HV	NT	3200	0.553155	20	PASS
11AC40	ANT1	5550	NV	NT	-2400	-0.41415	20	PASS
11AC40	ANT1	5550	LV	NT	400	0.069025	20	PASS
11AC40	ANT1	5550	HV	NT	2600	0.448663	20	PASS
11AC40	ANT2	5550	NV	NT	-33400	-5.763589	20	PASS
11AC40	ANT2	5550	LV	NT	-31600	-5.452977	20	PASS
11AC40	ANT2	5550	HV	NT	-29800	-5.142364	20	PASS
11AC40	ANT1	5670	NV	NT	-1800	-0.309013	20	PASS
11AC40	ANT1	5670	LV	NT	1000	0.171674	20	PASS
11AC40	ANT1	5670	HV	NT	3200	0.549356	20	PASS
11AC40	ANT2	5670	NV	NT	600	0.103004	20	PASS
11AC40	ANT2	5670	LV	NT	3000	0.515021	20	PASS
11AC40	ANT2	5670	HV	NT	5000	0.858369	20	PASS
11AC40	ANT1	5755	NV	NT	2600	0.501931	20	PASS
11AC40	ANT1	5755	LV	NT	3000	0.579151	20	PASS
11AC40	ANT1	5755	HV	NT	3400	0.656371	20	PASS
11AC40	ANT2	5755	NV	NT	-5600	-1.081081	20	PASS
11AC40	ANT2	5755	LV	NT	-2600	-0.501931	20	PASS
11AC40	ANT2	5755	HV	NT	-400	-0.07722	20	PASS
11AC40	ANT1	5795	NV	NT	-4200	-0.809249	20	PASS
11AC40	ANT1	5795	LV	NT	-1800	-0.346821	20	PASS
11AC40	ANT1	5795	HV	NT	0	0	20	PASS
11AC40	ANT2	5795	NV	NT	-2200	-0.423892	20	PASS
11AC40	ANT2	5795	LV	NT	0	0	20	PASS

11AC40	ANT2	5795	HV	NT	1600	0.308285	20	PASS
11AC80	ANT1	5210	NV	NT	-4800	-0.923077	20	PASS
11AC80	ANT1	5210	LV	NT	-2600	-0.5	20	PASS
11AC80	ANT1	5210	HV	NT	-1000	-0.192308	20	PASS
11AC80	ANT2	5210	NV	NT	-4800	-0.923077	20	PASS
11AC80	ANT2	5210	LV	NT	-2400	-0.461538	20	PASS
11AC80	ANT2	5210	HV	NT	-400	-0.076923	20	PASS
11AC80	ANT1	5290	NV	NT	-6200	-1.190019	20	PASS
11AC80	ANT1	5290	LV	NT	-5200	-0.998081	20	PASS
11AC80	ANT1	5290	HV	NT	-3000	-0.575816	20	PASS
11AC80	ANT2	5290	NV	NT	-26400	-5.067179	20	PASS
11AC80	ANT2	5290	LV	NT	-24800	-4.760077	20	PASS
11AC80	ANT2	5290	HV	NT	-23200	-4.452975	20	PASS
11AC80	ANT1	5530	NV	NT	-4800	-0.917782	20	PASS
11AC80	ANT1	5530	LV	NT	-2400	-0.458891	20	PASS
11AC80	ANT1	5530	HV	NT	-800	-0.152964	20	PASS
11AC80	ANT2	5530	NV	NT	-3600	-0.688337	20	PASS
11AC80	ANT2	5530	LV	NT	-1400	-0.267686	20	PASS
11AC80	ANT2	5530	HV	NT	200	0.038241	20	PASS
11AC80	ANT1	5775	NV	NT	-5600	-1.068702	20	PASS
11AC80	ANT1	5775	LV	NT	-3200	-0.610687	20	PASS
11AC80	ANT1	5775	HV	NT	-1800	-0.343511	20	PASS
11AC80	ANT2	5775	NV	NT	-3800	-0.725191	20	PASS
11AC80	ANT2	5775	LV	NT	-1800	-0.343511	20	PASS
11AC80	ANT2	5775	HV	NT	-400	-0.076336	20	PASS

Temperature								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	ANT1	5180	NV	-30	3600	0.694981	20	PASS
11A	ANT1	5180	NV	-20	3800	0.733591	20	PASS
11A	ANT1	5180	NV	-10	4000	0.772201	20	PASS
11A	ANT1	5180	NV	0	4200	0.810811	20	PASS
11A	ANT1	5180	NV	10	4400	0.849421	20	PASS
11A	ANT1	5180	NV	20	4400	0.849421	20	PASS
11A	ANT1	5180	NV	30	4600	0.888031	20	PASS
11A	ANT1	5180	NV	40	4600	0.888031	20	PASS
11A	ANT1	5180	NV	50	4600	0.888031	20	PASS
11A	ANT2	5180	NV	-30	1400	0.27027	20	PASS
11A	ANT2	5180	NV	-20	2800	0.540541	20	PASS

11A	ANT2	5180	NV	-10	3600	0.694981	20	PASS
11A	ANT2	5180	NV	0	4400	0.849421	20	PASS
11A	ANT2	5180	NV	10	4800	0.926641	20	PASS
11A	ANT2	5180	NV	20	5200	1.003861	20	PASS
11A	ANT2	5180	NV	30	5600	1.081081	20	PASS
11A	ANT2	5180	NV	40	5800	1.119691	20	PASS
11A	ANT2	5180	NV	50	6000	1.158301	20	PASS
11A	ANT1	5200	NV	-30	1600	0.308285	20	PASS
11A	ANT1	5200	NV	-20	2600	0.500963	20	PASS
11A	ANT1	5200	NV	-10	3400	0.655106	20	PASS
11A	ANT1	5200	NV	0	4000	0.770713	20	PASS
11A	ANT1	5200	NV	10	4400	0.847784	20	PASS
11A	ANT1	5200	NV	20	4800	0.924855	20	PASS
11A	ANT1	5200	NV	30	5200	1.001927	20	PASS
11A	ANT1	5200	NV	40	5400	1.040462	20	PASS
11A	ANT1	5200	NV	50	5600	1.078998	20	PASS
11A	ANT2	5200	NV	-30	2600	0.500963	20	PASS
11A	ANT2	5200	NV	-20	3600	0.693642	20	PASS
11A	ANT2	5200	NV	-10	4200	0.809249	20	PASS
11A	ANT2	5200	NV	0	4800	0.924855	20	PASS
11A	ANT2	5200	NV	10	5200	1.001927	20	PASS
11A	ANT2	5200	NV	20	5400	1.040462	20	PASS
11A	ANT2	5200	NV	30	5600	1.078998	20	PASS
11A	ANT2	5200	NV	40	5600	1.078998	20	PASS
11A	ANT2	5200	NV	50	5800	1.117534	20	PASS
11A	ANT1	5240	NV	-30	400	0.076923	20	PASS
11A	ANT1	5240	NV	-20	1400	0.269231	20	PASS
11A	ANT1	5240	NV	-10	2000	0.384615	20	PASS
11A	ANT1	5240	NV	0	2600	0.5	20	PASS
11A	ANT1	5240	NV	10	3000	0.576923	20	PASS
11A	ANT1	5240	NV	20	3400	0.653846	20	PASS
11A	ANT1	5240	NV	30	3600	0.692308	20	PASS
11A	ANT1	5240	NV	40	3800	0.730769	20	PASS
11A	ANT1	5240	NV	50	4000	0.769231	20	PASS
11A	ANT2	5240	NV	-30	1200	0.230769	20	PASS
11A	ANT2	5240	NV	-20	2200	0.423077	20	PASS
11A	ANT2	5240	NV	-10	3000	0.576923	20	PASS
11A	ANT2	5240	NV	0	3600	0.692308	20	PASS
11A	ANT2	5240	NV	10	4000	0.769231	20	PASS

11A	ANT2	5240	NV	20	4400	0.846154	20	PASS
11A	ANT2	5240	NV	30	4600	0.884615	20	PASS
11A	ANT2	5240	NV	40	4800	0.923077	20	PASS
11A	ANT2	5240	NV	50	5000	0.961538	20	PASS
11A	ANT1	5260	NV	-30	-1200	-0.230326	20	PASS
11A	ANT1	5260	NV	-20	200	0.038388	20	PASS
11A	ANT1	5260	NV	-10	1200	0.230326	20	PASS
11A	ANT1	5260	NV	0	2000	0.383877	20	PASS
11A	ANT1	5260	NV	10	2600	0.49904	20	PASS
11A	ANT1	5260	NV	20	3000	0.575816	20	PASS
11A	ANT1	5260	NV	30	3400	0.652591	20	PASS
11A	ANT1	5260	NV	40	3800	0.729367	20	PASS
11A	ANT1	5260	NV	50	4000	0.767754	20	PASS
11A	ANT2	5260	NV	-30	-22000	-4.222649	20	PASS
11A	ANT2	5260	NV	-20	-21000	-4.03071	20	PASS
11A	ANT2	5260	NV	-10	-20200	-3.877159	20	PASS
11A	ANT2	5260	NV	0	-19600	-3.761996	20	PASS
11A	ANT2	5260	NV	10	-19000	-3.646833	20	PASS
11A	ANT2	5260	NV	20	-18800	-3.608445	20	PASS
11A	ANT2	5260	NV	30	-18400	-3.53167	20	PASS
11A	ANT2	5260	NV	40	-18000	-3.454894	20	PASS
11A	ANT2	5260	NV	50	-17800	-3.416507	20	PASS
11A	ANT1	5280	NV	-30	600	0.114723	20	PASS
11A	ANT1	5280	NV	-20	1600	0.305927	20	PASS
11A	ANT1	5280	NV	-10	2200	0.42065	20	PASS
11A	ANT1	5280	NV	0	2800	0.535373	20	PASS
11A	ANT1	5280	NV	10	3200	0.611855	20	PASS
11A	ANT1	5280	NV	20	3600	0.688337	20	PASS
11A	ANT1	5280	NV	30	3800	0.726577	20	PASS
11A	ANT1	5280	NV	40	4000	0.764818	20	PASS
11A	ANT1	5280	NV	50	4200	0.803059	20	PASS
11A	ANT2	5280	NV	-30	1600	0.305927	20	PASS
11A	ANT2	5280	NV	-20	2400	0.458891	20	PASS
11A	ANT2	5280	NV	-10	3200	0.611855	20	PASS
11A	ANT2	5280	NV	0	3600	0.688337	20	PASS
11A	ANT2	5280	NV	10	4000	0.764818	20	PASS
11A	ANT2	5280	NV	20	4200	0.803059	20	PASS
11A	ANT2	5280	NV	30	4400	0.8413	20	PASS
11A	ANT2	5280	NV	40	4600	0.879541	20	PASS

11A	ANT2	5280	NV	50	4800	0.917782	20	PASS
11A	ANT1	5320	NV	-30	-400	-0.076336	20	PASS
11A	ANT1	5320	NV	-20	600	0.114504	20	PASS
11A	ANT1	5320	NV	-10	1400	0.267176	20	PASS
11A	ANT1	5320	NV	0	1800	0.343511	20	PASS
11A	ANT1	5320	NV	10	2200	0.419847	20	PASS
11A	ANT1	5320	NV	20	2600	0.496183	20	PASS
11A	ANT1	5320	NV	30	2800	0.534351	20	PASS
11A	ANT1	5320	NV	40	3000	0.572519	20	PASS
11A	ANT1	5320	NV	50	3200	0.610687	20	PASS
11A	ANT2	5320	NV	-30	800	0.152672	20	PASS
11A	ANT2	5320	NV	-20	2000	0.381679	20	PASS
11A	ANT2	5320	NV	-10	2400	0.458015	20	PASS
11A	ANT2	5320	NV	0	2600	0.496183	20	PASS
11A	ANT2	5320	NV	10	2800	0.534351	20	PASS
11A	ANT2	5320	NV	20	3200	0.610687	20	PASS
11A	ANT2	5320	NV	30	3400	0.648855	20	PASS
11A	ANT2	5320	NV	40	3600	0.687023	20	PASS
11A	ANT2	5320	NV	50	3800	0.725191	20	PASS
11A	ANT1	5500	NV	-30	4600	0.874525	20	PASS
11A	ANT1	5500	NV	-20	4800	0.912548	20	PASS
11A	ANT1	5500	NV	-10	4800	0.912548	20	PASS
11A	ANT1	5500	NV	0	5000	0.95057	20	PASS
11A	ANT1	5500	NV	10	5200	0.988593	20	PASS
11A	ANT1	5500	NV	20	5400	1.026616	20	PASS
11A	ANT1	5500	NV	30	5400	1.026616	20	PASS
11A	ANT1	5500	NV	40	5400	1.026616	20	PASS
11A	ANT1	5500	NV	50	5600	1.064639	20	PASS
11A	ANT2	5500	NV	-30	1000	0.190114	20	PASS
11A	ANT2	5500	NV	-20	2000	0.380228	20	PASS
11A	ANT2	5500	NV	-10	3000	0.570342	20	PASS
11A	ANT2	5500	NV	0	3400	0.646388	20	PASS
11A	ANT2	5500	NV	10	3800	0.722433	20	PASS
11A	ANT2	5500	NV	20	4200	0.798479	20	PASS
11A	ANT2	5500	NV	30	4400	0.836502	20	PASS
11A	ANT2	5500	NV	40	4800	0.912548	20	PASS
11A	ANT2	5500	NV	50	4800	0.912548	20	PASS
11A	ANT1	5580	NV	-30	1200	0.227704	20	PASS
11A	ANT1	5580	NV	-20	2200	0.417457	20	PASS

11A	ANT1	5580	NV	-10	3000	0.56926	20	PASS
11A	ANT1	5580	NV	0	3600	0.683112	20	PASS
11A	ANT1	5580	NV	10	3800	0.721063	20	PASS
11A	ANT1	5580	NV	20	4200	0.796964	20	PASS
11A	ANT1	5580	NV	30	4400	0.834915	20	PASS
11A	ANT1	5580	NV	40	4600	0.872865	20	PASS
11A	ANT1	5580	NV	50	4800	0.910816	20	PASS
11A	ANT2	5580	NV	-30	1000	0.189753	20	PASS
11A	ANT2	5580	NV	-20	2200	0.417457	20	PASS
11A	ANT2	5580	NV	-10	3000	0.56926	20	PASS
11A	ANT2	5580	NV	0	3600	0.683112	20	PASS
11A	ANT2	5580	NV	10	4200	0.796964	20	PASS
11A	ANT2	5580	NV	20	4600	0.872865	20	PASS
11A	ANT2	5580	NV	30	4800	0.910816	20	PASS
11A	ANT2	5580	NV	40	5000	0.948767	20	PASS
11A	ANT2	5580	NV	50	5200	0.986717	20	PASS
11A	ANT1	5700	NV	-30	600	0.113422	20	PASS
11A	ANT1	5700	NV	-20	1600	0.302457	20	PASS
11A	ANT1	5700	NV	-10	2400	0.453686	20	PASS
11A	ANT1	5700	NV	0	3000	0.567108	20	PASS
11A	ANT1	5700	NV	10	3600	0.680529	20	PASS
11A	ANT1	5700	NV	20	3800	0.718336	20	PASS
11A	ANT1	5700	NV	30	4200	0.793951	20	PASS
11A	ANT1	5700	NV	40	4400	0.831758	20	PASS
11A	ANT1	5700	NV	50	4600	0.869565	20	PASS
11A	ANT2	5700	NV	-30	-19400	-3.667297	20	PASS
11A	ANT2	5700	NV	-20	-18400	-3.478261	20	PASS
11A	ANT2	5700	NV	-10	-17400	-3.289225	20	PASS
11A	ANT2	5700	NV	0	-16800	-3.175803	20	PASS
11A	ANT2	5700	NV	10	-16400	-3.100189	20	PASS
11A	ANT2	5700	NV	20	-15800	-2.986767	20	PASS
11A	ANT2	5700	NV	30	-15600	-2.94896	20	PASS
11A	ANT2	5700	NV	40	-15200	-2.873346	20	PASS
11A	ANT2	5700	NV	50	-14800	-2.797732	20	PASS
11A	ANT1	5745	NV	-30	800	0.150943	20	PASS
11A	ANT1	5745	NV	-20	1800	0.339623	20	PASS
11A	ANT1	5745	NV	-10	2600	0.490566	20	PASS
11A	ANT1	5745	NV	0	3000	0.566038	20	PASS
11A	ANT1	5745	NV	10	3600	0.679245	20	PASS

11A	ANT1	5745	NV	20	3800	0.716981	20	PASS
11A	ANT1	5745	NV	30	4200	0.792453	20	PASS
11A	ANT1	5745	NV	40	4400	0.830189	20	PASS
11A	ANT1	5745	NV	50	4600	0.867925	20	PASS
11A	ANT2	5745	NV	-30	1200	0.226415	20	PASS
11A	ANT2	5745	NV	-20	2200	0.415094	20	PASS
11A	ANT2	5745	NV	-10	3000	0.566038	20	PASS
11A	ANT2	5745	NV	0	3400	0.641509	20	PASS
11A	ANT2	5745	NV	10	4000	0.754717	20	PASS
11A	ANT2	5745	NV	20	4200	0.792453	20	PASS
11A	ANT2	5745	NV	30	4600	0.867925	20	PASS
11A	ANT2	5745	NV	40	4800	0.90566	20	PASS
11A	ANT2	5745	NV	50	5000	0.943396	20	PASS
11A	ANT1	5785	NV	-30	0	0	20	PASS
11A	ANT1	5785	NV	-20	1400	0.263653	20	PASS
11A	ANT1	5785	NV	-10	2200	0.414313	20	PASS
11A	ANT1	5785	NV	0	3000	0.564972	20	PASS
11A	ANT1	5785	NV	10	3400	0.640301	20	PASS
11A	ANT1	5785	NV	20	3800	0.715631	20	PASS
11A	ANT1	5785	NV	30	4000	0.753296	20	PASS
11A	ANT1	5785	NV	40	4200	0.79096	20	PASS
11A	ANT1	5785	NV	50	4600	0.86629	20	PASS
11A	ANT2	5785	NV	-30	-600	-0.112994	20	PASS
11A	ANT2	5785	NV	-20	800	0.150659	20	PASS
11A	ANT2	5785	NV	-10	1600	0.301318	20	PASS
11A	ANT2	5785	NV	0	2200	0.414313	20	PASS
11A	ANT2	5785	NV	10	2800	0.527307	20	PASS
11A	ANT2	5785	NV	20	3200	0.602637	20	PASS
11A	ANT2	5785	NV	30	3600	0.677966	20	PASS
11A	ANT2	5785	NV	40	4000	0.753296	20	PASS
11A	ANT2	5785	NV	50	4200	0.79096	20	PASS
11A	ANT1	5825	NV	-30	1200	0.225564	20	PASS
11A	ANT1	5825	NV	-20	2200	0.413534	20	PASS
11A	ANT1	5825	NV	-10	2800	0.526316	20	PASS
11A	ANT1	5825	NV	0	3200	0.601504	20	PASS
11A	ANT1	5825	NV	10	3600	0.676692	20	PASS
11A	ANT1	5825	NV	20	4000	0.75188	20	PASS
11A	ANT1	5825	NV	30	4200	0.789474	20	PASS
11A	ANT1	5825	NV	40	4400	0.827068	20	PASS

11A	ANT1	5825	NV	50	4600	0.864662	20	PASS
11A	ANT2	5825	NV	-30	2000	0.37594	20	PASS
11A	ANT2	5825	NV	-20	3000	0.56391	20	PASS
11A	ANT2	5825	NV	-10	3600	0.676692	20	PASS
11A	ANT2	5825	NV	0	4200	0.789474	20	PASS
11A	ANT2	5825	NV	10	4600	0.864662	20	PASS
11A	ANT2	5825	NV	20	4800	0.902256	20	PASS
11A	ANT2	5825	NV	30	5200	0.977444	20	PASS
11A	ANT2	5825	NV	40	5400	1.015038	20	PASS
11A	ANT2	5825	NV	50	5400	1.015038	20	PASS
11N20	ANT1	5180	NV	-30	2000	0.363636	20	PASS
11N20	ANT1	5180	NV	-20	3000	0.545455	20	PASS
11N20	ANT1	5180	NV	-10	3800	0.690909	20	PASS
11N20	ANT1	5180	NV	0	4600	0.836364	20	PASS
11N20	ANT1	5180	NV	10	5000	0.909091	20	PASS
11N20	ANT1	5180	NV	20	5600	1.018182	20	PASS
11N20	ANT1	5180	NV	30	5800	1.054545	20	PASS
11N20	ANT1	5180	NV	40	6000	1.090909	20	PASS
11N20	ANT1	5180	NV	50	6200	1.127273	20	PASS
11N20	ANT2	5180	NV	-30	2600	0.472727	20	PASS
11N20	ANT2	5180	NV	-20	3600	0.654545	20	PASS
11N20	ANT2	5180	NV	-10	4400	0.8	20	PASS
11N20	ANT2	5180	NV	0	5200	0.945455	20	PASS
11N20	ANT2	5180	NV	10	5800	1.054545	20	PASS
11N20	ANT2	5180	NV	20	6200	1.127273	20	PASS
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11N20	ANT2	5180	NV	40	6800	1.236364	20	PASS
11N20	ANT2	5180	NV	50	7000	1.272727	20	PASS
11N20	ANT1	5200	NV	-30	1000	0.181488	20	PASS
11N20	ANT1	5200	NV	-20	2200	0.399274	20	PASS
11N20	ANT1	5200	NV	-10	3200	0.580762	20	PASS
11N20	ANT1	5200	NV	0	3800	0.689655	20	PASS
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11N20	ANT1	5200	NV	40	5600	1.016334	20	PASS
11N20	ANT1	5200	NV	50	6000	1.088929	20	PASS
11N20	ANT2	5200	NV	-30	600	0.108893	20	PASS
11N20	ANT2	5200	NV	-20	1800	0.326679	20	PASS

11N20	ANT2	5200	NV	-10	2800	0.508167	20	PASS
11N20	ANT2	5200	NV	0	3600	0.653358	20	PASS
11N20	ANT2	5200	NV	10	4000	0.725953	20	PASS
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11N20	ANT2	5200	NV	50	5400	0.980036	20	PASS
11N20	ANT1	5240	NV	-30	600	0.108499	20	PASS
11N20	ANT1	5240	NV	-20	1800	0.325497	20	PASS
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11N20	ANT1	5240	NV	40	5200	0.940325	20	PASS
11N20	ANT1	5240	NV	50	5400	0.976492	20	PASS
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11N20	ANT2	5240	NV	-20	-16600	-3.001808	20	PASS
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11N20	ANT2	5240	NV	0	-14800	-2.676311	20	PASS
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11N20	ANT2	5240	NV	40	-12800	-2.314647	20	PASS
11N20	ANT2	5240	NV	50	-12400	-2.242315	20	PASS
11N20	ANT1	5260	NV	-30	2600	0.468468	20	PASS
11N20	ANT1	5260	NV	-20	3600	0.648649	20	PASS
11N20	ANT1	5260	NV	-10	4400	0.792793	20	PASS
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11N20	ANT1	5260	NV	50	7000	1.261261	20	PASS
11N20	ANT2	5260	NV	-30	1000	0.18018	20	PASS
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11N20	ANT2	5260	NV	10	4600	0.828829	20	PASS

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11N20	ANT2	5280	NV	-20	4800	0.860215	20	PASS
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11N20	ANT2	5280	NV	0	5800	1.039427	20	PASS
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11N20	ANT2	5320	NV	-10	-13200	-2.352941	20	PASS
11N20	ANT2	5320	NV	0	-12200	-2.174688	20	PASS
11N20	ANT2	5320	NV	10	-11800	-2.103387	20	PASS
11N20	ANT2	5320	NV	20	-11200	-1.996435	20	PASS
11N20	ANT2	5320	NV	30	-10600	-1.889483	20	PASS
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11N20	ANT1	5500	NV	-30	2800	0.493827	20	PASS
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11N20	ANT2	5500	NV	-20	-32000	-5.643739	20	PASS
11N20	ANT2	5500	NV	-10	-30600	-5.396825	20	PASS
11N20	ANT2	5500	NV	0	-29400	-5.185185	20	PASS
11N20	ANT2	5500	NV	10	-28400	-5.008818	20	PASS
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11N20	ANT2	5500	NV	50	-25400	-4.479718	20	PASS
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11N20	ANT2	5580	NV	-20	4400	0.77193	20	PASS
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11N20	ANT2	5700	NV	-30	4400	0.765883	20	PASS
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11N20	ANT2	5745	NV	-10	-34600	-6.012163	20	PASS
11N20	ANT2	5745	NV	0	-33600	-5.838401	20	PASS
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11N20	ANT2	5745	NV	20	-31600	-5.490877	20	PASS
11N20	ANT2	5745	NV	30	-31000	-5.38662	20	PASS
11N20	ANT2	5745	NV	40	-30200	-5.247611	20	PASS
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11N20	ANT1	5785	NV	-30	2400	0.415584	20	PASS
11N20	ANT1	5785	NV	-20	3800	0.658009	20	PASS
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11N20	ANT1	5785	NV	0	6000	1.038961	20	PASS
11N20	ANT1	5785	NV	10	6400	1.108225	20	PASS

11N20	ANT1	5785	NV	20	6800	1.177489	20	PASS
11N20	ANT1	5785	NV	30	7200	1.246753	20	PASS
11N20	ANT1	5785	NV	40	7600	1.316017	20	PASS
11N20	ANT1	5785	NV	50	8000	1.385281	20	PASS
11N20	ANT2	5785	NV	-30	-13400	-2.320346	20	PASS
11N20	ANT2	5785	NV	-20	-11800	-2.04329	20	PASS
11N20	ANT2	5785	NV	-10	-10600	-1.835498	20	PASS
11N20	ANT2	5785	NV	0	-10000	-1.731602	20	PASS
11N20	ANT2	5785	NV	10	-9200	-1.593074	20	PASS
11N20	ANT2	5785	NV	20	-8600	-1.489177	20	PASS
11N20	ANT2	5785	NV	30	-8000	-1.385281	20	PASS
11N20	ANT2	5785	NV	40	-7800	-1.350649	20	PASS
11N20	ANT2	5785	NV	50	-7400	-1.281385	20	PASS
11N20	ANT1	5825	NV	-30	4200	0.726016	20	PASS
11N20	ANT1	5825	NV	-20	5400	0.933449	20	PASS
11N20	ANT1	5825	NV	-10	6200	1.071737	20	PASS
11N20	ANT1	5825	NV	0	6800	1.175454	20	PASS
11N20	ANT1	5825	NV	10	7400	1.27917	20	PASS
11N20	ANT1	5825	NV	20	7600	1.313742	20	PASS
11N20	ANT1	5825	NV	30	8000	1.382887	20	PASS
11N20	ANT1	5825	NV	40	8200	1.417459	20	PASS
11N20	ANT1	5825	NV	50	8600	1.486603	20	PASS
11N20	ANT2	5825	NV	-30	4600	0.79516	20	PASS
11N20	ANT2	5825	NV	-20	5800	1.002593	20	PASS
11N20	ANT2	5825	NV	-10	6600	1.140882	20	PASS
11N20	ANT2	5825	NV	0	7200	1.244598	20	PASS
11N20	ANT2	5825	NV	10	7600	1.313742	20	PASS
11N20	ANT2	5825	NV	20	8000	1.382887	20	PASS
11N20	ANT2	5825	NV	30	8400	1.452031	20	PASS
11N20	ANT2	5825	NV	40	8600	1.486603	20	PASS
11N20	ANT2	5825	NV	50	8800	1.521175	20	PASS
11N40	ANT1	5190	NV	-30	4200	0.724763	20	PASS
11N40	ANT1	5190	NV	-20	5400	0.931838	20	PASS
11N40	ANT1	5190	NV	-10	6400	1.1044	20	PASS
11N40	ANT1	5190	NV	0	7000	1.207938	20	PASS
11N40	ANT1	5190	NV	10	7600	1.311475	20	PASS
11N40	ANT1	5190	NV	20	8000	1.3805	20	PASS
11N40	ANT1	5190	NV	30	8400	1.449525	20	PASS
11N40	ANT1	5190	NV	40	8600	1.484038	20	PASS

11N40	ANT1	5190	NV	50	8800	1.51855	20	PASS
11N40	ANT2	5190	NV	-30	-28400	-4.900777	20	PASS
11N40	ANT2	5190	NV	-20	-27400	-4.728214	20	PASS
11N40	ANT2	5190	NV	-10	-26400	-4.555651	20	PASS
11N40	ANT2	5190	NV	0	-25600	-4.417601	20	PASS
11N40	ANT2	5190	NV	10	-24800	-4.279551	20	PASS
11N40	ANT2	5190	NV	20	-24400	-4.210526	20	PASS
11N40	ANT2	5190	NV	30	-24000	-4.141501	20	PASS
11N40	ANT2	5190	NV	40	-23400	-4.037964	20	PASS
11N40	ANT2	5190	NV	50	-23000	-3.968939	20	PASS
11N40	ANT1	5230	NV	-30	4800	0.824034	20	PASS
11N40	ANT1	5230	NV	-20	6200	1.064378	20	PASS
11N40	ANT1	5230	NV	-10	7200	1.236052	20	PASS
11N40	ANT1	5230	NV	0	7800	1.339056	20	PASS
11N40	ANT1	5230	NV	10	8200	1.407725	20	PASS
11N40	ANT1	5230	NV	20	8800	1.51073	20	PASS
11N40	ANT1	5230	NV	30	9000	1.545064	20	PASS
11N40	ANT1	5230	NV	40	9400	1.613734	20	PASS
11N40	ANT1	5230	NV	50	9600	1.648069	20	PASS
11N40	ANT2	5230	NV	-30	6200	1.064378	20	PASS
11N40	ANT2	5230	NV	-20	7400	1.270386	20	PASS
11N40	ANT2	5230	NV	-10	8200	1.407725	20	PASS
11N40	ANT2	5230	NV	0	8800	1.51073	20	PASS
11N40	ANT2	5230	NV	10	9400	1.613734	20	PASS
11N40	ANT2	5230	NV	20	9800	1.682403	20	PASS
11N40	ANT2	5230	NV	30	10000	1.716738	20	PASS
11N40	ANT2	5230	NV	40	10400	1.785408	20	PASS
11N40	ANT2	5230	NV	50	10400	1.785408	20	PASS
11N40	ANT1	5270	NV	-30	3600	0.694981	20	PASS
11N40	ANT1	5270	NV	-20	3800	0.733591	20	PASS
11N40	ANT1	5270	NV	-10	4000	0.772201	20	PASS
11N40	ANT1	5270	NV	0	4200	0.810811	20	PASS
11N40	ANT1	5270	NV	10	4400	0.849421	20	PASS
11N40	ANT1	5270	NV	20	4400	0.849421	20	PASS
11N40	ANT1	5270	NV	30	4600	0.888031	20	PASS
11N40	ANT1	5270	NV	40	4600	0.888031	20	PASS
11N40	ANT1	5270	NV	50	4600	0.888031	20	PASS
11N40	ANT2	5270	NV	-30	1400	0.27027	20	PASS
11N40	ANT2	5270	NV	-20	2800	0.540541	20	PASS

11N40	ANT2	5270	NV	-10	3600	0.694981	20	PASS
11N40	ANT2	5270	NV	0	4400	0.849421	20	PASS
11N40	ANT2	5270	NV	10	4800	0.926641	20	PASS
11N40	ANT2	5270	NV	20	5200	1.003861	20	PASS
11N40	ANT2	5270	NV	30	5600	1.081081	20	PASS
11N40	ANT2	5270	NV	40	5800	1.119691	20	PASS
11N40	ANT2	5270	NV	50	6000	1.158301	20	PASS
11N40	ANT1	5310	NV	-30	1600	0.308285	20	PASS
11N40	ANT1	5310	NV	-20	2600	0.500963	20	PASS
11N40	ANT1	5310	NV	-10	3400	0.655106	20	PASS
11N40	ANT1	5310	NV	0	4000	0.770713	20	PASS
11N40	ANT1	5310	NV	10	4400	0.847784	20	PASS
11N40	ANT1	5310	NV	20	4800	0.924855	20	PASS
11N40	ANT1	5310	NV	30	5200	1.001927	20	PASS
11N40	ANT1	5310	NV	40	5400	1.040462	20	PASS
11N40	ANT1	5310	NV	50	5600	1.078998	20	PASS
11N40	ANT2	5310	NV	-30	2600	0.500963	20	PASS
11N40	ANT2	5310	NV	-20	3600	0.693642	20	PASS
11N40	ANT2	5310	NV	-10	4200	0.809249	20	PASS
11N40	ANT2	5310	NV	0	4800	0.924855	20	PASS
11N40	ANT2	5310	NV	10	5200	1.001927	20	PASS
11N40	ANT2	5310	NV	20	5400	1.040462	20	PASS
11N40	ANT2	5310	NV	30	5600	1.078998	20	PASS
11N40	ANT2	5310	NV	40	5600	1.078998	20	PASS
11N40	ANT2	5310	NV	50	5800	1.117534	20	PASS
11N40	ANT1	5510	NV	-30	400	0.076923	20	PASS
11N40	ANT1	5510	NV	-20	1400	0.269231	20	PASS
11N40	ANT1	5510	NV	-10	2000	0.384615	20	PASS
11N40	ANT1	5510	NV	0	2600	0.5	20	PASS
11N40	ANT1	5510	NV	10	3000	0.576923	20	PASS
11N40	ANT1	5510	NV	20	3400	0.653846	20	PASS
11N40	ANT1	5510	NV	30	3600	0.692308	20	PASS
11N40	ANT1	5510	NV	40	3800	0.730769	20	PASS
11N40	ANT1	5510	NV	50	4000	0.769231	20	PASS
11N40	ANT2	5510	NV	-30	1200	0.230769	20	PASS
11N40	ANT2	5510	NV	-20	2200	0.423077	20	PASS
11N40	ANT2	5510	NV	-10	3000	0.576923	20	PASS
11N40	ANT2	5510	NV	0	3600	0.692308	20	PASS
11N40	ANT2	5510	NV	10	4000	0.769231	20	PASS

11N40	ANT2	5510	NV	20	4400	0.846154	20	PASS
11N40	ANT2	5510	NV	30	4600	0.884615	20	PASS
11N40	ANT2	5510	NV	40	4800	0.923077	20	PASS
11N40	ANT2	5510	NV	50	5000	0.961538	20	PASS
11N40	ANT1	5550	NV	-30	-1200	-0.230326	20	PASS
11N40	ANT1	5550	NV	-20	200	0.038388	20	PASS
11N40	ANT1	5550	NV	-10	1200	0.230326	20	PASS
11N40	ANT1	5550	NV	0	2000	0.383877	20	PASS
11N40	ANT1	5550	NV	10	2600	0.49904	20	PASS
11N40	ANT1	5550	NV	20	3000	0.575816	20	PASS
11N40	ANT1	5550	NV	30	3400	0.652591	20	PASS
11N40	ANT1	5550	NV	40	3800	0.729367	20	PASS
11N40	ANT1	5550	NV	50	4000	0.767754	20	PASS
11N40	ANT2	5550	NV	-30	-22000	-4.222649	20	PASS
11N40	ANT2	5550	NV	-20	-21000	-4.03071	20	PASS
11N40	ANT2	5550	NV	-10	-20200	-3.877159	20	PASS
11N40	ANT2	5550	NV	0	-19600	-3.761996	20	PASS
11N40	ANT2	5550	NV	10	-19000	-3.646833	20	PASS
11N40	ANT2	5550	NV	20	-18800	-3.608445	20	PASS
11N40	ANT2	5550	NV	30	-18400	-3.53167	20	PASS
11N40	ANT2	5550	NV	40	-18000	-3.454894	20	PASS
11N40	ANT2	5550	NV	50	-17800	-3.416507	20	PASS
11N40	ANT1	5670	NV	-30	600	0.114723	20	PASS
11N40	ANT1	5670	NV	-20	1600	0.305927	20	PASS
11N40	ANT1	5670	NV	-10	2200	0.42065	20	PASS
11N40	ANT1	5670	NV	0	2800	0.535373	20	PASS
11N40	ANT1	5670	NV	10	3200	0.611855	20	PASS
11N40	ANT1	5670	NV	20	3600	0.688337	20	PASS
11N40	ANT1	5670	NV	30	3800	0.726577	20	PASS
11N40	ANT1	5670	NV	40	4000	0.764818	20	PASS
11N40	ANT1	5670	NV	50	4200	0.803059	20	PASS
11N40	ANT2	5670	NV	-30	1600	0.305927	20	PASS
11N40	ANT2	5670	NV	-20	2400	0.458891	20	PASS
11N40	ANT2	5670	NV	-10	3200	0.611855	20	PASS
11N40	ANT2	5670	NV	0	3600	0.688337	20	PASS
11N40	ANT2	5670	NV	10	4000	0.764818	20	PASS
11N40	ANT2	5670	NV	20	4200	0.803059	20	PASS
11N40	ANT2	5670	NV	30	4400	0.8413	20	PASS
11N40	ANT2	5670	NV	40	4600	0.879541	20	PASS

11N40	ANT2	5670	NV	50	4800	0.917782	20	PASS
11N40	ANT1	5755	NV	-30	-400	-0.076336	20	PASS
11N40	ANT1	5755	NV	-20	600	0.114504	20	PASS
11N40	ANT1	5755	NV	-10	1400	0.267176	20	PASS
11N40	ANT1	5755	NV	0	1800	0.343511	20	PASS
11N40	ANT1	5755	NV	10	2200	0.419847	20	PASS
11N40	ANT1	5755	NV	20	2600	0.496183	20	PASS
11N40	ANT1	5755	NV	30	2800	0.534351	20	PASS
11N40	ANT1	5755	NV	40	3000	0.572519	20	PASS
11N40	ANT1	5755	NV	50	3200	0.610687	20	PASS
11N40	ANT2	5755	NV	-30	800	0.152672	20	PASS
11N40	ANT2	5755	NV	-20	2000	0.381679	20	PASS
11N40	ANT2	5755	NV	-10	2400	0.458015	20	PASS
11N40	ANT2	5755	NV	0	2600	0.496183	20	PASS
11N40	ANT2	5755	NV	10	2800	0.534351	20	PASS
11N40	ANT2	5755	NV	20	3200	0.610687	20	PASS
11N40	ANT2	5755	NV	30	3400	0.648855	20	PASS
11N40	ANT2	5755	NV	40	3600	0.687023	20	PASS
11N40	ANT2	5755	NV	50	3800	0.725191	20	PASS
11N40	ANT1	5795	NV	-30	4600	0.874525	20	PASS
11N40	ANT1	5795	NV	-20	4800	0.912548	20	PASS
11N40	ANT1	5795	NV	-10	4800	0.912548	20	PASS
11N40	ANT1	5795	NV	0	5000	0.95057	20	PASS
11N40	ANT1	5795	NV	10	5200	0.988593	20	PASS
11N40	ANT1	5795	NV	20	5400	1.026616	20	PASS
11N40	ANT1	5795	NV	30	5400	1.026616	20	PASS
11N40	ANT1	5795	NV	40	5400	1.026616	20	PASS
11N40	ANT1	5795	NV	50	5600	1.064639	20	PASS
11N40	ANT2	5795	NV	-30	1000	0.190114	20	PASS
11N40	ANT2	5795	NV	-20	2000	0.380228	20	PASS
11N40	ANT2	5795	NV	-10	3000	0.570342	20	PASS
11N40	ANT2	5795	NV	0	3400	0.646388	20	PASS
11N40	ANT2	5795	NV	10	3800	0.722433	20	PASS
11N40	ANT2	5795	NV	20	4200	0.798479	20	PASS
11N40	ANT2	5795	NV	30	4400	0.836502	20	PASS
11N40	ANT2	5795	NV	40	4800	0.912548	20	PASS
11N40	ANT2	5795	NV	50	4800	0.912548	20	PASS
11AC20	ANT1	5180	NV	-30	1200	0.227704	20	PASS
11AC20	ANT1	5180	NV	-20	2200	0.417457	20	PASS

11AC20	ANT1	5180	NV	-10	3000	0.56926	20	PASS
11AC20	ANT1	5180	NV	0	3600	0.683112	20	PASS
11AC20	ANT1	5180	NV	10	3800	0.721063	20	PASS
11AC20	ANT1	5180	NV	20	4200	0.796964	20	PASS
11AC20	ANT1	5180	NV	30	4400	0.834915	20	PASS
11AC20	ANT1	5180	NV	40	4600	0.872865	20	PASS
11AC20	ANT1	5180	NV	50	4800	0.910816	20	PASS
11AC20	ANT2	5180	NV	-30	1000	0.189753	20	PASS
11AC20	ANT2	5180	NV	-20	2200	0.417457	20	PASS
11AC20	ANT2	5180	NV	-10	3000	0.56926	20	PASS
11AC20	ANT2	5180	NV	0	3600	0.683112	20	PASS
11AC20	ANT2	5180	NV	10	4200	0.796964	20	PASS
11AC20	ANT2	5180	NV	20	4600	0.872865	20	PASS
11AC20	ANT2	5180	NV	30	4800	0.910816	20	PASS
11AC20	ANT2	5180	NV	40	5000	0.948767	20	PASS
11AC20	ANT2	5180	NV	50	5200	0.986717	20	PASS
11AC20	ANT1	5200	NV	-30	600	0.113422	20	PASS
11AC20	ANT1	5200	NV	-20	1600	0.302457	20	PASS
11AC20	ANT1	5200	NV	-10	2400	0.453686	20	PASS
11AC20	ANT1	5200	NV	0	3000	0.567108	20	PASS
11AC20	ANT1	5200	NV	10	3600	0.680529	20	PASS
11AC20	ANT1	5200	NV	20	3800	0.718336	20	PASS
11AC20	ANT1	5200	NV	30	4200	0.793951	20	PASS
11AC20	ANT1	5200	NV	40	4400	0.831758	20	PASS
11AC20	ANT1	5200	NV	50	4600	0.869565	20	PASS
11AC20	ANT2	5200	NV	-30	-19400	-3.667297	20	PASS
11AC20	ANT2	5200	NV	-20	-18400	-3.478261	20	PASS
11AC20	ANT2	5200	NV	-10	-17400	-3.289225	20	PASS
11AC20	ANT2	5200	NV	0	-16800	-3.175803	20	PASS
11AC20	ANT2	5200	NV	10	-16400	-3.100189	20	PASS
11AC20	ANT2	5200	NV	20	-15800	-2.986767	20	PASS
11AC20	ANT2	5200	NV	30	-15600	-2.94896	20	PASS
11AC20	ANT2	5200	NV	40	-15200	-2.873346	20	PASS
11AC20	ANT2	5200	NV	50	-14800	-2.797732	20	PASS
11AC20	ANT1	5240	NV	-30	800	0.150943	20	PASS
11AC20	ANT1	5240	NV	-20	1800	0.339623	20	PASS
11AC20	ANT1	5240	NV	-10	2600	0.490566	20	PASS
11AC20	ANT1	5240	NV	0	3000	0.566038	20	PASS
11AC20	ANT1	5240	NV	10	3600	0.679245	20	PASS

11AC20	ANT1	5240	NV	20	3800	0.716981	20	PASS
11AC20	ANT1	5240	NV	30	4200	0.792453	20	PASS
11AC20	ANT1	5240	NV	40	4400	0.830189	20	PASS
11AC20	ANT1	5240	NV	50	4600	0.867925	20	PASS
11AC20	ANT2	5240	NV	-30	1200	0.226415	20	PASS
11AC20	ANT2	5240	NV	-20	2200	0.415094	20	PASS
11AC20	ANT2	5240	NV	-10	3000	0.566038	20	PASS
11AC20	ANT2	5240	NV	0	3400	0.641509	20	PASS
11AC20	ANT2	5240	NV	10	4000	0.754717	20	PASS
11AC20	ANT2	5240	NV	20	4200	0.792453	20	PASS
11AC20	ANT2	5240	NV	30	4600	0.867925	20	PASS
11AC20	ANT2	5240	NV	40	4800	0.90566	20	PASS
11AC20	ANT2	5240	NV	50	5000	0.943396	20	PASS
11AC20	ANT1	5260	NV	-30	0	0	20	PASS
11AC20	ANT1	5260	NV	-20	1400	0.263653	20	PASS
11AC20	ANT1	5260	NV	-10	2200	0.414313	20	PASS
11AC20	ANT1	5260	NV	0	3000	0.564972	20	PASS
11AC20	ANT1	5260	NV	10	3400	0.640301	20	PASS
11AC20	ANT1	5260	NV	20	3800	0.715631	20	PASS
11AC20	ANT1	5260	NV	30	4000	0.753296	20	PASS
11AC20	ANT1	5260	NV	40	4200	0.79096	20	PASS
11AC20	ANT1	5260	NV	50	4600	0.86629	20	PASS
11AC20	ANT2	5260	NV	-30	-600	-0.112994	20	PASS
11AC20	ANT2	5260	NV	-20	800	0.150659	20	PASS
11AC20	ANT2	5260	NV	-10	1600	0.301318	20	PASS
11AC20	ANT2	5260	NV	0	2200	0.414313	20	PASS
11AC20	ANT2	5260	NV	10	2800	0.527307	20	PASS
11AC20	ANT2	5260	NV	20	3200	0.602637	20	PASS
11AC20	ANT2	5260	NV	30	3600	0.677966	20	PASS
11AC20	ANT2	5260	NV	40	4000	0.753296	20	PASS
11AC20	ANT2	5260	NV	50	4200	0.79096	20	PASS
11AC20	ANT1	5280	NV	-30	1200	0.225564	20	PASS
11AC20	ANT1	5280	NV	-20	2200	0.413534	20	PASS
11AC20	ANT1	5280	NV	-10	2800	0.526316	20	PASS
11AC20	ANT1	5280	NV	0	3200	0.601504	20	PASS
11AC20	ANT1	5280	NV	10	3600	0.676692	20	PASS
11AC20	ANT1	5280	NV	20	4000	0.75188	20	PASS
11AC20	ANT1	5280	NV	30	4200	0.789474	20	PASS
11AC20	ANT1	5280	NV	40	4400	0.827068	20	PASS

11AC20	ANT1	5280	NV	50	4600	0.864662	20	PASS
11AC20	ANT2	5280	NV	-30	2000	0.37594	20	PASS
11AC20	ANT2	5280	NV	-20	3000	0.56391	20	PASS
11AC20	ANT2	5280	NV	-10	3600	0.676692	20	PASS
11AC20	ANT2	5280	NV	0	4200	0.789474	20	PASS
11AC20	ANT2	5280	NV	10	4600	0.864662	20	PASS
11AC20	ANT2	5280	NV	20	4800	0.902256	20	PASS
11AC20	ANT2	5280	NV	30	5200	0.977444	20	PASS
11AC20	ANT2	5280	NV	40	5400	1.015038	20	PASS
11AC20	ANT2	5280	NV	50	5400	1.015038	20	PASS
11AC20	ANT1	5320	NV	-30	2000	0.363636	20	PASS
11AC20	ANT1	5320	NV	-20	3000	0.545455	20	PASS
11AC20	ANT1	5320	NV	-10	3800	0.690909	20	PASS
11AC20	ANT1	5320	NV	0	4600	0.836364	20	PASS
11AC20	ANT1	5320	NV	10	5000	0.909091	20	PASS
11AC20	ANT1	5320	NV	20	5600	1.018182	20	PASS
11AC20	ANT1	5320	NV	30	5800	1.054545	20	PASS
11AC20	ANT1	5320	NV	40	6000	1.090909	20	PASS
11AC20	ANT1	5320	NV	50	6200	1.127273	20	PASS
11AC20	ANT2	5320	NV	-30	2600	0.472727	20	PASS
11AC20	ANT2	5320	NV	-20	3600	0.654545	20	PASS
11AC20	ANT2	5320	NV	-10	4400	0.8	20	PASS
11AC20	ANT2	5320	NV	0	5200	0.945455	20	PASS
11AC20	ANT2	5320	NV	10	5800	1.054545	20	PASS
11AC20	ANT2	5320	NV	20	6200	1.127273	20	PASS
11AC20	ANT2	5320	NV	30	6400	1.163636	20	PASS
11AC20	ANT2	5320	NV	40	6800	1.236364	20	PASS
11AC20	ANT2	5320	NV	50	7000	1.272727	20	PASS
11AC20	ANT1	5500	NV	-30	1000	0.181488	20	PASS
11AC20	ANT1	5500	NV	-20	2200	0.399274	20	PASS
11AC20	ANT1	5500	NV	-10	3200	0.580762	20	PASS
11AC20	ANT1	5500	NV	0	3800	0.689655	20	PASS
11AC20	ANT1	5500	NV	10	4600	0.834846	20	PASS
11AC20	ANT1	5500	NV	20	5000	0.907441	20	PASS
11AC20	ANT1	5500	NV	30	5400	0.980036	20	PASS
11AC20	ANT1	5500	NV	40	5600	1.016334	20	PASS
11AC20	ANT1	5500	NV	50	6000	1.088929	20	PASS
11AC20	ANT2	5500	NV	-30	600	0.108893	20	PASS
11AC20	ANT2	5500	NV	-20	1800	0.326679	20	PASS

11AC20	ANT2	5500	NV	-10	2800	0.508167	20	PASS
11AC20	ANT2	5500	NV	0	3600	0.653358	20	PASS
11AC20	ANT2	5500	NV	10	4000	0.725953	20	PASS
11AC20	ANT2	5500	NV	20	4400	0.798548	20	PASS
11AC20	ANT2	5500	NV	30	5000	0.907441	20	PASS
11AC20	ANT2	5500	NV	40	5200	0.943739	20	PASS
11AC20	ANT2	5500	NV	50	5400	0.980036	20	PASS
11AC20	ANT1	5580	NV	-30	600	0.108499	20	PASS
11AC20	ANT1	5580	NV	-20	1800	0.325497	20	PASS
11AC20	ANT1	5580	NV	-10	2800	0.506329	20	PASS
11AC20	ANT1	5580	NV	0	3800	0.687161	20	PASS
11AC20	ANT1	5580	NV	10	4200	0.759494	20	PASS
11AC20	ANT1	5580	NV	20	4600	0.831826	20	PASS
11AC20	ANT1	5580	NV	30	5000	0.904159	20	PASS
11AC20	ANT1	5580	NV	40	5200	0.940325	20	PASS
11AC20	ANT1	5580	NV	50	5400	0.976492	20	PASS
11AC20	ANT2	5580	NV	-30	-17800	-3.218807	20	PASS
11AC20	ANT2	5580	NV	-20	-16600	-3.001808	20	PASS
11AC20	ANT2	5580	NV	-10	-15600	-2.820976	20	PASS
11AC20	ANT2	5580	NV	0	-14800	-2.676311	20	PASS
11AC20	ANT2	5580	NV	10	-14200	-2.567812	20	PASS
11AC20	ANT2	5580	NV	20	-13600	-2.459313	20	PASS
11AC20	ANT2	5580	NV	30	-13000	-2.350814	20	PASS
11AC20	ANT2	5580	NV	40	-12800	-2.314647	20	PASS
11AC20	ANT2	5580	NV	50	-12400	-2.242315	20	PASS
11AC20	ANT1	5700	NV	-30	2600	0.468468	20	PASS
11AC20	ANT1	5700	NV	-20	3600	0.648649	20	PASS
11AC20	ANT1	5700	NV	-10	4400	0.792793	20	PASS
11AC20	ANT1	5700	NV	0	5200	0.936937	20	PASS
11AC20	ANT1	5700	NV	10	5800	1.045045	20	PASS
11AC20	ANT1	5700	NV	20	6000	1.081081	20	PASS
11AC20	ANT1	5700	NV	30	6400	1.153153	20	PASS
11AC20	ANT1	5700	NV	40	6800	1.225225	20	PASS
11AC20	ANT1	5700	NV	50	7000	1.261261	20	PASS
11AC20	ANT2	5700	NV	-30	1000	0.18018	20	PASS
11AC20	ANT2	5700	NV	-20	2200	0.396396	20	PASS
11AC20	ANT2	5700	NV	-10	3200	0.576577	20	PASS
11AC20	ANT2	5700	NV	0	4000	0.720721	20	PASS
11AC20	ANT2	5700	NV	10	4600	0.828829	20	PASS

11AC20	ANT2	5700	NV	20	5200	0.936937	20	PASS
11AC20	ANT2	5700	NV	30	5600	1.009009	20	PASS
11AC20	ANT2	5700	NV	40	5800	1.045045	20	PASS
11AC20	ANT2	5700	NV	50	6000	1.081081	20	PASS
11AC20	ANT1	5745	NV	-30	2600	0.46595	20	PASS
11AC20	ANT1	5745	NV	-20	3600	0.645161	20	PASS
11AC20	ANT1	5745	NV	-10	4200	0.752688	20	PASS
11AC20	ANT1	5745	NV	0	4800	0.860215	20	PASS
11AC20	ANT1	5745	NV	10	5200	0.9319	20	PASS
11AC20	ANT1	5745	NV	20	5600	1.003584	20	PASS
11AC20	ANT1	5745	NV	30	5800	1.039427	20	PASS
11AC20	ANT1	5745	NV	40	6000	1.075269	20	PASS
11AC20	ANT1	5745	NV	50	6400	1.146953	20	PASS
11AC20	ANT2	5745	NV	-30	3800	0.681004	20	PASS
11AC20	ANT2	5745	NV	-20	4800	0.860215	20	PASS
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11AC20	ANT2	5745	NV	0	5800	1.039427	20	PASS
11AC20	ANT2	5745	NV	10	6400	1.146953	20	PASS
11AC20	ANT2	5745	NV	20	6600	1.182796	20	PASS
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11AC20	ANT2	5745	NV	40	7000	1.25448	20	PASS
11AC20	ANT2	5745	NV	50	7200	1.290323	20	PASS
11AC20	ANT1	5785	NV	-30	2800	0.499109	20	PASS
11AC20	ANT1	5785	NV	-20	3800	0.677362	20	PASS
11AC20	ANT1	5785	NV	-10	4400	0.784314	20	PASS
11AC20	ANT1	5785	NV	0	5000	0.891266	20	PASS
11AC20	ANT1	5785	NV	10	5400	0.962567	20	PASS
11AC20	ANT1	5785	NV	20	5800	1.033868	20	PASS
11AC20	ANT1	5785	NV	30	6200	1.105169	20	PASS
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11AC20	ANT1	5785	NV	50	6800	1.212121	20	PASS
11AC20	ANT2	5785	NV	-30	-15400	-2.745098	20	PASS
11AC20	ANT2	5785	NV	-20	-14000	-2.495544	20	PASS
11AC20	ANT2	5785	NV	-10	-13200	-2.352941	20	PASS
11AC20	ANT2	5785	NV	0	-12200	-2.174688	20	PASS
11AC20	ANT2	5785	NV	10	-11800	-2.103387	20	PASS
11AC20	ANT2	5785	NV	20	-11200	-1.996435	20	PASS
11AC20	ANT2	5785	NV	30	-10600	-1.889483	20	PASS
11AC20	ANT2	5785	NV	40	-10400	-1.853832	20	PASS

11AC20	ANT2	5785	NV	50	-10000	-1.782531	20	PASS
11AC20	ANT1	5825	NV	-30	2800	0.493827	20	PASS
11AC20	ANT1	5825	NV	-20	4200	0.740741	20	PASS
11AC20	ANT1	5825	NV	-10	5000	0.881834	20	PASS
11AC20	ANT1	5825	NV	0	5800	1.022928	20	PASS
11AC20	ANT1	5825	NV	10	6200	1.093474	20	PASS
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11AC20	ANT1	5825	NV	30	7000	1.234568	20	PASS
11AC20	ANT1	5825	NV	40	7200	1.269841	20	PASS
11AC20	ANT1	5825	NV	50	7400	1.305115	20	PASS
11AC20	ANT2	5825	NV	-30	-33800	-5.961199	20	PASS
11AC20	ANT2	5825	NV	-20	-32000	-5.643739	20	PASS
11AC20	ANT2	5825	NV	-10	-30600	-5.396825	20	PASS
11AC20	ANT2	5825	NV	0	-29400	-5.185185	20	PASS
11AC20	ANT2	5825	NV	10	-28400	-5.008818	20	PASS
11AC20	ANT2	5825	NV	20	-27600	-4.867725	20	PASS
11AC20	ANT2	5825	NV	30	-26800	-4.726631	20	PASS
11AC20	ANT2	5825	NV	40	-26000	-4.585538	20	PASS
11AC20	ANT2	5825	NV	50	-25400	-4.479718	20	PASS
11AC40	ANT1	5190	NV	-30	3000	0.526316	20	PASS
11AC40	ANT1	5190	NV	-20	4000	0.701754	20	PASS
11AC40	ANT1	5190	NV	-10	5000	0.877193	20	PASS
11AC40	ANT1	5190	NV	0	5400	0.947368	20	PASS
11AC40	ANT1	5190	NV	10	6000	1.052632	20	PASS
11AC40	ANT1	5190	NV	20	6400	1.122807	20	PASS
11AC40	ANT1	5190	NV	30	6800	1.192982	20	PASS
11AC40	ANT1	5190	NV	40	7200	1.263158	20	PASS
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11AC40	ANT2	5190	NV	-30	3200	0.561404	20	PASS
11AC40	ANT2	5190	NV	-20	4400	0.77193	20	PASS
11AC40	ANT2	5190	NV	-10	5400	0.947368	20	PASS
11AC40	ANT2	5190	NV	0	6000	1.052632	20	PASS
11AC40	ANT2	5190	NV	10	6600	1.157895	20	PASS
11AC40	ANT2	5190	NV	20	6800	1.192982	20	PASS
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11AC40	ANT2	5190	NV	40	7400	1.298246	20	PASS
11AC40	ANT2	5190	NV	50	7600	1.333333	20	PASS
11AC40	ANT1	5230	NV	-30	4400	0.765883	20	PASS
11AC40	ANT1	5230	NV	-20	5400	0.939948	20	PASS

11AC40	ANT1	5230	NV	-10	6000	1.044386	20	PASS
11AC40	ANT1	5230	NV	0	6600	1.148825	20	PASS
11AC40	ANT1	5230	NV	10	7000	1.218451	20	PASS
11AC40	ANT1	5230	NV	20	7200	1.253264	20	PASS
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11AC40	ANT1	5230	NV	40	7800	1.357702	20	PASS
11AC40	ANT1	5230	NV	50	8000	1.392515	20	PASS
11AC40	ANT2	5230	NV	-30	4400	0.765883	20	PASS
11AC40	ANT2	5230	NV	-20	5400	0.939948	20	PASS
11AC40	ANT2	5230	NV	-10	6200	1.079199	20	PASS
11AC40	ANT2	5230	NV	0	6800	1.183638	20	PASS
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11AC40	ANT2	5230	NV	50	8200	1.427328	20	PASS
11AC40	ANT1	5270	NV	-30	4400	0.764553	20	PASS
11AC40	ANT1	5270	NV	-20	5600	0.973067	20	PASS
11AC40	ANT1	5270	NV	-10	6600	1.146829	20	PASS
11AC40	ANT1	5270	NV	0	7200	1.251086	20	PASS
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11AC40	ANT2	5270	NV	-30	-37400	-6.498697	20	PASS
11AC40	ANT2	5270	NV	-20	-36000	-6.25543	20	PASS
11AC40	ANT2	5270	NV	-10	-34600	-6.012163	20	PASS
11AC40	ANT2	5270	NV	0	-33600	-5.838401	20	PASS
11AC40	ANT2	5270	NV	10	-32600	-5.664639	20	PASS
11AC40	ANT2	5270	NV	20	-31600	-5.490877	20	PASS
11AC40	ANT2	5270	NV	30	-31000	-5.38662	20	PASS
11AC40	ANT2	5270	NV	40	-30200	-5.247611	20	PASS
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11AC40	ANT1	5310	NV	-30	2400	0.415584	20	PASS
11AC40	ANT1	5310	NV	-20	3800	0.658009	20	PASS
11AC40	ANT1	5310	NV	-10	5200	0.900433	20	PASS
11AC40	ANT1	5310	NV	0	6000	1.038961	20	PASS
11AC40	ANT1	5310	NV	10	6400	1.108225	20	PASS

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11AC40	ANT1	5310	NV	40	7600	1.316017	20	PASS
11AC40	ANT1	5310	NV	50	8000	1.385281	20	PASS
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11AC40	ANT2	5310	NV	-20	-11800	-2.04329	20	PASS
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11AC40	ANT2	5310	NV	0	-10000	-1.731602	20	PASS
11AC40	ANT2	5310	NV	10	-9200	-1.593074	20	PASS
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11AC40	ANT2	5310	NV	30	-8000	-1.385281	20	PASS
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11AC40	ANT1	5510	NV	-30	4200	0.726016	20	PASS
11AC40	ANT1	5510	NV	-20	5400	0.933449	20	PASS
11AC40	ANT1	5510	NV	-10	6200	1.071737	20	PASS
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11AC40	ANT1	5510	NV	50	8600	1.486603	20	PASS
11AC40	ANT2	5510	NV	-30	4600	0.79516	20	PASS
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11AC40	ANT2	5510	NV	-10	6600	1.140882	20	PASS
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11AC40	ANT2	5510	NV	20	8000	1.382887	20	PASS
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11AC40	ANT2	5510	NV	50	8800	1.521175	20	PASS
11AC40	ANT1	5550	NV	-30	4200	0.724763	20	PASS
11AC40	ANT1	5550	NV	-20	5400	0.931838	20	PASS
11AC40	ANT1	5550	NV	-10	6400	1.1044	20	PASS
11AC40	ANT1	5550	NV	0	7000	1.207938	20	PASS
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11AC40	ANT1	5550	NV	50	8800	1.51855	20	PASS
11AC40	ANT2	5550	NV	-30	-28400	-4.900777	20	PASS
11AC40	ANT2	5550	NV	-20	-27400	-4.728214	20	PASS
11AC40	ANT2	5550	NV	-10	-26400	-4.555651	20	PASS
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11AC40	ANT2	5550	NV	10	-24800	-4.279551	20	PASS
11AC40	ANT2	5550	NV	20	-24400	-4.210526	20	PASS
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11AC40	ANT2	5550	NV	50	-23000	-3.968939	20	PASS
11AC40	ANT1	5670	NV	-30	4800	0.824034	20	PASS
11AC40	ANT1	5670	NV	-20	6200	1.064378	20	PASS
11AC40	ANT1	5670	NV	-10	7200	1.236052	20	PASS
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11AC40	ANT1	5670	NV	40	9400	1.613734	20	PASS
11AC40	ANT1	5670	NV	50	9600	1.648069	20	PASS
11AC40	ANT2	5670	NV	-30	6200	1.064378	20	PASS
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11AC40	ANT2	5670	NV	-10	8200	1.407725	20	PASS
11AC40	ANT2	5670	NV	0	8800	1.51073	20	PASS
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11AC40	ANT1	5755	NV	-30	3600	0.694981	20	PASS
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11AC40	ANT1	5755	NV	-10	4000	0.772201	20	PASS
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11AC40	ANT1	5755	NV	10	4400	0.849421	20	PASS
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11AC40	ANT1	5755	NV	30	4600	0.888031	20	PASS
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11AC40	ANT1	5755	NV	50	4600	0.888031	20	PASS
11AC40	ANT2	5755	NV	-30	1400	0.27027	20	PASS
11AC40	ANT2	5755	NV	-20	2800	0.540541	20	PASS

11AC40	ANT2	5755	NV	-10	3600	0.694981	20	PASS
11AC40	ANT2	5755	NV	0	4400	0.849421	20	PASS
11AC40	ANT2	5755	NV	10	4800	0.926641	20	PASS
11AC40	ANT2	5755	NV	20	5200	1.003861	20	PASS
11AC40	ANT2	5755	NV	30	5600	1.081081	20	PASS
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11AC40	ANT1	5795	NV	-30	1600	0.308285	20	PASS
11AC40	ANT1	5795	NV	-20	2600	0.500963	20	PASS
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11AC40	ANT1	5795	NV	10	4400	0.847784	20	PASS
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11AC40	ANT1	5795	NV	40	5400	1.040462	20	PASS
11AC40	ANT1	5795	NV	50	5600	1.078998	20	PASS
11AC40	ANT2	5795	NV	-30	2600	0.500963	20	PASS
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11AC80	ANT1	5210	NV	-30	400	0.076923	20	PASS
11AC80	ANT1	5210	NV	-20	1400	0.269231	20	PASS
11AC80	ANT1	5210	NV	-10	2000	0.384615	20	PASS
11AC80	ANT1	5210	NV	0	2600	0.5	20	PASS
11AC80	ANT1	5210	NV	10	3000	0.576923	20	PASS
11AC80	ANT1	5210	NV	20	3400	0.653846	20	PASS
11AC80	ANT1	5210	NV	30	3600	0.692308	20	PASS
11AC80	ANT1	5210	NV	40	3800	0.730769	20	PASS
11AC80	ANT1	5210	NV	50	4000	0.769231	20	PASS
11AC80	ANT2	5210	NV	-30	1200	0.230769	20	PASS
11AC80	ANT2	5210	NV	-20	2200	0.423077	20	PASS
11AC80	ANT2	5210	NV	-10	3000	0.576923	20	PASS
11AC80	ANT2	5210	NV	0	3600	0.692308	20	PASS
11AC80	ANT2	5210	NV	10	4000	0.769231	20	PASS

11AC80	ANT2	5210	NV	20	4400	0.846154	20	PASS
11AC80	ANT2	5210	NV	30	4600	0.884615	20	PASS
11AC80	ANT2	5210	NV	40	4800	0.923077	20	PASS
11AC80	ANT2	5210	NV	50	5000	0.961538	20	PASS
11AC80	ANT1	5290	NV	-30	-1200	-0.230326	20	PASS
11AC80	ANT1	5290	NV	-20	200	0.038388	20	PASS
11AC80	ANT1	5290	NV	-10	1200	0.230326	20	PASS
11AC80	ANT1	5290	NV	0	2000	0.383877	20	PASS
11AC80	ANT1	5290	NV	10	2600	0.49904	20	PASS
11AC80	ANT1	5290	NV	20	3000	0.575816	20	PASS
11AC80	ANT1	5290	NV	30	3400	0.652591	20	PASS
11AC80	ANT1	5290	NV	40	3800	0.729367	20	PASS
11AC80	ANT1	5290	NV	50	4000	0.767754	20	PASS
11AC80	ANT2	5290	NV	-30	-22000	-4.222649	20	PASS
11AC80	ANT2	5290	NV	-20	-21000	-4.03071	20	PASS
11AC80	ANT2	5290	NV	-10	-20200	-3.877159	20	PASS
11AC80	ANT2	5290	NV	0	-19600	-3.761996	20	PASS
11AC80	ANT2	5290	NV	10	-19000	-3.646833	20	PASS
11AC80	ANT2	5290	NV	20	-18800	-3.608445	20	PASS
11AC80	ANT2	5290	NV	30	-18400	-3.53167	20	PASS
11AC80	ANT2	5290	NV	40	-18000	-3.454894	20	PASS
11AC80	ANT2	5290	NV	50	-17800	-3.416507	20	PASS
11AC80	ANT1	5530	NV	-30	600	0.114723	20	PASS
11AC80	ANT1	5530	NV	-20	1600	0.305927	20	PASS
11AC80	ANT1	5530	NV	-10	2200	0.42065	20	PASS
11AC80	ANT1	5530	NV	0	2800	0.535373	20	PASS
11AC80	ANT1	5530	NV	10	3200	0.611855	20	PASS
11AC80	ANT1	5530	NV	20	3600	0.688337	20	PASS
11AC80	ANT1	5530	NV	30	3800	0.726577	20	PASS
11AC80	ANT1	5530	NV	40	4000	0.764818	20	PASS
11AC80	ANT1	5530	NV	50	4200	0.803059	20	PASS
11AC80	ANT2	5530	NV	-30	1600	0.305927	20	PASS
11AC80	ANT2	5530	NV	-20	2400	0.458891	20	PASS
11AC80	ANT2	5530	NV	-10	3200	0.611855	20	PASS
11AC80	ANT2	5530	NV	0	3600	0.688337	20	PASS
11AC80	ANT2	5530	NV	10	4000	0.764818	20	PASS
11AC80	ANT2	5530	NV	20	4200	0.803059	20	PASS
11AC80	ANT2	5530	NV	30	4400	0.8413	20	PASS
11AC80	ANT2	5530	NV	40	4600	0.879541	20	PASS