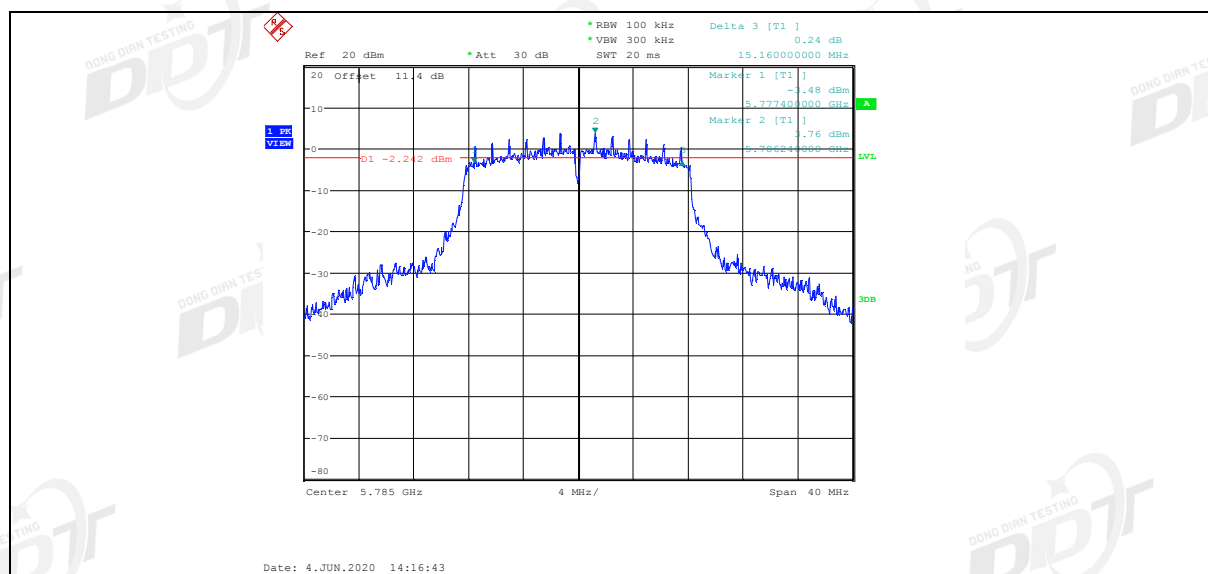
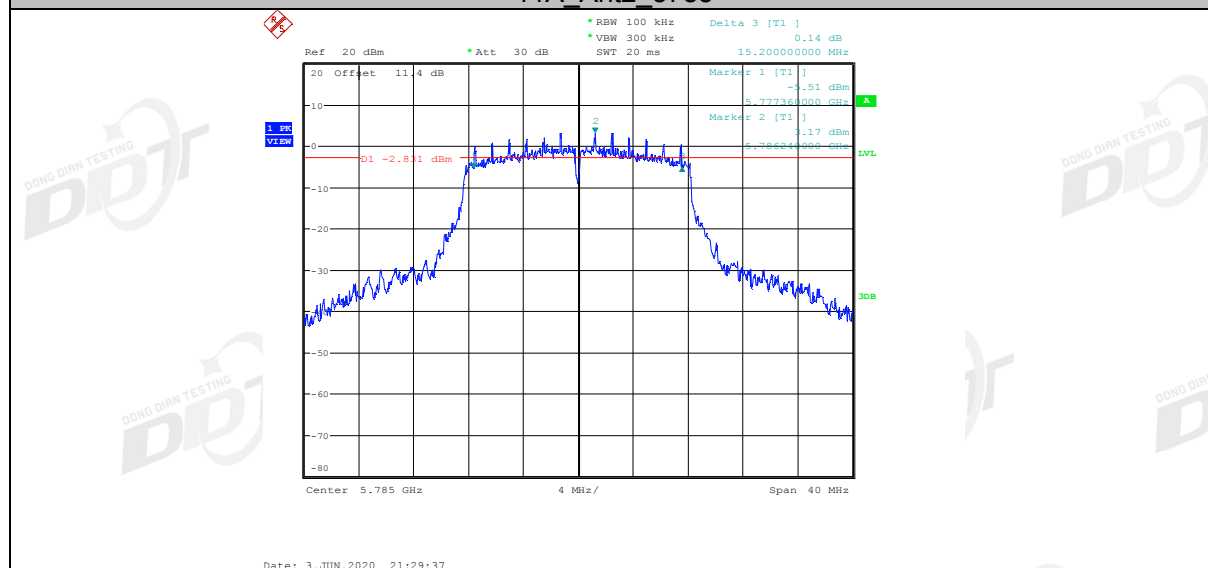
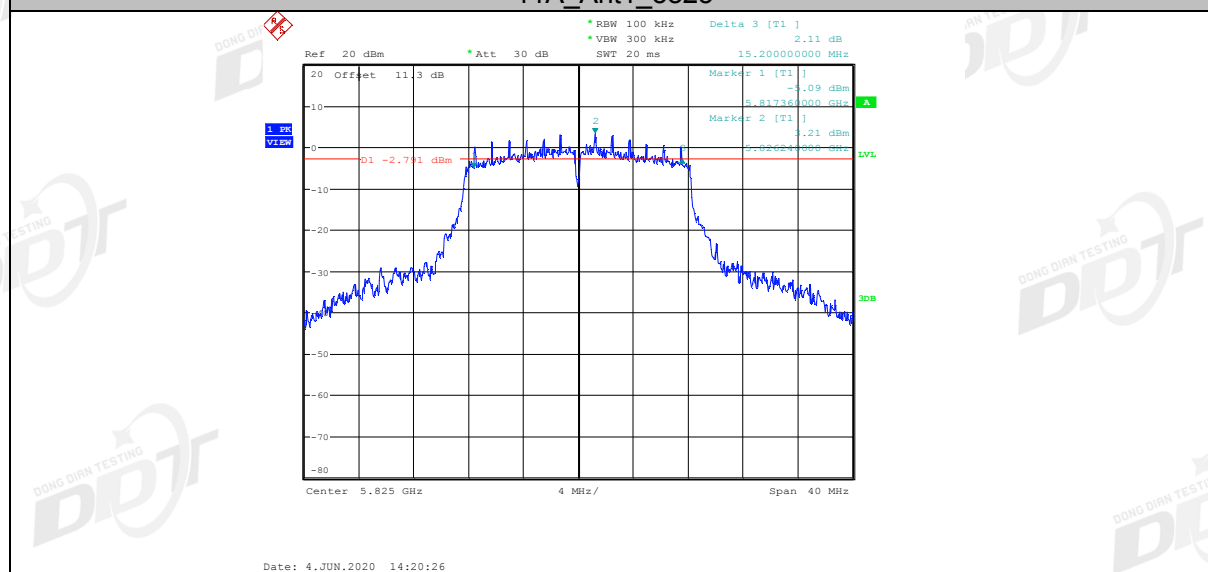




11A_Ant2_5785



11A_Ant1_5825



11A_Ant2_5825



Ref 20 dBm *Att 30 dB Delta 3 [T1] 0.11 dB 15.120000000 MHz

20 Offset 11.4 dB

Marker 1 [T1] -.91 dBm 5.737400000 GHz

Marker 2 [T1] -.85 dBm 5.746200000 GHz

01 -4.145 dBm

Center 5.745 GHz 4 MHz/ Span 40 MHz

Date: 4.JUN.2020 14:48:38

Ref 20 dBm * Att 30 dB RBW 100 kHz VBW 300 kHz Delta 3 [T1] 0.10 dB 15.200000000 MHz SWT 20 ms

20 Offset 11.4 dB

1 PR VLSM

Marker 1 [T1] -5.91 dBm 5.737360000 GHz

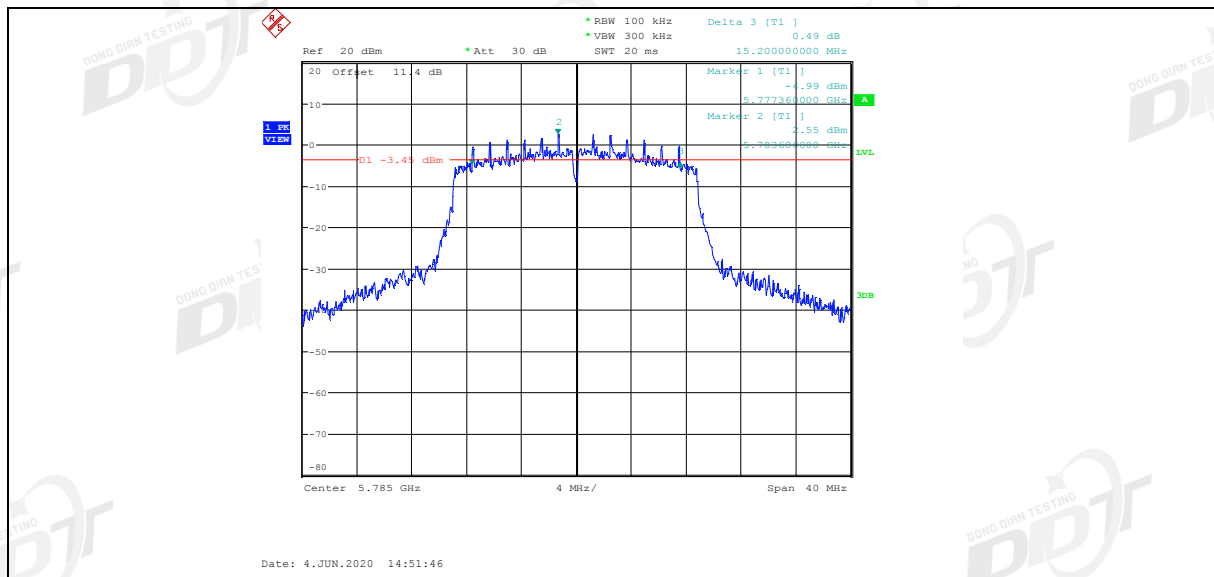
Marker 2 [T1] -4.48 dBm 5.740280000 GHz

01 -4.523 dBm

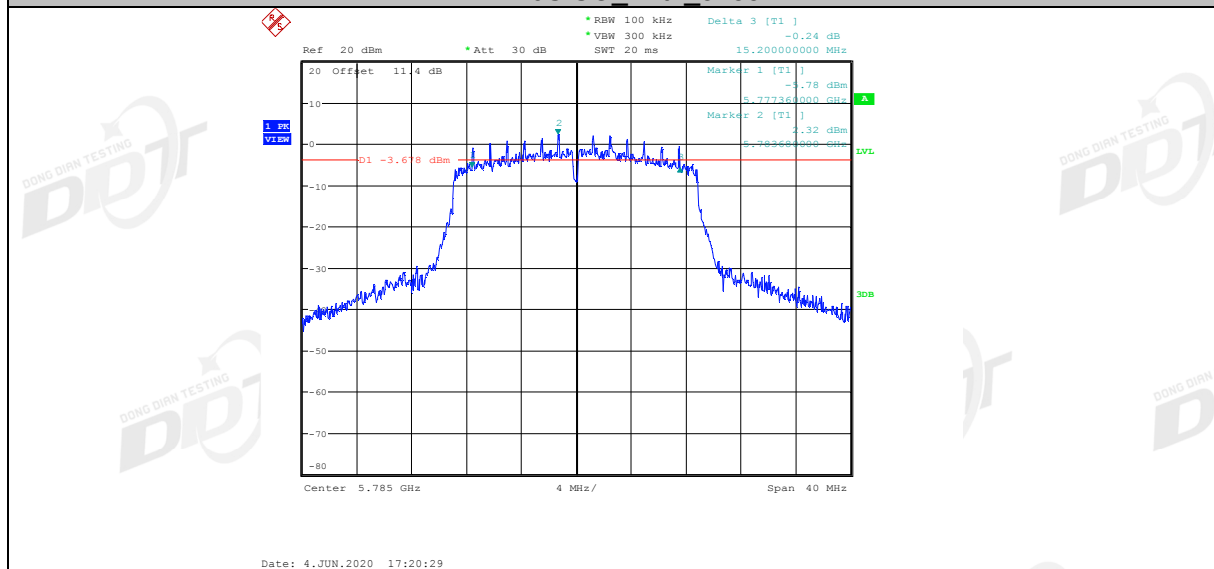
Center 5.745 GHz 4 MHz/ Span 40 MHz

Date: 4.JUN.2020 17:17:36

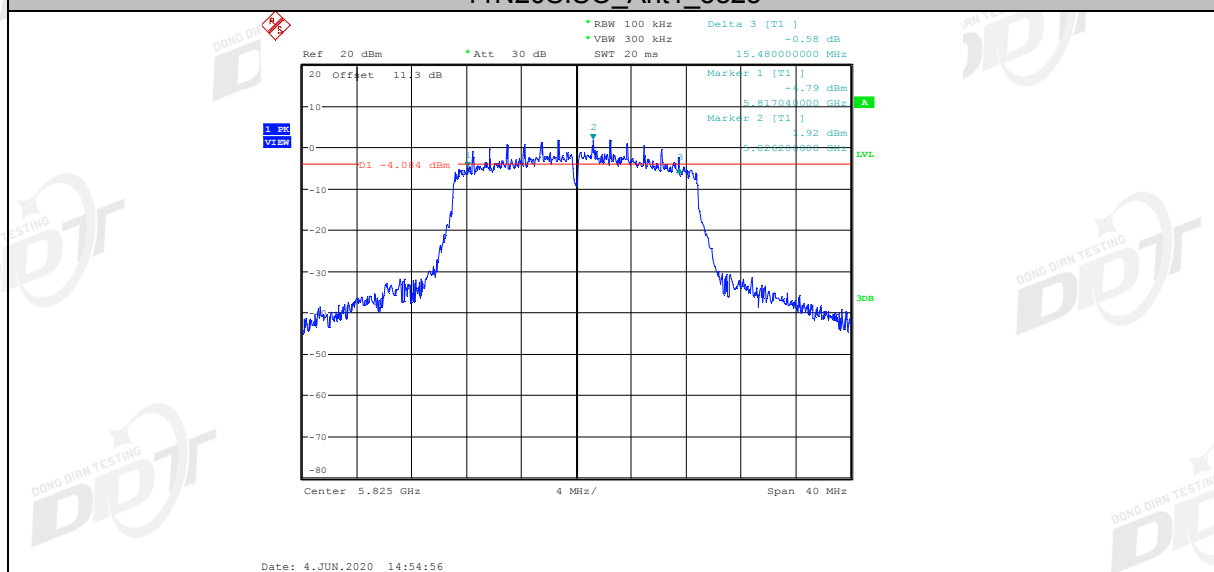
11N20SISO Ant1 5785



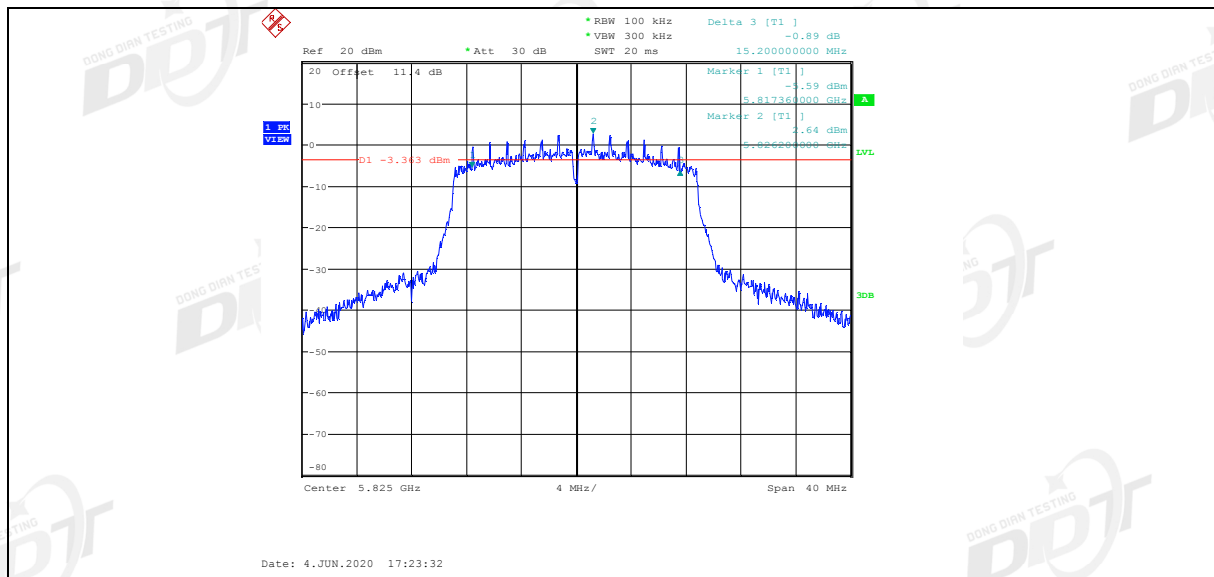
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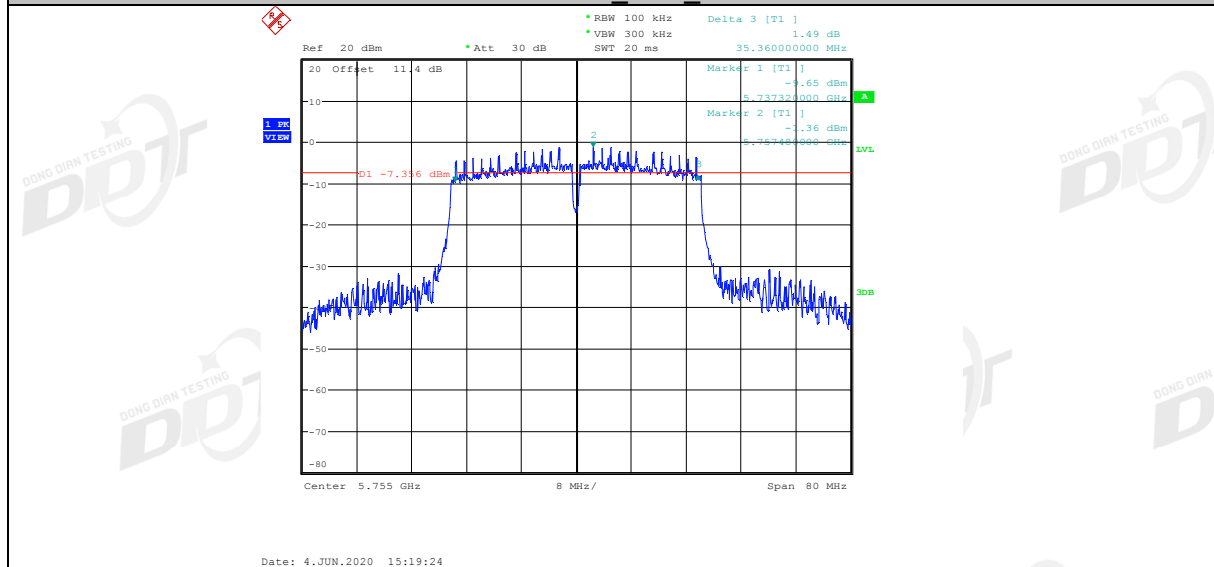
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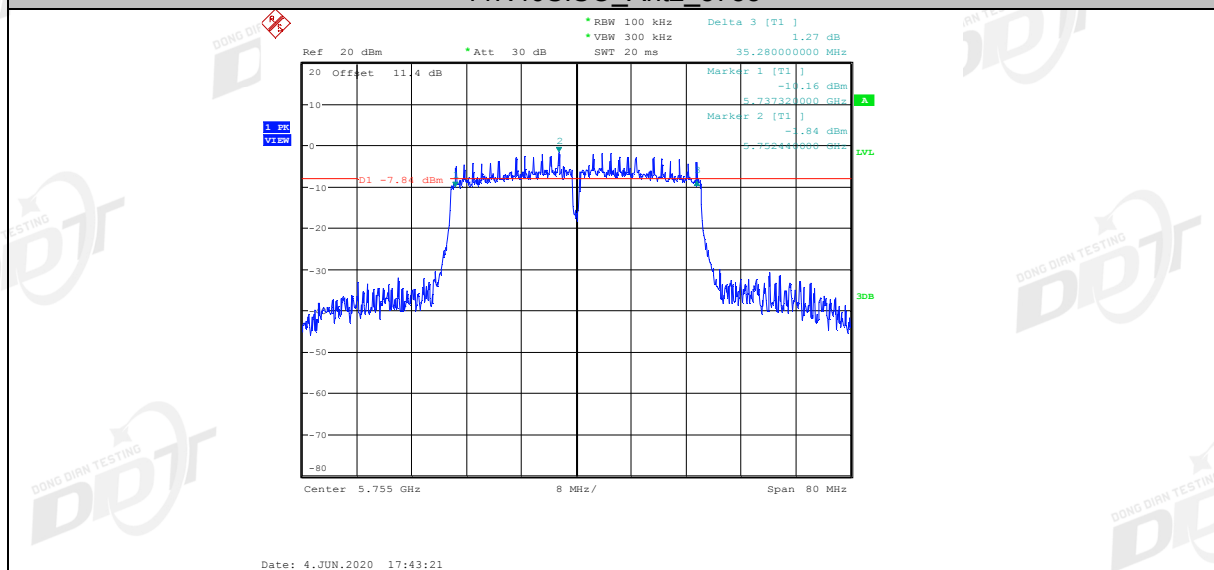
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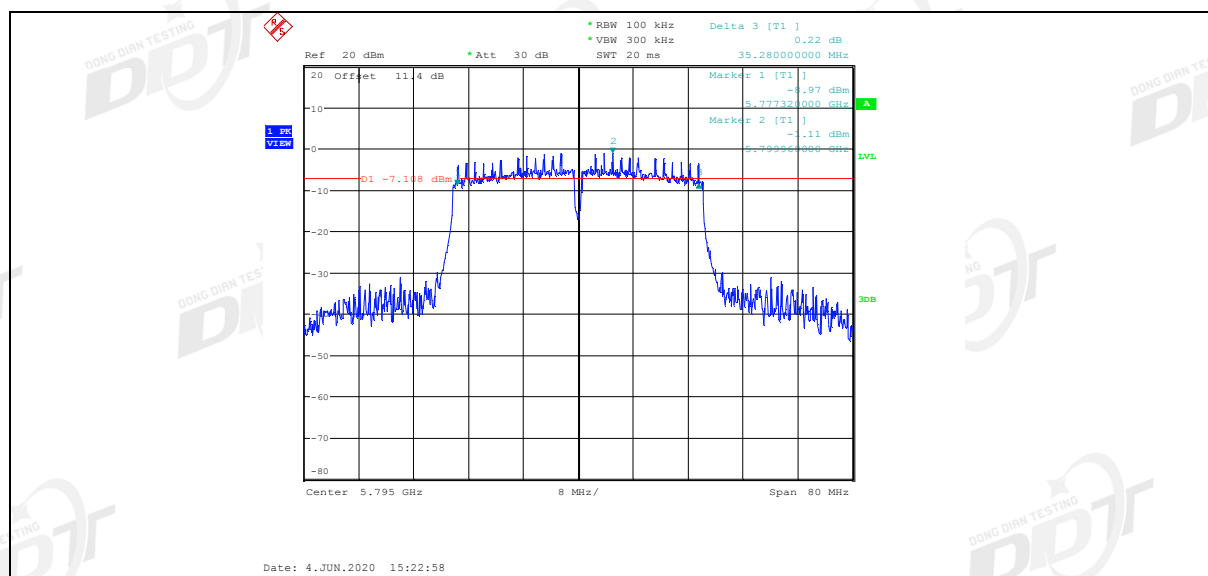
11N40SISO_Ant1_5755



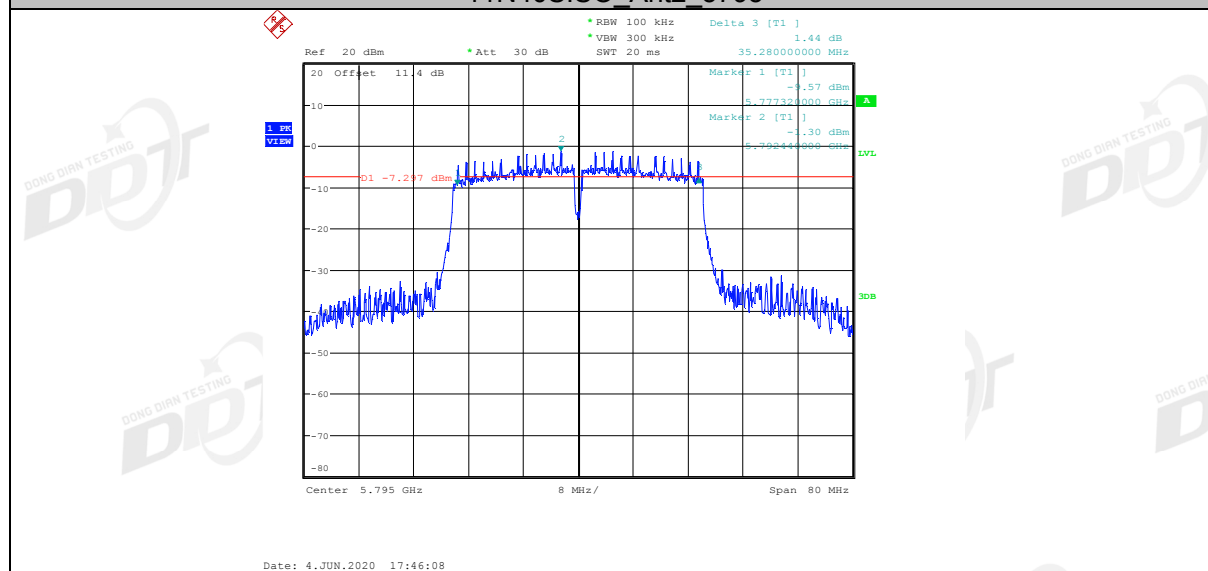
11N40SISO_Ant2_5755



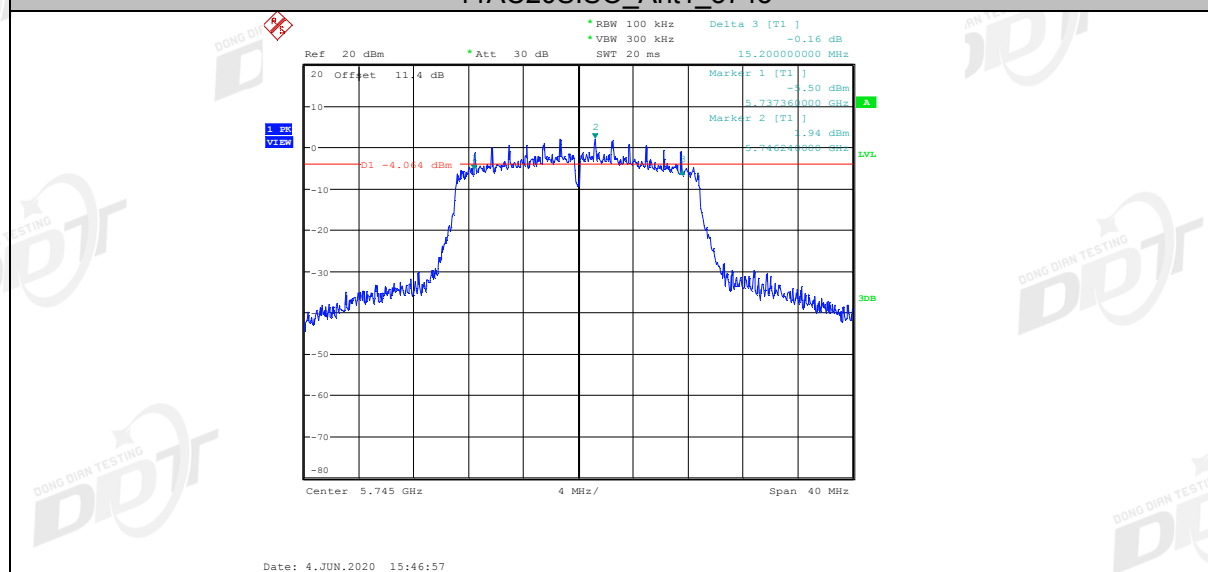
11N40SISO_Ant1_5795



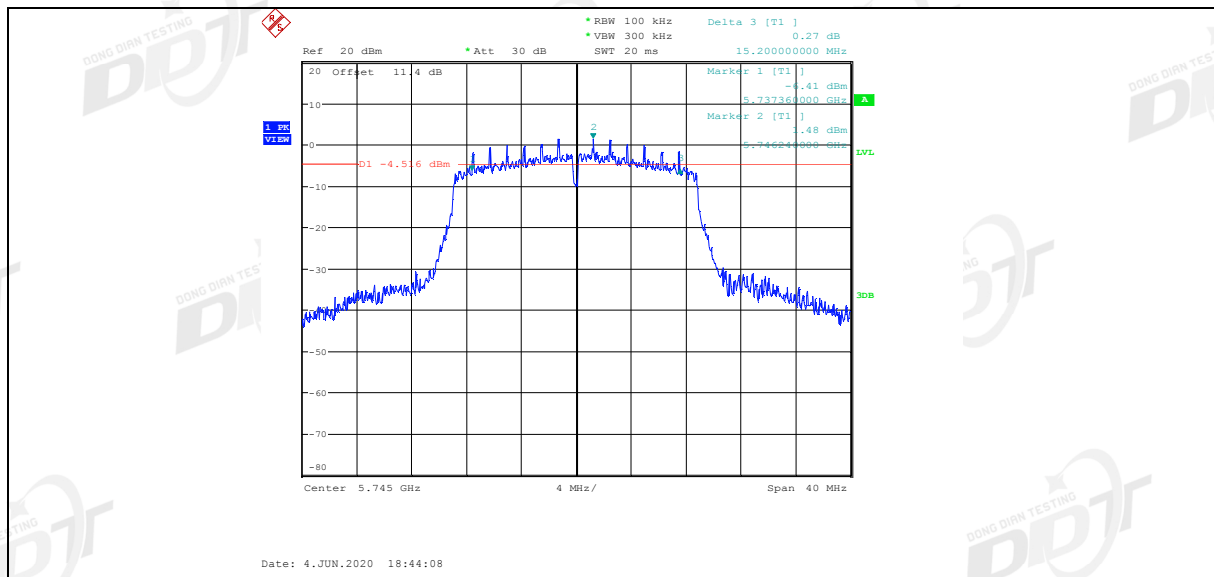
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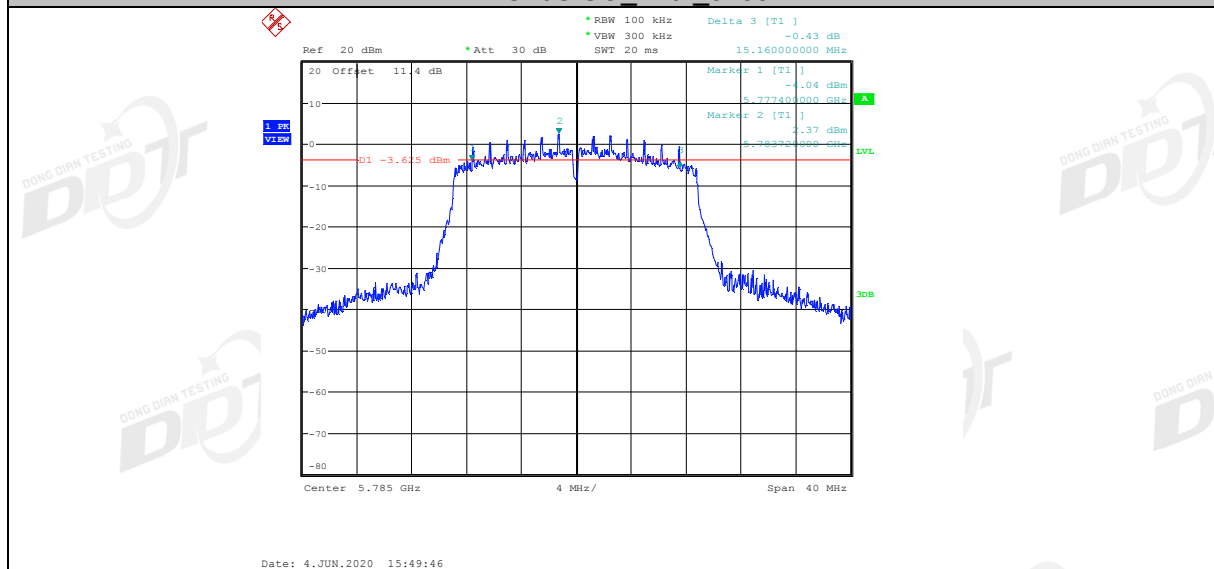
11AC20SISO_Ant1_5745



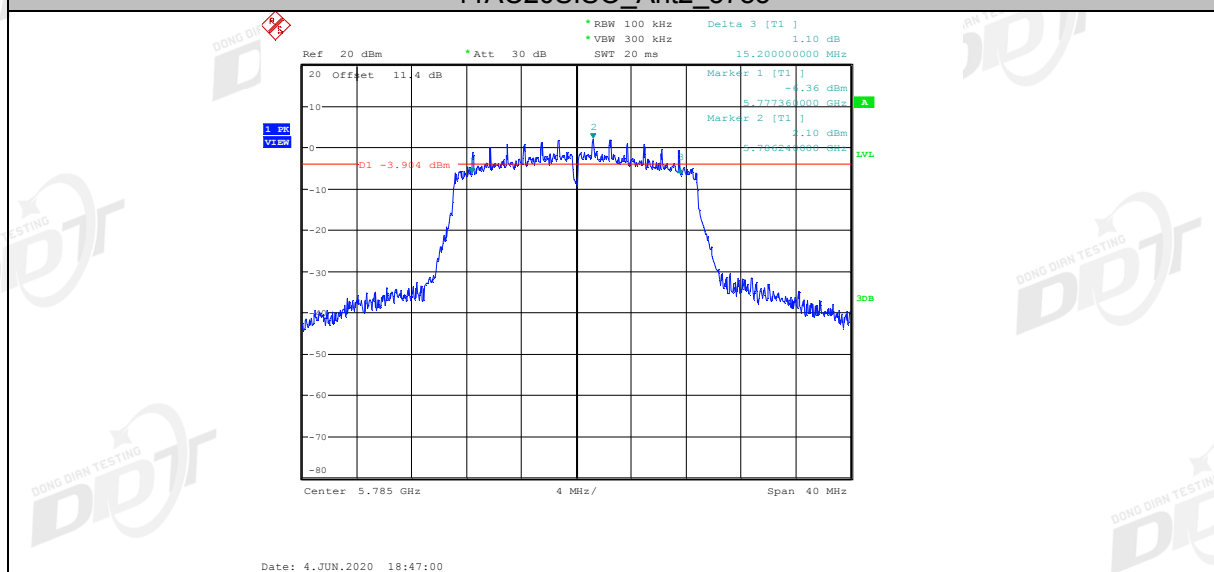
11AC20SISO_Ant2_5745



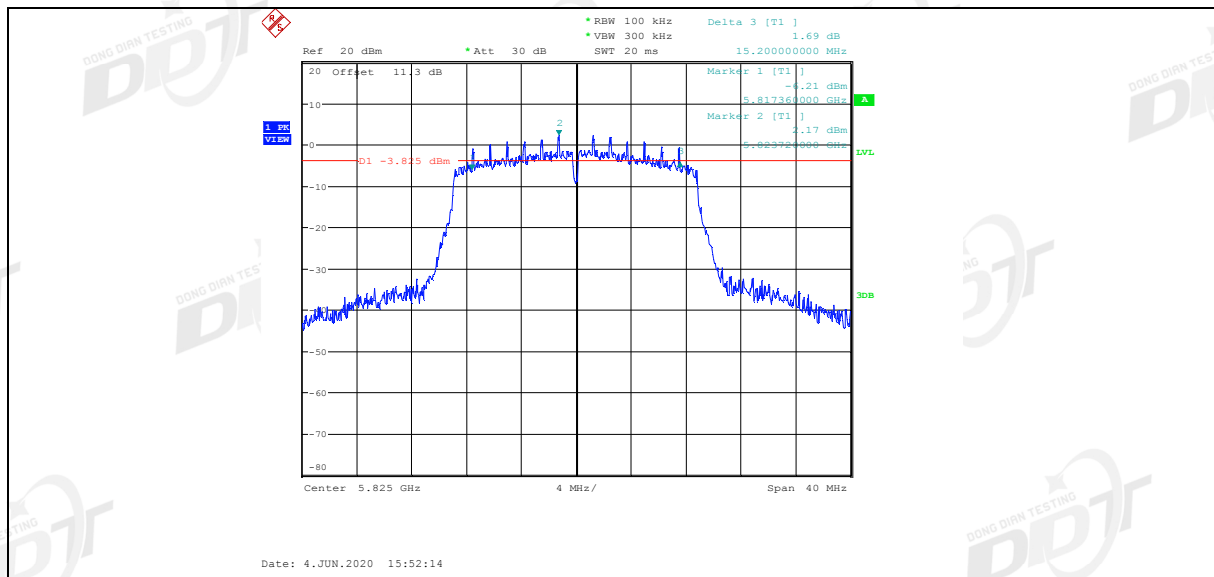
11AC20SISO_Ant1_5785



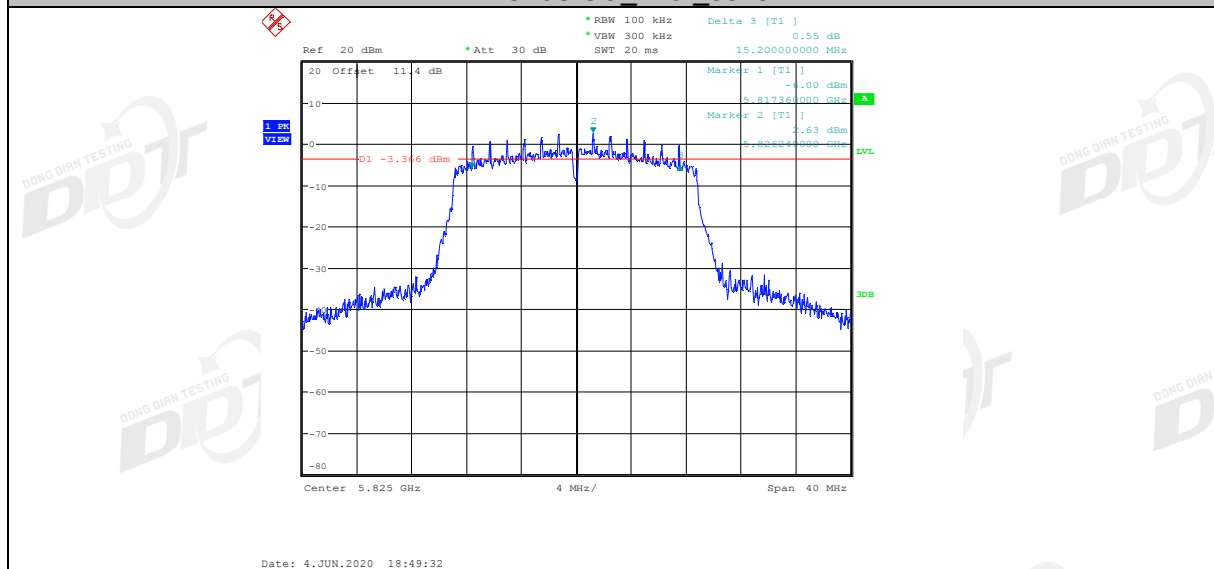
11AC20SISO_Ant2_5785



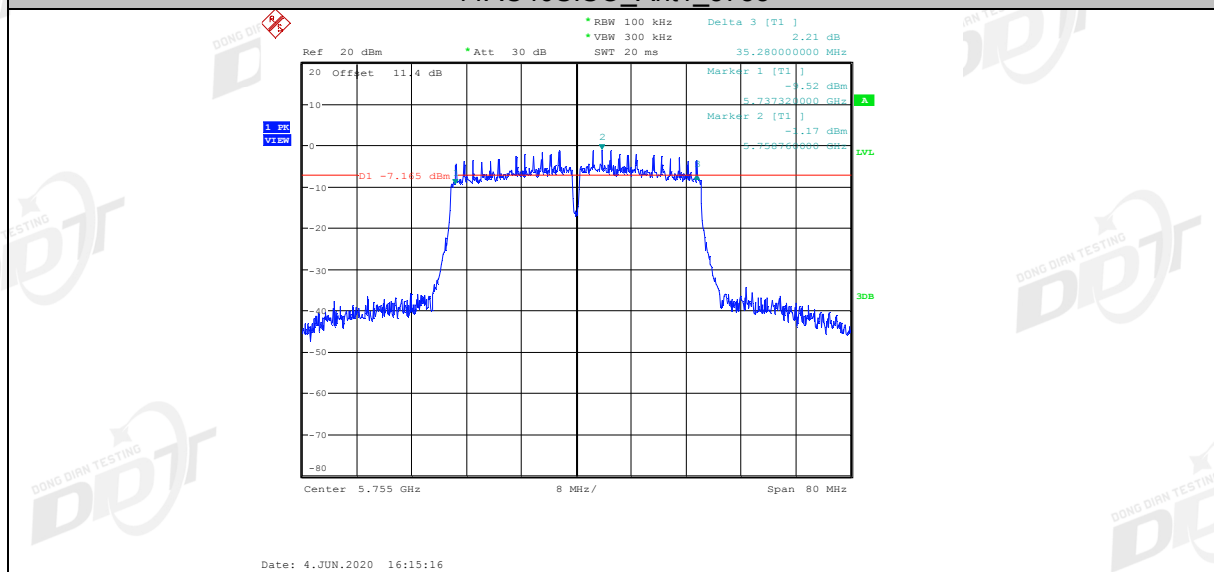
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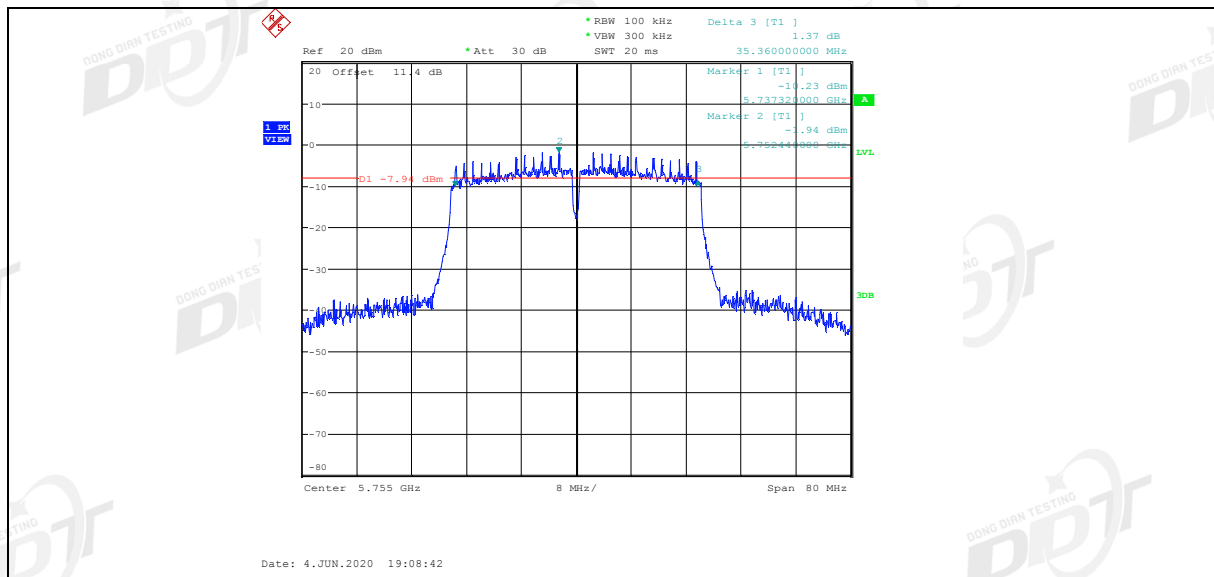
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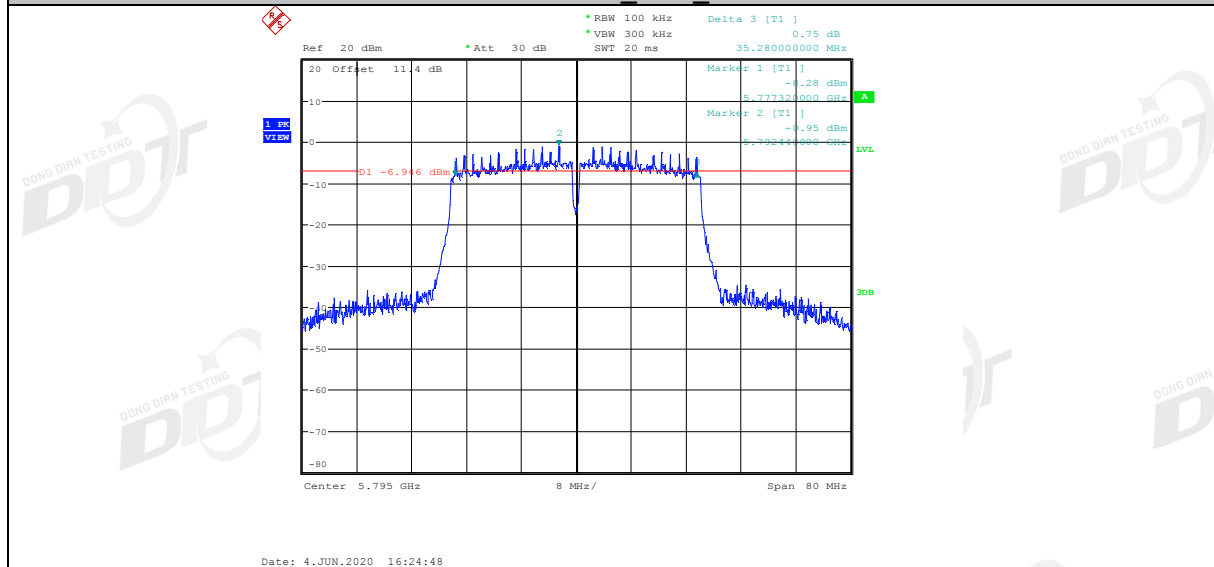
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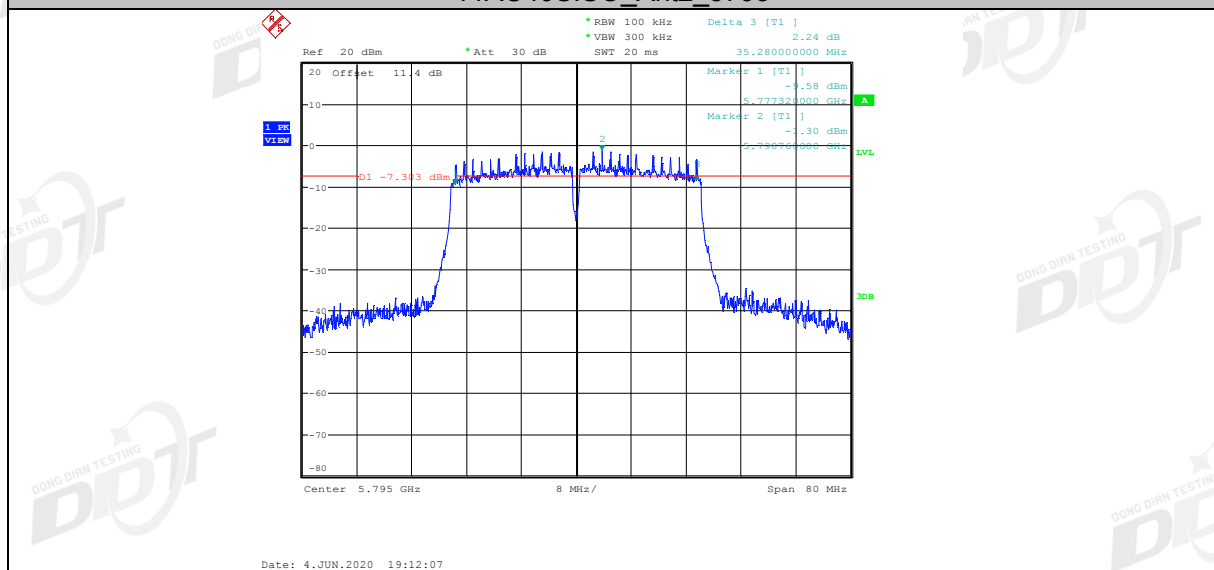
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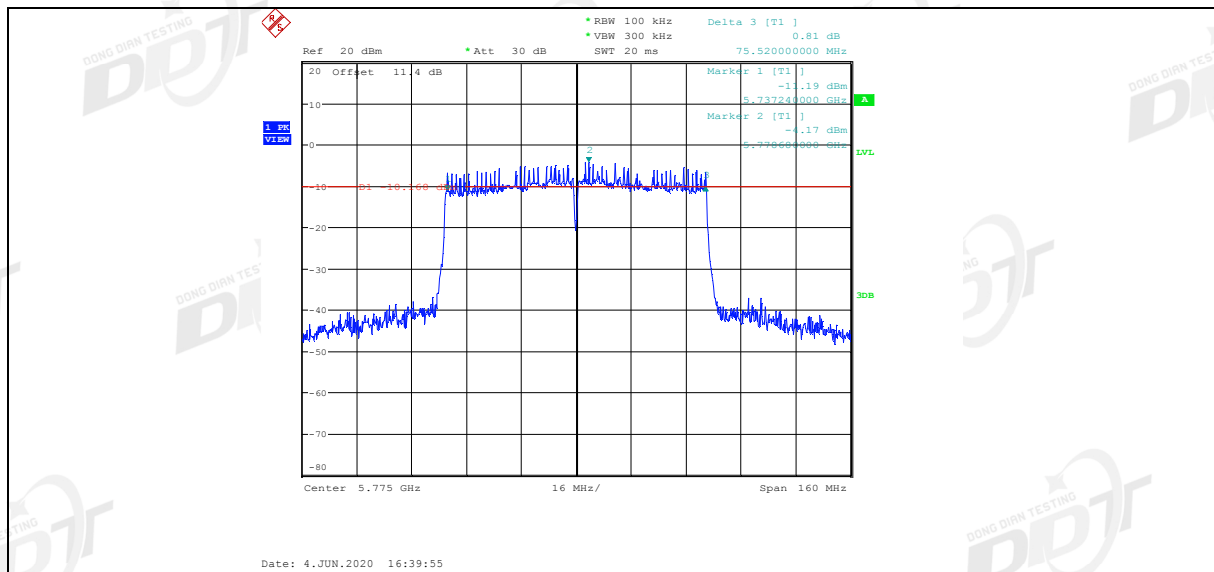
11AC40SISO_Ant1_5795



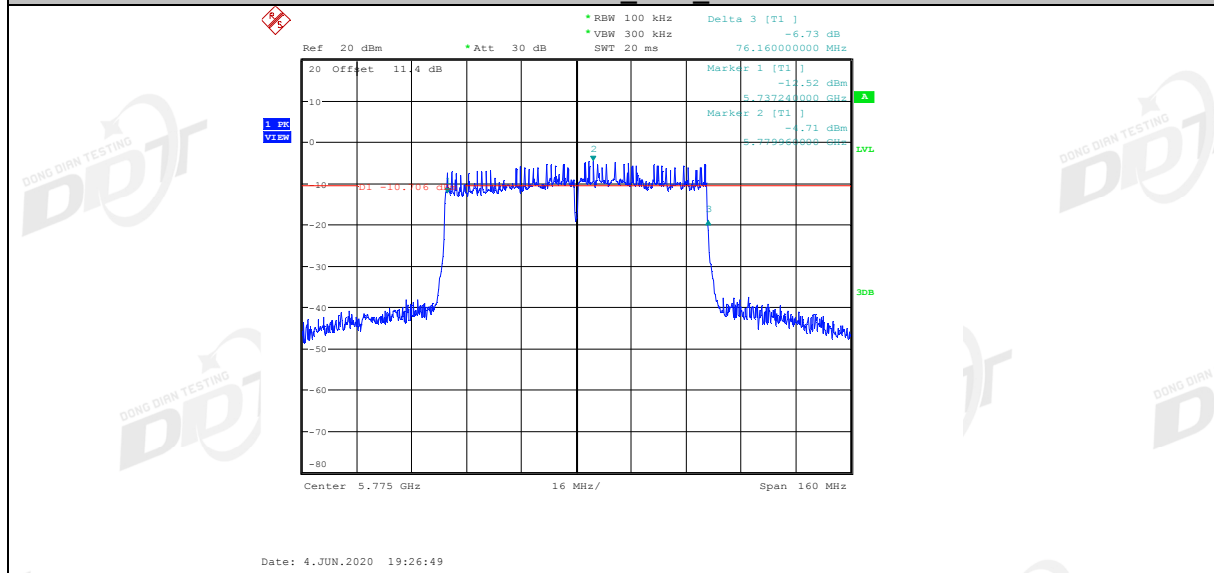
11AC40SISO_Ant2_5795



11AC80SISO_Ant1_5775



11AC80SISO Ant2_5775



5. Maximum Output Power

5.1. Block diagram of test setup

Same as section 4.1

5.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	For FCC client devices: 250 mW (24 dBm)	5150 - 5250
	For FCC: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	5250 - 5350
	For FCC: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	5470 - 5725
	1 Watt (30 dBm)	5725 - 5850
Note: For FCC: B=26 bandwidth.		

5.3. Test procedure

- (1) Connect each EUT's antenna output to Power Sensor by RF cable and attenuator
- (2) Add each antenna port's results to get the total output power of EUT.

5.4. Test result

Test Mode	Ant	Test Channel	Output Power [dBm]	EIRP [dBm]	FCC LIMIT
11A	ANT1	5180	13.88	17.64	24.00
11A	ANT2	5180	14.98	18.23	24.00
11A	ANT1	5200	13.91	17.67	24.00
11A	ANT2	5200	14.99	18.24	24.00
11A	ANT1	5240	14.10	17.86	24.00
11A	ANT2	5240	15.34	18.59	24.00
11A	ANT1	5260	14.06	17.82	24.00
11A	ANT2	5260	15.62	18.87	24.00
11A	ANT1	5300	14.15	17.91	24.00
11A	ANT2	5300	15.80	19.05	24.00
11A	ANT1	5320	14.39	18.15	24.00
11A	ANT2	5320	16.07	19.32	24.00

11A	ANT1	5500	14.14	17.90	24.00
11A	ANT2	5500	15.80	19.05	24.00
11A	ANT1	5580	13.54	17.30	24.00
11A	ANT2	5580	15.15	18.40	24.00
11A	ANT1	5700	11.51	15.27	24.00
11A	ANT2	5700	13.09	16.34	24.00
11A	ANT1	5745	12.17	15.93	30.00
11A	ANT2	5745	13.56	16.81	30.00
11A	ANT1	5785	12.93	16.69	30.00
11A	ANT2	5785	14.25	17.50	30.00
11A	ANT1	5825	13.31	17.07	30.00
11A	ANT2	5825	14.41	17.66	30.00
11N20SISO	ANT1	5180	12.84	16.60	24.00
11N20SISO	ANT2	5180	13.75	17.00	24.00
11N20SISO	ANT1	5200	12.87	16.63	24.00
11N20SISO	ANT2	5200	14.00	17.25	24.00
11N20SISO	ANT1	5240	12.89	16.65	24.00
11N20SISO	ANT2	5240	14.39	17.64	24.00
11N20SISO	ANT1	5260	12.91	16.67	24.00
11N20SISO	ANT2	5260	14.47	17.72	24.00
11N20SISO	ANT1	5300	13.21	16.97	24.00
11N20SISO	ANT2	5300	14.59	17.84	24.00
11N20SISO	ANT1	5320	13.43	17.19	24.00
11N20SISO	ANT2	5320	15.08	18.33	24.00
11N20SISO	ANT1	5500	13.38	17.14	24.00
11N20SISO	ANT2	5500	14.71	17.96	24.00
11N20SISO	ANT1	5580	12.47	16.23	24.00
11N20SISO	ANT2	5580	14.11	17.36	24.00
11N20SISO	ANT1	5700	10.46	14.22	24.00
11N20SISO	ANT2	5700	12.00	15.25	24.00
11N20SISO	ANT1	5745	11.26	15.02	30.00
11N20SISO	ANT2	5745	12.49	15.74	30.00
11N20SISO	ANT1	5785	11.77	15.53	30.00
11N20SISO	ANT2	5785	13.14	16.39	30.00
11N20SISO	ANT1	5825	12.08	15.84	30.00
11N20SISO	ANT2	5825	13.41	16.66	30.00
11N40SISO	ANT1	5190	10.04	13.80	24.00
11N40SISO	ANT2	5190	11.11	14.36	24.00
11N40SISO	ANT1	5230	12.82	16.58	24.00

11N40SISO	ANT2	5230	14.12	17.37	24.00
11N40SISO	ANT1	5270	13.06	16.82	24.00
11N40SISO	ANT2	5270	14.58	17.83	24.00
11N40SISO	ANT1	5310	11.55	15.31	24.00
11N40SISO	ANT2	5310	13.18	16.43	24.00
11N40SISO	ANT1	5510	11.46	15.22	24.00
11N40SISO	ANT2	5510	12.91	16.16	24.00
11N40SISO	ANT1	5550	12.73	16.49	24.00
11N40SISO	ANT2	5550	14.43	17.68	24.00
11N40SISO	ANT1	5670	10.77	14.53	24.00
11N40SISO	ANT2	5670	12.48	15.73	24.00
11N40SISO	ANT1	5755	11.16	14.92	30.00
11N40SISO	ANT2	5755	12.49	15.74	30.00
11N40SISO	ANT1	5795	11.85	15.61	30.00
11N40SISO	ANT2	5795	13.18	16.43	30.00
11AC20SISO	ANT1	5180	12.78	16.54	24.00
11AC20SISO	ANT2	5180	13.85	17.10	24.00
11AC20SISO	ANT1	5200	12.78	16.54	24.00
11AC20SISO	ANT2	5200	13.90	17.15	24.00
11AC20SISO	ANT1	5240	12.99	16.75	24.00
11AC20SISO	ANT2	5240	14.30	17.55	24.00
11AC20SISO	ANT1	5260	13.04	16.80	24.00
11AC20SISO	ANT2	5260	14.61	17.86	24.00
11AC20SISO	ANT1	5280	13.08	16.84	24.00
11AC20SISO	ANT2	5280	14.76	18.01	24.00
11AC20SISO	ANT1	5320	13.44	17.20	24.00
11AC20SISO	ANT2	5320	15.05	18.30	24.00
11AC20SISO	ANT1	5500	13.27	17.03	24.00
11AC20SISO	ANT2	5500	14.68	17.93	24.00
11AC20SISO	ANT1	5580	12.59	16.35	24.00
11AC20SISO	ANT2	5580	14.13	17.38	24.00
11AC20SISO	ANT1	5700	10.53	14.29	24.00
11AC20SISO	ANT2	5700	11.98	15.23	24.00
11AC20SISO	ANT1	5745	11.09	14.85	30.00
11AC20SISO	ANT2	5745	12.46	15.71	30.00
11AC20SISO	ANT1	5785	11.83	15.59	30.00
11AC20SISO	ANT2	5785	13.10	16.35	30.00
11AC20SISO	ANT1	5825	12.12	15.88	30.00
11AC20SISO	ANT2	5825	13.36	16.61	30.00

11AC40SISO	ANT1	5190	10.04	13.80	24.00
11AC40SISO	ANT2	5190	11.09	14.34	24.00
11AC40SISO	ANT1	5230	12.76	16.52	24.00
11AC40SISO	ANT2	5230	14.15	17.40	24.00
11AC40SISO	ANT1	5270	12.94	16.70	24.00
11AC40SISO	ANT2	5270	14.49	17.74	24.00
11AC40SISO	ANT1	5310	11.36	15.12	24.00
11AC40SISO	ANT2	5310	13.05	16.30	24.00
11AC40SISO	ANT1	5510	11.44	15.20	24.00
11AC40SISO	ANT2	5510	12.79	16.04	24.00
11AC40SISO	ANT1	5550	12.81	16.57	24.00
11AC40SISO	ANT2	5550	14.45	17.70	24.00
11AC40SISO	ANT1	5670	10.67	14.43	24.00
11AC40SISO	ANT2	5670	12.48	15.73	24.00
11AC40SISO	ANT1	5755	11.19	14.95	30.00
11AC40SISO	ANT2	5755	12.50	15.75	30.00
11AC40SISO	ANT1	5795	11.87	15.63	30.00
11AC40SISO	ANT2	5795	13.15	16.40	30.00
11AC80SISO	ANT1	5210	8.36	12.12	24.00
11AC80SISO	ANT2	5210	9.42	12.67	24.00
11AC80SISO	ANT1	5290	9.49	13.25	24.00
11AC80SISO	ANT2	5290	11.11	14.36	24.00
11AC80SISO	ANT1	5530	8.52	12.28	24.00
11AC80SISO	ANT2	5530	10.08	13.33	24.00
11AC80SISO	ANT1	5610	10.73	14.49	30.00
11AC80SISO	ANT2	5610	12.43	15.68	30.00
11AC80SISO	ANT1	5775	10.69	14.45	30.00
11AC80SISO	ANT2	5775	12.02	15.27	30.00

6. Power Spectral Density

6.1. Block diagram of test setup

Same with 4.1

6.2. Limits

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

6.3. Test procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1 MHz RBW and 3 MHz 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	1 MHz
VBW	$\geq 3 \times \text{RBW}$
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	$\geq 3 \times \text{RBW}$
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=1 MHz is to be added with $10\log(500\text{kHz}/1\text{MHz})$ 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]	Limit [dBm/MHz]	Verdict
11A	ANT1	5180	6.12	11	PASS
11A	ANT2	5180	5.30	11	PASS
11A	ANT1	5200	5.76	11	PASS
11A	ANT2	5200	4.59	11	PASS
11A	ANT1	5240	5.73	11	PASS
11A	ANT2	5240	5.21	11	PASS
11N20SISO	ANT1	5180	5.34	11	PASS
11N20SISO	ANT2	5180	4.53	11	PASS
11N20SISO	ANT1	5200	5.00	11	PASS
11N20SISO	ANT2	5200	3.74	11	PASS
11N20SISO	ANT1	5240	5.05	11	PASS
11N20SISO	ANT2	5240	4.25	11	PASS
11N40SISO	ANT1	5190	-1.24	11	PASS
11N40SISO	ANT2	5190	-2.10	11	PASS
11N40SISO	ANT1	5230	1.35	11	PASS
11N40SISO	ANT2	5230	0.53	11	PASS
11AC20SISO	ANT1	5180	4.83	11	PASS
11AC20SISO	ANT2	5180	4.03	11	PASS
11AC20SISO	ANT1	5200	4.70	11	PASS
11AC20SISO	ANT2	5200	3.63	11	PASS
11AC20SISO	ANT1	5240	4.69	11	PASS
11AC20SISO	ANT2	5240	3.80	11	PASS
11AC40SISO	ANT1	5190	-1.18	11	PASS
11AC40SISO	ANT2	5190	-1.85	11	PASS
11AC40SISO	ANT1	5230	1.14	11	PASS
11AC40SISO	ANT2	5230	0.60	11	PASS
11AC80SISO	ANT1	5210	-4.98	11	PASS
11AC80SISO	ANT2	5210	-5.76	11	PASS

(5250 - 5350, 5470 - 5725)

Test Mode	Ant	Test Channel	PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	ANT1	5260	5.56	11	PASS
11A	ANT2	5260	5.72	11	PASS
11A	ANT1	5280	5.77	11	PASS
11A	ANT2	5280	6.26	11	PASS
11A	ANT1	5320	6.63	11	PASS
11A	ANT2	5320	6.60	11	PASS
11A	ANT1	5500	6.67	11	PASS
11A	ANT2	5500	6.66	11	PASS
11A	ANT1	5580	5.59	11	PASS
11A	ANT2	5580	5.32	11	PASS
11A	ANT1	5700	3.59	11	PASS
11A	ANT2	5700	3.31	11	PASS
11N20SISO	ANT1	5260	4.47	11	PASS
11N20SISO	ANT2	5260	4.53	11	PASS
11N20SISO	ANT1	5280	5.05	11	PASS
11N20SISO	ANT2	5280	4.94	11	PASS
11N20SISO	ANT1	5320	6.05	11	PASS
11N20SISO	ANT2	5320	5.64	11	PASS
11N20SISO	ANT1	5500	5.78	11	PASS
11N20SISO	ANT2	5500	5.52	11	PASS
11N20SISO	ANT1	5580	4.64	11	PASS
11N20SISO	ANT2	5580	4.41	11	PASS
11N20SISO	ANT1	5700	2.50	11	PASS
11N20SISO	ANT2	5700	2.31	11	PASS
11N40SISO	ANT1	5270	1.24	11	PASS
11N40SISO	ANT2	5270	1.10	11	PASS
11N40SISO	ANT1	5310	0.28	11	PASS
11N40SISO	ANT2	5310	-0.05	11	PASS
11N40SISO	ANT1	5510	0.46	11	PASS
11N40SISO	ANT2	5510	-0.09	11	PASS
11N40SISO	ANT1	5550	1.69	11	PASS
11N40SISO	ANT2	5550	1.25	11	PASS
11N40SISO	ANT1	5670	-0.83	11	PASS
11N40SISO	ANT2	5670	-0.78	11	PASS
11AC20SISO	ANT1	5260	4.42	11	PASS
11AC20SISO	ANT2	5260	4.45	11	PASS

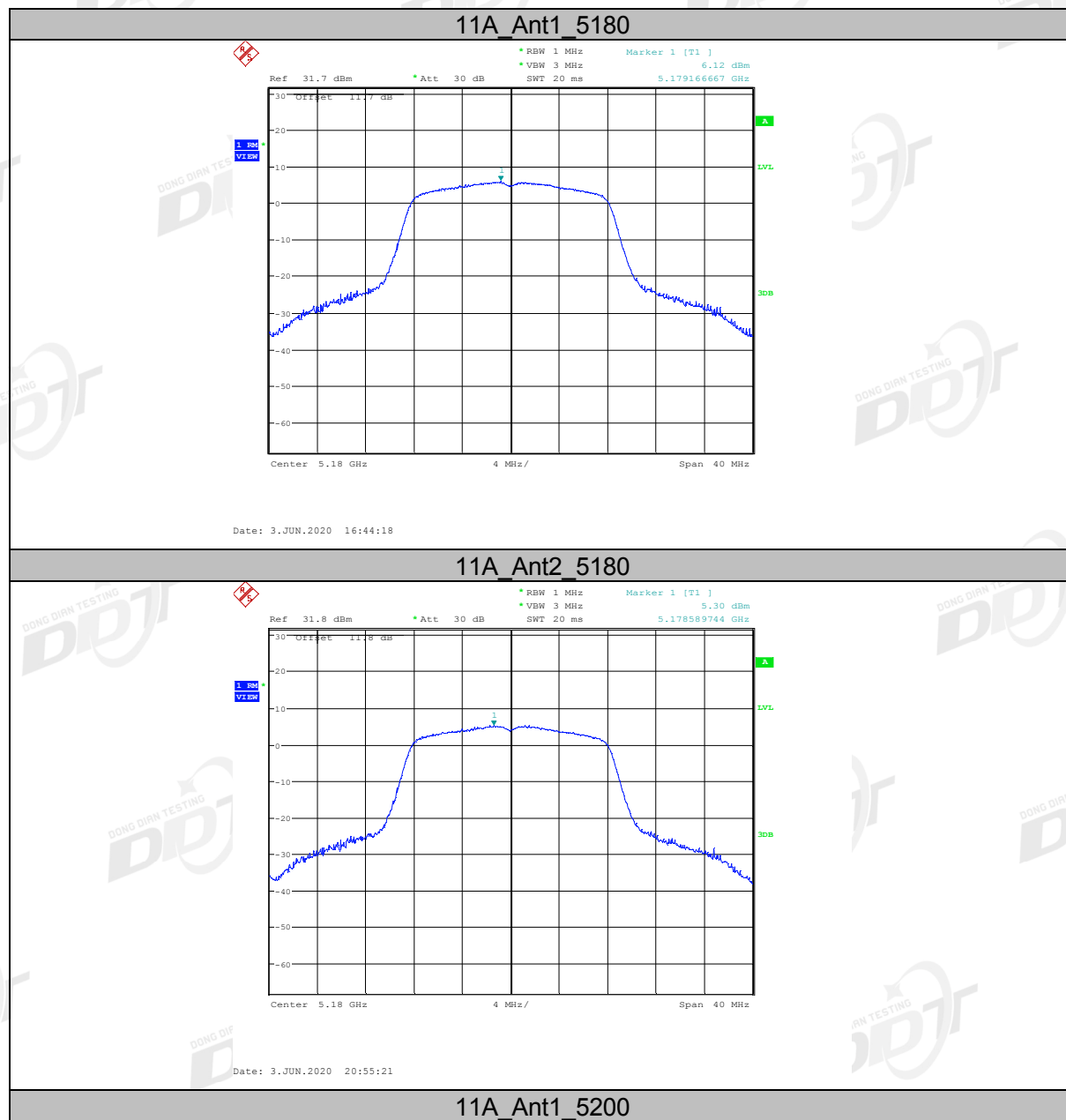
11AC20SISO	ANT1	5280	4.65	11	PASS
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11AC20SISO	ANT2	5320	5.37	11	PASS
11AC20SISO	ANT1	5500	5.46	11	PASS
11AC20SISO	ANT2	5500	5.13	11	PASS
11AC20SISO	ANT1	5580	4.53	11	PASS
11AC20SISO	ANT2	5580	4.18	11	PASS
11AC20SISO	ANT1	5700	2.35	11	PASS
11AC20SISO	ANT2	5700	2.06	11	PASS
11AC40SISO	ANT1	5270	1.22	11	PASS
11AC40SISO	ANT2	5270	1.40	11	PASS
11AC40SISO	ANT1	5310	0.08	11	PASS
11AC40SISO	ANT2	5310	0.01	11	PASS
11AC40SISO	ANT1	5510	0.21	11	PASS
11AC40SISO	ANT2	5510	0.00	11	PASS
11AC40SISO	ANT1	5550	1.64	11	PASS
11AC40SISO	ANT2	5550	1.39	11	PASS
11AC40SISO	ANT1	5670	-0.54	11	PASS
11AC40SISO	ANT2	5670	-0.40	11	PASS
11AC80SISO	ANT1	5290	-4.57	11	PASS
11AC80SISO	ANT2	5290	-3.88	11	PASS
11AC80SISO	ANT1	5530	-4.67	11	PASS
11AC80SISO	ANT2	5530	-4.90	11	PASS
11AC80SISO	ANT1	5610	-3.02	11	PASS
11AC80SISO	ANT2	5610	-3.04	11	PASS

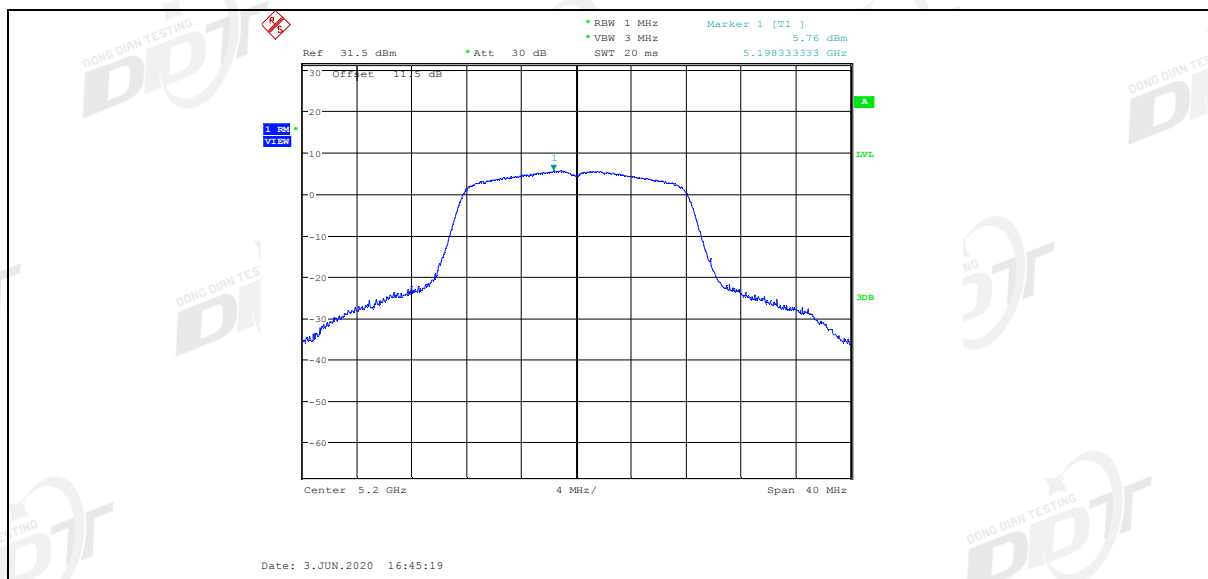
(5725 - 5850)

Test Mode	Ant	Test Channel	PSD [dBm/500kHz]	Limit [dBm/500kHz]	Verdict
11A	ANT1	5745	2.22	30	PASS
11A	ANT2	5745	1.13	30	PASS
11A	ANT1	5785	3.17	30	PASS
11A	ANT2	5785	2.49	30	PASS
11A	ANT1	5825	3.01	30	PASS
11A	ANT2	5825	3.07	30	PASS
11N20SISO	ANT1	5745	1.50	30	PASS
11N20SISO	ANT2	5745	0.73	30	PASS

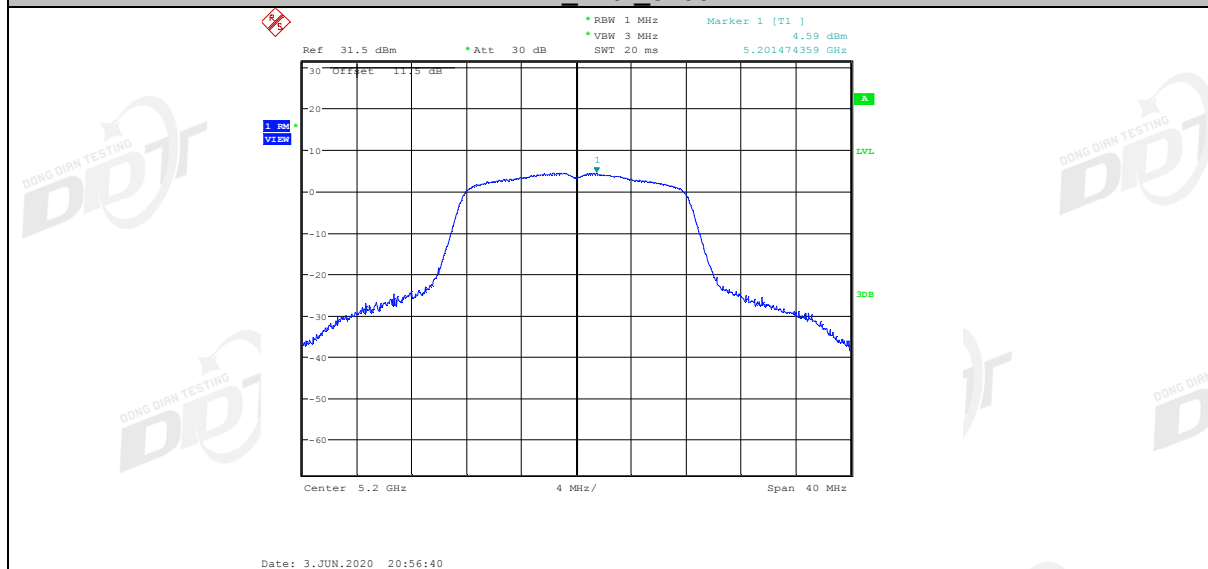
11N20SISO	ANT1	5785	2.45	30	PASS
11N20SISO	ANT2	5785	1.42	30	PASS
11N20SISO	ANT1	5825	2.05	30	PASS
11N20SISO	ANT2	5825	1.78	30	PASS
11N40SISO	ANT1	5755	-2.11	30	PASS
11N40SISO	ANT2	5755	-2.84	30	PASS
11N40SISO	ANT1	5795	-1.49	30	PASS
11N40SISO	ANT2	5795	-2.46	30	PASS
11AC20SISO	ANT1	5745	1.42	30	PASS
11AC20SISO	ANT2	5745	0.38	30	PASS
11AC20SISO	ANT1	5785	1.94	30	PASS
11AC20SISO	ANT2	5785	1.73	30	PASS
11AC20SISO	ANT1	5825	1.60	30	PASS
11AC20SISO	ANT2	5825	1.59	30	PASS
11AC40SISO	ANT1	5755	-1.84	30	PASS
11AC40SISO	ANT2	5755	-2.80	30	PASS
11AC40SISO	ANT1	5795	-1.83	30	PASS
11AC40SISO	ANT2	5795	-2.17	30	PASS
11AC80SISO	ANT1	5775	-4.45	30	PASS
11AC80SISO	ANT2	5775	-5.04	30	PASS

6.5. Original test data

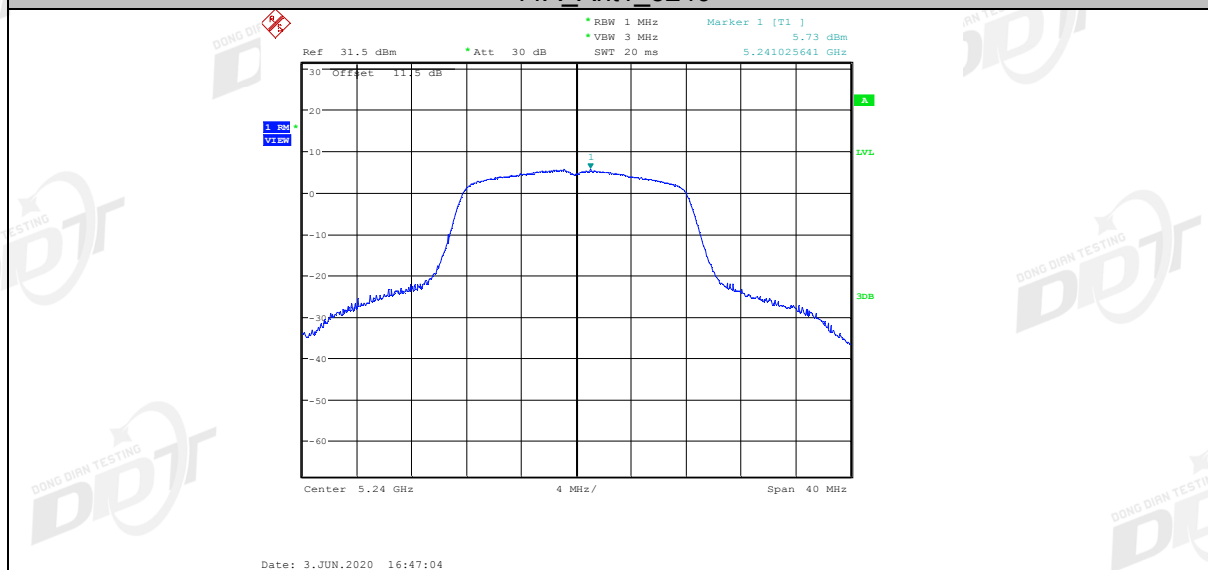




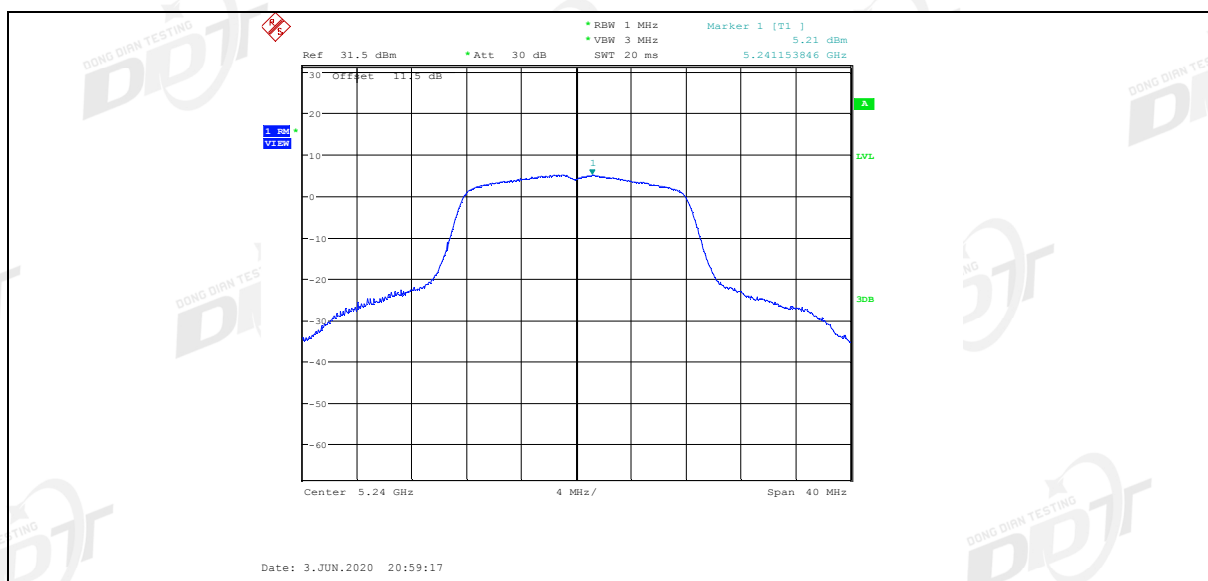
11A_Ant2_5200



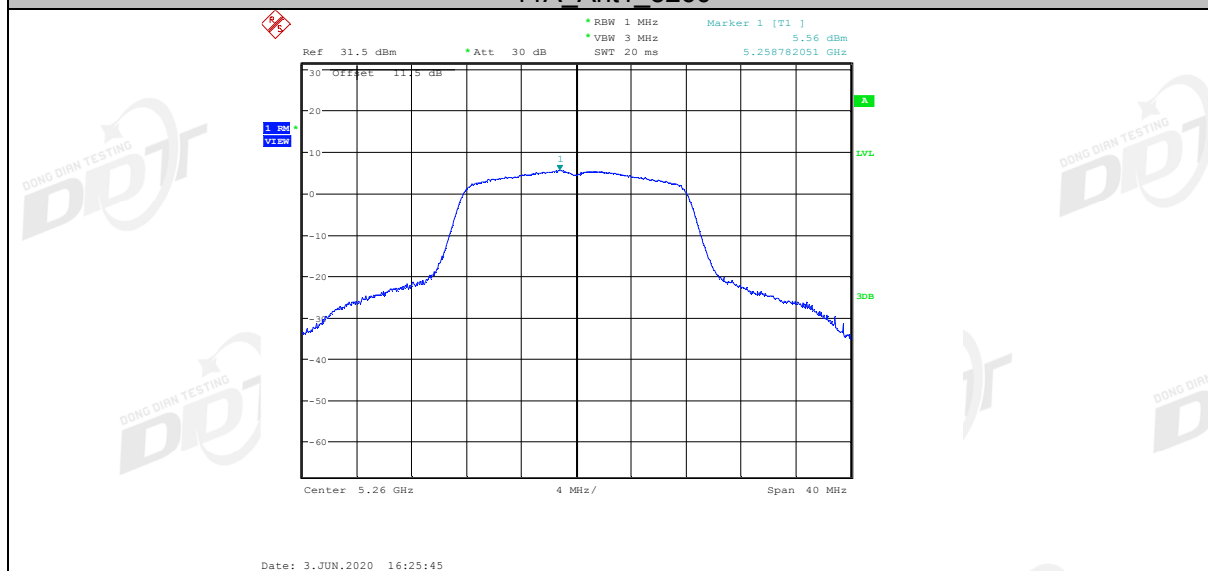
11A_Ant1_5240



11A_Ant2_5240



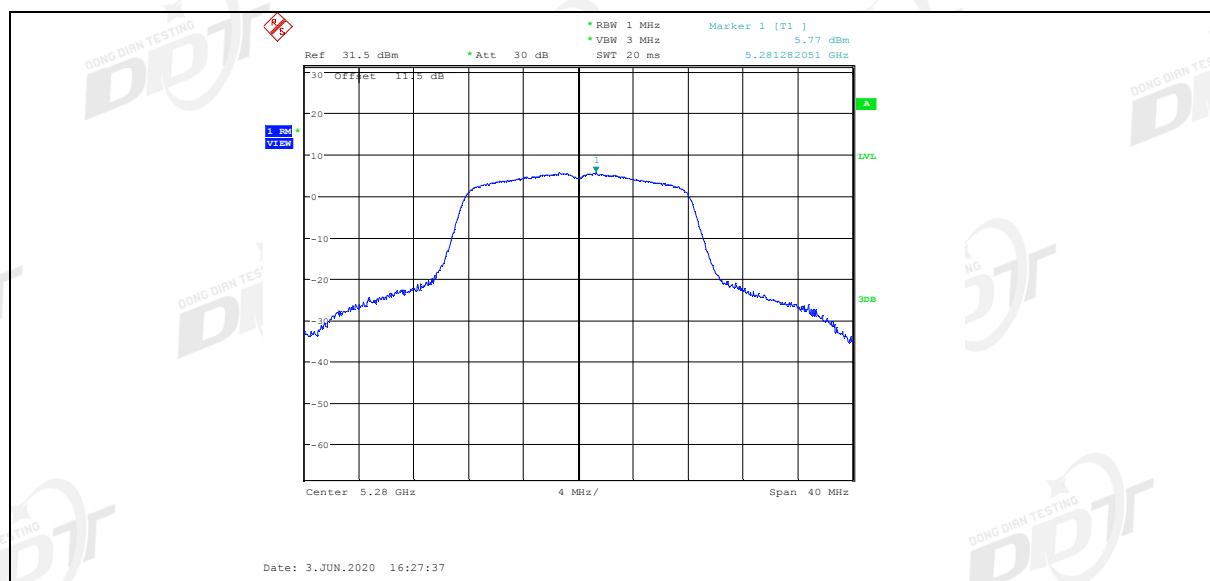
11A_Ant1_5260



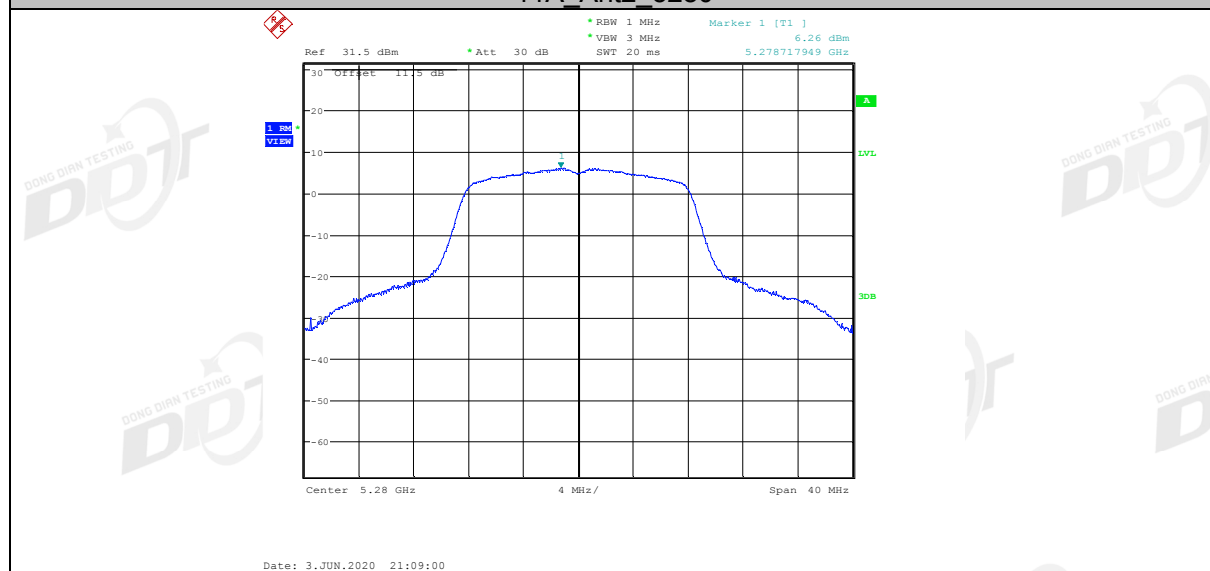
11A_Ant2_5260



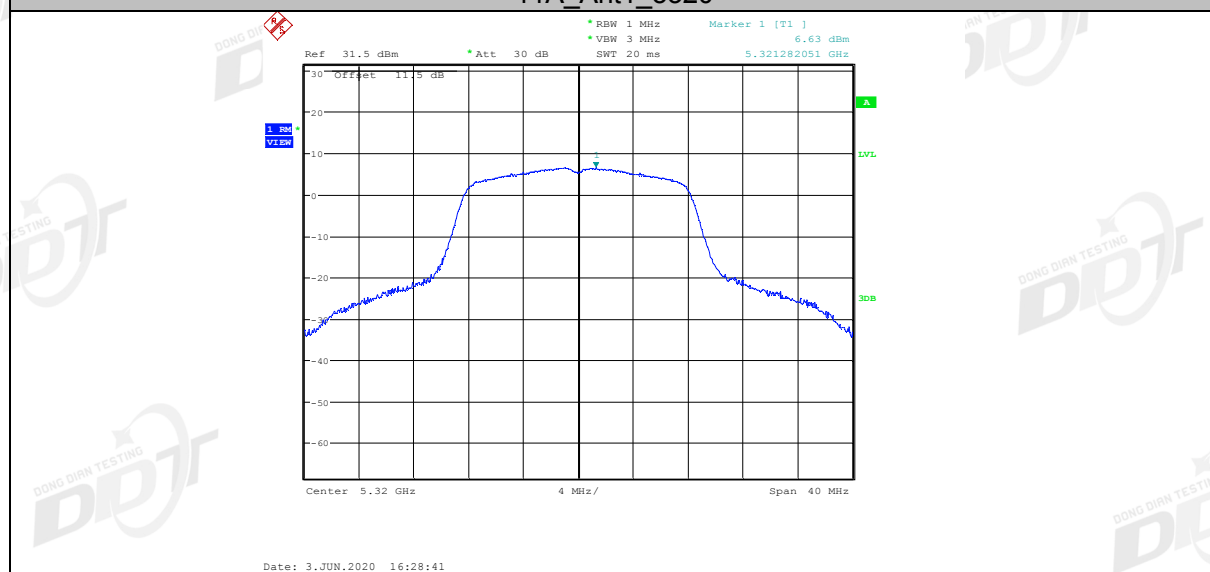
11A_Ant1_5280



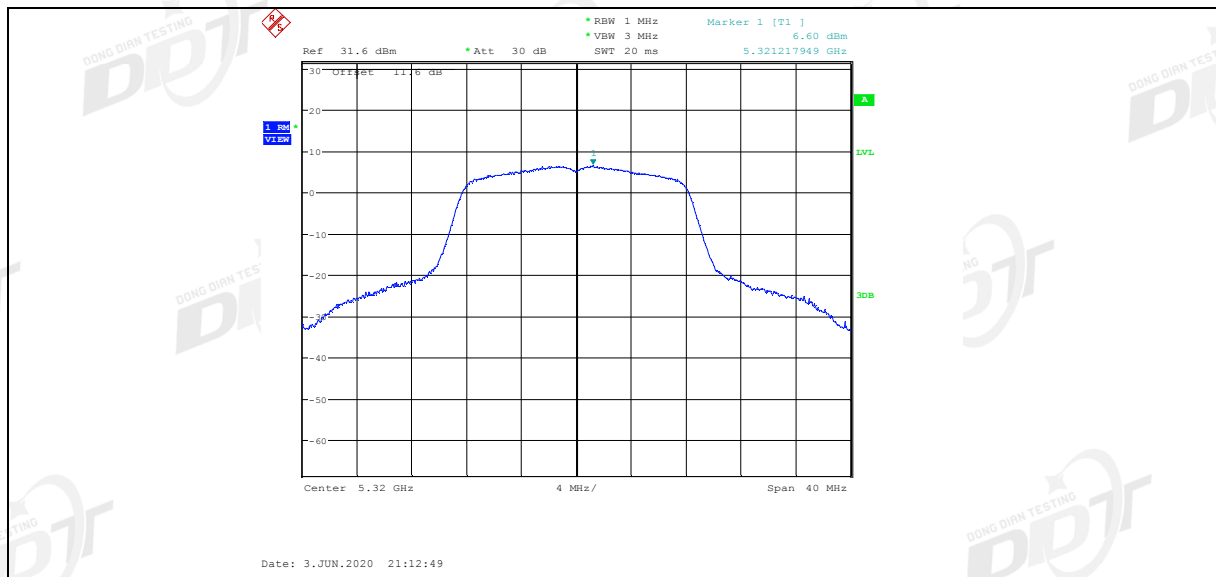
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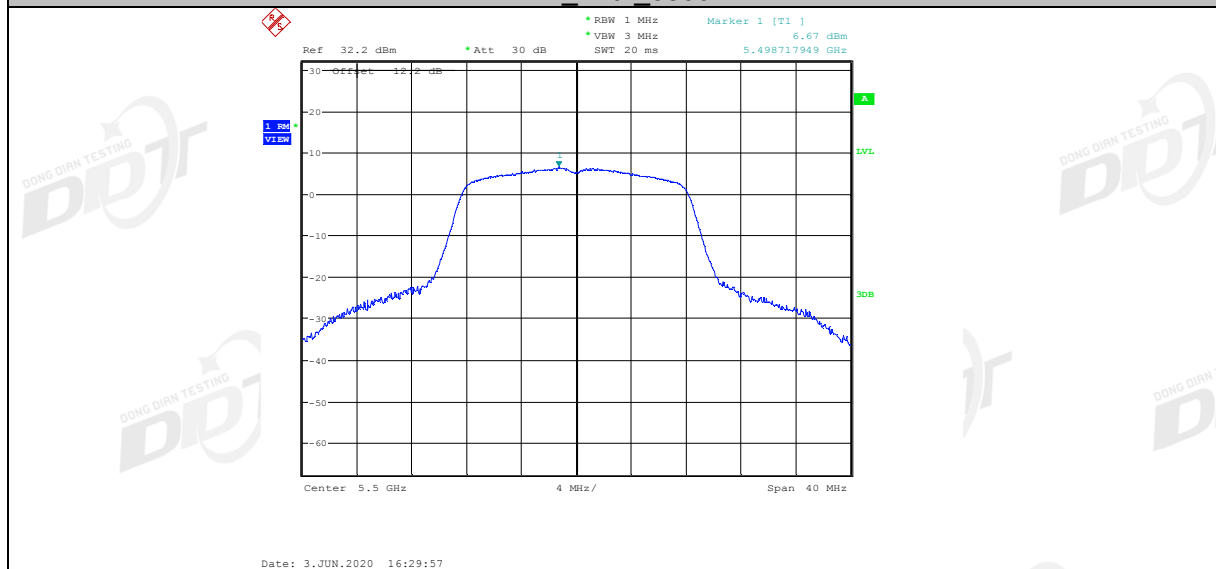
11A_Ant1_5320



11A_Ant2_5320



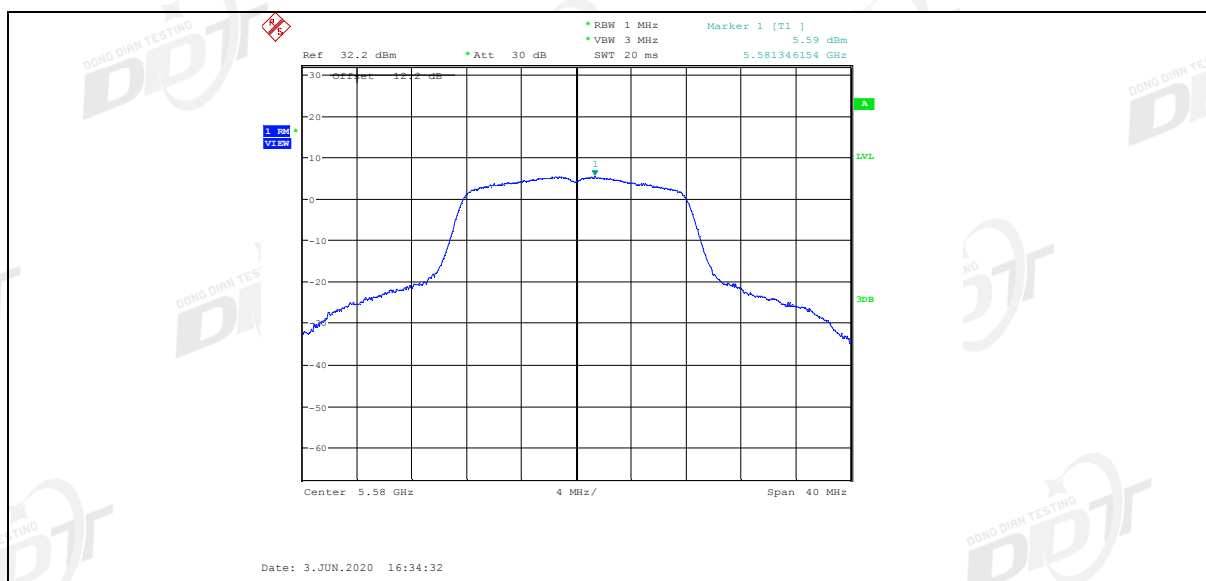
11A_Ant1_5500



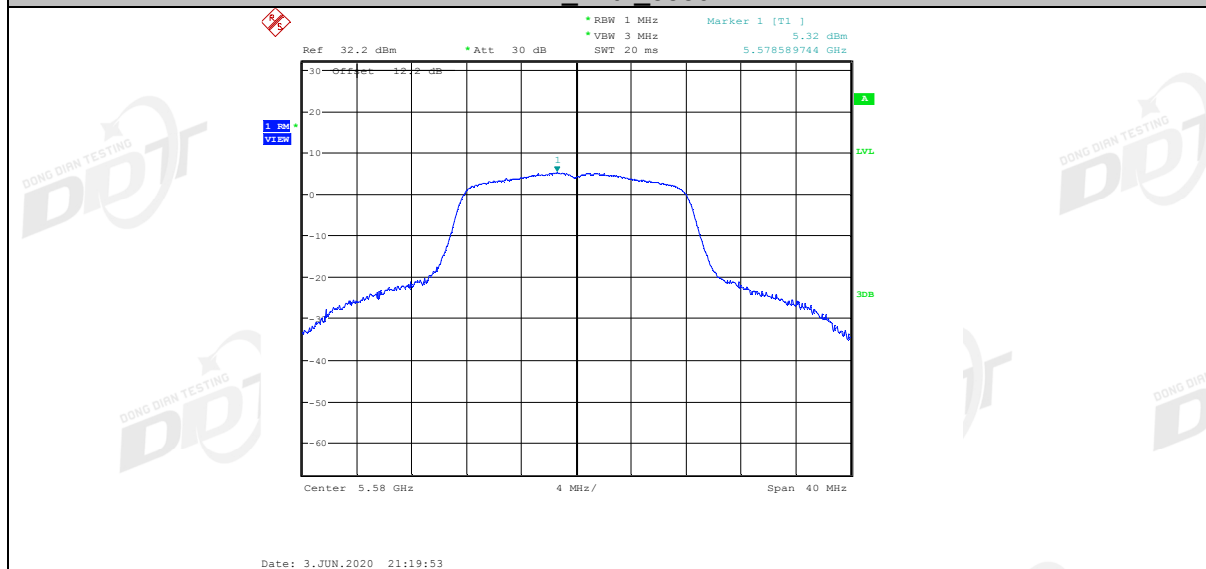
11A_Ant2_5500



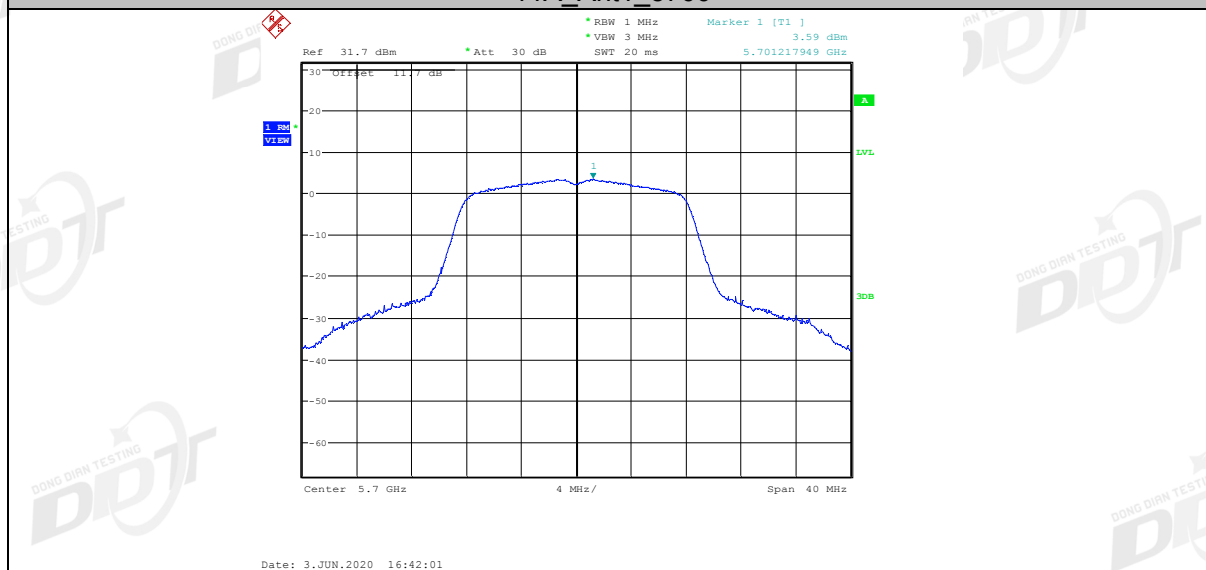
11A_Ant1_5580



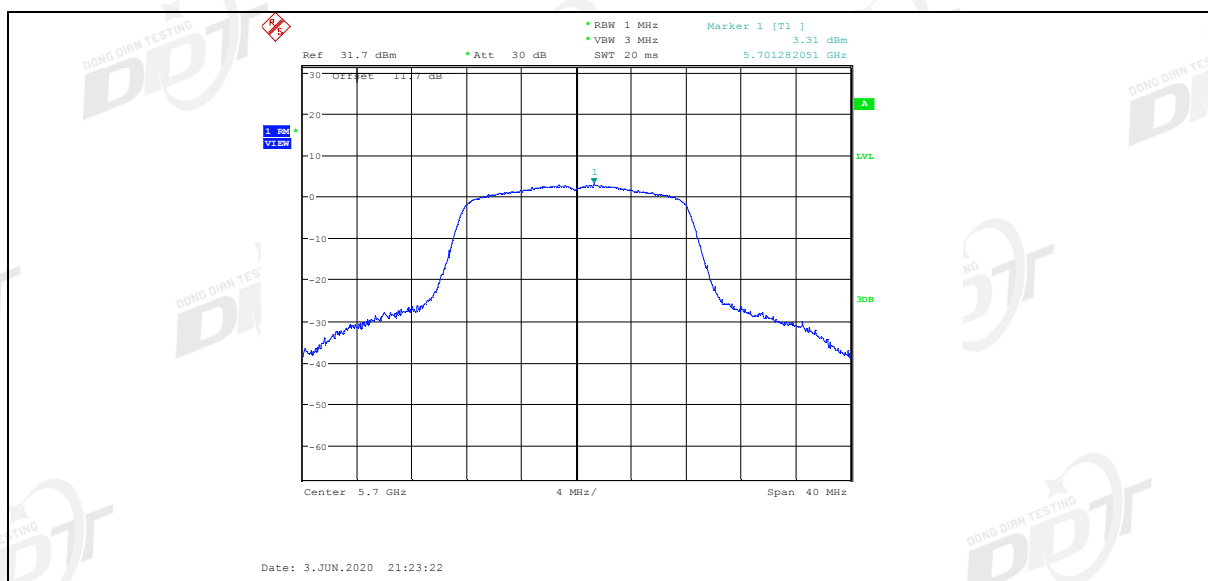
11A_Ant2_5580



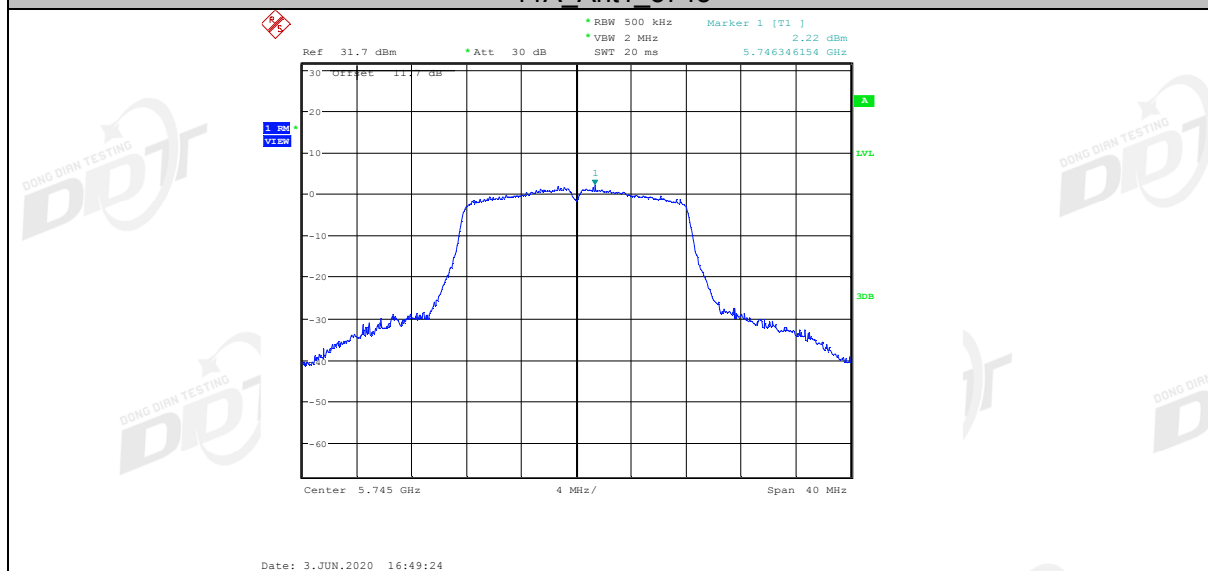
11A_Ant1_5700



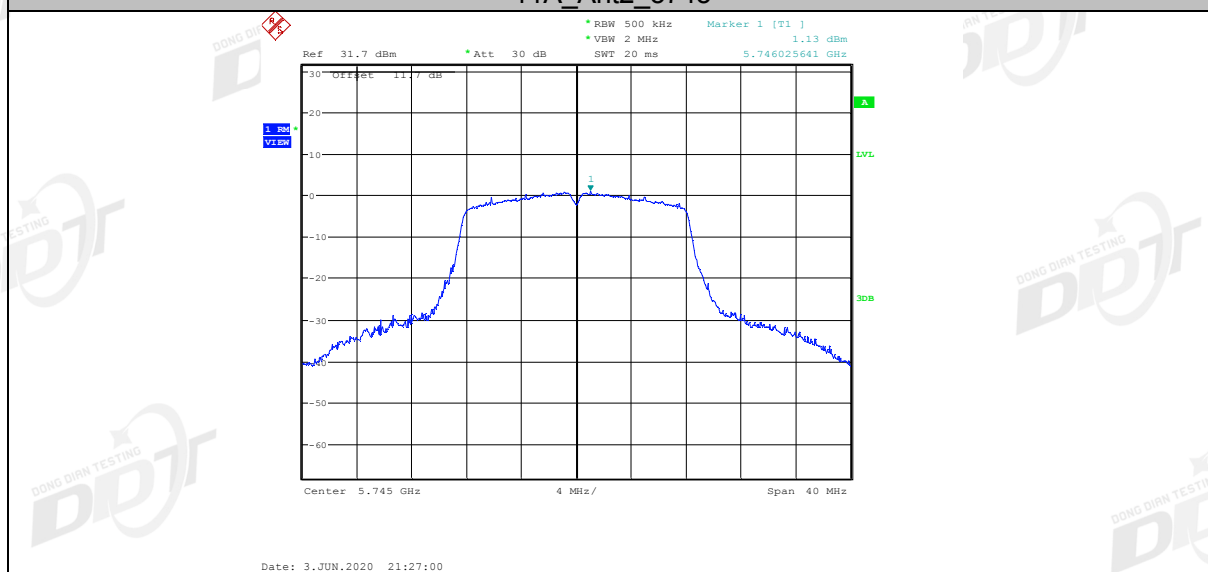
11A_Ant2_5700



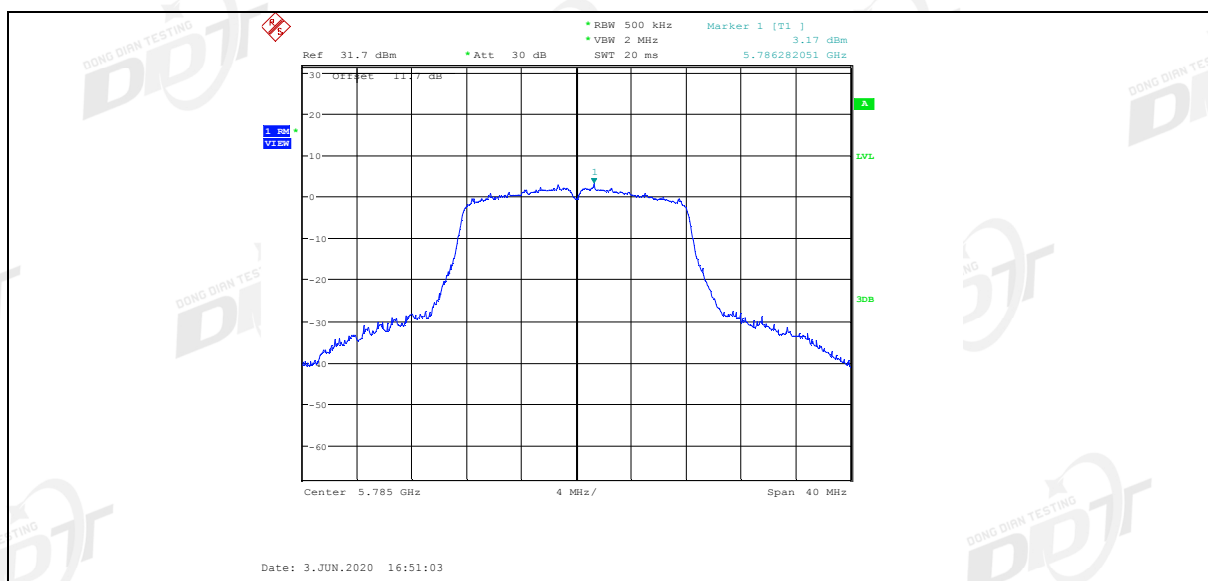
11A_Ant1_5745



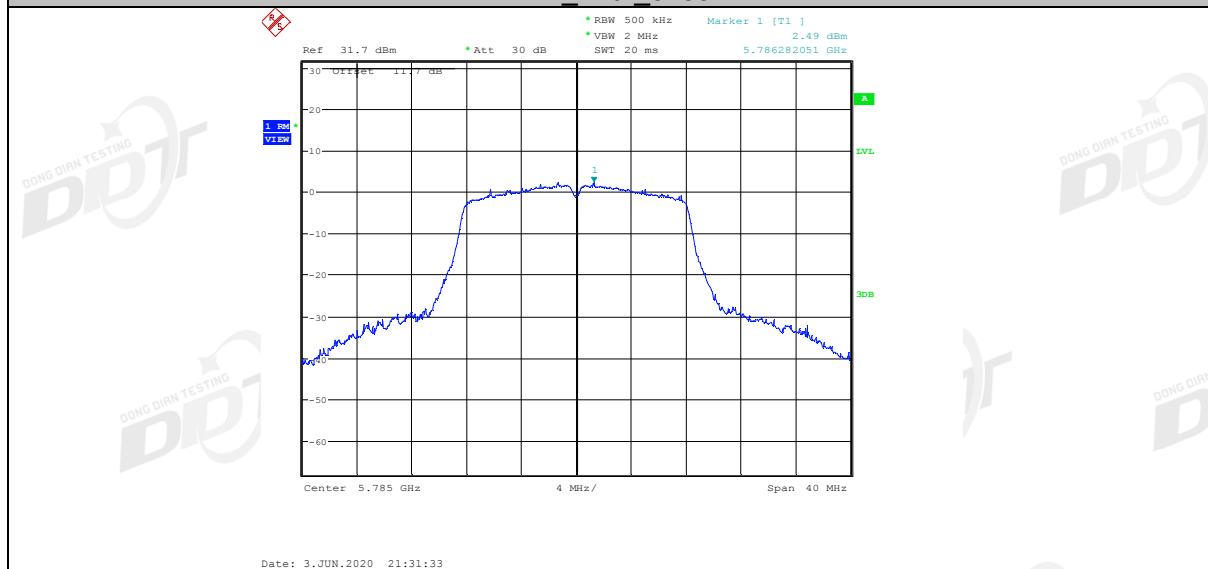
11A_Ant2_5745



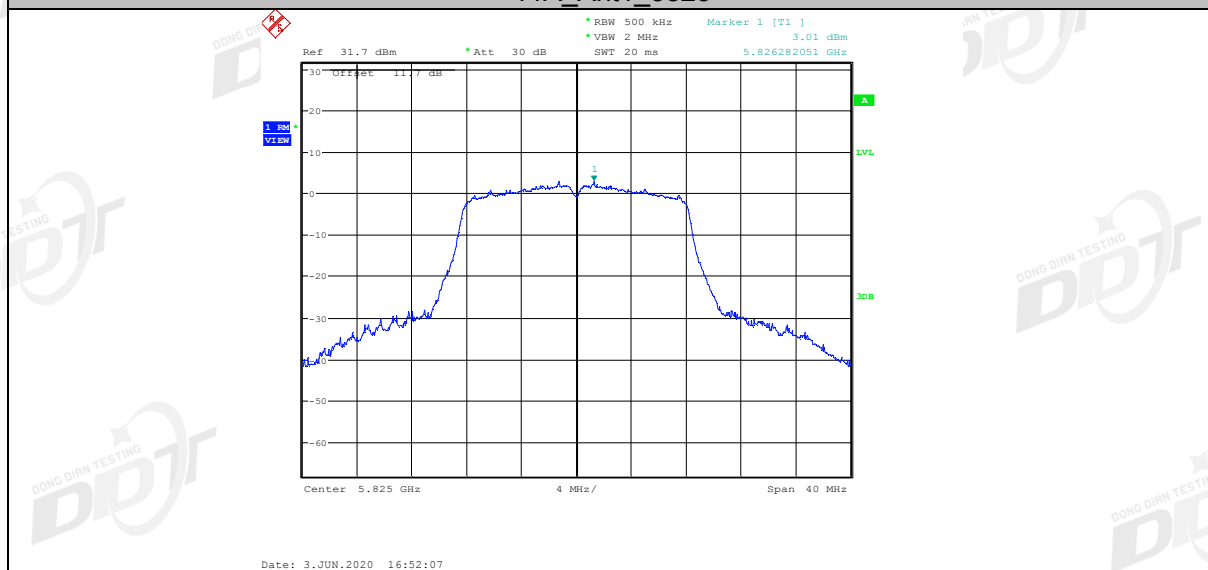
11A_Ant1_5785



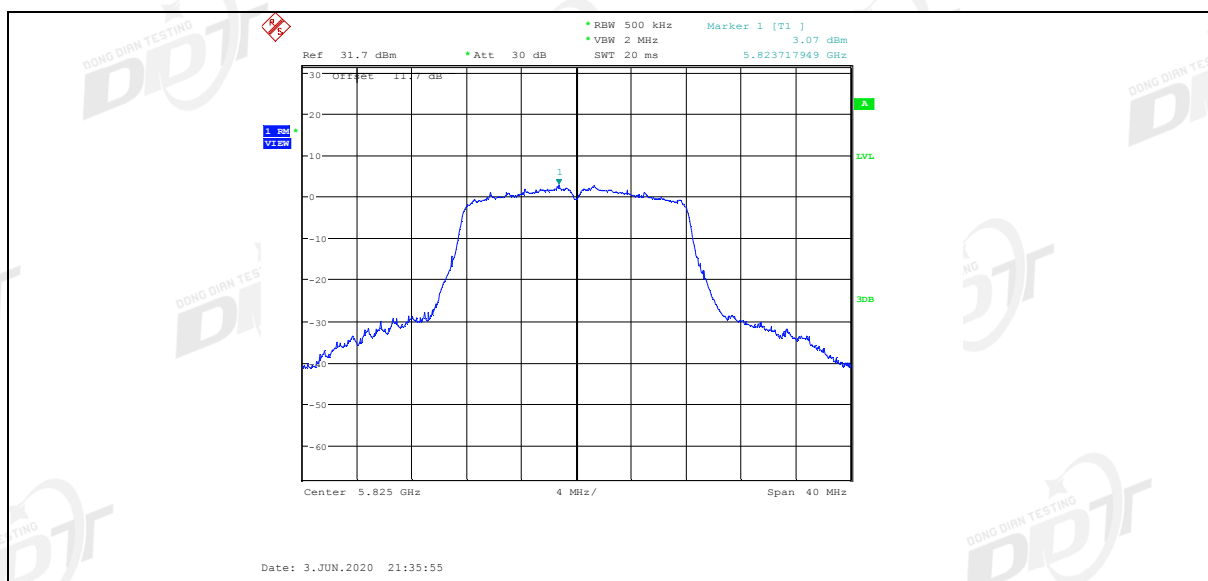
11A_Ant2_5785



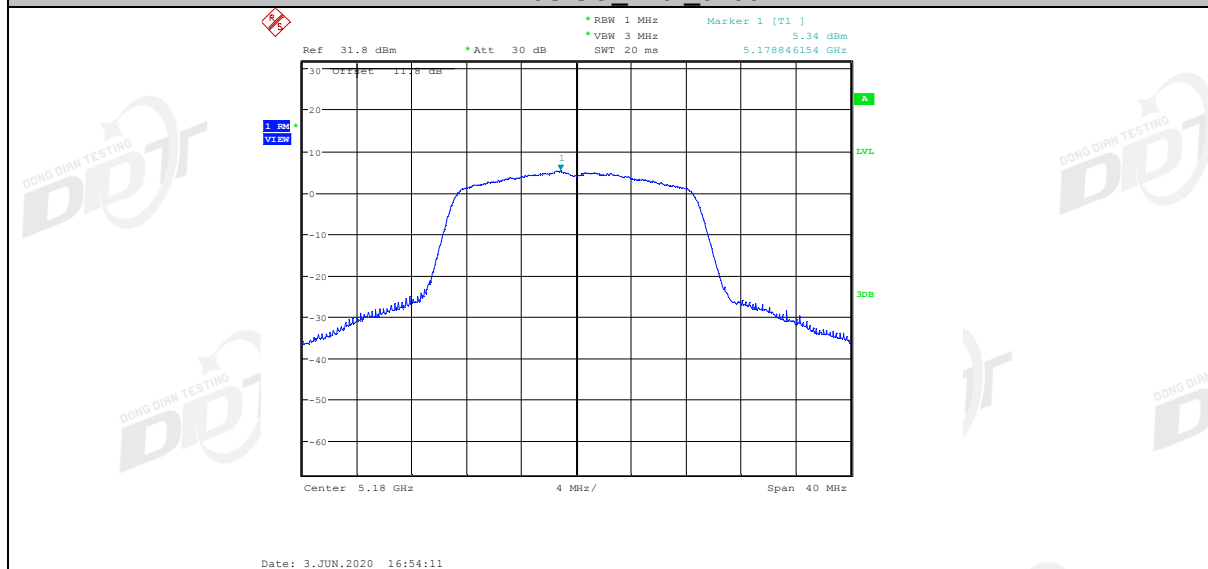
11A_Ant1_5825



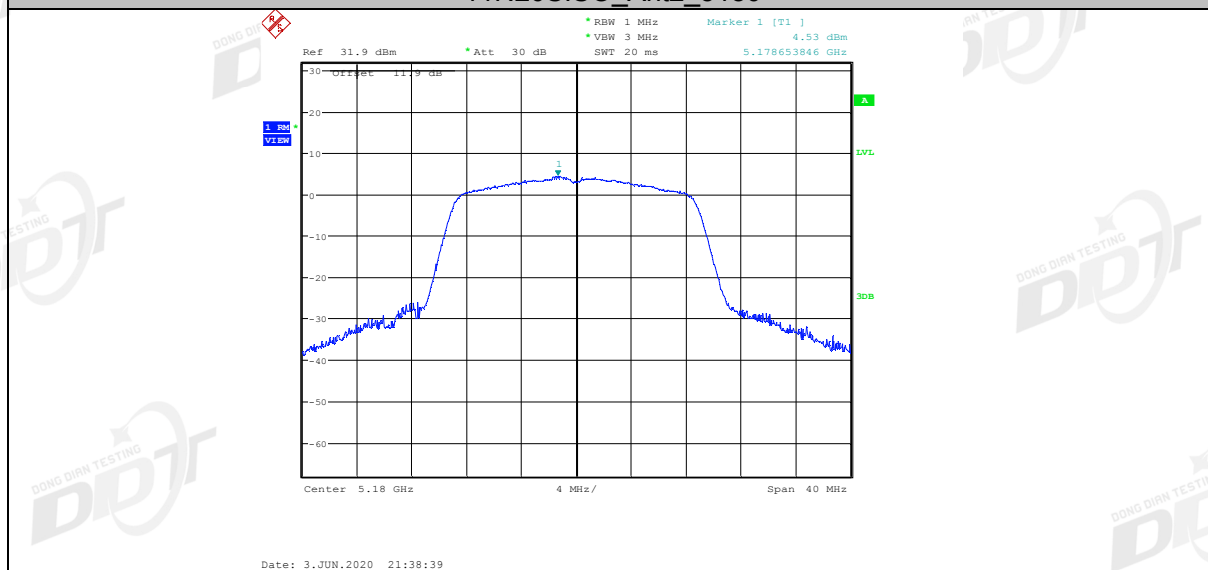
11A_Ant2_5825



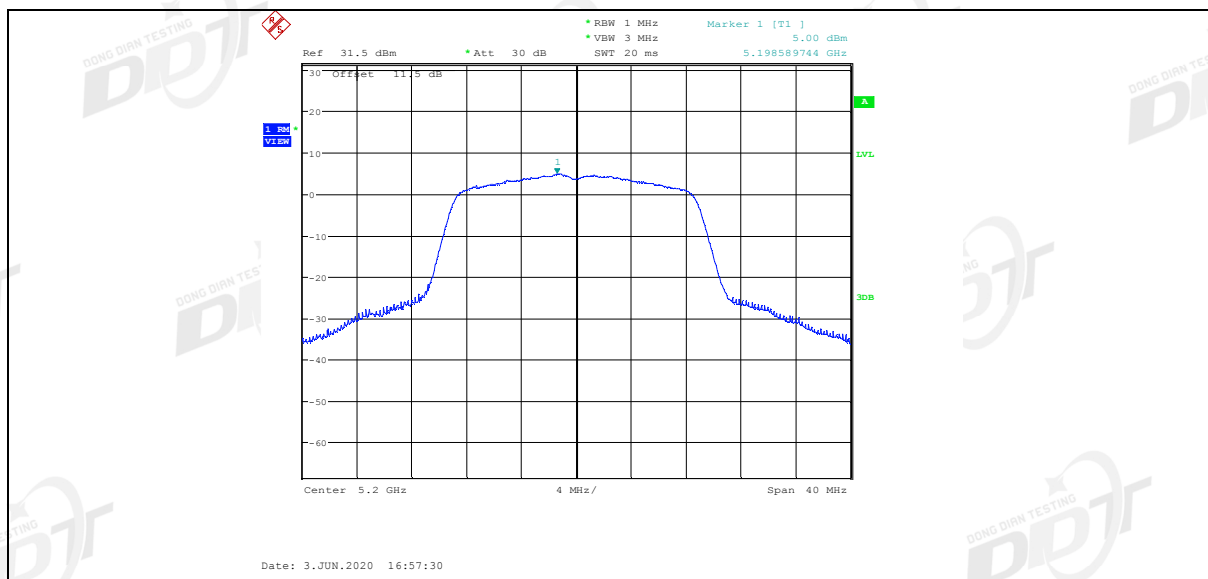
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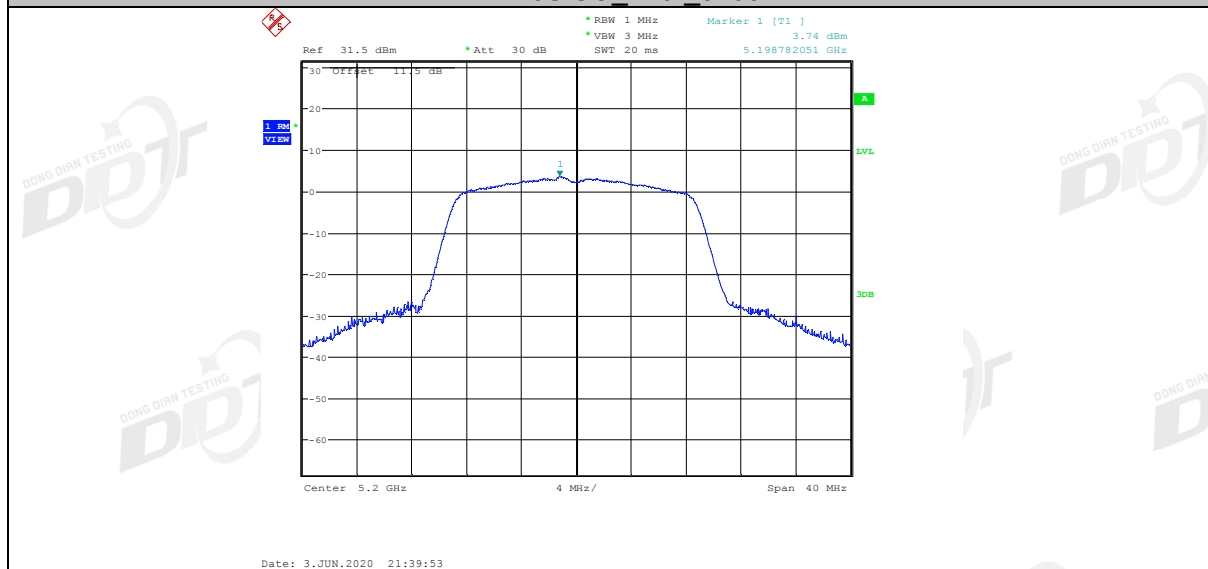
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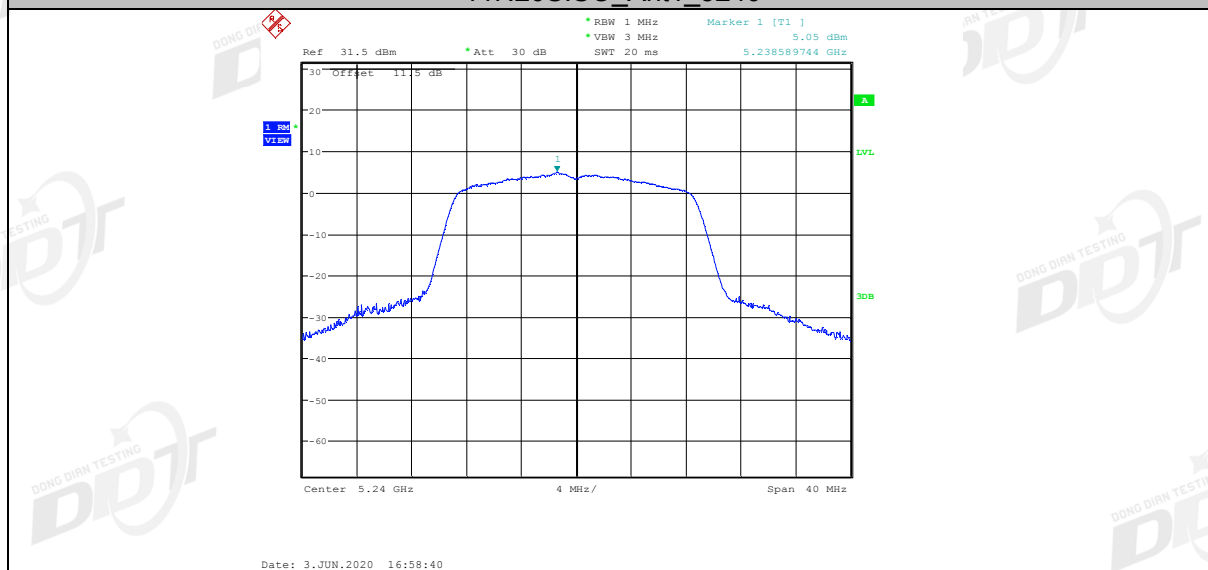
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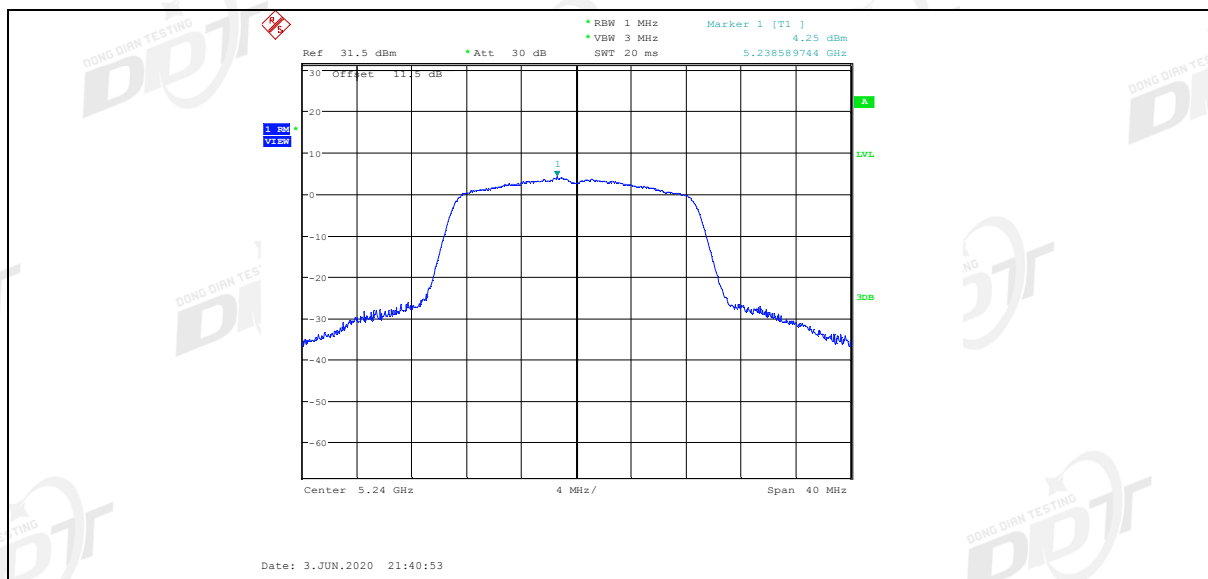
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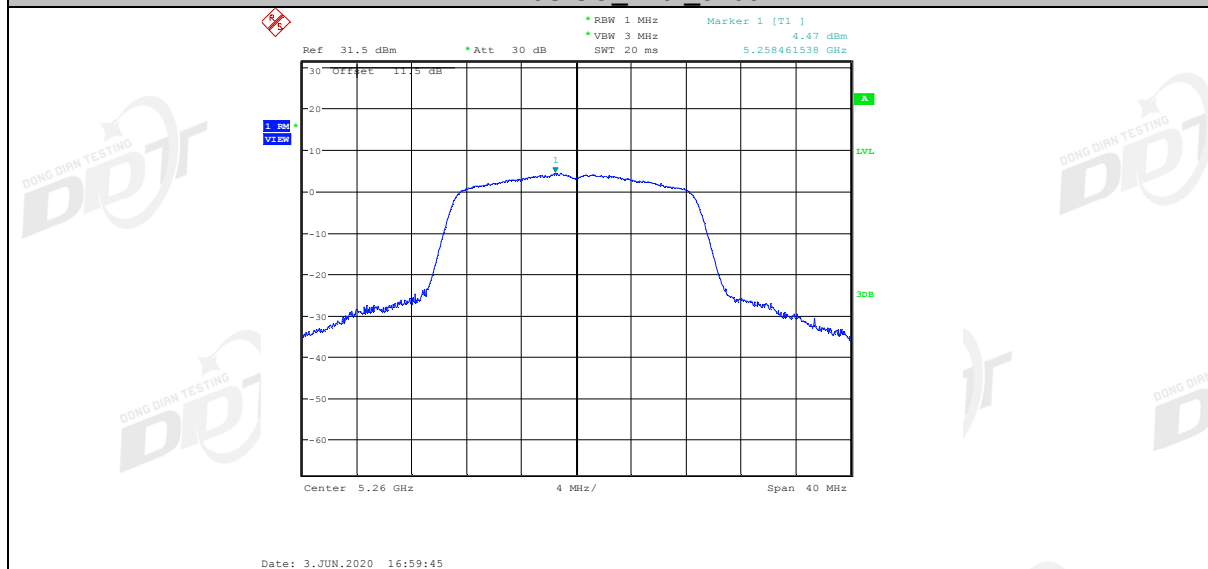
11N20SISO_Ant1_5240



11N20SISO_Ant2_5240



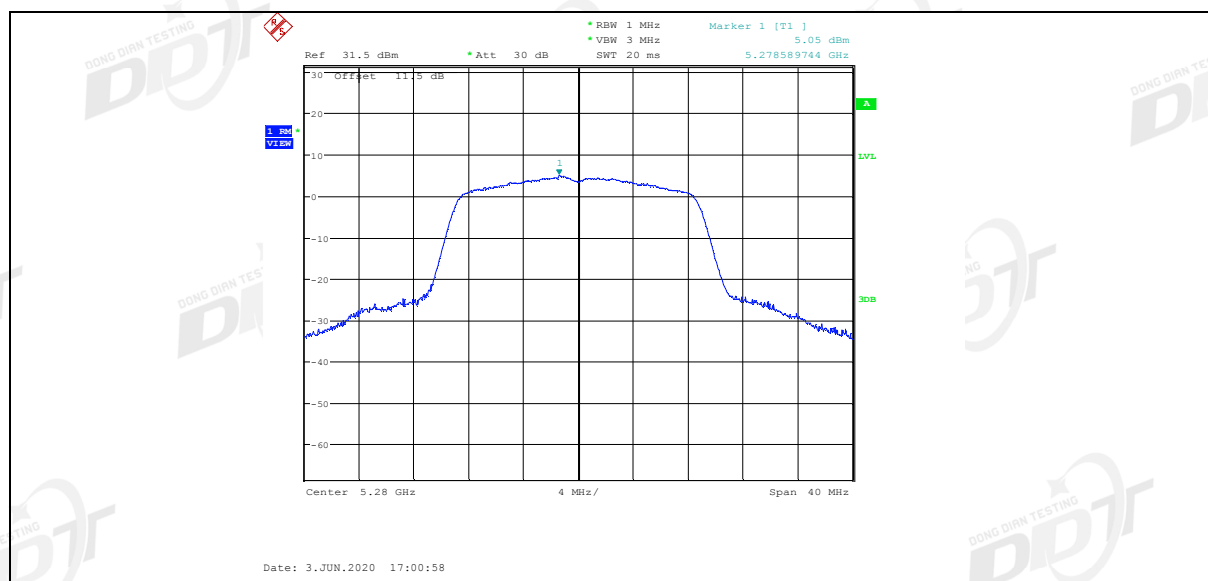
11N20SISO_Ant1_5260



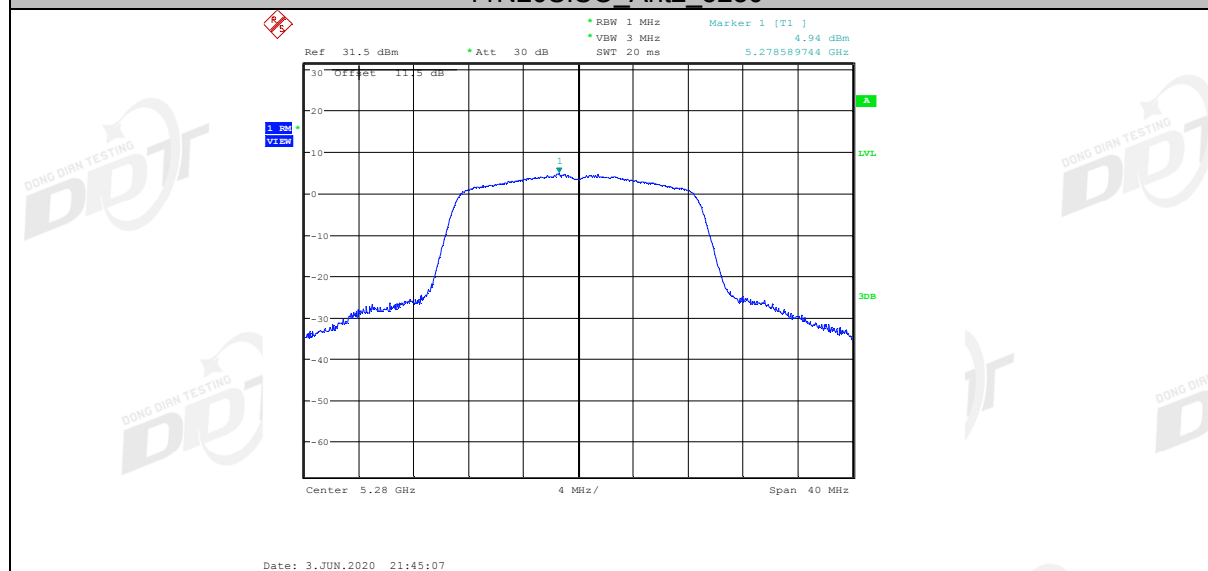
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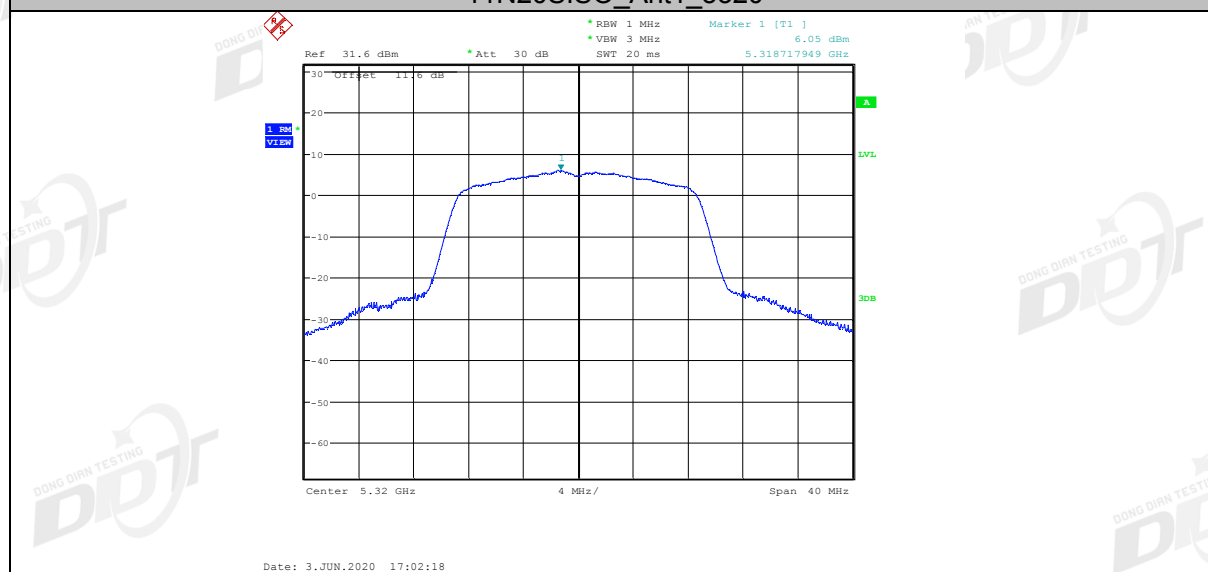
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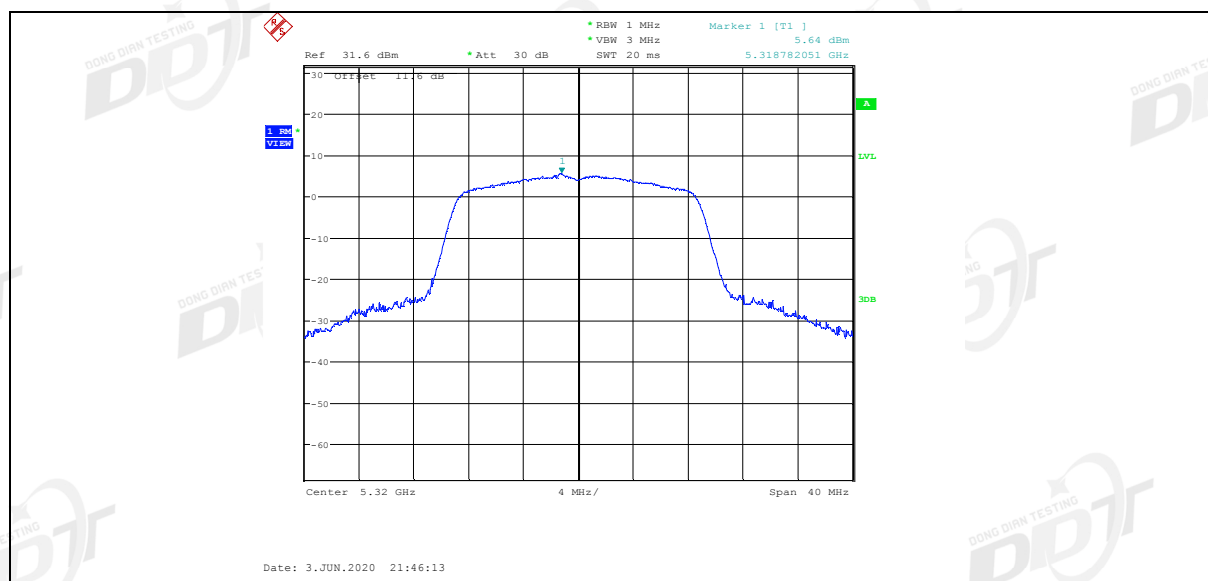
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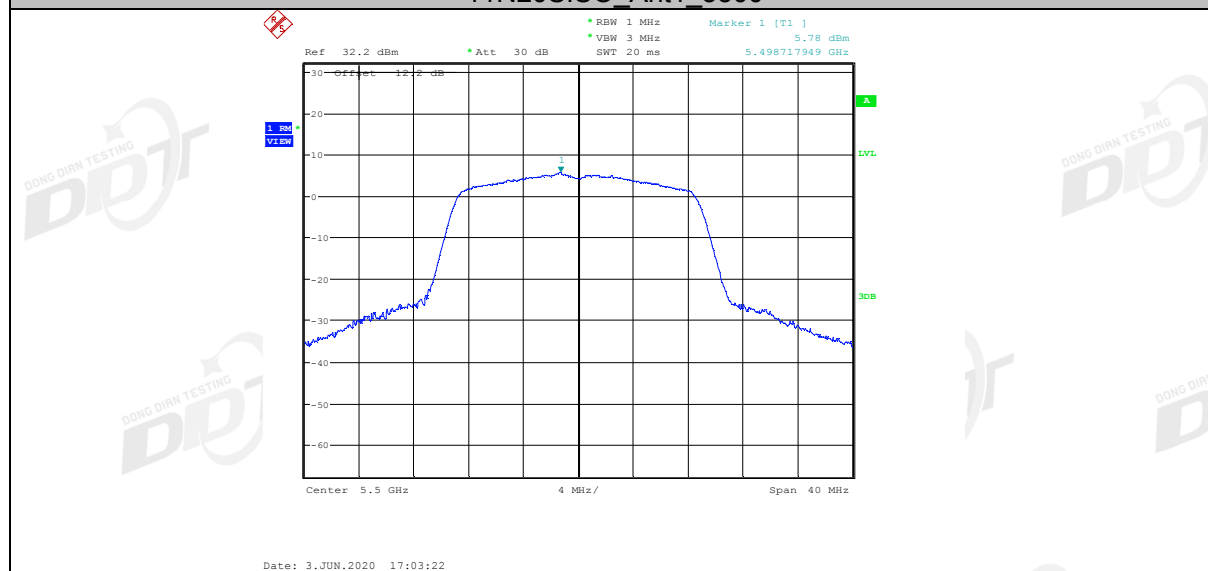
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11N20SISO_Ant2_5320



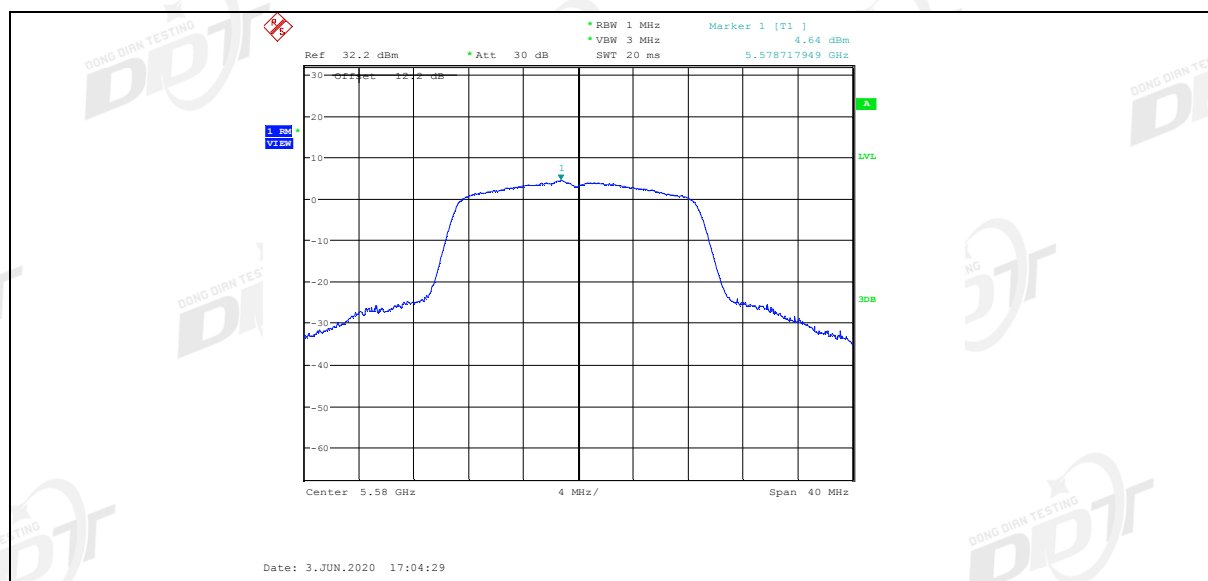
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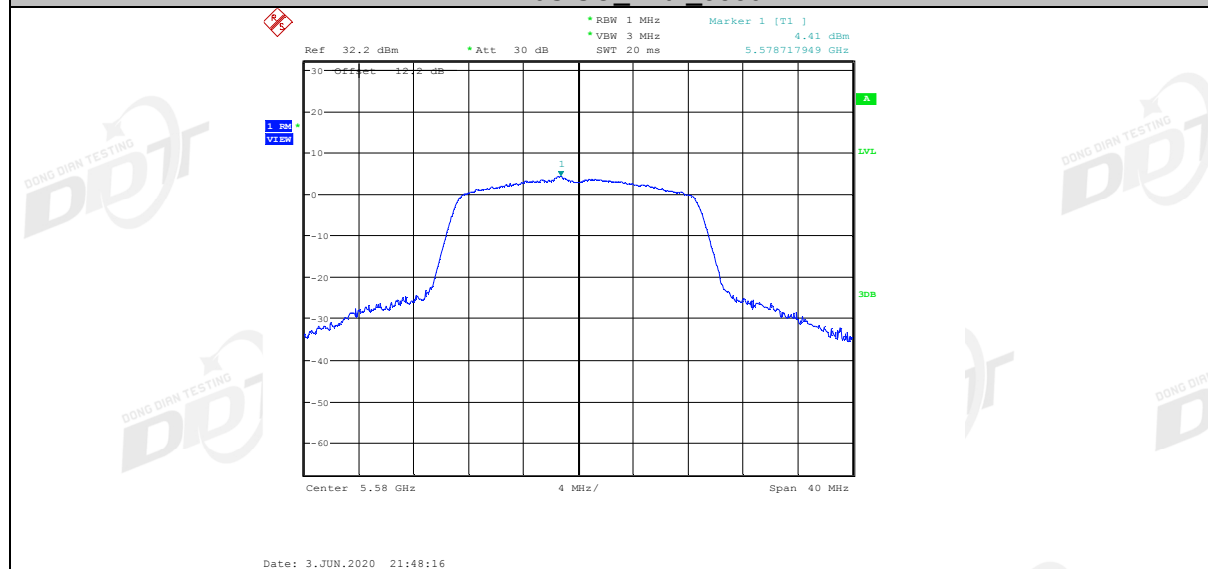
11N20SISO_Ant2_5500



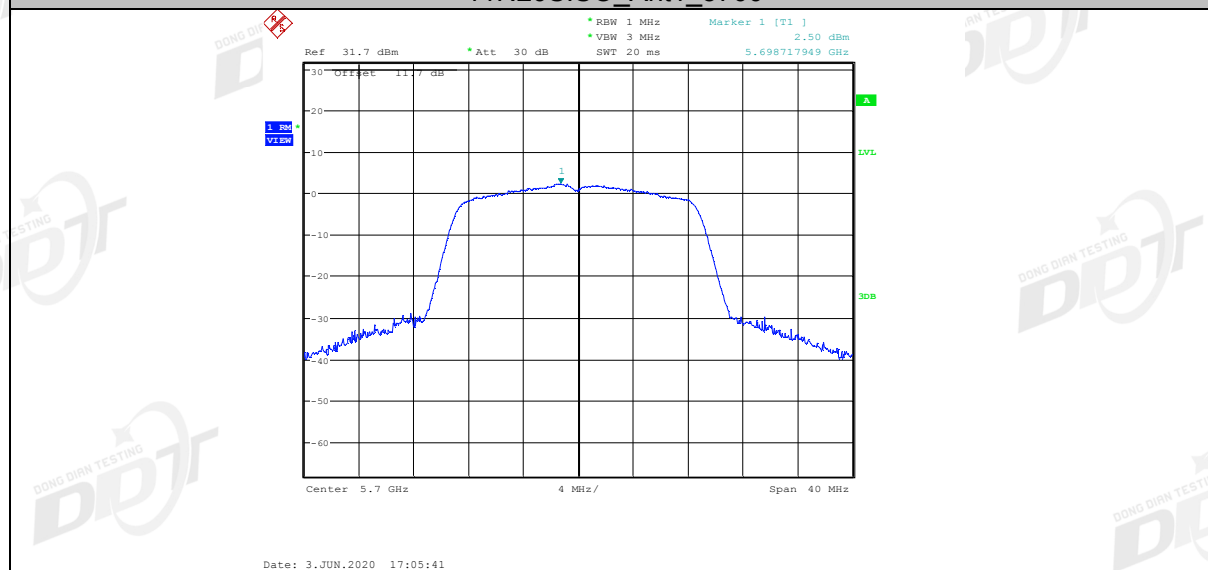
11N20SISO_Ant1_5580



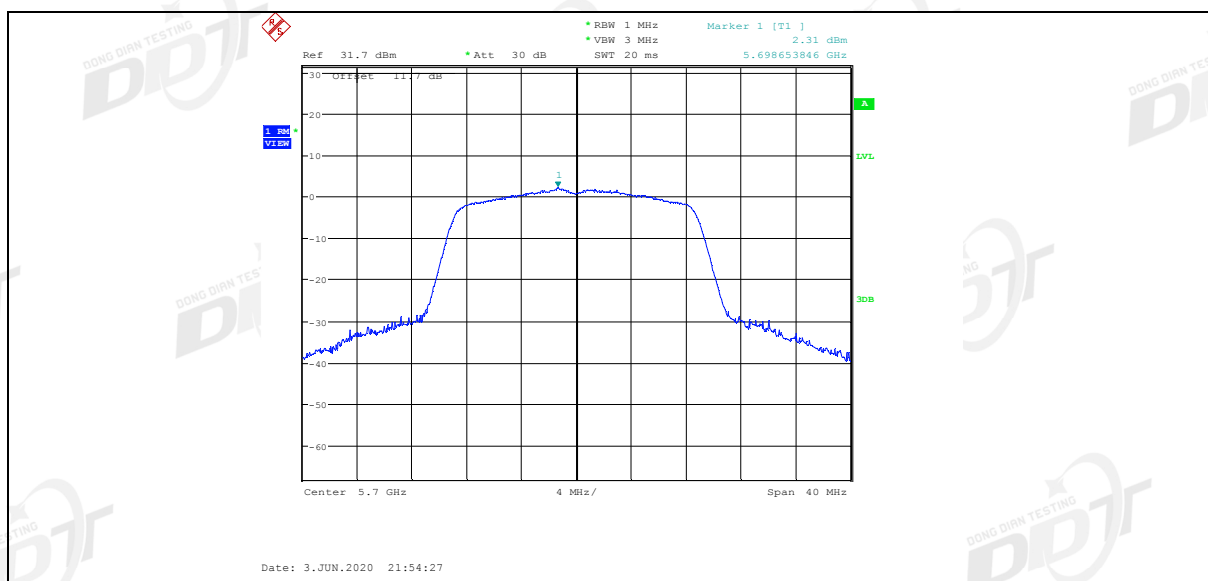
11N20SISO_Ant2_5580



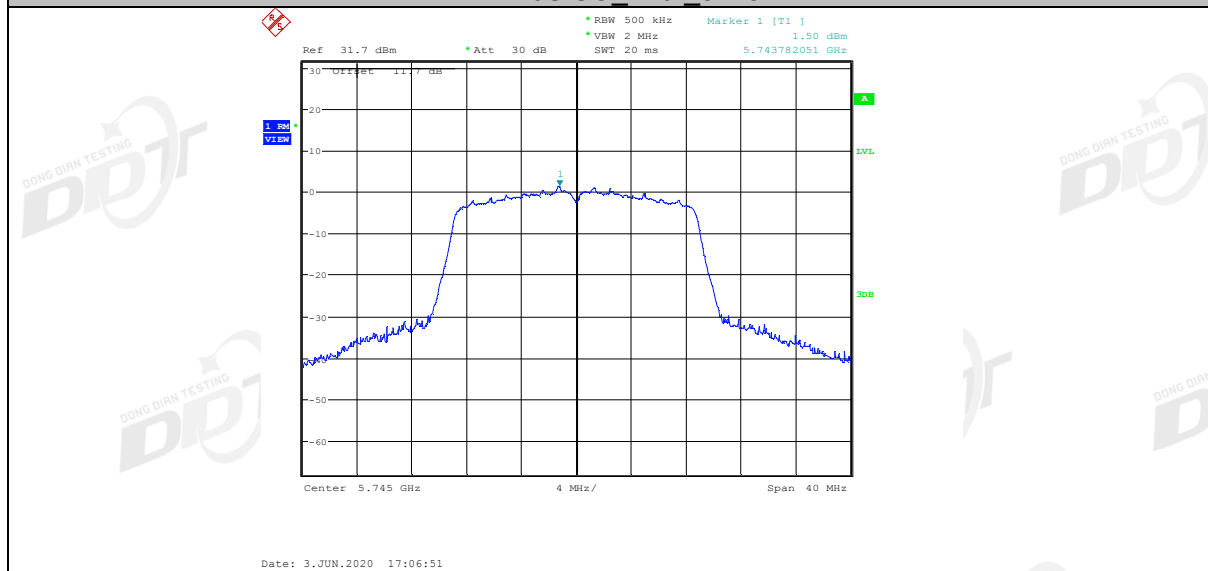
11N20SISO_Ant1_5700



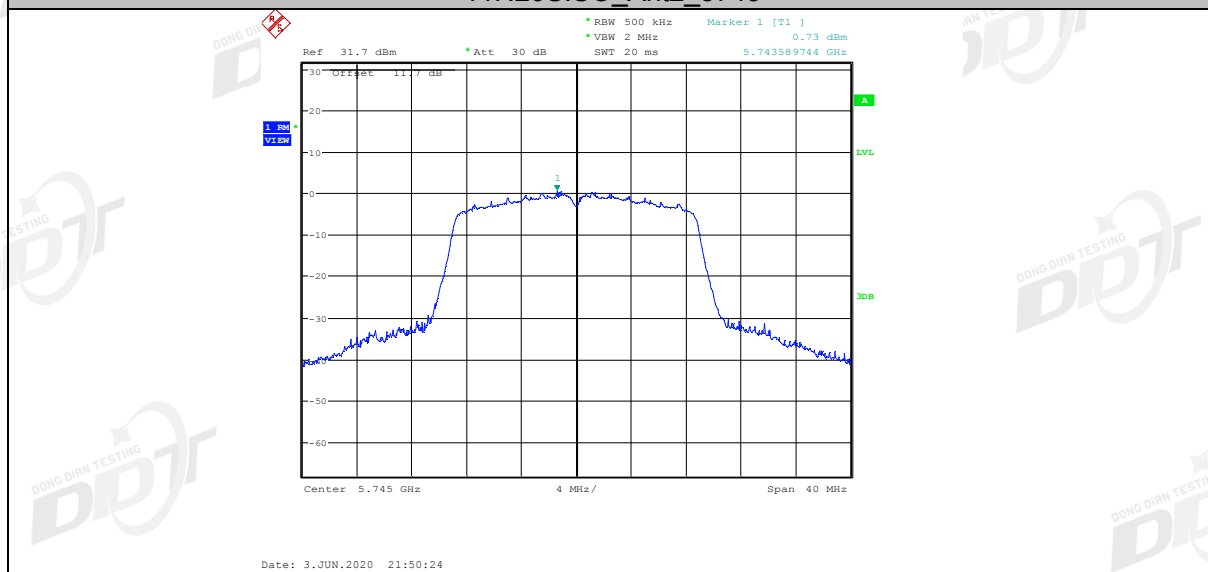
11N20SISO_Ant2_5700



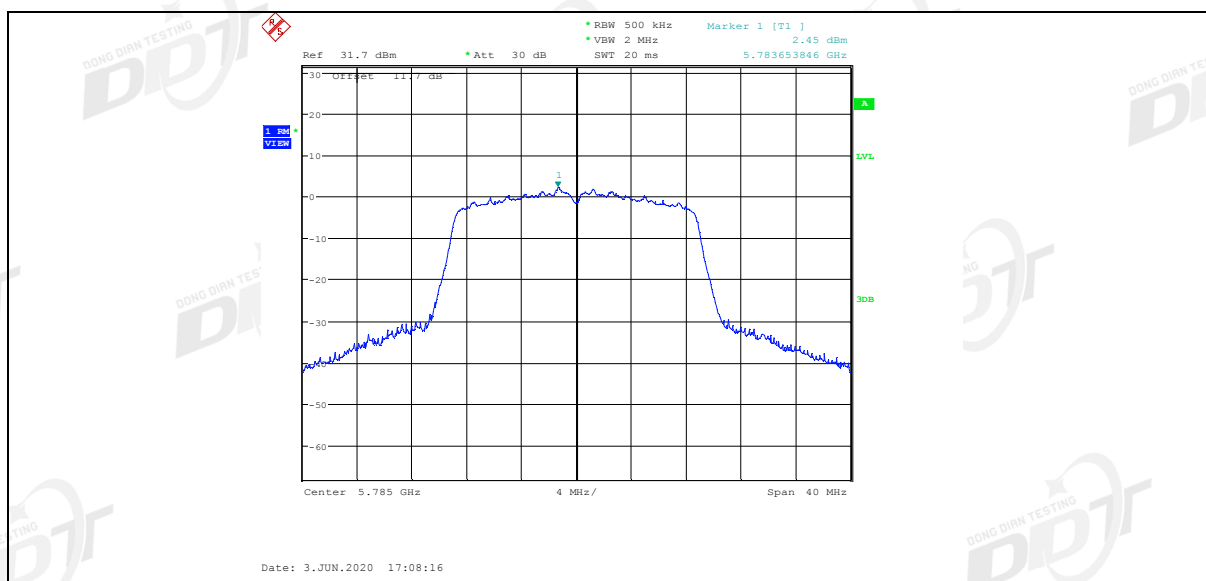
11N20SISO_Ant1_5745



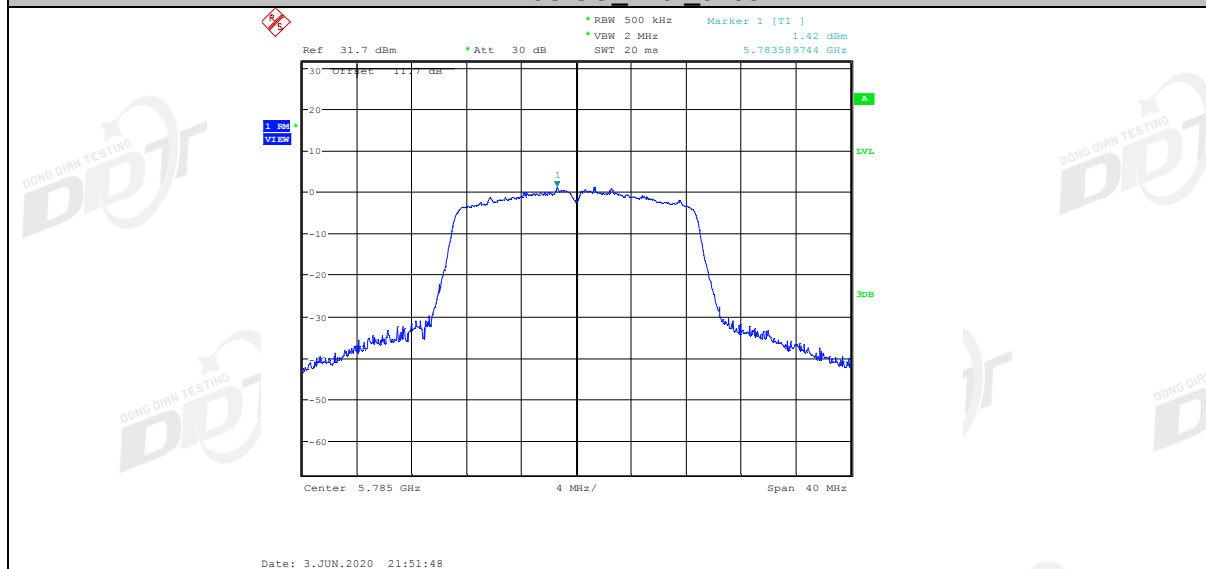
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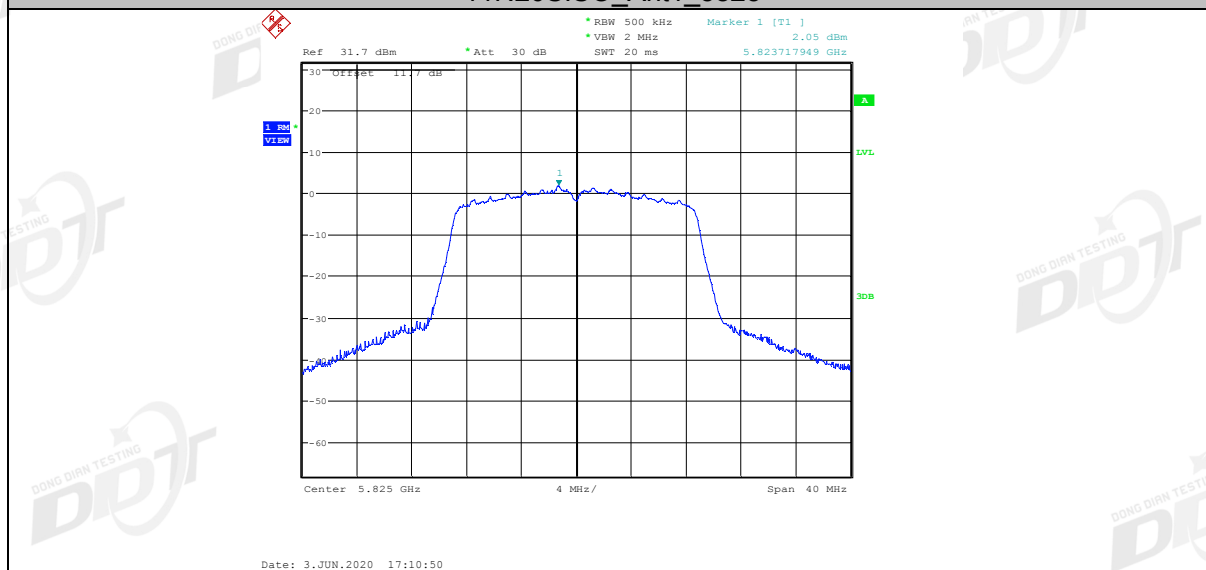
11N20SISO_Ant1_5785



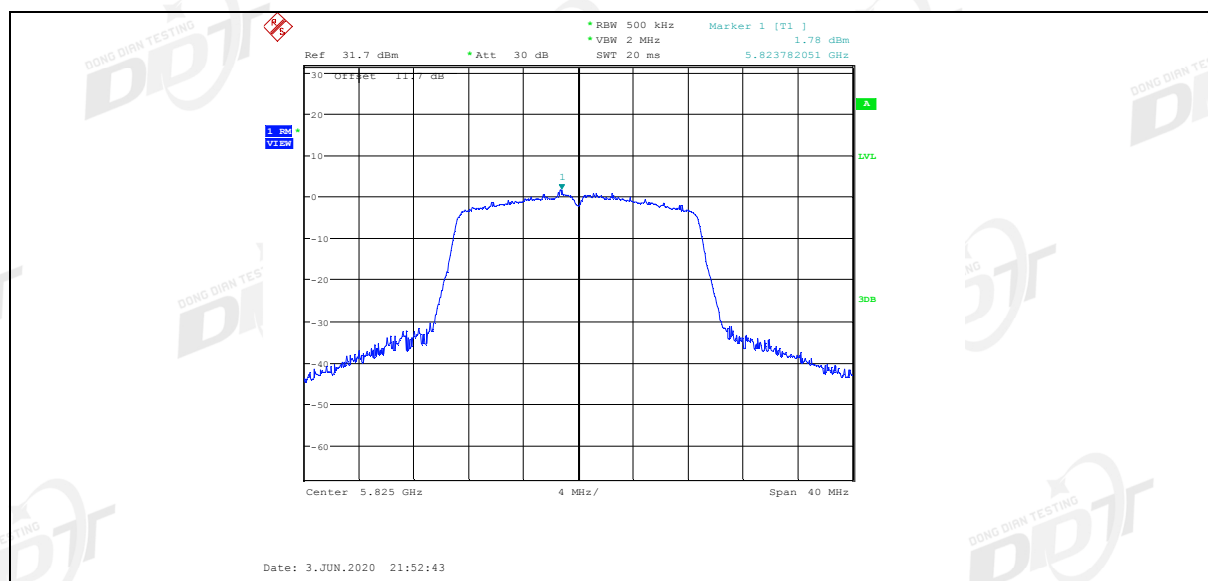
11N20SISO_Ant2_5785



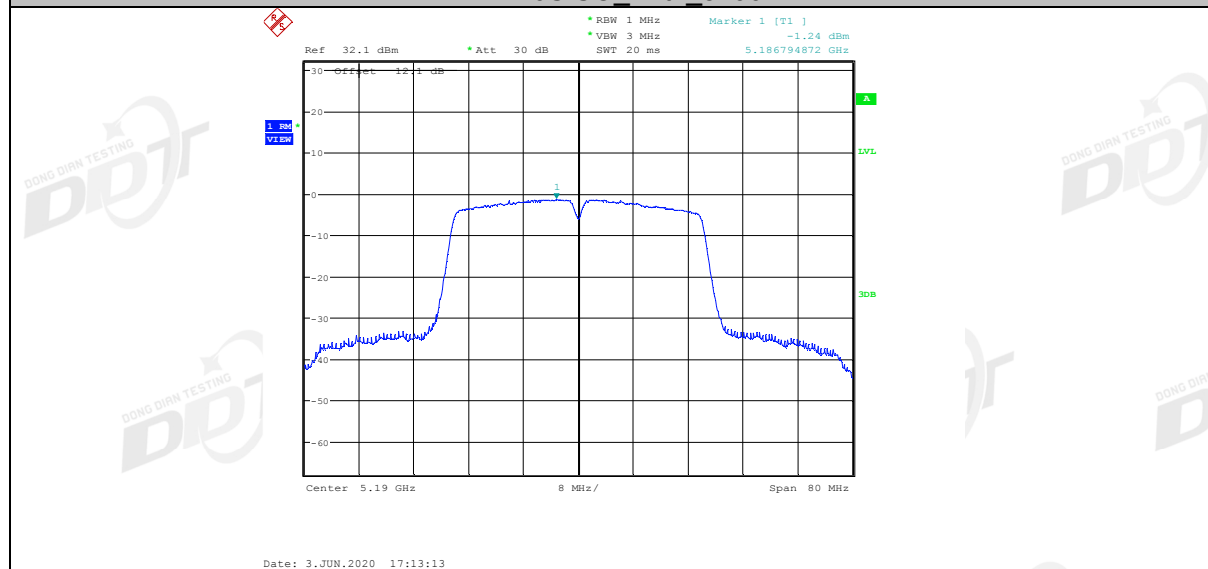
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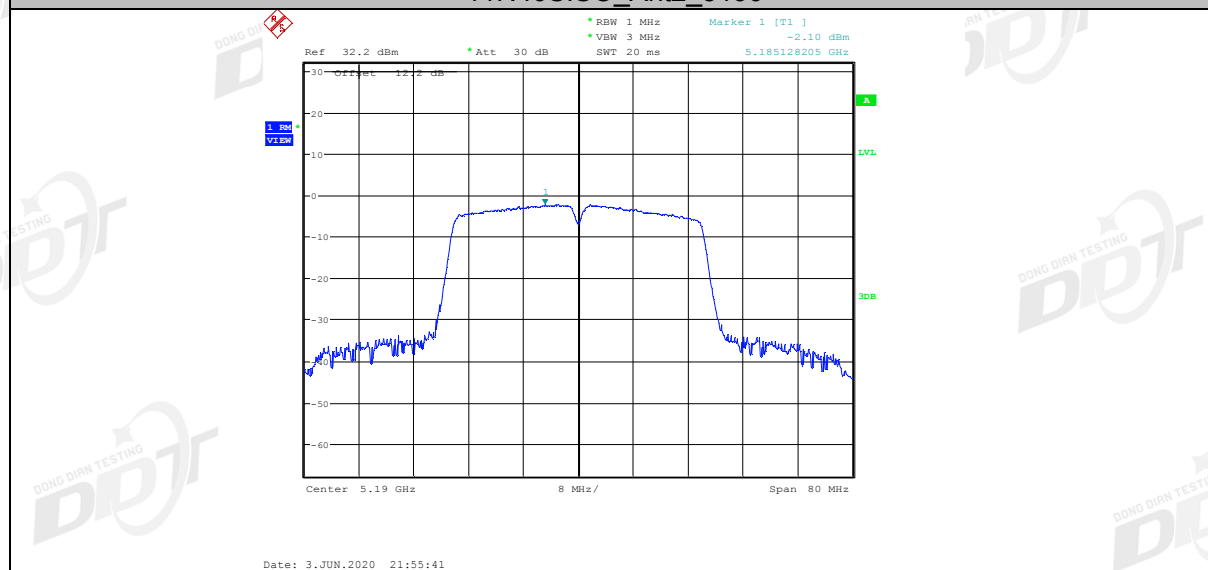
11N20SISO_Ant2_5825



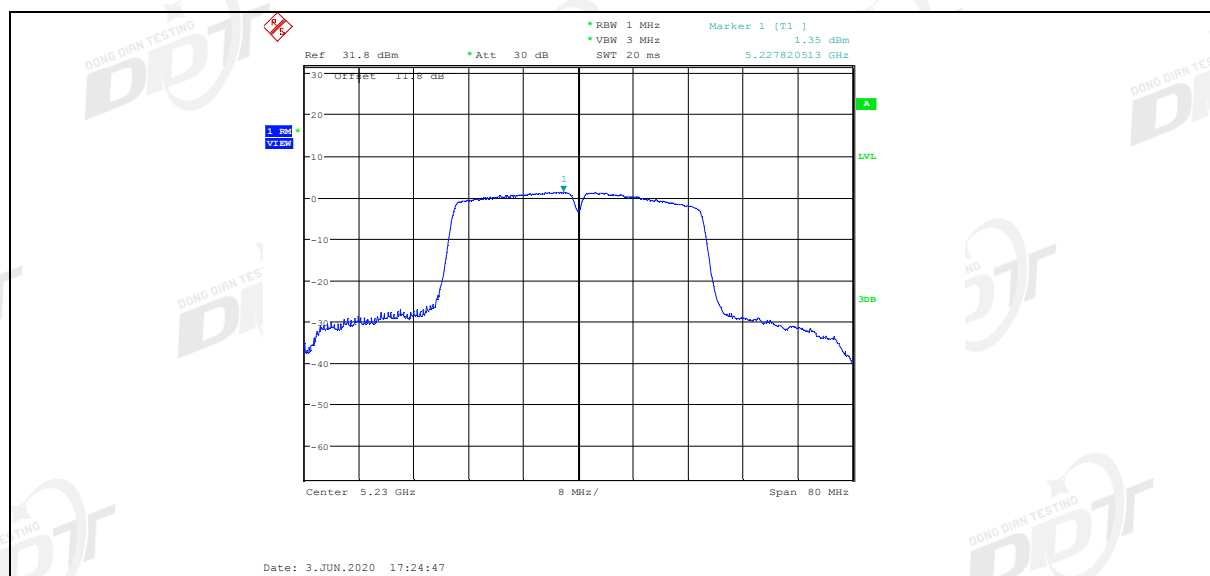
11N40SISO_Ant1_5190



11N40SISO_Ant2_5190



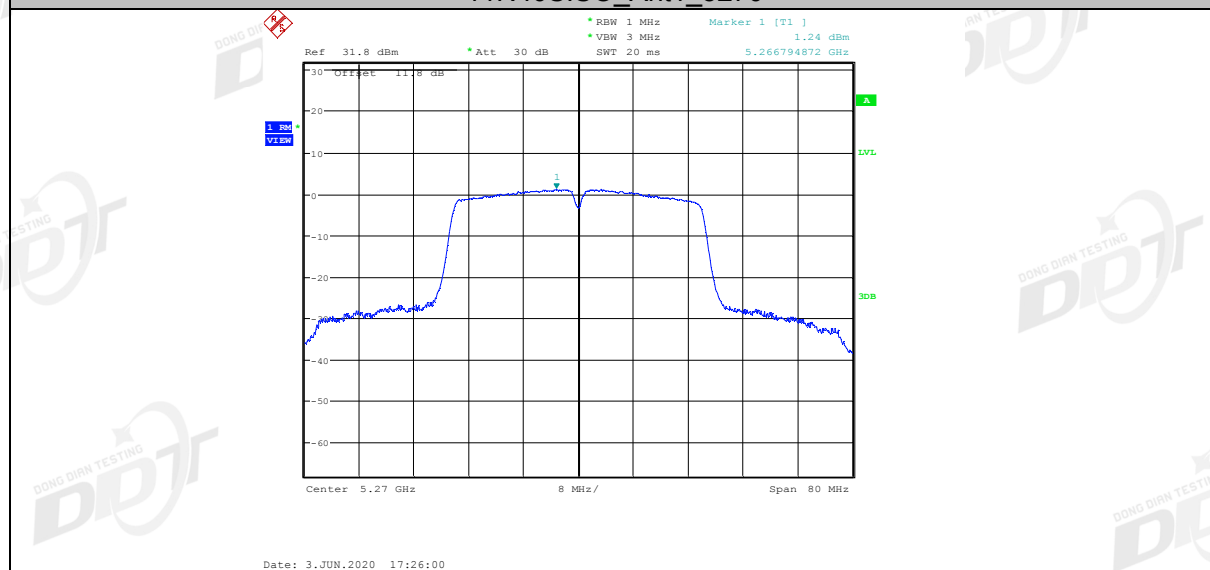
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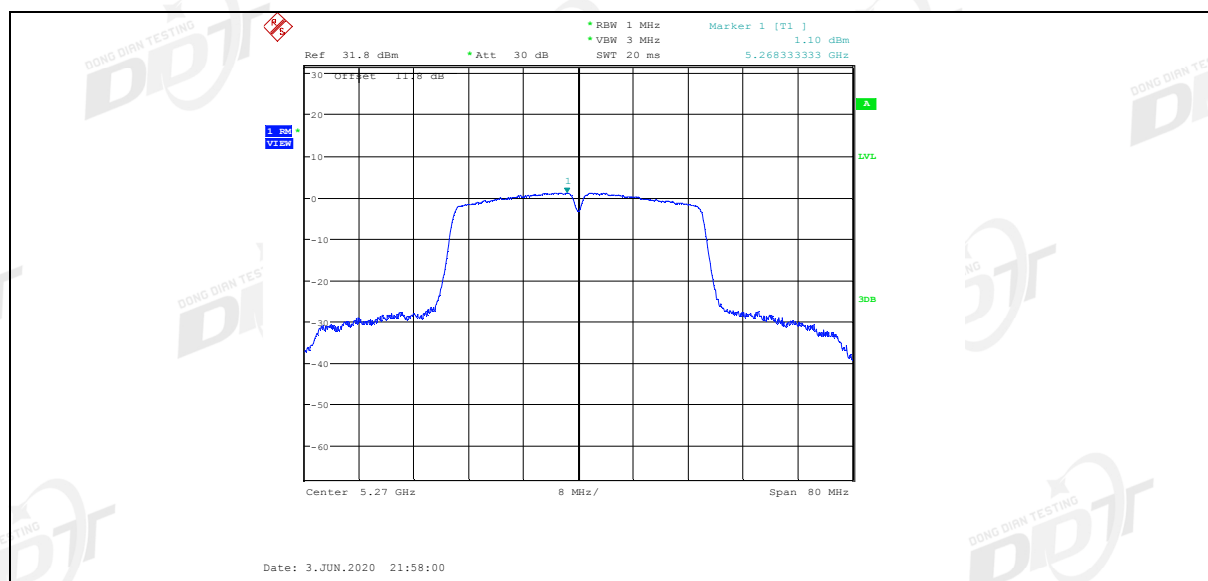
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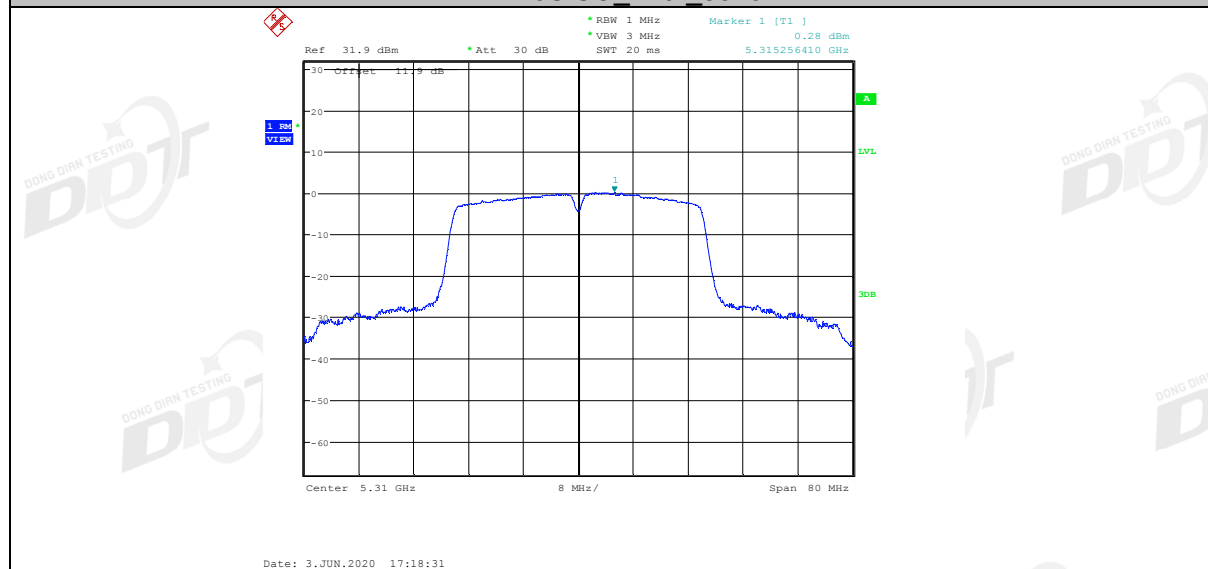
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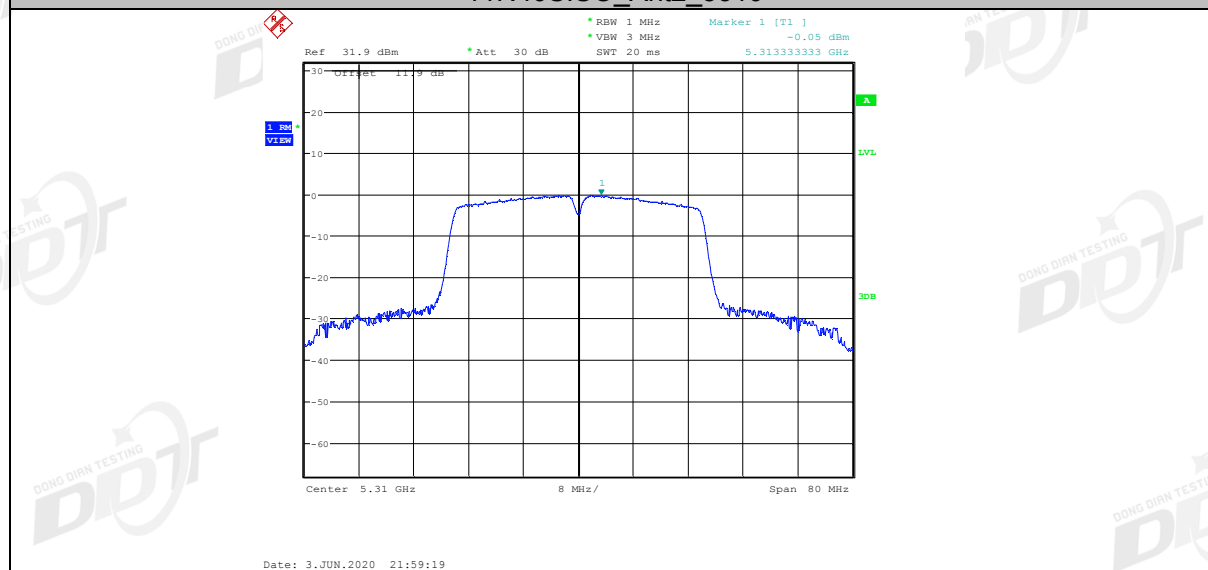
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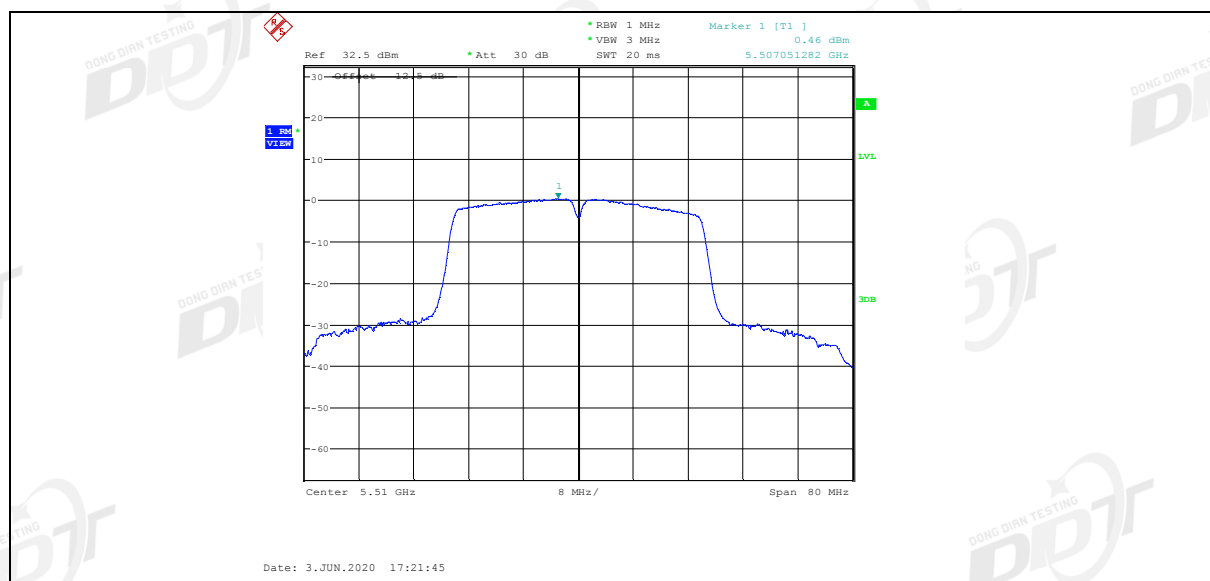
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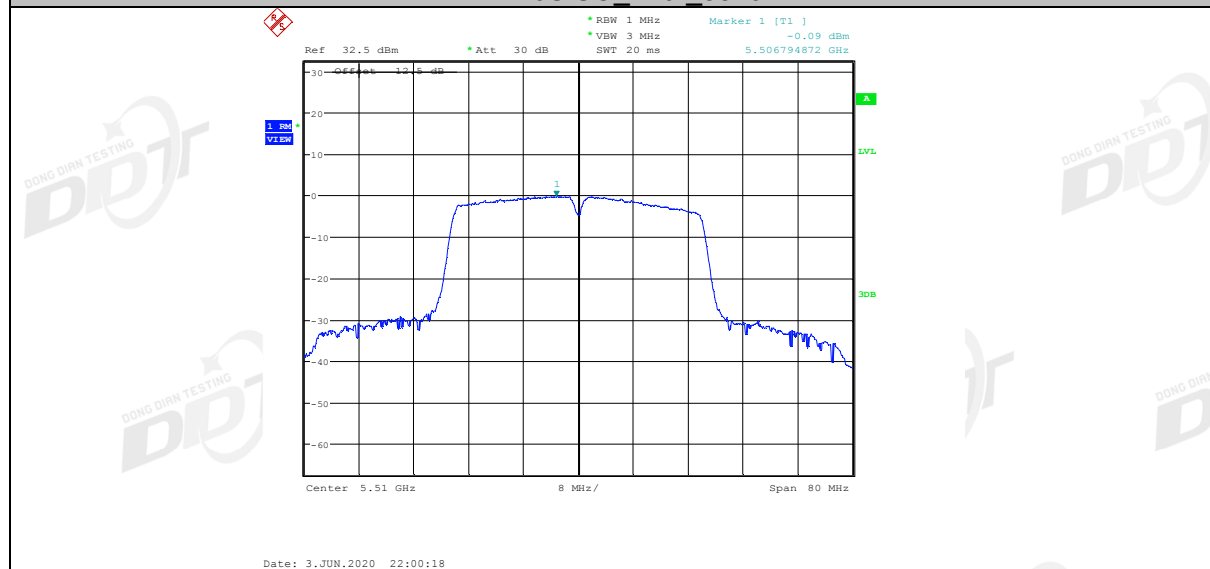
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11N40SISO_Ant1_5510



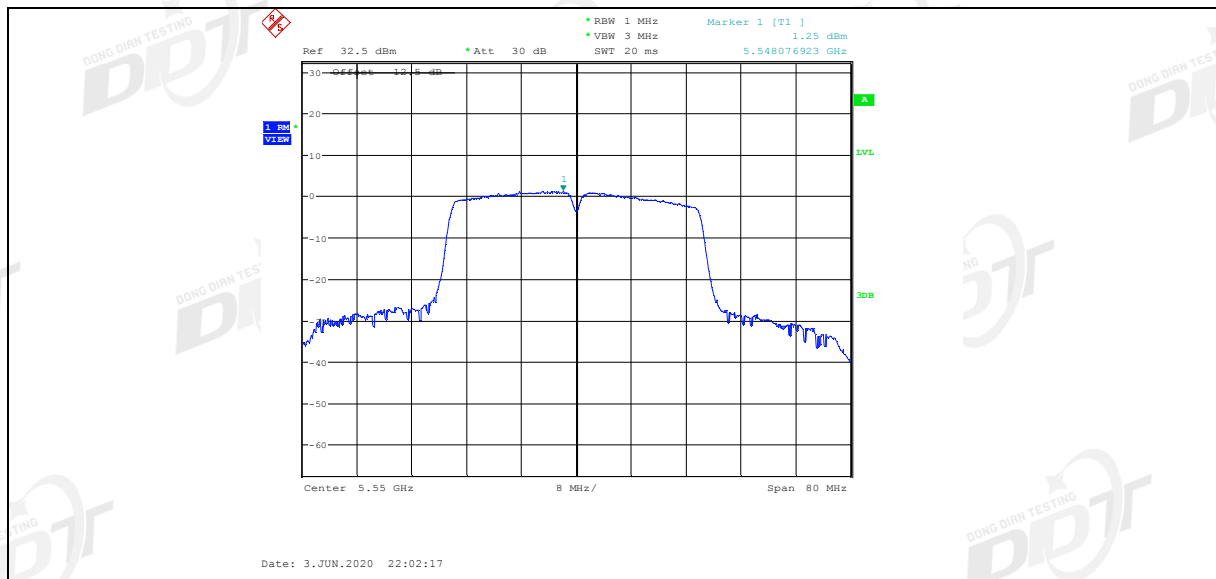
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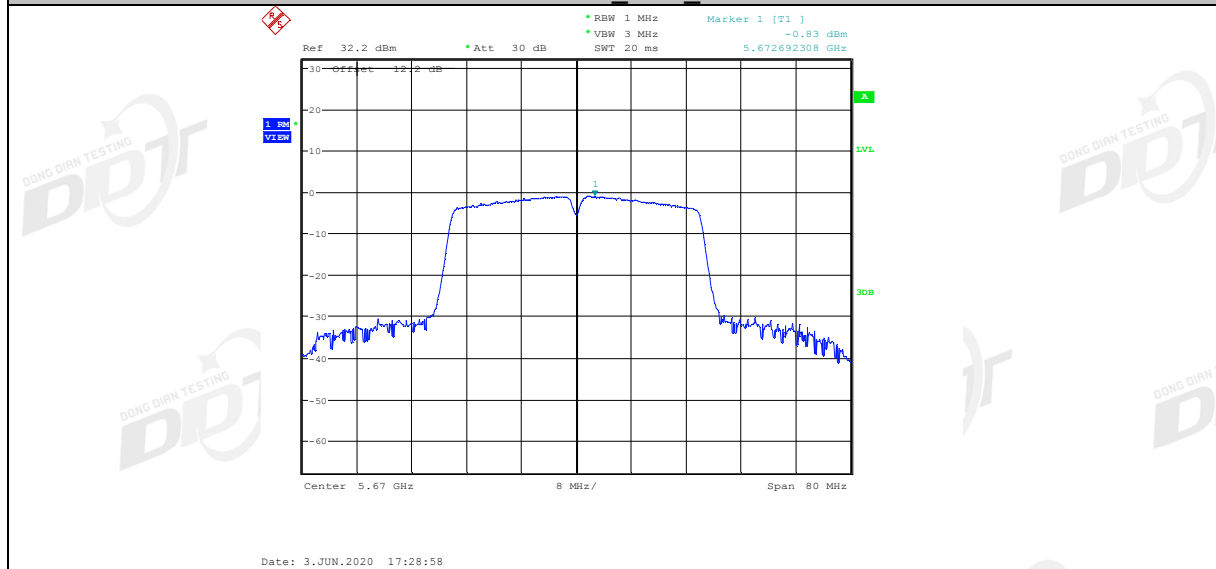
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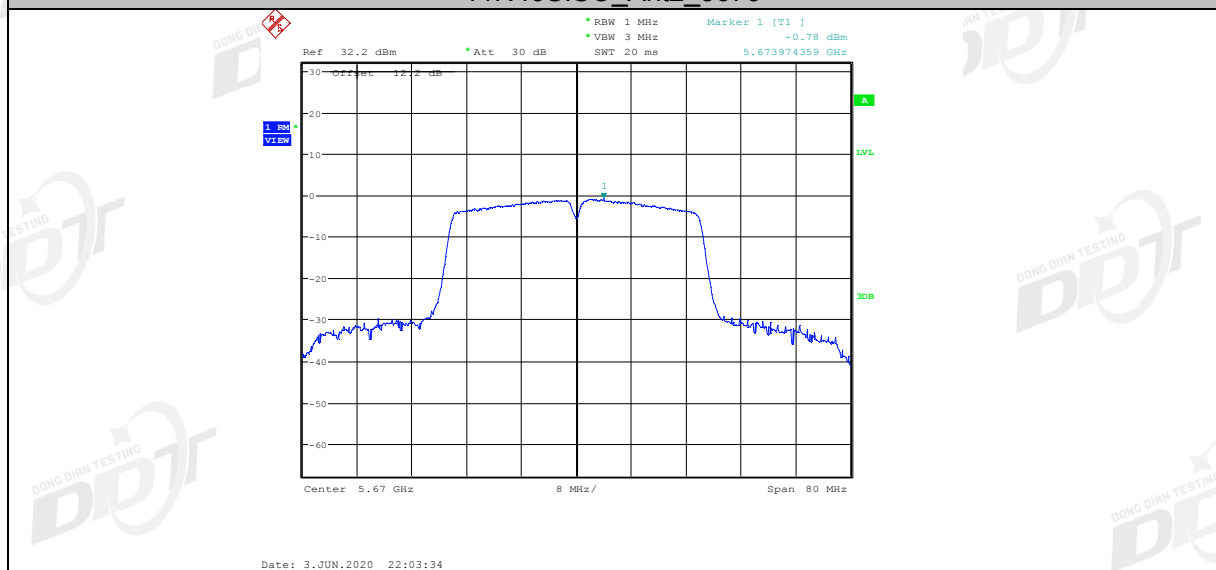
11N40SISO_Ant2_5550



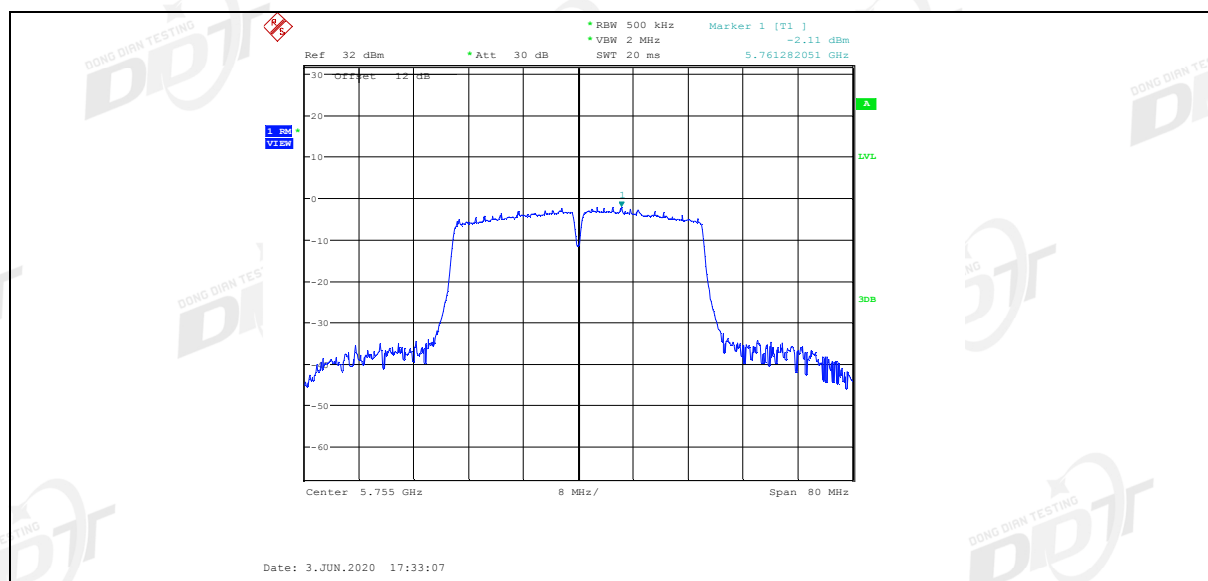
11N40SISO_Ant1_5670



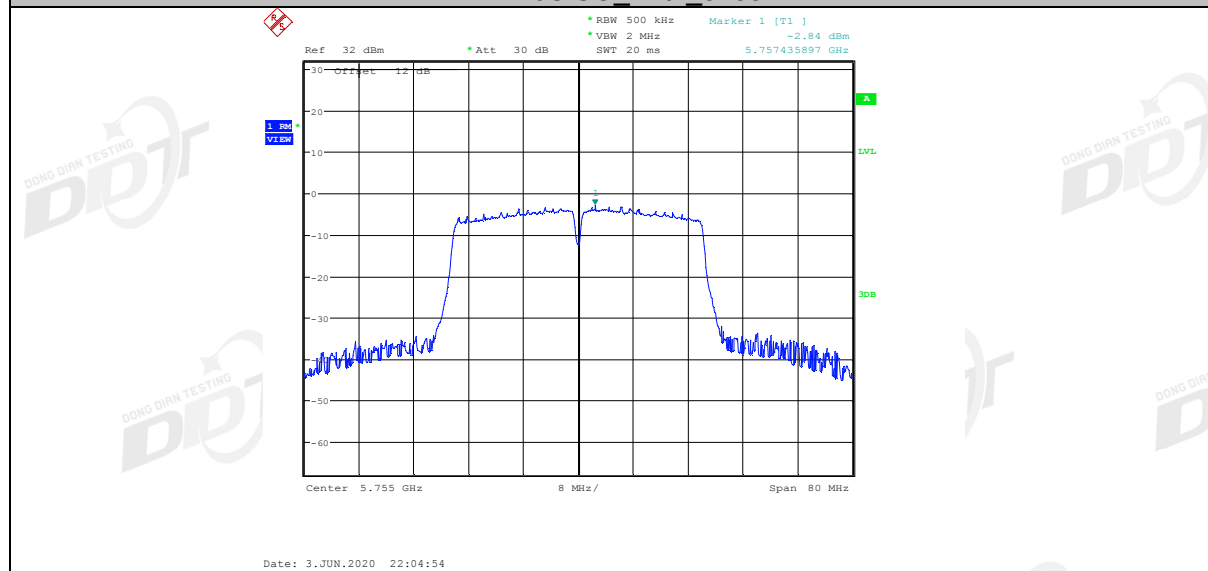
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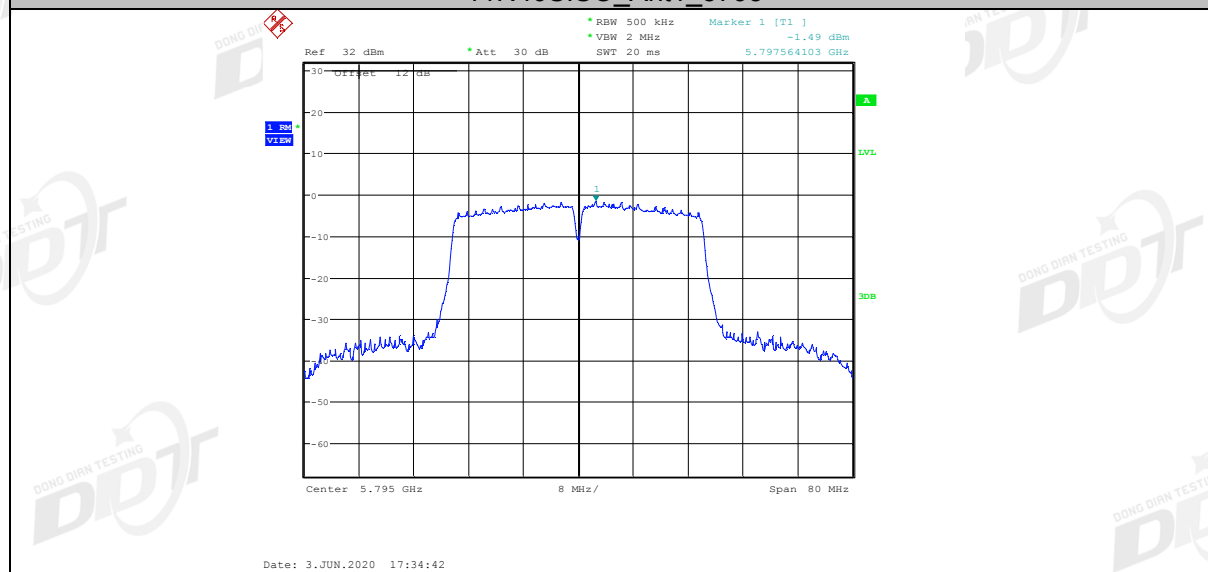
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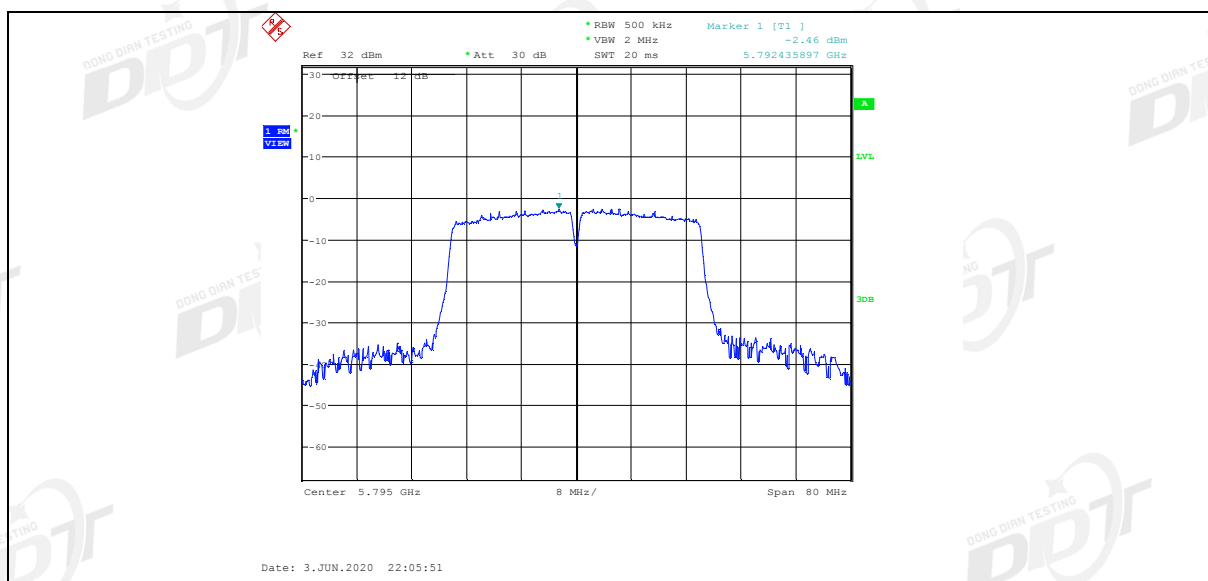
11N40SISO_Ant2_5755



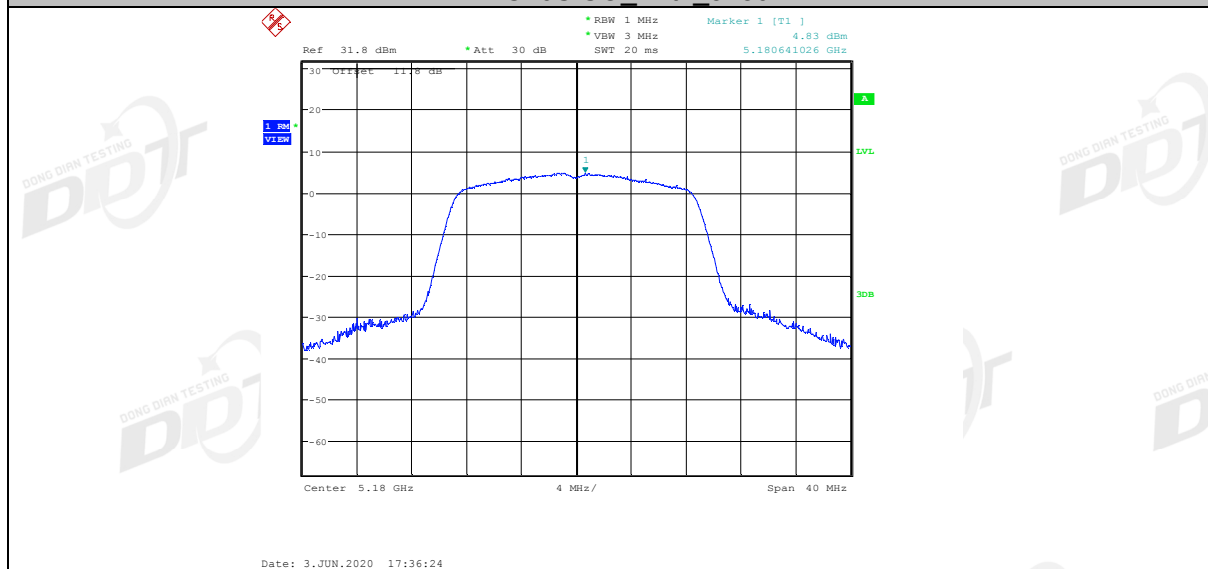
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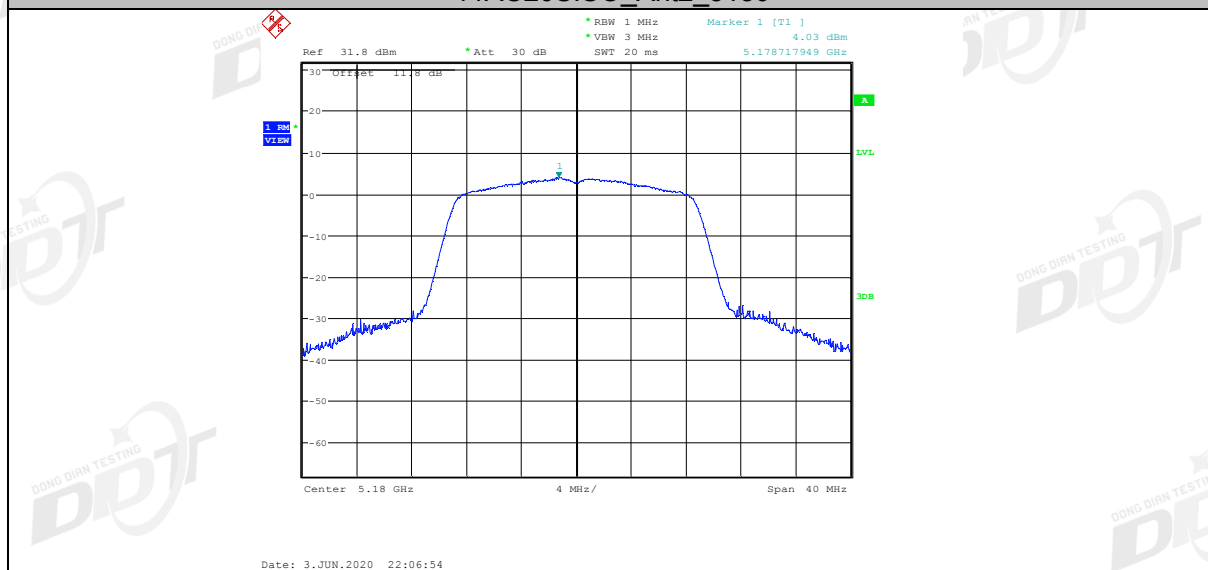
11N40SISO_Ant2_5795



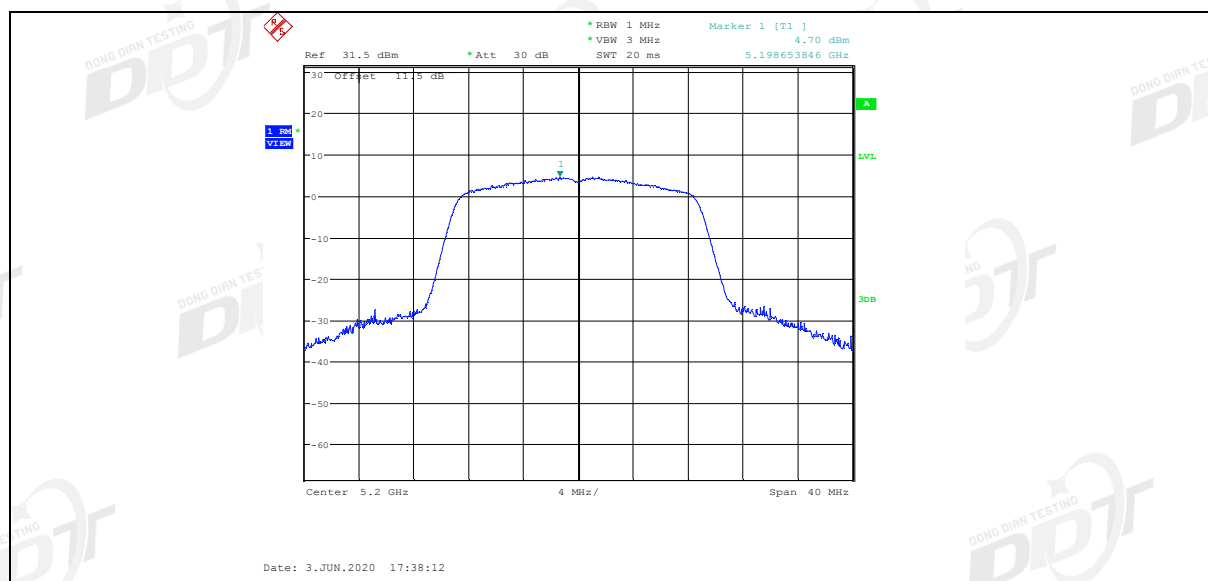
11AC20SISO_Ant1_5180



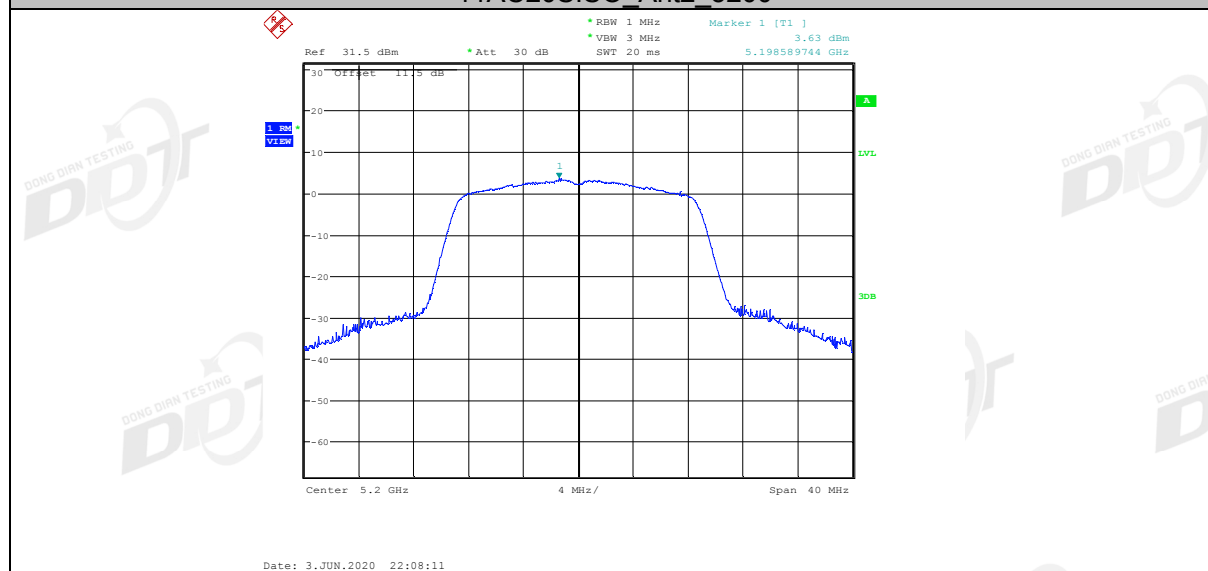
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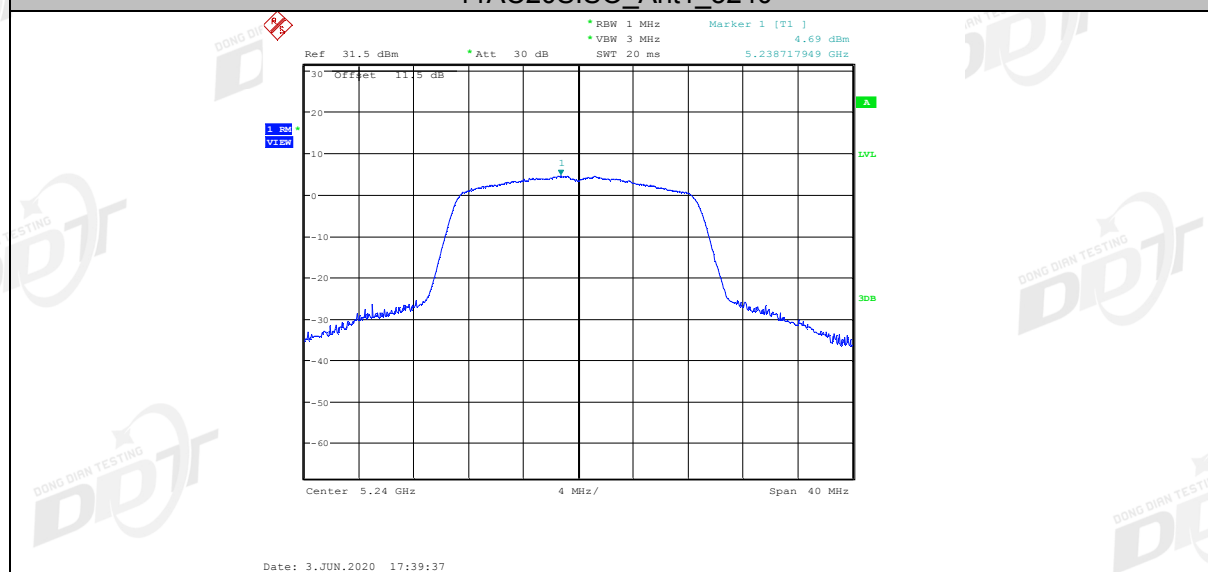
11AC20SISO_Ant1_5200



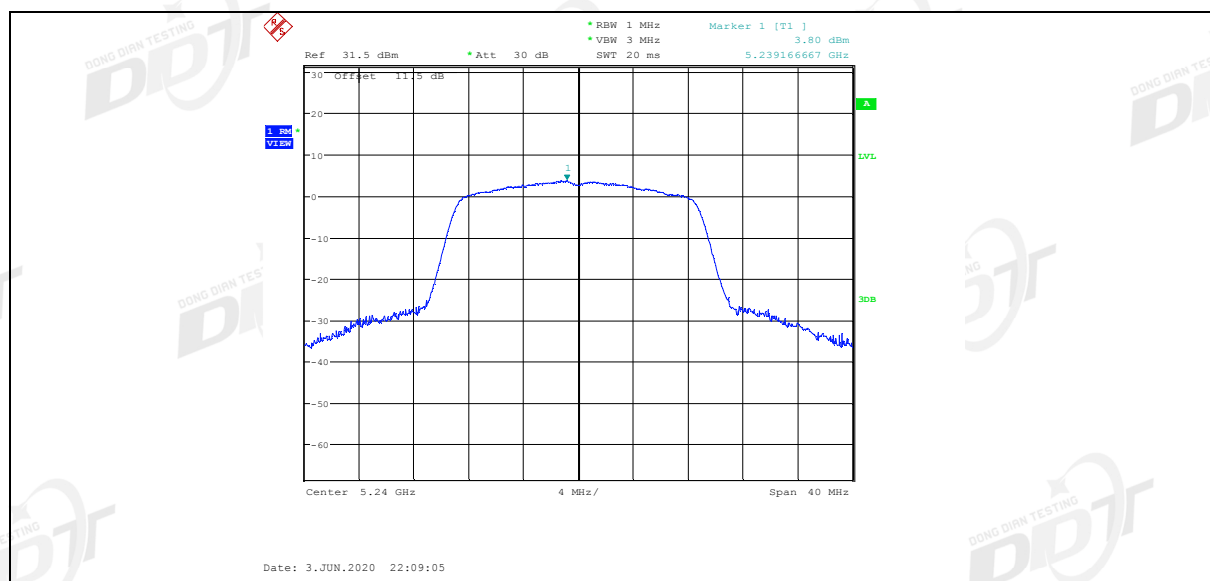
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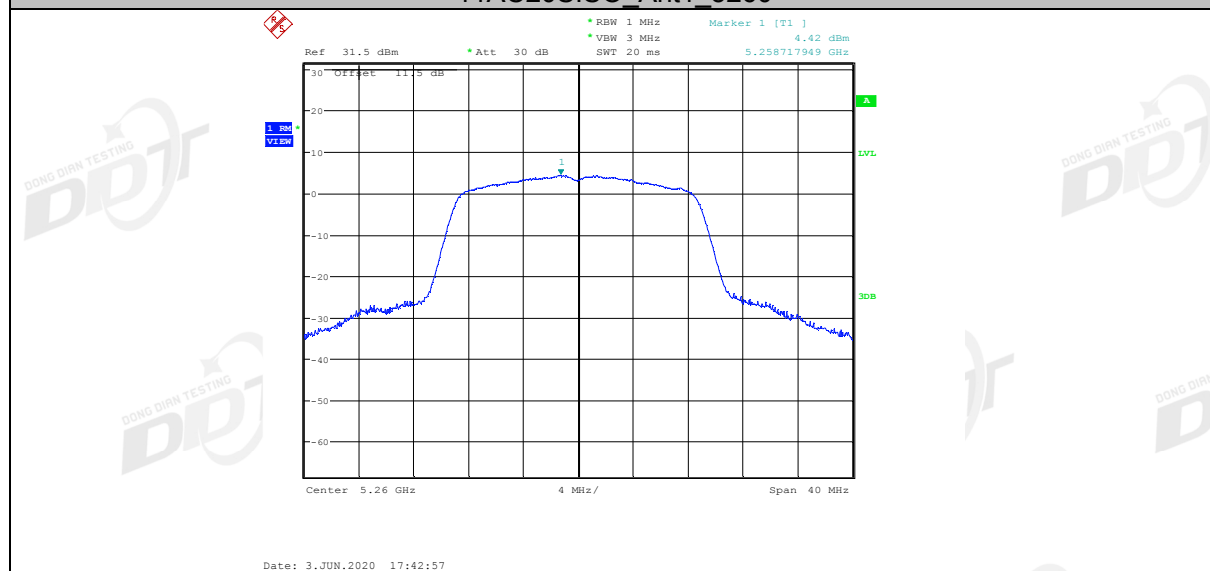
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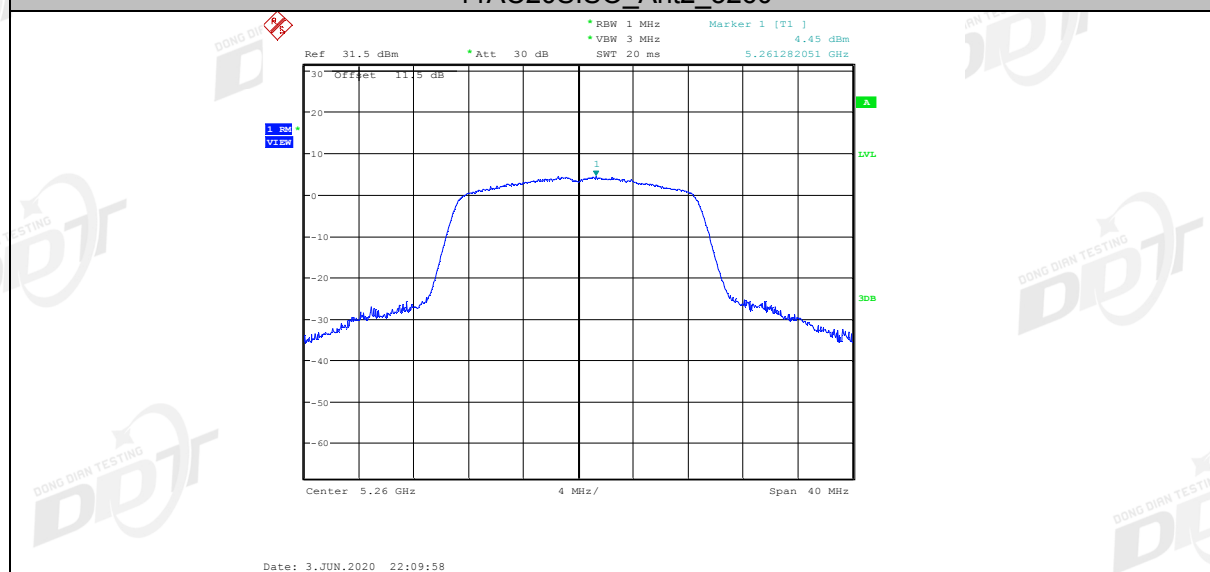
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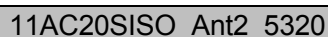
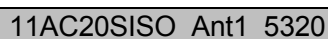
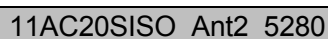
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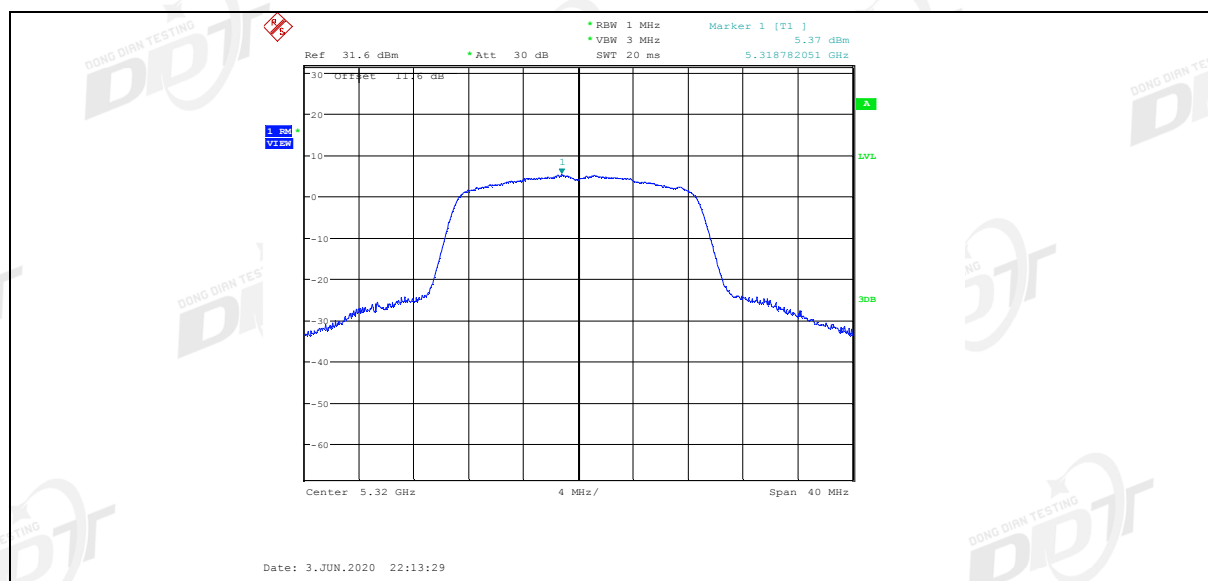


11AC20SISO_Ant2_5260

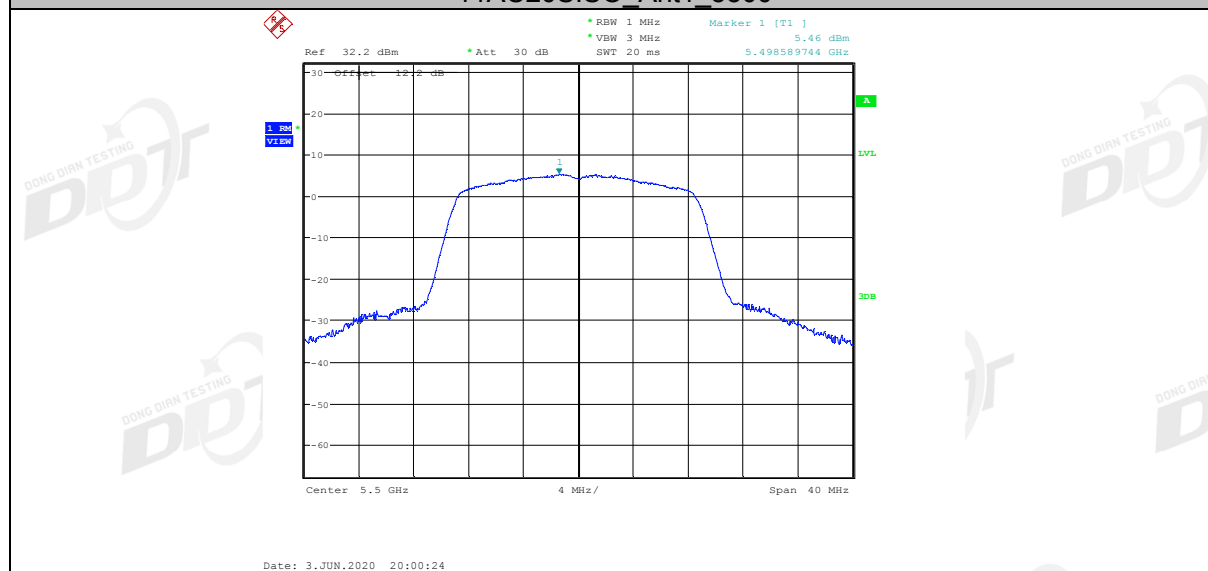


11AC20SISO_Ant1_5280

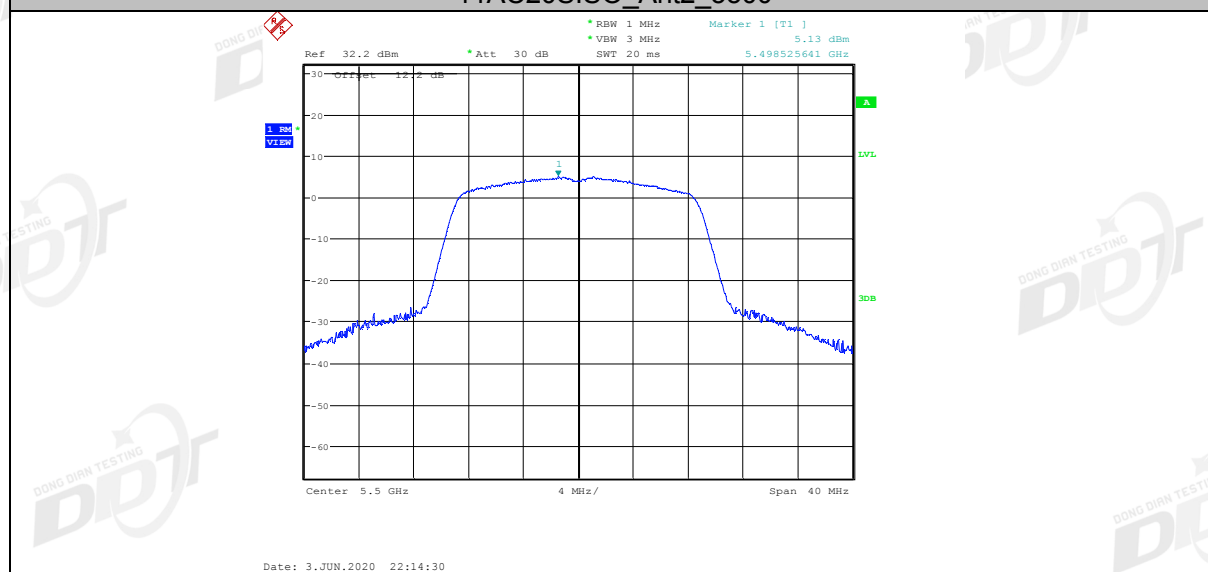




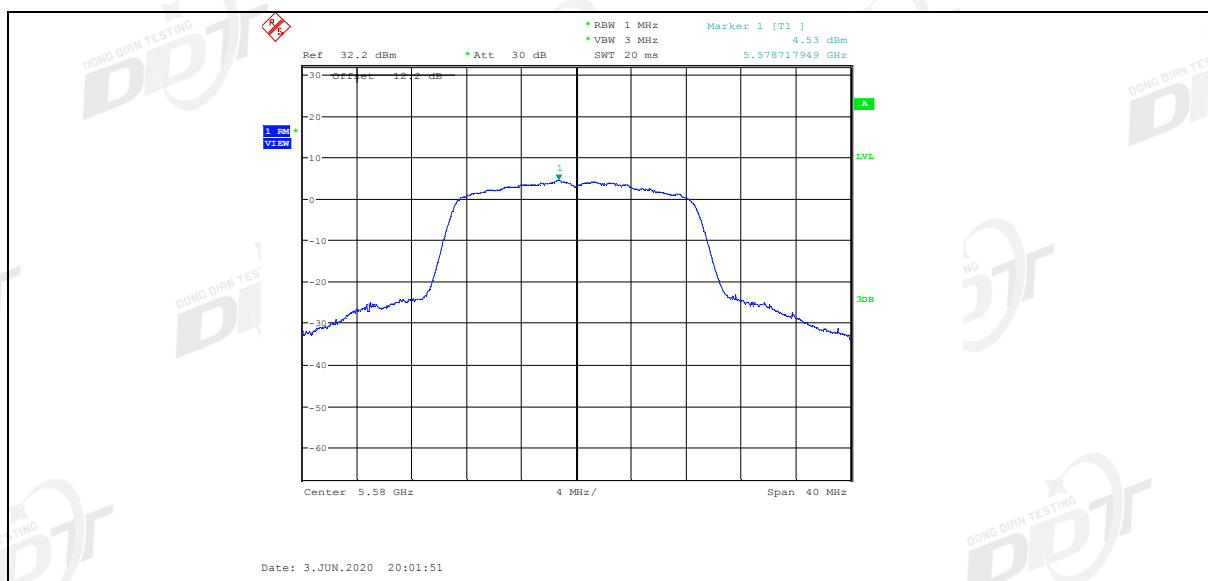
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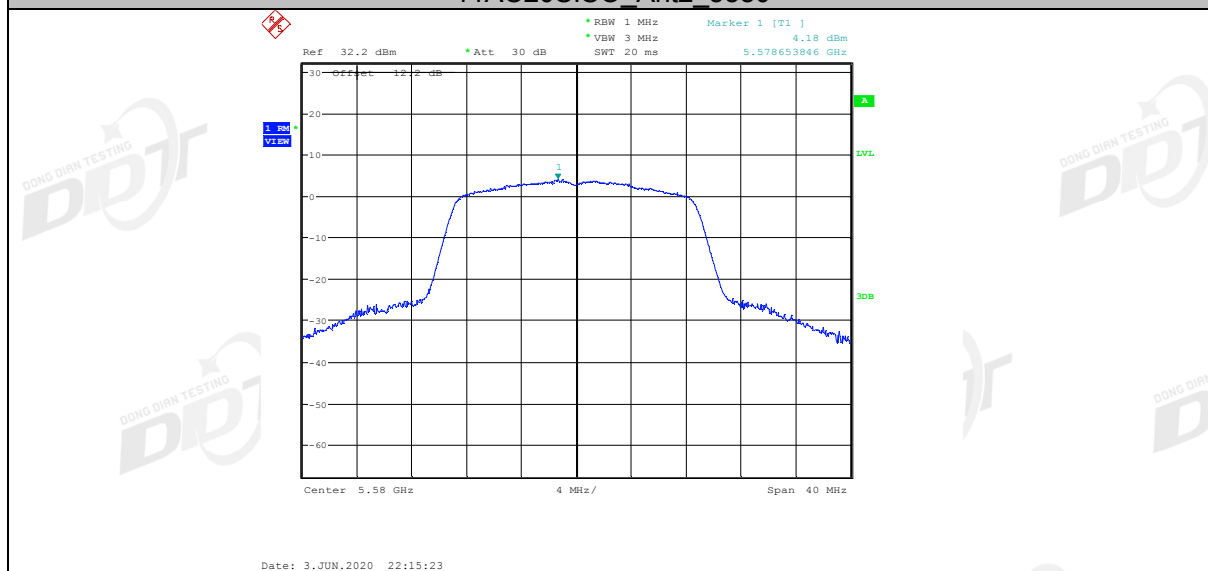
11AC20SISO_Ant2_5500



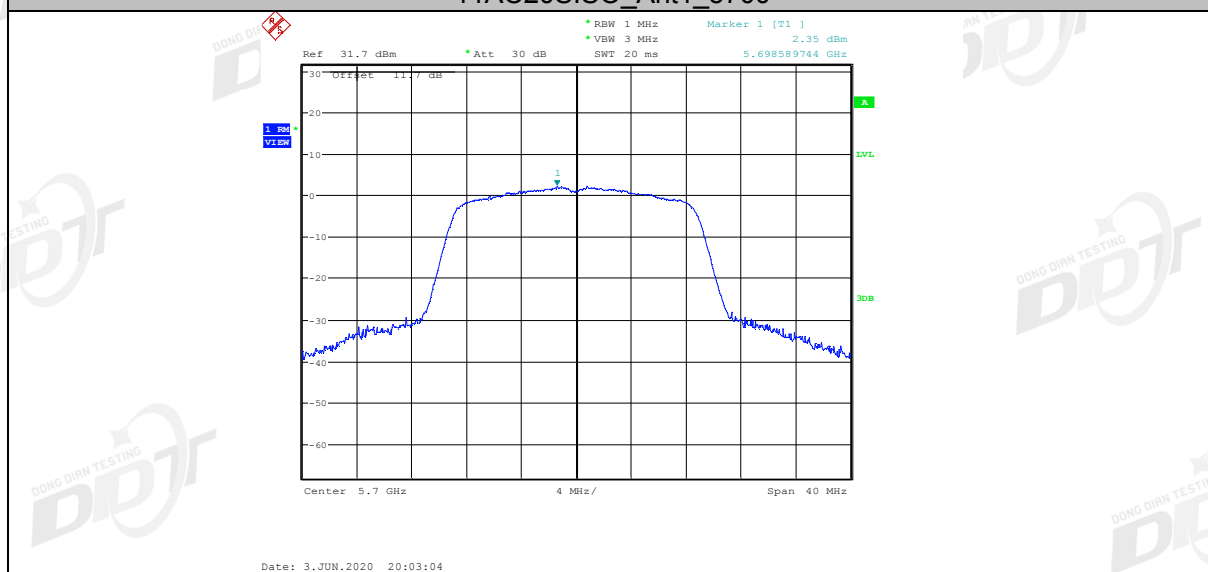
11AC20SISO_Ant1_5580



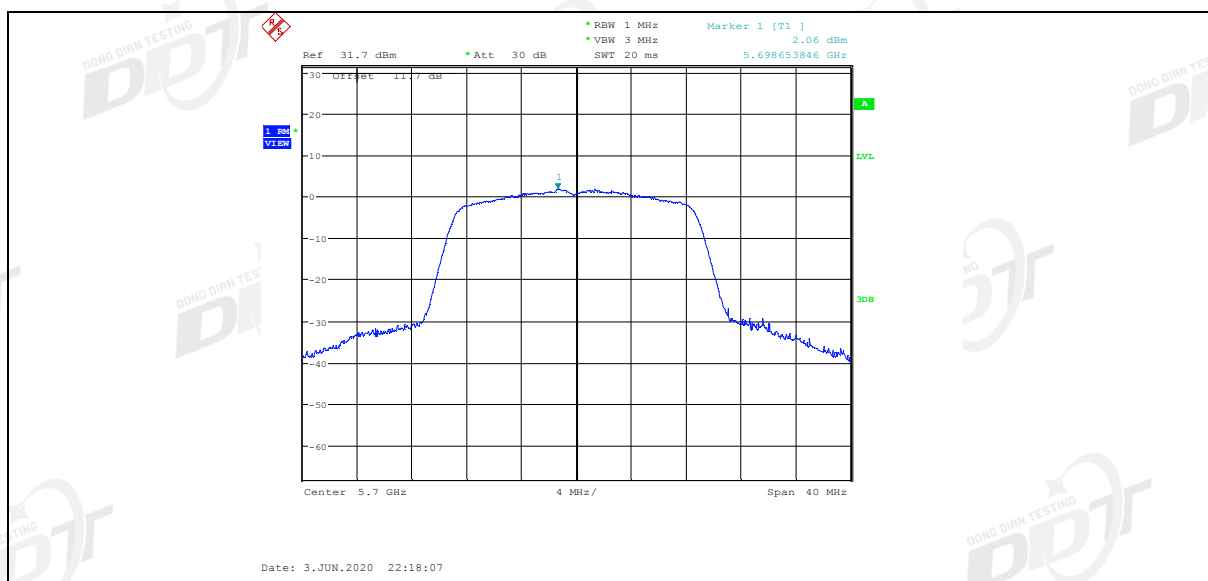
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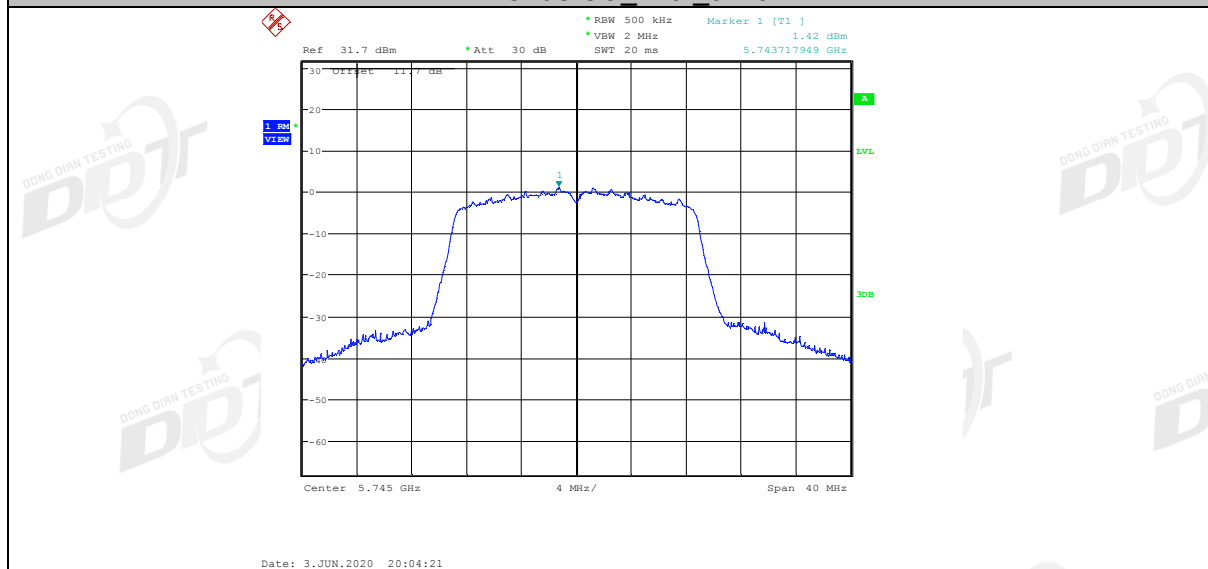
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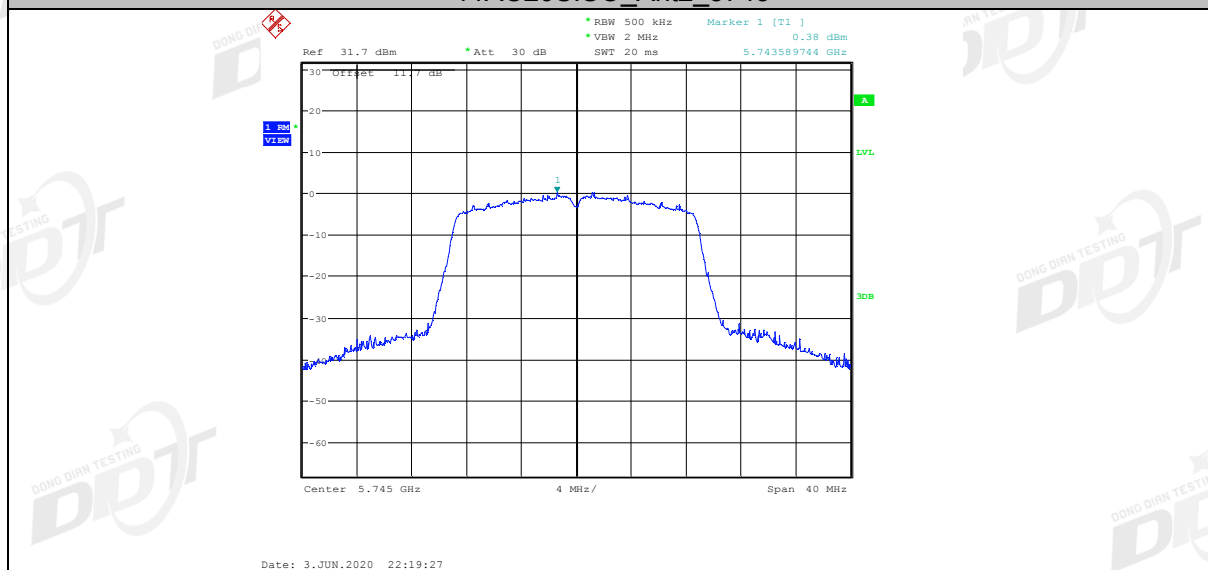
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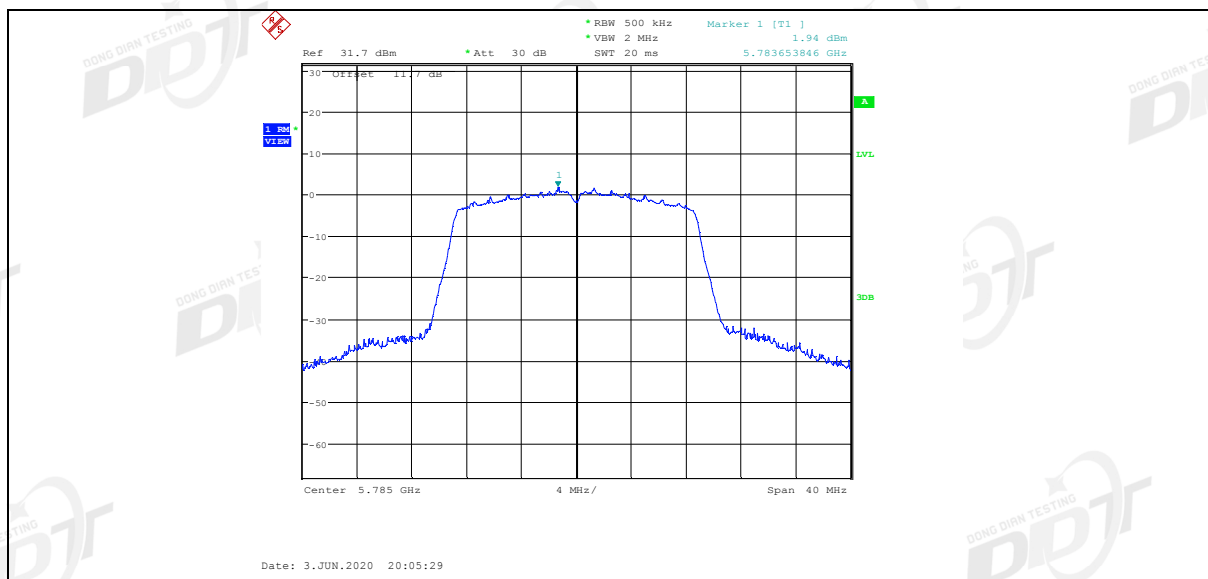
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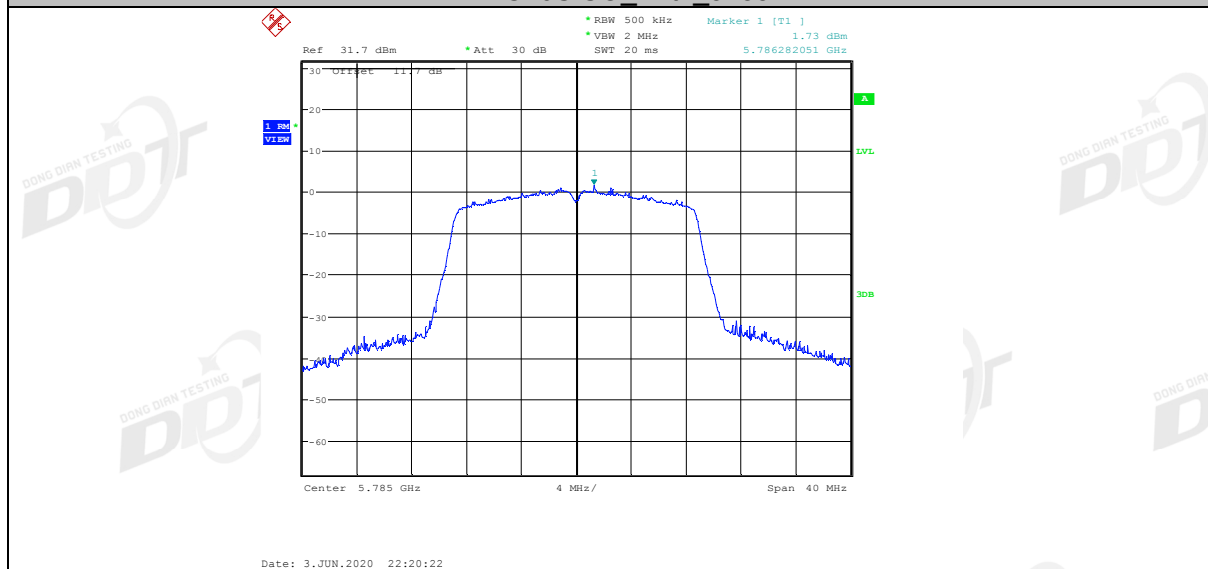
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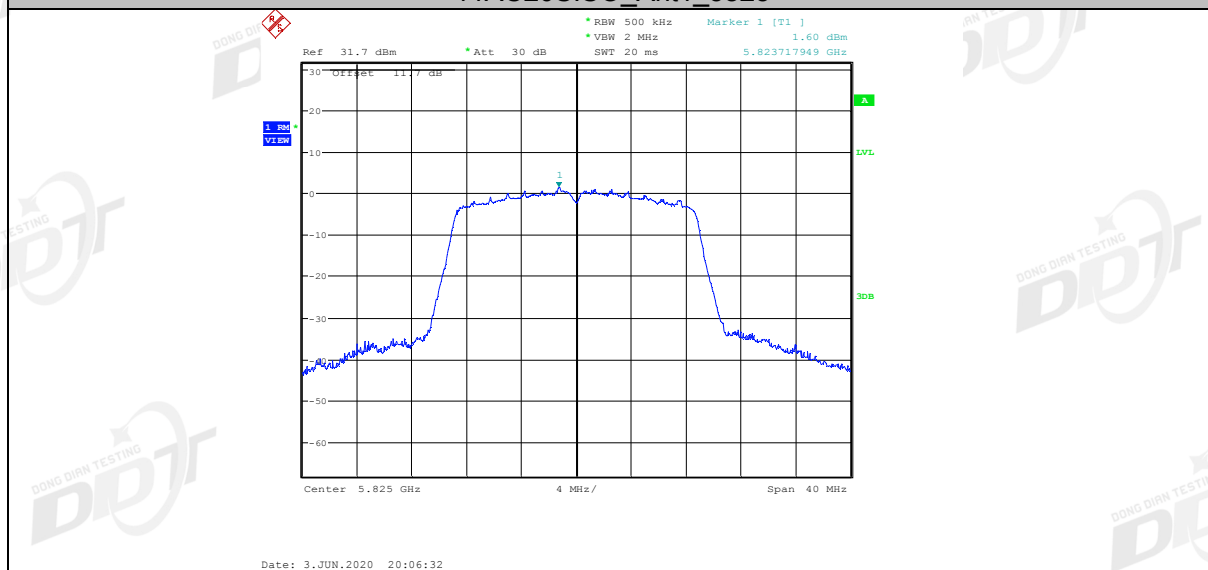
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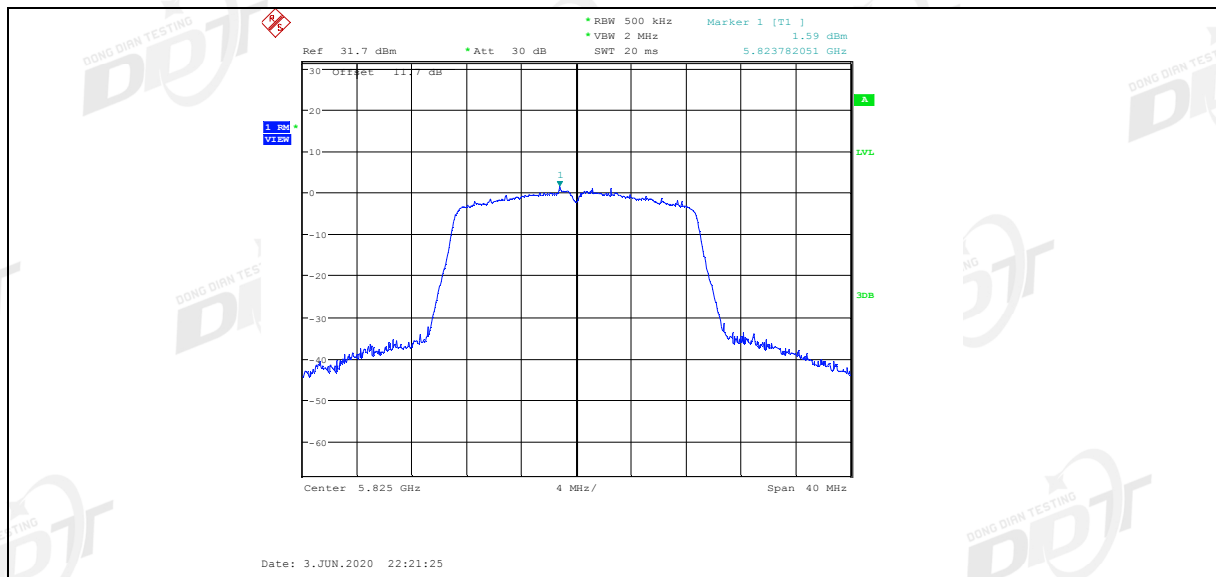
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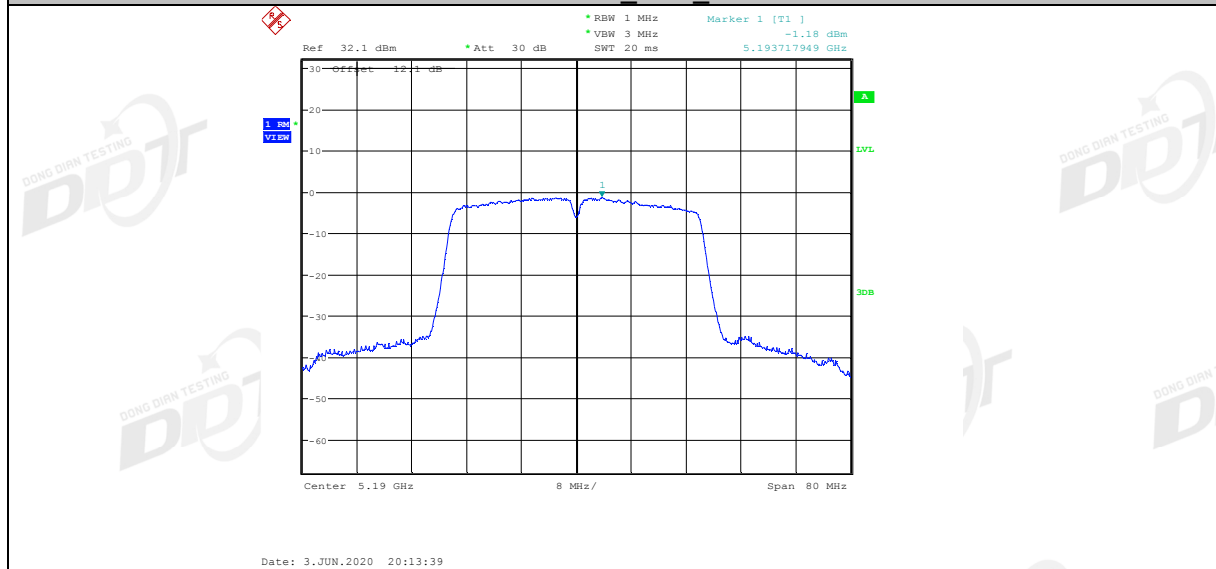
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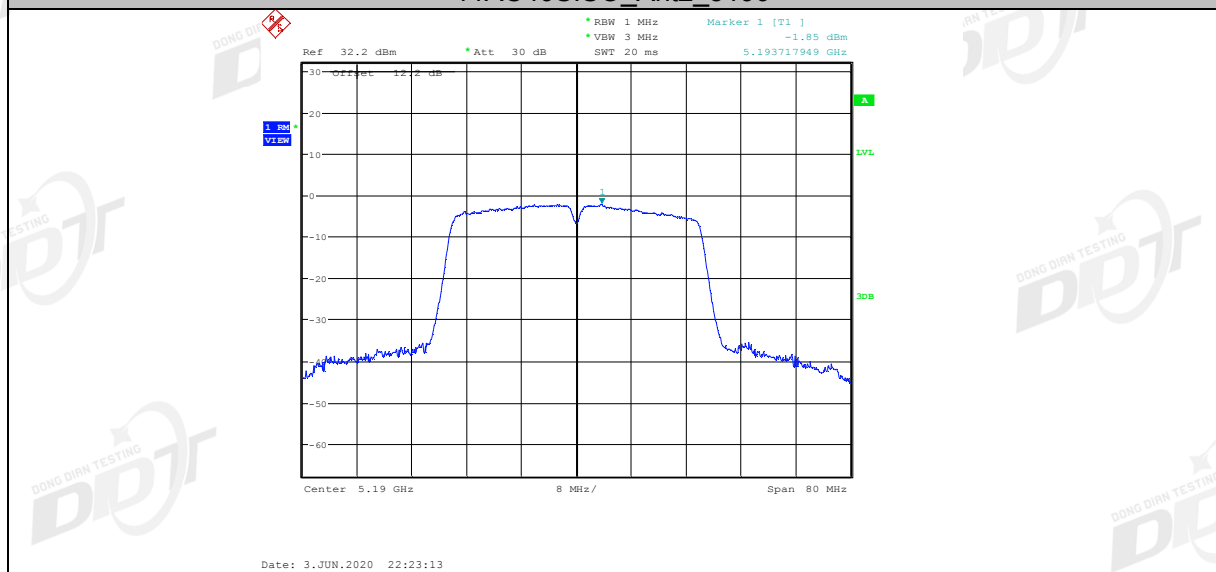
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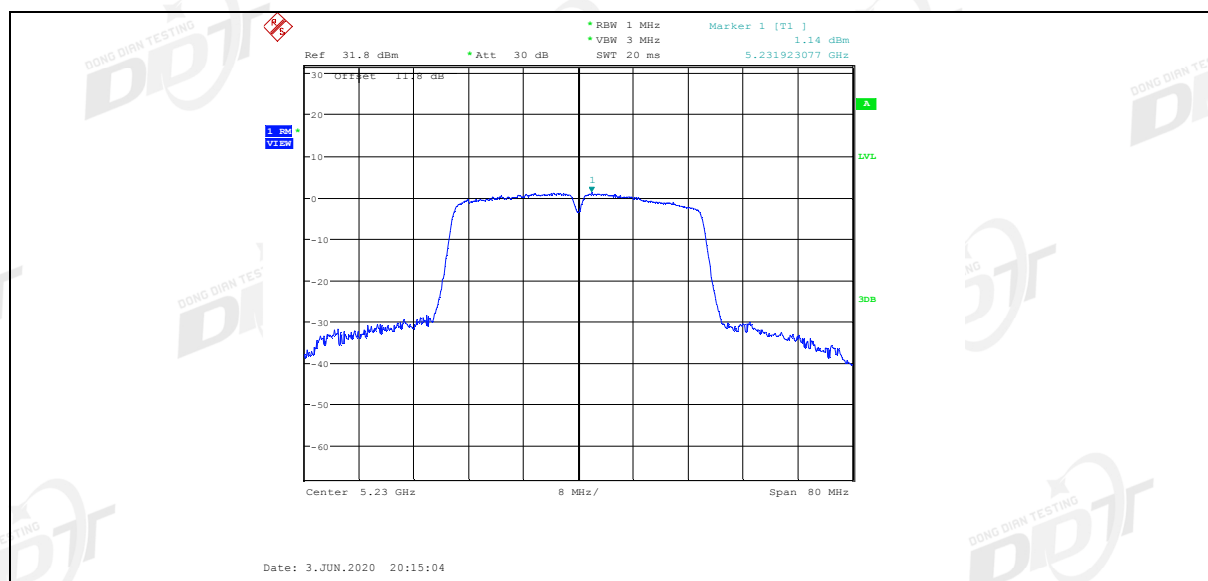
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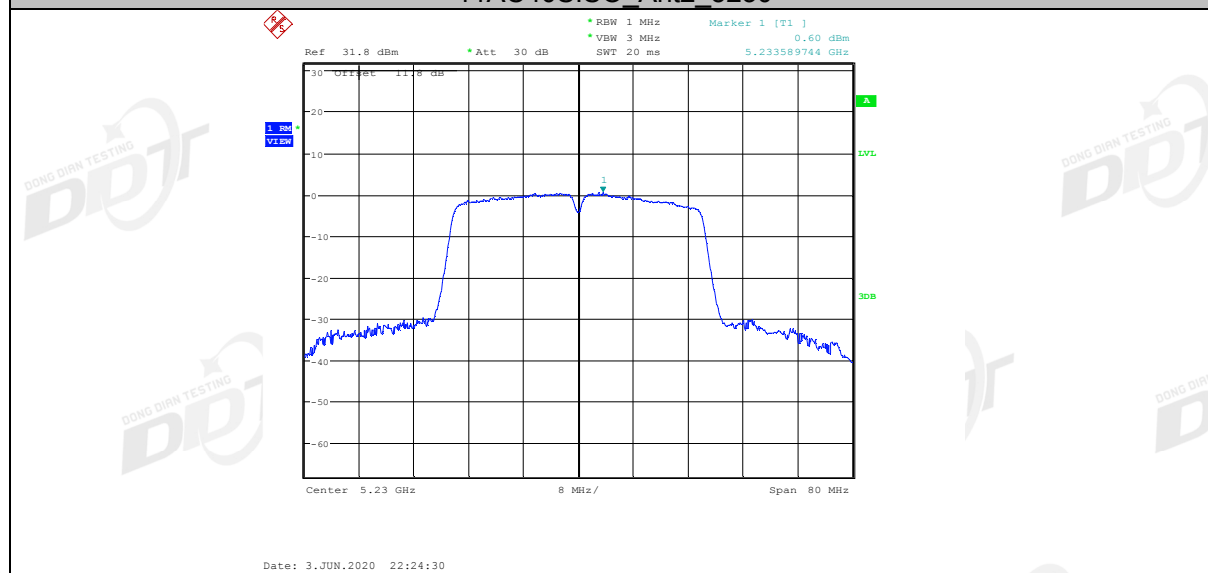
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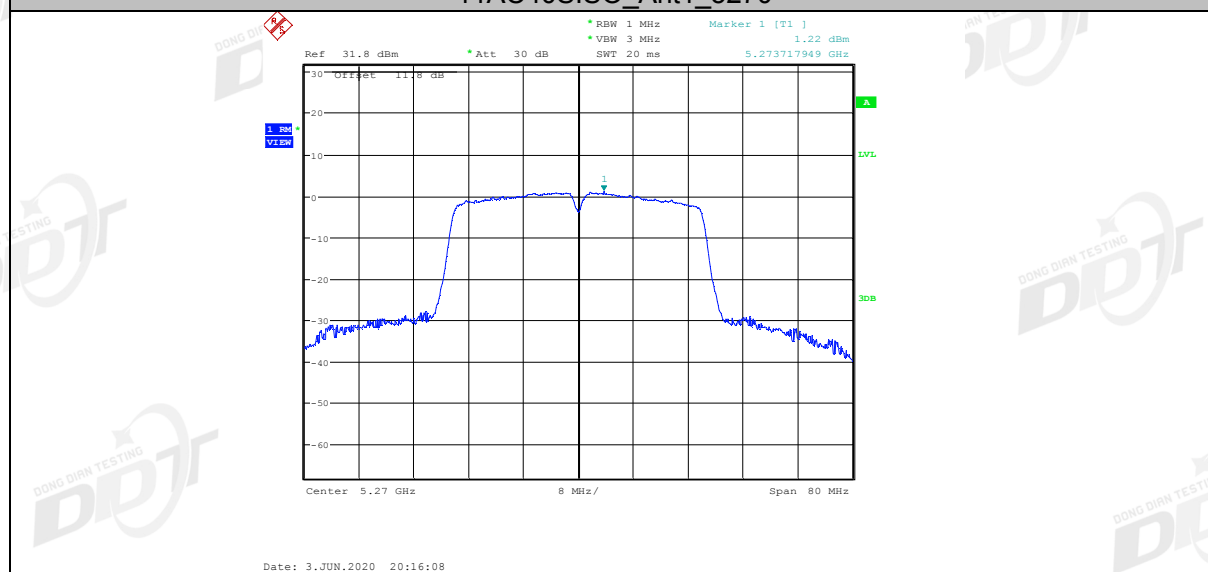
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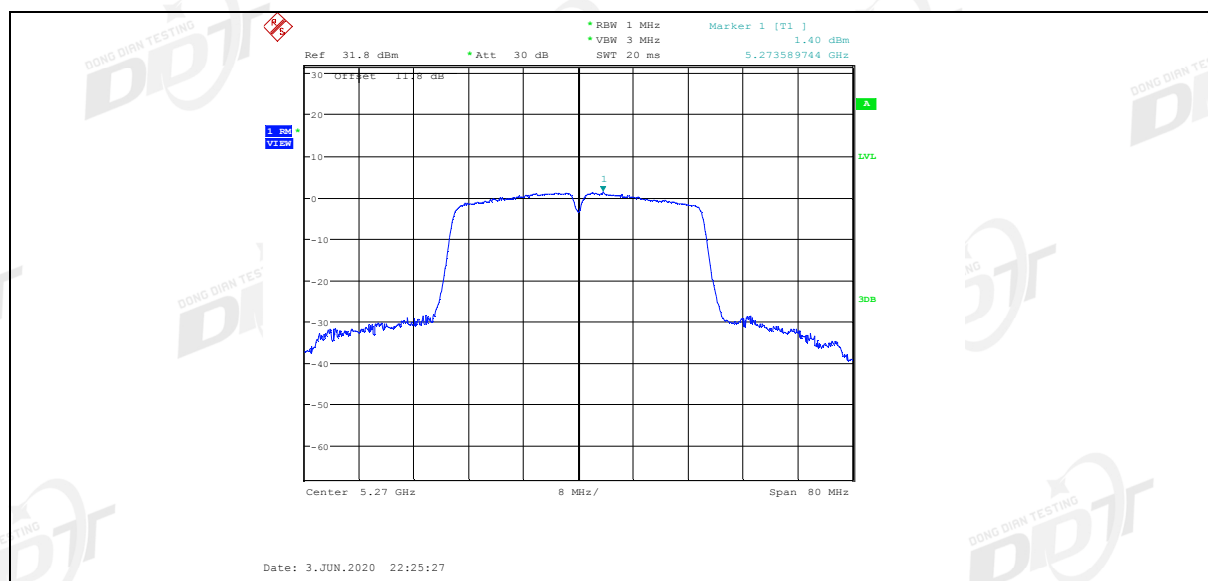
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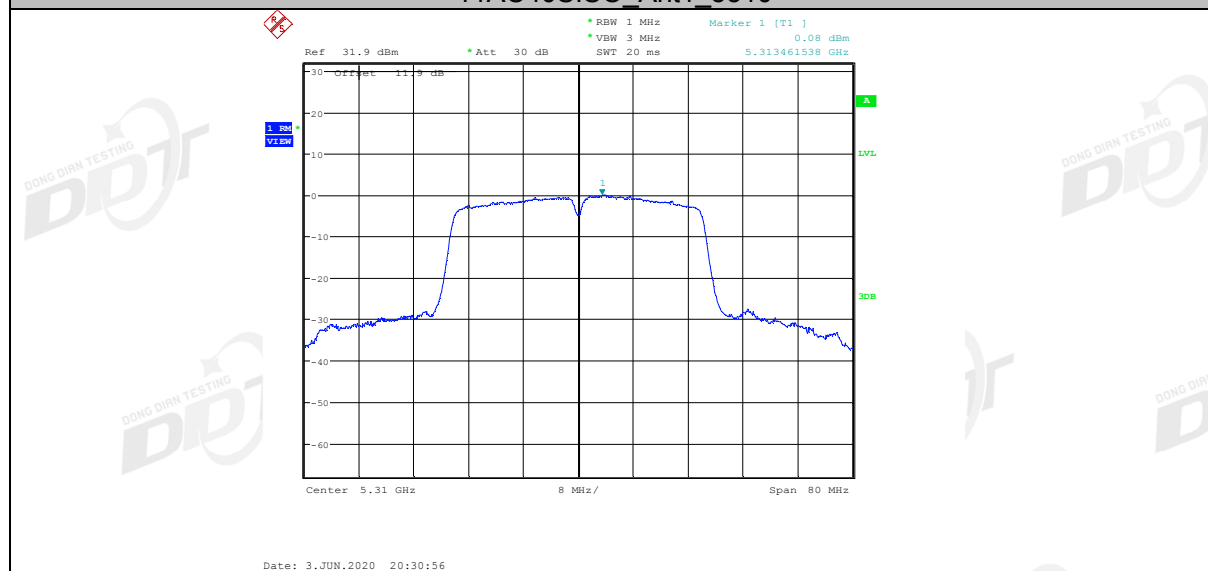
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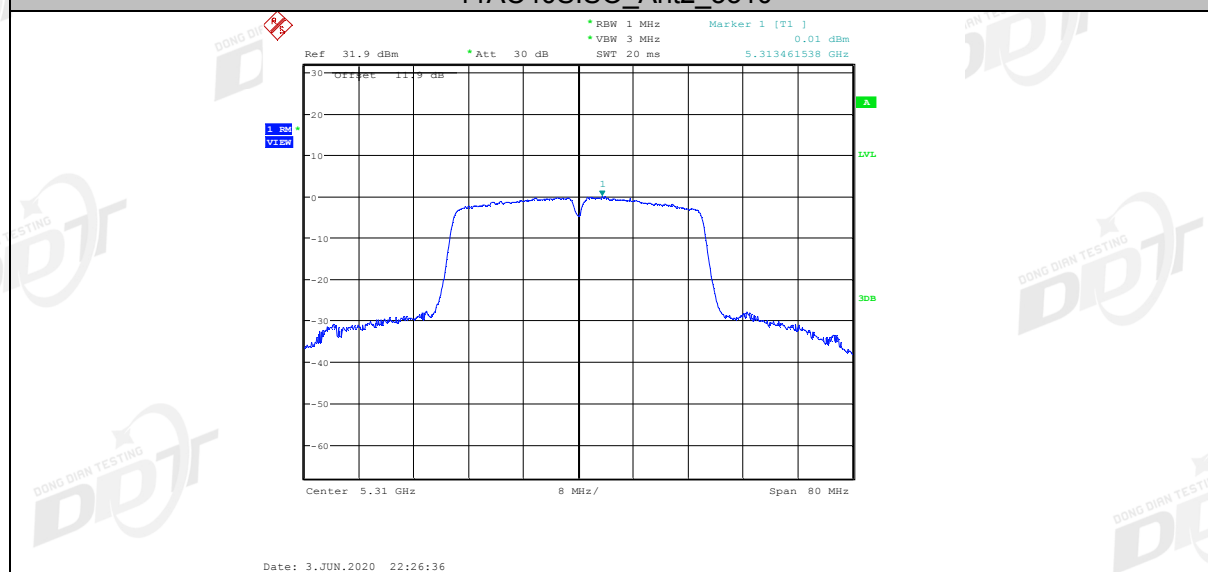
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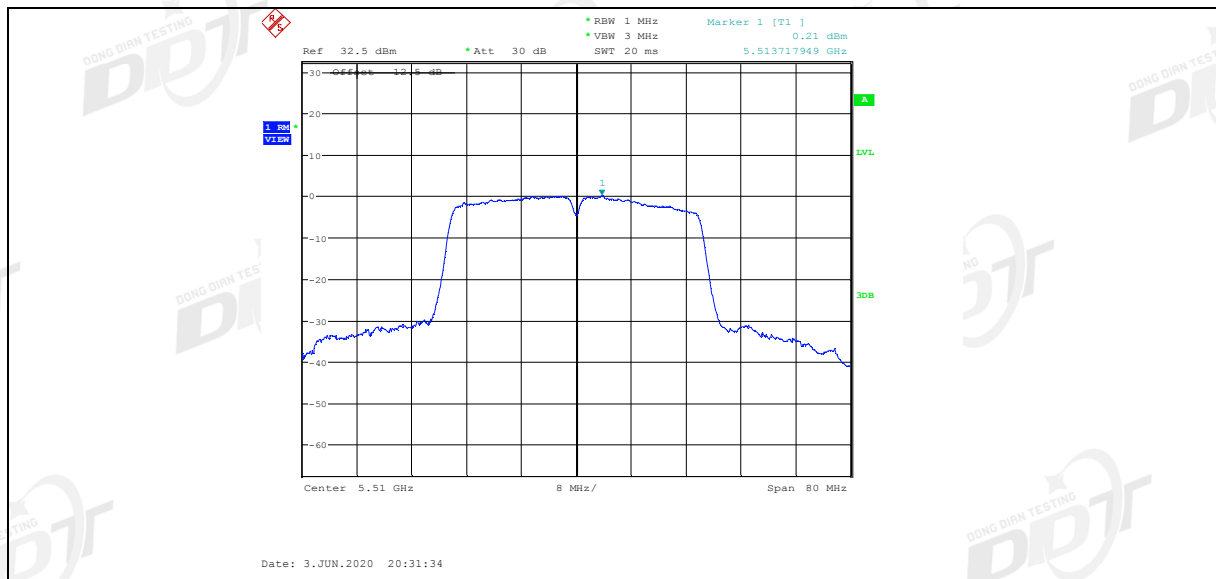
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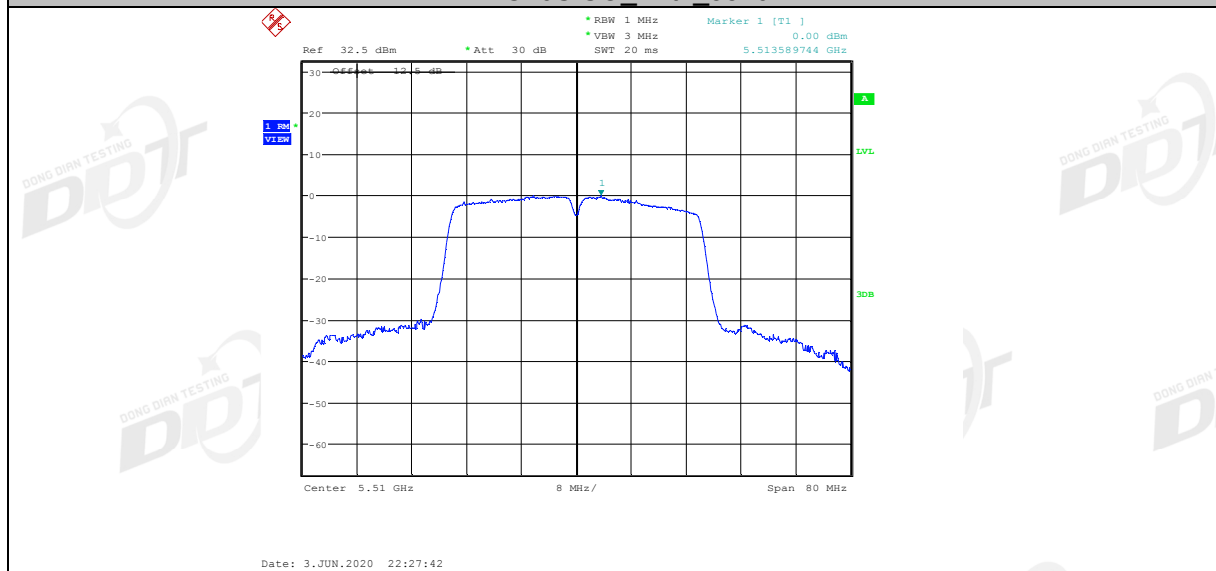
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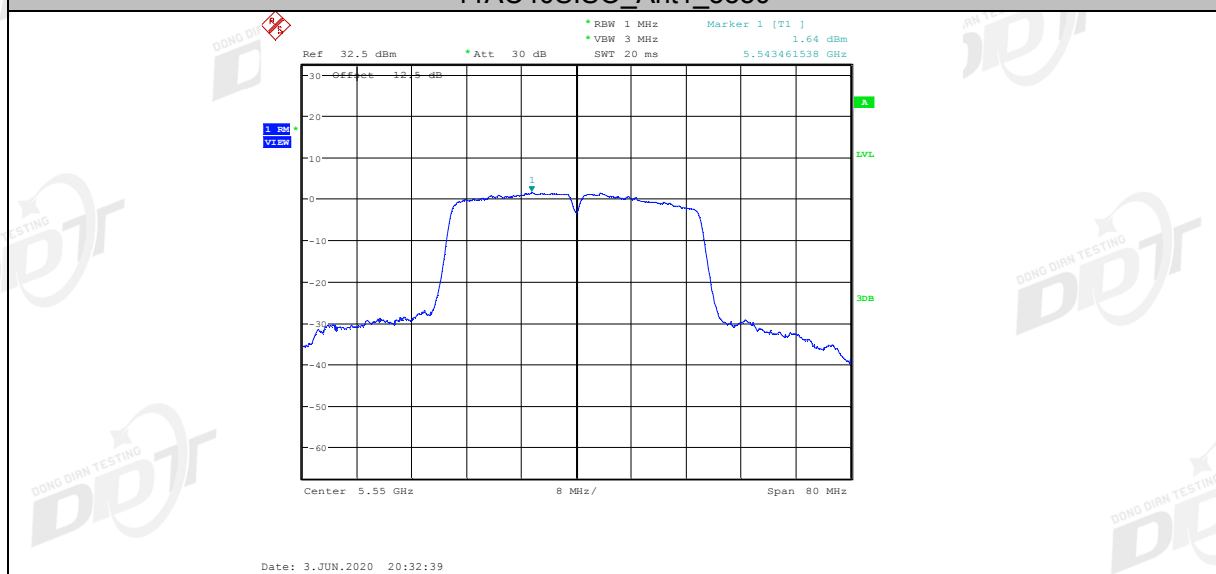
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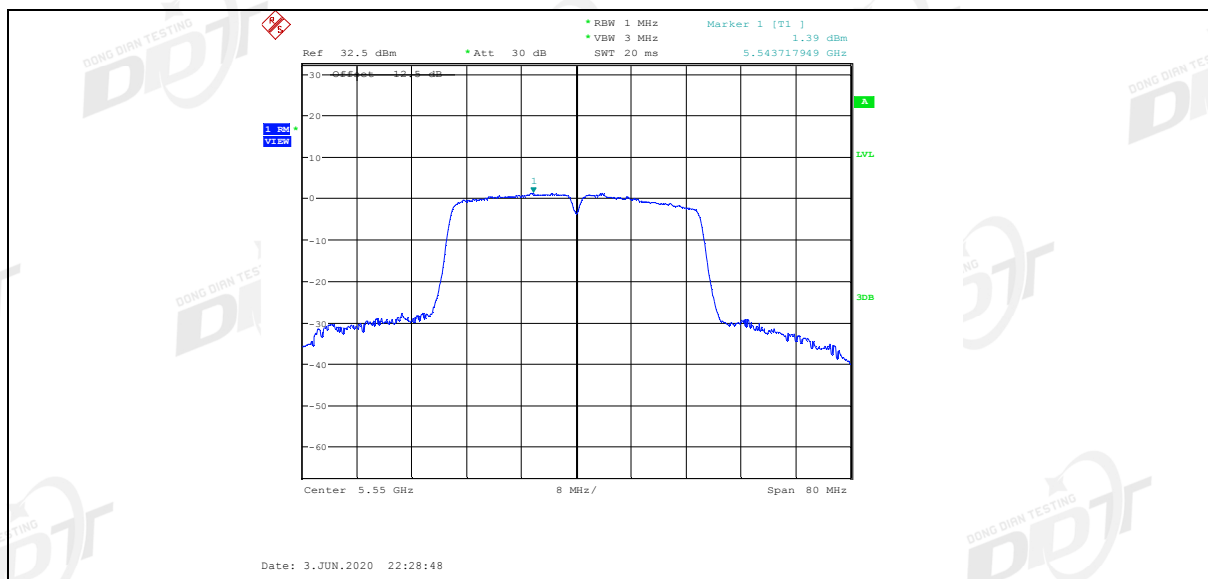
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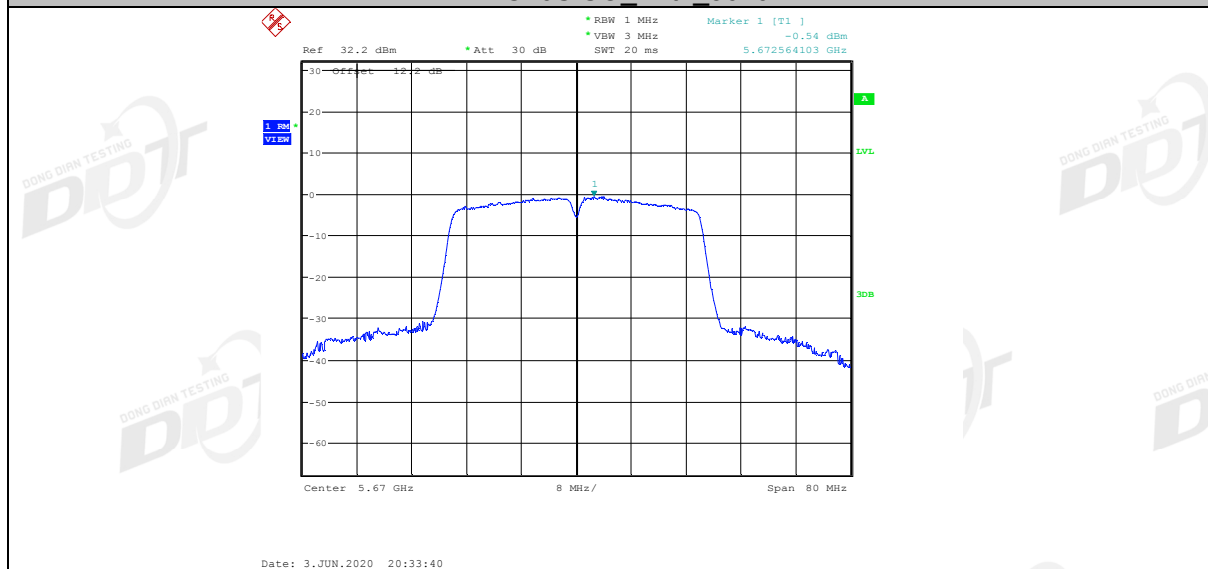
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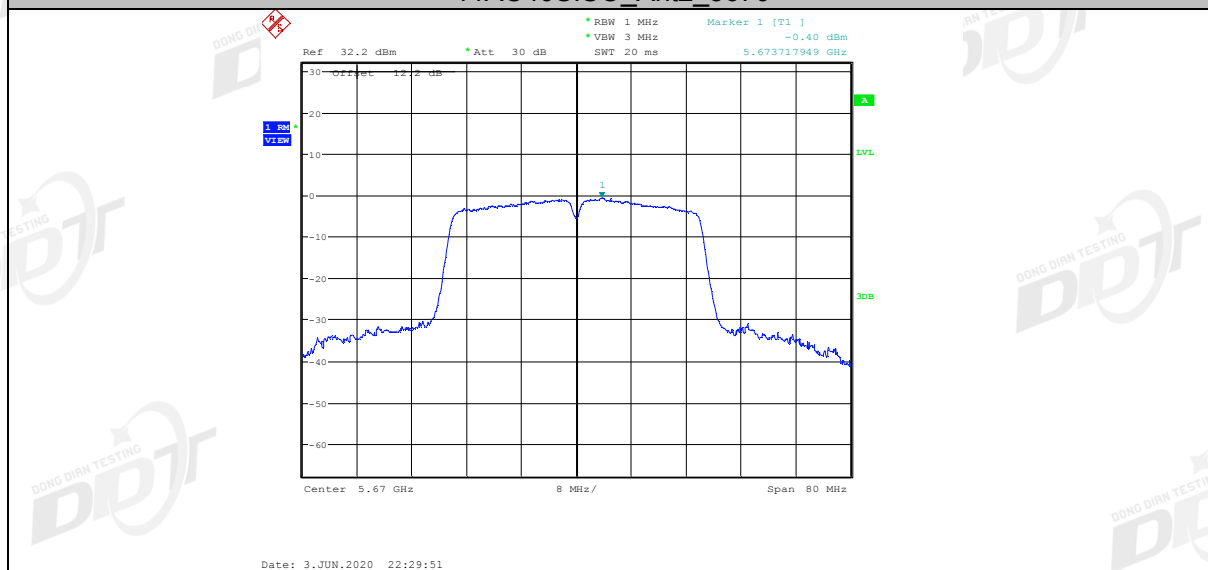
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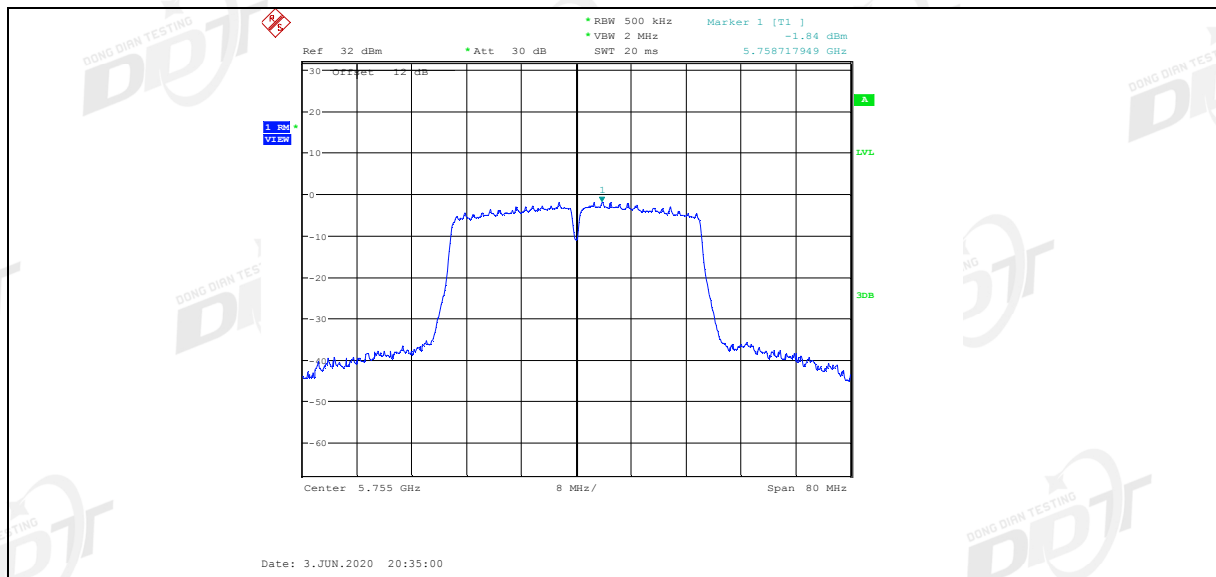
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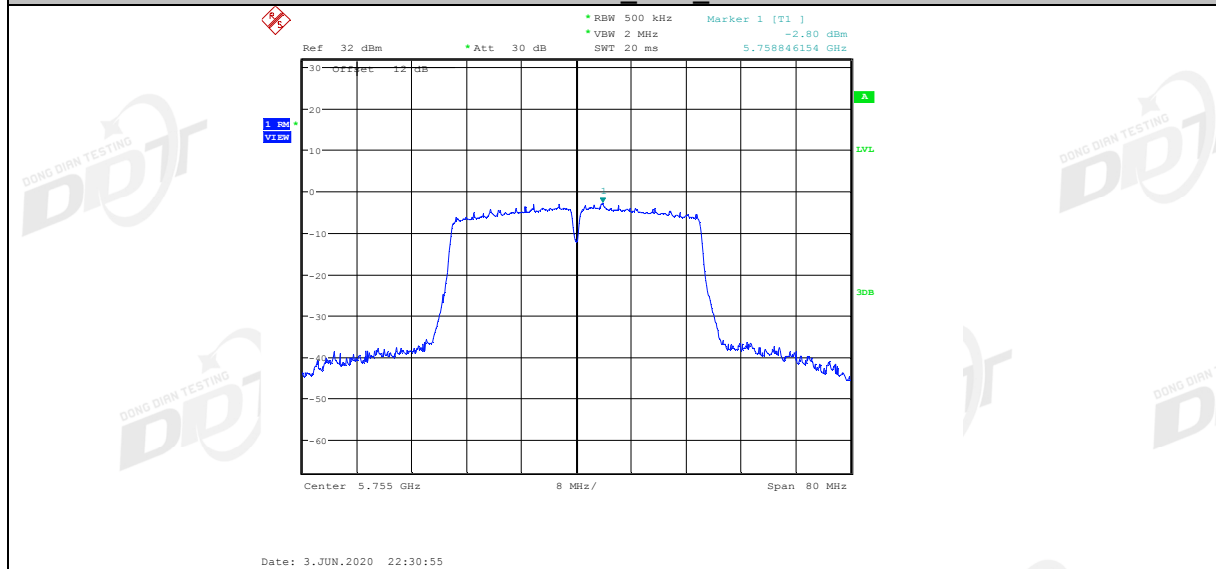
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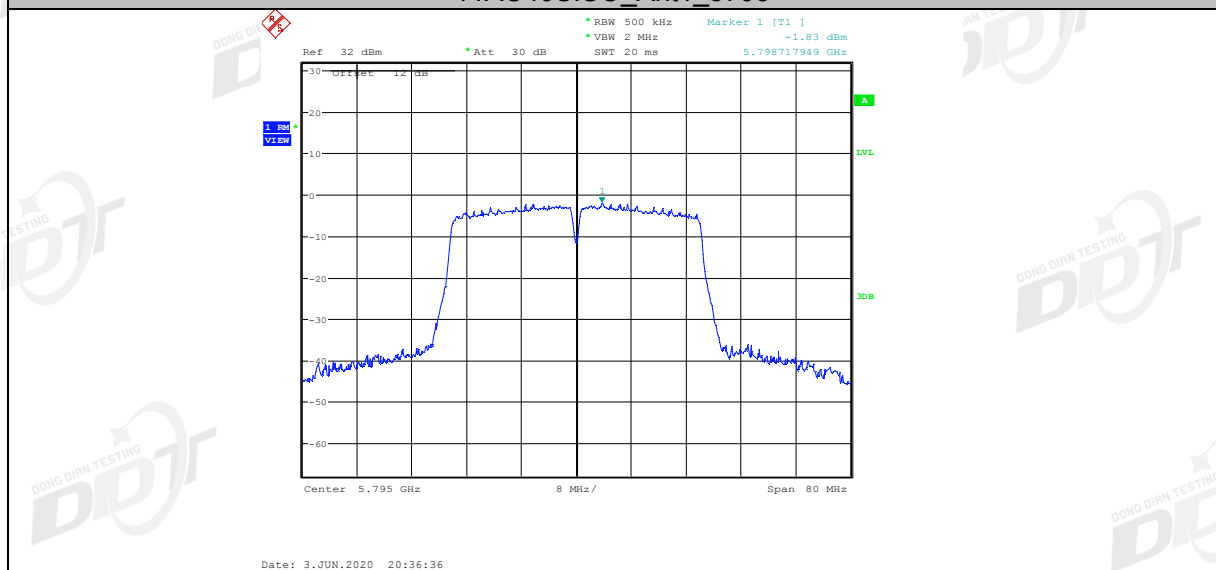
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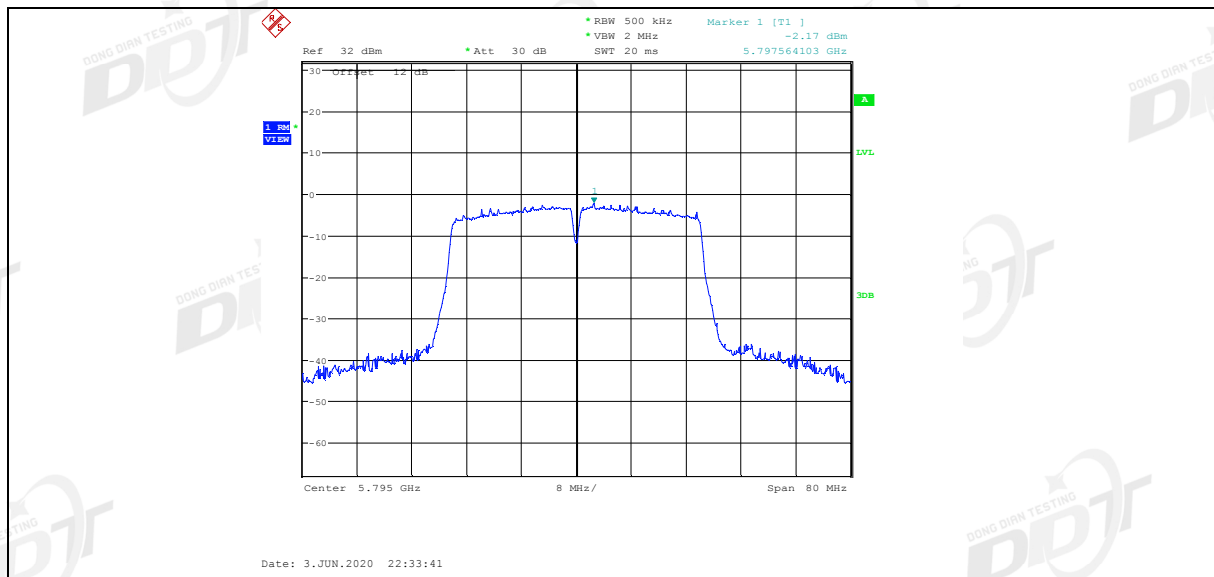
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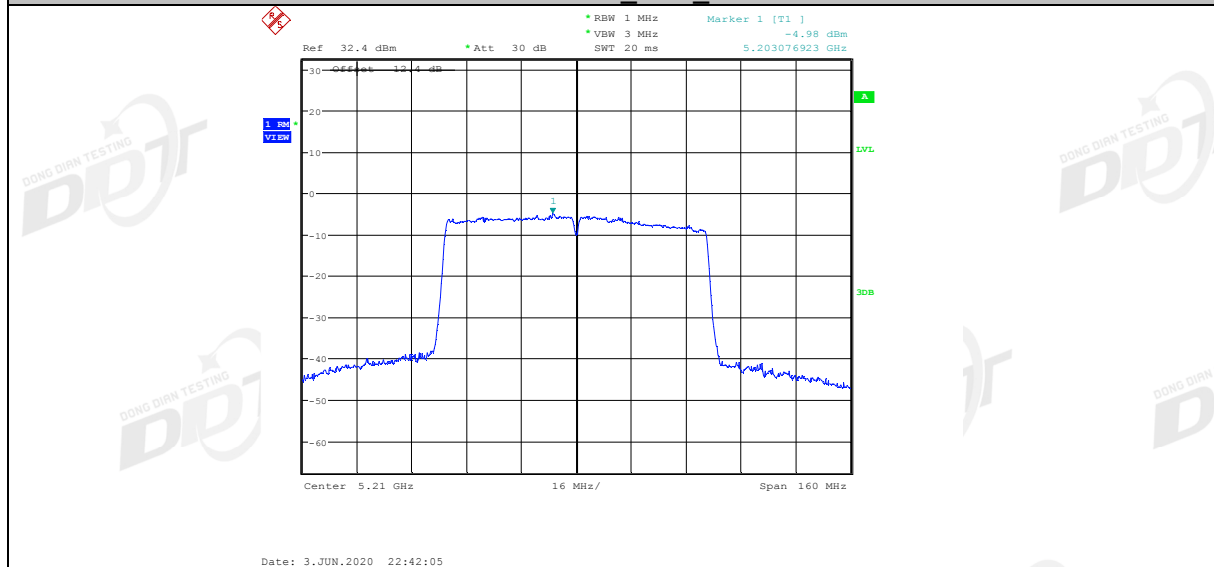
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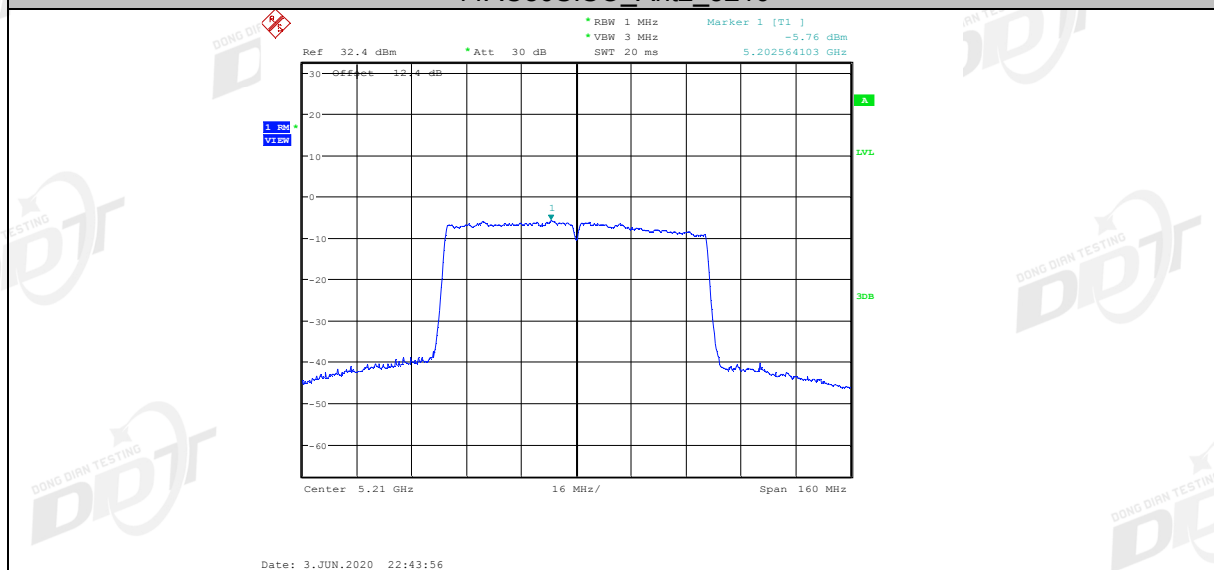
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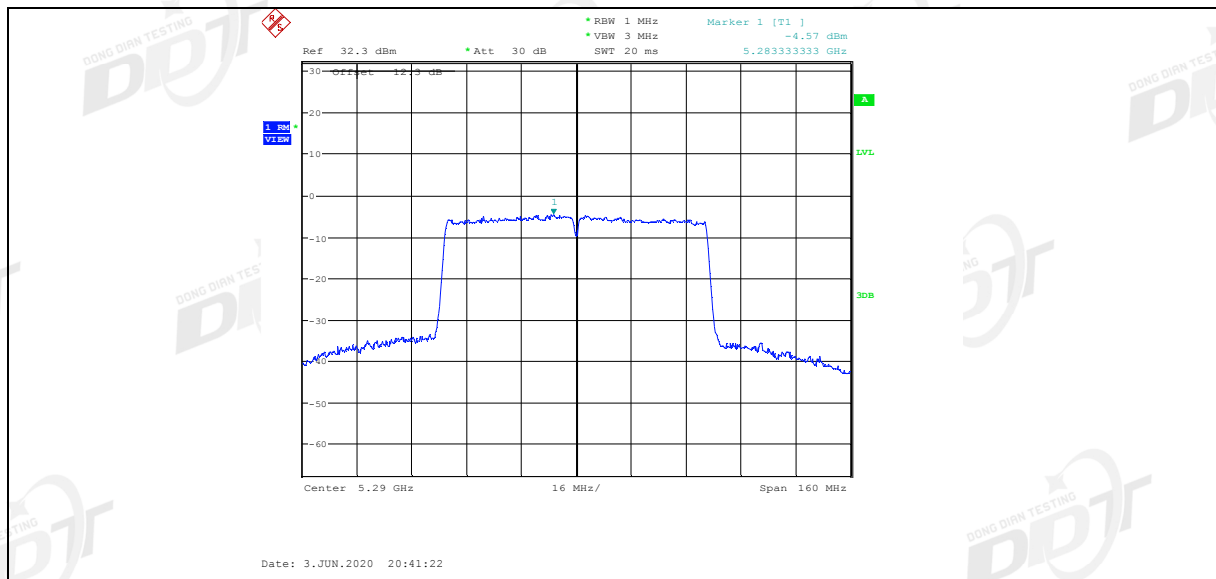
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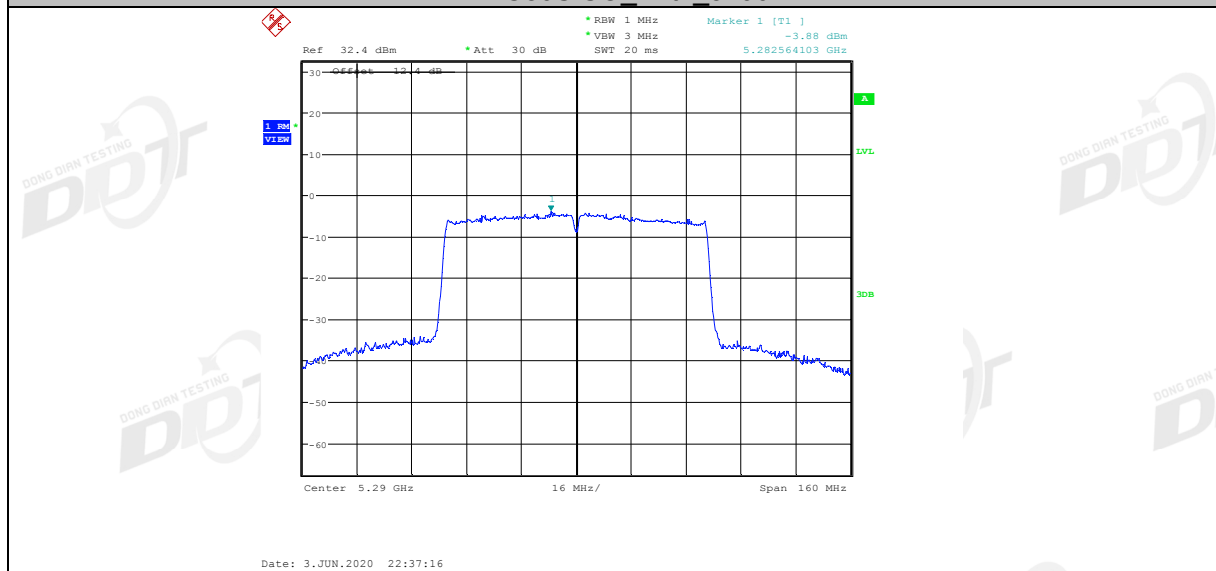
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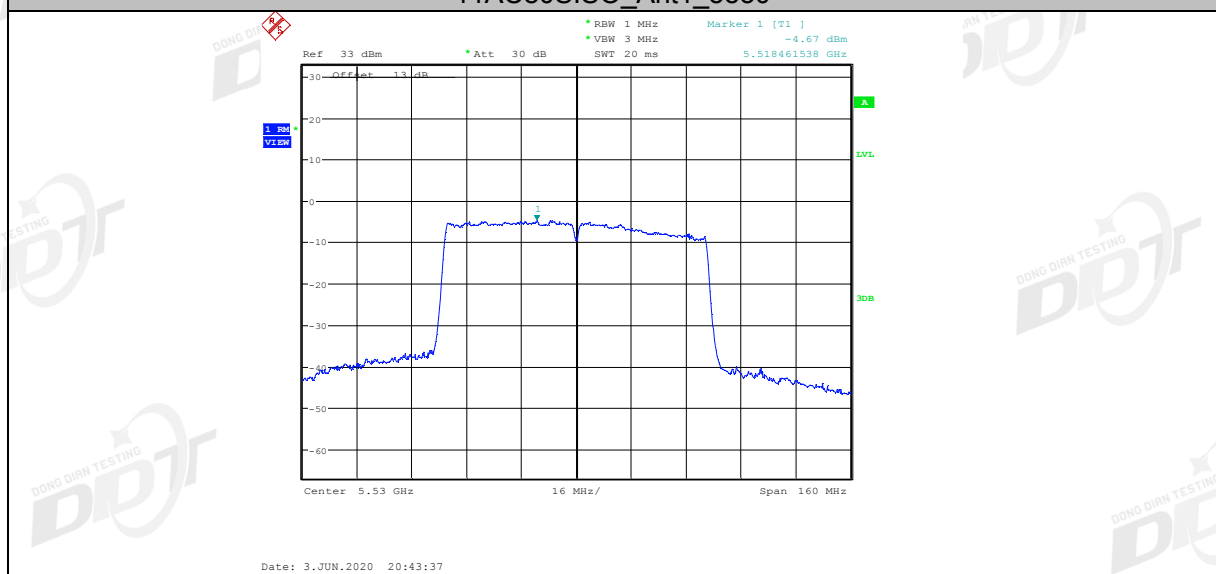
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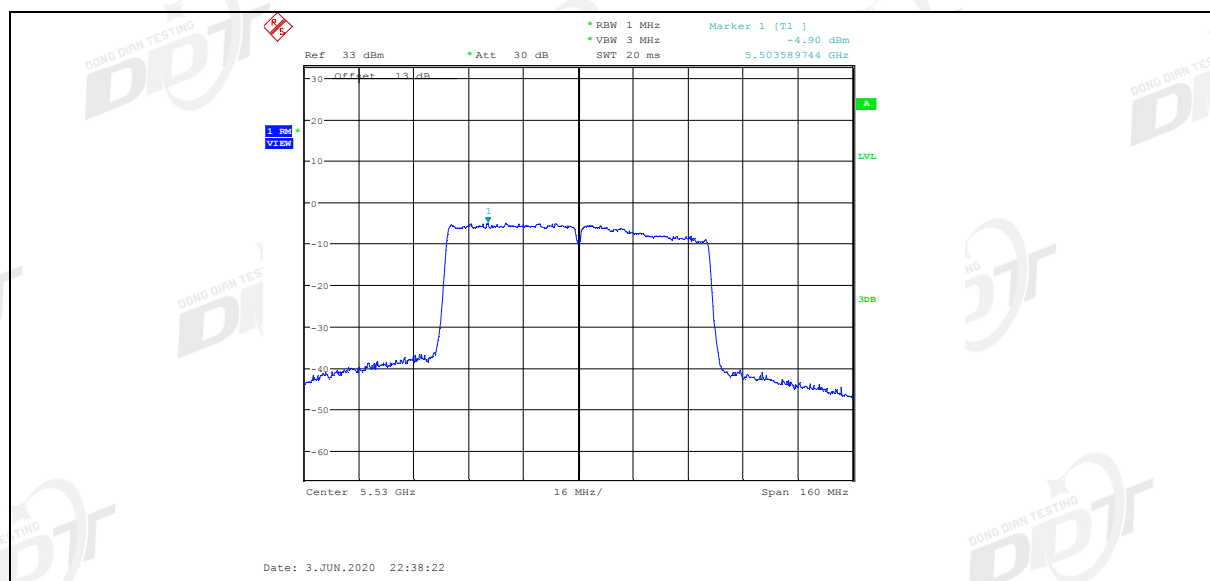
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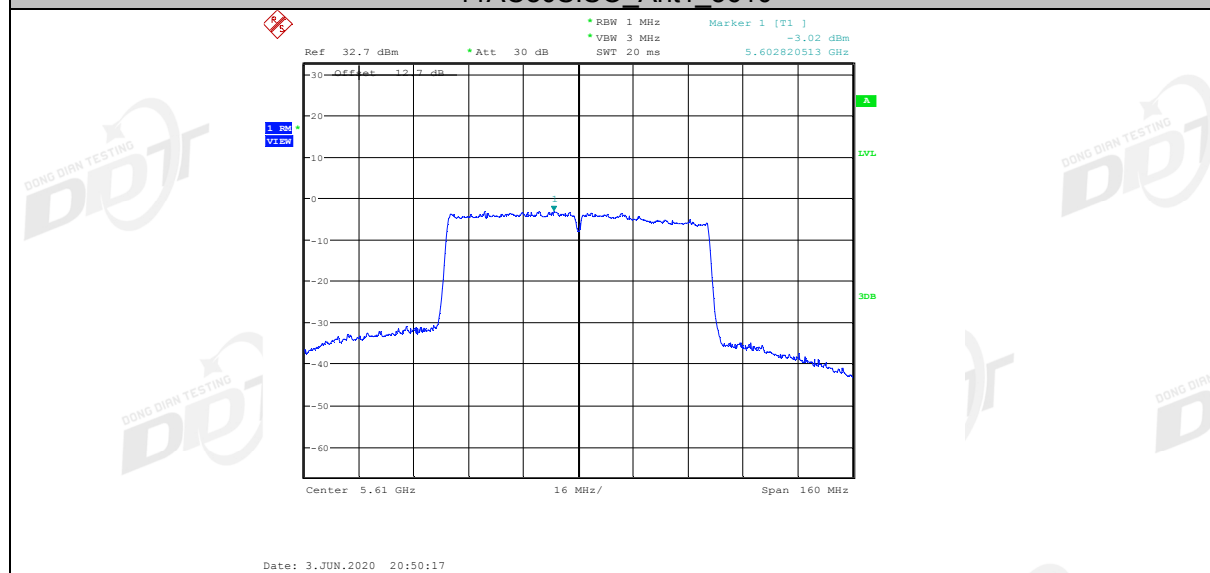
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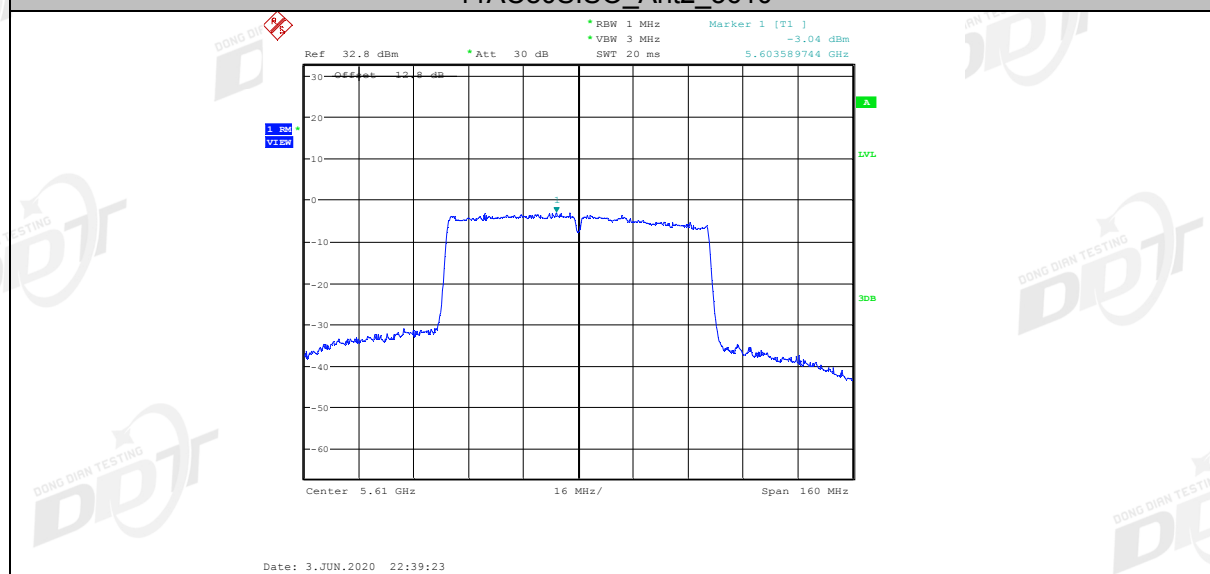
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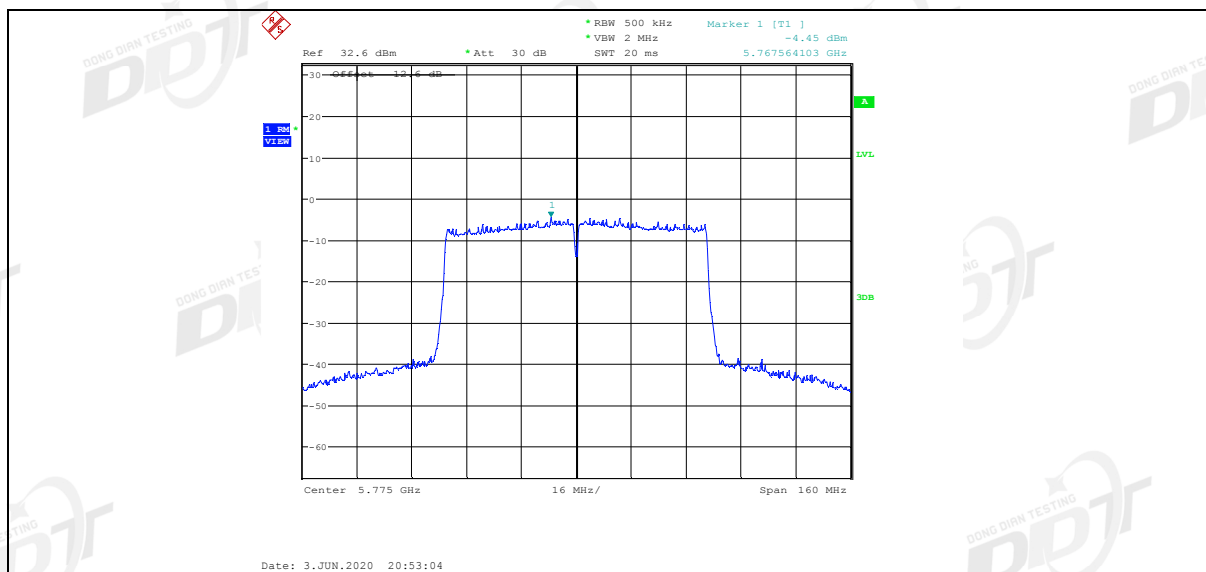
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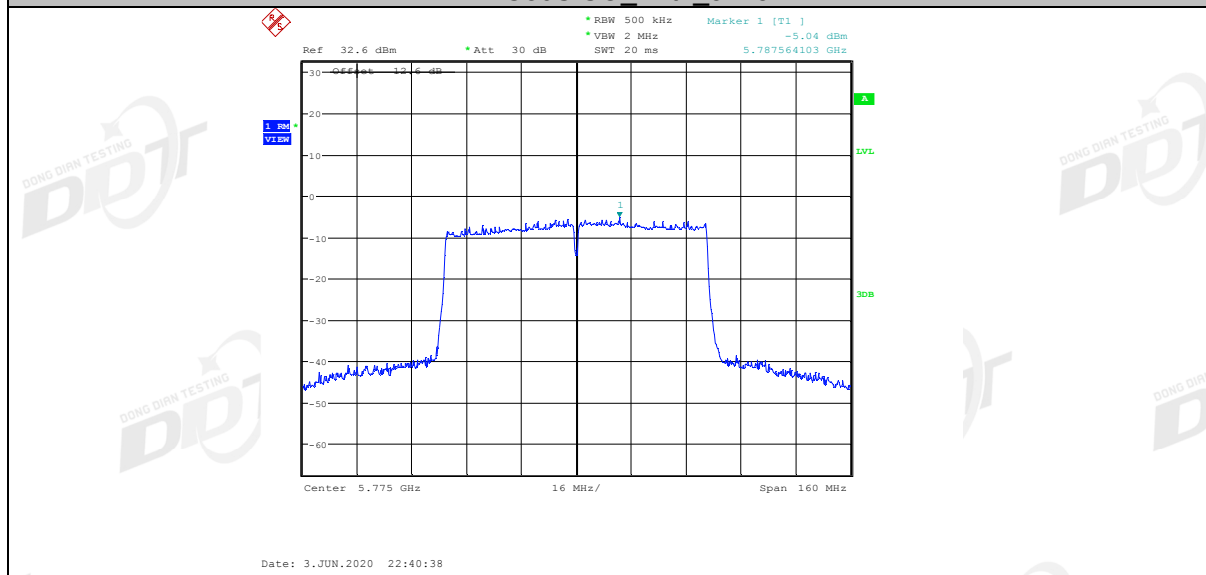
11AC80SISO_Ant2_5610



11AC80SISO_Ant1_5775



11AC80SISO_Ant2_5775



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.

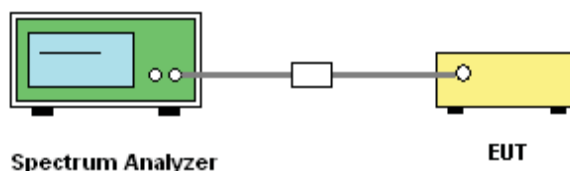
7.3. Test procedures

(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 [V dc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-26000	-5.019305	20	PASS
			LV	NT	-26000	-5.019305	20	PASS
			HV	NT	-26000	-5.019305	20	PASS
	Ant2	5180	NV	NT	-39000	-7.528958	20	PASS
			LV	NT	-39000	-7.528958	20	PASS
			HV	NT	-38000	-7.335907	20	PASS
	Ant1	5200	NV	NT	-31000	-5.961538	20	PASS
			LV	NT	-30000	-5.769231	20	PASS
			HV	NT	-30000	-5.769231	20	PASS
	Ant2	5200	NV	NT	-39000	-7.500000	20	PASS
			LV	NT	-38000	-7.307692	20	PASS
			HV	NT	-37000	-7.115385	20	PASS
	Ant1	5240	NV	NT	-36000	-6.870229	20	PASS
			LV	NT	-34000	-6.488550	20	PASS

			HV	NT	-33000	-6.297710	20	PASS
	Ant2	5240	NV	NT	-39000	-7.442748	20	PASS
			LV	NT	-38000	-7.251908	20	PASS
			HV	NT	-37000	-7.061069	20	PASS
	Ant1	5260	NV	NT	-35000	-6.653992	20	PASS
			LV	NT	-34000	-6.463878	20	PASS
			HV	NT	-32000	-6.083650	20	PASS
	Ant2	5260	NV	NT	-39000	-7.414449	20	PASS
			LV	NT	-41000	-7.794677	20	PASS
			HV	NT	-41000	-7.794677	20	PASS
	Ant1	5280	NV	NT	-35000	-6.628788	20	PASS
			LV	NT	-34000	-6.439394	20	PASS
			HV	NT	-33000	-6.250000	20	PASS
	Ant2	5280	NV	NT	-40000	-7.575758	20	PASS
			LV	NT	-42000	-7.954545	20	PASS
			HV	NT	-41000	-7.765152	20	PASS
	Ant1	5320	NV	NT	-36000	-6.766917	20	PASS
			LV	NT	-34000	-6.390977	20	PASS
			HV	NT	-33000	-6.203008	20	PASS
	Ant2	5320	NV	NT	-41000	-7.706767	20	PASS
			LV	NT	-41000	-7.706767	20	PASS
			HV	NT	-40000	-7.518797	20	PASS
	Ant1	5500	NV	NT	-34000	-6.181818	20	PASS
			LV	NT	-34000	-6.181818	20	PASS
			HV	NT	-33000	-6.000000	20	PASS
	Ant2	5500	NV	NT	-43000	-7.818182	20	PASS
			LV	NT	-42000	-7.636364	20	PASS
			HV	NT	-43000	-7.818182	20	PASS
	Ant1	5580	NV	NT	-37000	-6.630824	20	PASS
			LV	NT	-36000	-6.451613	20	PASS
			HV	NT	-34000	-6.093190	20	PASS
	Ant2	5580	NV	NT	-42000	-7.526882	20	PASS
			LV	NT	-44000	-7.885305	20	PASS
			HV	NT	-42000	-7.526882	20	PASS
	Ant1	5700	NV	NT	-39000	-6.842105	20	PASS
			LV	NT	-37000	-6.491228	20	PASS
			HV	NT	-36000	-6.315789	20	PASS
	Ant2	5700	NV	NT	-43000	-7.543860	20	PASS
			LV	NT	-45000	-7.894737	20	PASS
			HV	NT	-45000	-7.894737	20	PASS
	Ant1	5745	NV	NT	-40000	-6.962576	20	PASS
			LV	NT	-39000	-6.788512	20	PASS
			HV	NT	-37000	-6.440383	20	PASS
	Ant2	5745	NV	NT	-43000	-7.484769	20	PASS
			LV	NT	-43000	-7.484769	20	PASS
			HV	NT	-43000	-7.484769	20	PASS
	Ant1	5785	NV	NT	-32000	-5.531547	20	PASS
			LV	NT	-32000	-5.531547	20	PASS
			HV	NT	-32000	-5.531547	20	PASS
	Ant2	5785	NV	NT	-43000	-7.433016	20	PASS
			LV	NT	-45000	-7.778738	20	PASS

	Ant1	5825	HV	NT	-45000	-7.778738	20	PASS
			NV	NT	-41000	-7.038627	20	PASS
			LV	NT	-40000	-6.866953	20	PASS
	Ant2	5825	HV	NT	-38000	-6.523605	20	PASS
			NV	NT	-45000	-7.725322	20	PASS
			LV	NT	-45000	-7.725322	20	PASS
	HV	NT	-46000	-7.896996	20	PASS		
11N20 SISO	Ant1	5180	NV	NT	-37000	-7.142857	20	PASS
			LV	NT	-36000	-6.949807	20	PASS
			HV	NT	-34000	-6.563707	20	PASS
	Ant2	5180	NV	NT	-39000	-7.528958	20	PASS
			LV	NT	-38000	-7.335907	20	PASS
			HV	NT	-37000	-7.142857	20	PASS
	Ant1	5200	NV	NT	-39000	-7.500000	20	PASS
			LV	NT	-38000	-7.307692	20	PASS
			HV	NT	-37000	-7.115385	20	PASS
	Ant2	5200	NV	NT	-39000	-7.500000	20	PASS
			LV	NT	-38000	-7.307692	20	PASS
			HV	NT	-37000	-7.115385	20	PASS
	Ant1	5240	NV	NT	-38000	-7.251908	20	PASS
			LV	NT	-37000	-7.061069	20	PASS
			HV	NT	-36000	-6.870229	20	PASS
	Ant2	5240	NV	NT	-38000	-7.251908	20	PASS
			LV	NT	-37000	-7.061069	20	PASS
			HV	NT	-37000	-7.061069	20	PASS
	Ant1	5260	NV	NT	-31000	-5.893536	20	PASS
			LV	NT	-31000	-5.893536	20	PASS
			HV	NT	-31000	-5.893536	20	PASS
	Ant2	5260	NV	NT	-38000	-7.224335	20	PASS
			LV	NT	-37000	-7.034221	20	PASS
			HV	NT	-36000	-6.844106	20	PASS
	Ant1	5280	NV	NT	-37000	-7.007576	20	PASS
			LV	NT	-36000	-6.818182	20	PASS
			HV	NT	-35000	-6.628788	20	PASS
	Ant2	5280	NV	NT	-38000	-7.196970	20	PASS
			LV	NT	-37000	-7.007576	20	PASS
			HV	NT	-36000	-6.818182	20	PASS
	Ant1	5320	NV	NT	-38000	-7.142857	20	PASS
			LV	NT	-36000	-6.766917	20	PASS
			HV	NT	-35000	-6.578947	20	PASS
	Ant2	5320	NV	NT	-39000	-7.330827	20	PASS
			LV	NT	-38000	-7.142857	20	PASS
			HV	NT	-37000	-6.954887	20	PASS
	Ant1	5500	NV	NT	-40000	-7.272727	20	PASS
			LV	NT	-39000	-7.090909	20	PASS
			HV	NT	-37000	-6.727273	20	PASS
	Ant2	5500	NV	NT	-41000	-7.454545	20	PASS
			LV	NT	-40000	-7.272727	20	PASS
			HV	NT	-39000	-7.090909	20	PASS
	Ant1	5580	NV	NT	-39000	-6.989247	20	PASS
			LV	NT	-38000	-6.810036	20	PASS

11N40 SISO	Ant2	5580	HV	NT	-37000	-6.630824	20	PASS
			NV	NT	-38000	-6.810036	20	PASS
			LV	NT	-37000	-6.630824	20	PASS
	Ant1	5700	HV	NT	-36000	-6.451613	20	PASS
			NV	NT	-41000	-7.192982	20	PASS
			LV	NT	-39000	-6.842105	20	PASS
	Ant2	5700	HV	NT	-38000	-6.666667	20	PASS
			NV	NT	-42000	-7.368421	20	PASS
			LV	NT	-40000	-7.017544	20	PASS
	Ant1	5745	HV	NT	-39000	-6.842105	20	PASS
			NV	NT	-41000	-7.136641	20	PASS
			LV	NT	-40000	-6.962576	20	PASS
	Ant2	5745	HV	NT	-39000	-6.788512	20	PASS
			NV	NT	-42000	-7.310705	20	PASS
			LV	NT	-41000	-7.136641	20	PASS
	Ant1	5785	HV	NT	-40000	-6.962576	20	PASS
			NV	NT	-41000	-7.087295	20	PASS
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			NV	NT	-43000	-7.433016	20	PASS
			LV	NT	-42000	-7.260156	20	PASS
	Ant1	5825	HV	NT	-40000	-6.914434	20	PASS
			NV	NT	-43000	-7.381974	20	PASS
			LV	NT	-42000	-7.210300	20	PASS
	Ant2	5825	HV	NT	-41000	-7.038627	20	PASS
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			LV	NT	-43000	-7.381974	20	PASS
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			NV	NT	-38000	-7.321773	20	PASS
			LV	NT	-38000	-7.321773	20	PASS
	Ant2	5190	HV	NT	-37000	-7.129094	20	PASS
			NV	NT	-39000	-7.514451	20	PASS
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	Ant1	5230	HV	NT	-39000	-7.514451	20	PASS
			NV	NT	-40000	-7.648184	20	PASS
			LV	NT	-39000	-7.456979	20	PASS
	Ant2	5230	HV	NT	-38000	-7.265774	20	PASS
			NV	NT	-40000	-7.648184	20	PASS
			LV	NT	-39000	-7.456979	20	PASS
	Ant1	5270	HV	NT	-38000	-7.265774	20	PASS
			NV	NT	-39000	-7.400380	20	PASS
			LV	NT	-38000	-7.210626	20	PASS
	Ant2	5270	HV	NT	-37000	-7.020873	20	PASS
			NV	NT	-39000	-7.400380	20	PASS
			LV	NT	-38000	-7.210626	20	PASS
	Ant1	5310	HV	NT	-37000	-7.020873	20	PASS
			NV	NT	-41000	-7.721281	20	PASS
			LV	NT	-40000	-7.532957	20	PASS
	Ant2	5310	HV	NT	-40000	-7.532957	20	PASS
			NV	NT	-40000	-7.532957	20	PASS
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	Ant1	5510	HV	NT	-40000	-7.532957	20	PASS	
			NV	NT	-42000	-7.622505	20	PASS	
			LV	NT	-42000	-7.622505	20	PASS	
	Ant2	5510	HV	NT	-42000	-7.622505	20	PASS	
			NV	NT	-42000	-7.622505	20	PASS	
			LV	NT	-42000	-7.622505	20	PASS	
	Ant1	5550	HV	NT	-42000	-7.622505	20	PASS	
			NV	NT	-42000	-7.567568	20	PASS	
			LV	NT	-41000	-7.387387	20	PASS	
	Ant2	5550	HV	NT	-40000	-7.207207	20	PASS	
			NV	NT	-42000	-7.567568	20	PASS	
			LV	NT	-41000	-7.387387	20	PASS	
	Ant1	5670	HV	NT	-41000	-7.387387	20	PASS	
			NV	NT	-42000	-7.407407	20	PASS	
			LV	NT	-41000	-7.231041	20	PASS	
	Ant2	5670	HV	NT	-40000	-7.054674	20	PASS	
			NV	NT	-43000	-7.583774	20	PASS	
			LV	NT	-41000	-7.231041	20	PASS	
	Ant1	5755	HV	NT	-40000	-7.054674	20	PASS	
			NV	NT	-38000	-6.602954	20	PASS	
			LV	NT	-37000	-6.429192	20	PASS	
	Ant2	5755	HV	NT	-37000	-6.429192	20	PASS	
			NV	NT	-43000	-7.471764	20	PASS	
			LV	NT	-42000	-7.298002	20	PASS	
	Ant1	5795	HV	NT	-41000	-7.124240	20	PASS	
			NV	NT	-44000	-7.592752	20	PASS	
			LV	NT	-43000	-7.420190	20	PASS	
	Ant2	5795	HV	NT	-42000	-7.247627	20	PASS	
			NV	NT	-44000	-7.592752	20	PASS	
			LV	NT	-43000	-7.420190	20	PASS	
	11AC20 SISO	Ant1	5180	HV	NT	-42000	-7.247627	20	PASS
				NV	NT	-38000	-7.335907	20	PASS
				LV	NT	-37000	-7.142857	20	PASS
		Ant2	5180	HV	NT	-36000	-6.949807	20	PASS
				NV	NT	-39000	-7.528958	20	PASS
				LV	NT	-38000	-7.335907	20	PASS
		Ant1	5200	HV	NT	-38000	-7.335907	20	PASS
				NV	NT	-39000	-7.500000	20	PASS
				LV	NT	-38000	-7.307692	20	PASS
		Ant2	5200	HV	NT	-37000	-7.115385	20	PASS
				NV	NT	-40000	-7.692308	20	PASS
				LV	NT	-39000	-7.500000	20	PASS
		Ant1	5240	HV	NT	-39000	-7.500000	20	PASS
				NV	NT	-39000	-7.442748	20	PASS
				LV	NT	-38000	-7.251908	20	PASS
		Ant2	5240	HV	NT	-37000	-7.061069	20	PASS
				NV	NT	-40000	-7.633588	20	PASS
				LV	NT	-39000	-7.442748	20	PASS
Ant1		5260	HV	NT	-39000	-7.442748	20	PASS	
			NV	NT	-38000	-7.224335	20	PASS	
Ant2		5260	HV	NT	-38000	-7.224335	20	PASS	
			LV	NT	-37000	-7.034221	20	PASS	

11AC20
SISO

			HV	NT	-36000	-6.844106	20	PASS
	Ant2	5260	NV	NT	-40000	-7.604563	20	PASS
			LV	NT	-39000	-7.414449	20	PASS
			HV	NT	-39000	-7.414449	20	PASS
	Ant1	5280	NV	NT	-38000	-7.196970	20	PASS
			LV	NT	-37000	-7.007576	20	PASS
			HV	NT	-36000	-6.818182	20	PASS
	Ant2	5280	NV	NT	-40000	-7.575758	20	PASS
			LV	NT	-39000	-7.386364	20	PASS
			HV	NT	-39000	-7.386364	20	PASS
	Ant1	5320	NV	NT	-39000	-7.330827	20	PASS
			LV	NT	-38000	-7.142857	20	PASS
			HV	NT	-37000	-6.954887	20	PASS
	Ant2	5320	NV	NT	-40000	-7.518797	20	PASS
			LV	NT	-40000	-7.518797	20	PASS
			HV	NT	-39000	-7.330827	20	PASS
	Ant1	5500	NV	NT	-41000	-7.454545	20	PASS
			LV	NT	-40000	-7.272727	20	PASS
			HV	NT	-38000	-6.909091	20	PASS
	Ant2	5500	NV	NT	-42000	-7.636364	20	PASS
			LV	NT	-41000	-7.454545	20	PASS
			HV	NT	-40000	-7.272727	20	PASS
	Ant1	5580	NV	NT	-40000	-7.168459	20	PASS
			LV	NT	-39000	-6.989247	20	PASS
			HV	NT	-38000	-6.810036	20	PASS
	Ant2	5580	NV	NT	-42000	-7.526882	20	PASS
			LV	NT	-41000	-7.347670	20	PASS
			HV	NT	-41000	-7.347670	20	PASS
	Ant1	5700	NV	NT	-41000	-7.192982	20	PASS
			LV	NT	-40000	-7.017544	20	PASS
			HV	NT	-39000	-6.842105	20	PASS
	Ant2	5700	NV	NT	-43000	-7.543860	20	PASS
			LV	NT	-42000	-7.368421	20	PASS
			HV	NT	-42000	-7.368421	20	PASS
	Ant1	5745	NV	NT	-43000	-7.484769	20	PASS
			LV	NT	-41000	-7.136641	20	PASS
			HV	NT	-40000	-6.962576	20	PASS
	Ant2	5745	NV	NT	-44000	-7.658834	20	PASS
			LV	NT	-43000	-7.484769	20	PASS
			HV	NT	-42000	-7.310705	20	PASS
	Ant1	5785	NV	NT	-43000	-7.433016	20	PASS
			LV	NT	-41000	-7.087295	20	PASS
			HV	NT	-40000	-6.914434	20	PASS
	Ant2	5785	NV	NT	-44000	-7.605877	20	PASS
			LV	NT	-43000	-7.433016	20	PASS
			HV	NT	-42000	-7.260156	20	PASS
	Ant1	5825	NV	NT	-44000	-7.553648	20	PASS
			LV	NT	-42000	-7.210300	20	PASS
			HV	NT	-41000	-7.038627	20	PASS
	Ant2	5825	NV	NT	-44000	-7.553648	20	PASS
			LV	NT	-43000	-7.381974	20	PASS

			HV	NT	-42000	-7.210300	20	PASS
11AC40 SISO	Ant1	5190	NV	NT	-39000	-7.514451	20	PASS
			LV	NT	-39000	-7.514451	20	PASS
			HV	NT	-39000	-7.514451	20	PASS
	Ant2	5190	NV	NT	-39000	-7.514451	20	PASS
			LV	NT	-39000	-7.514451	20	PASS
			HV	NT	-39000	-7.514451	20	PASS
	Ant1	5230	NV	NT	-39000	-7.456979	20	PASS
			LV	NT	-39000	-7.456979	20	PASS
			HV	NT	-38000	-7.265774	20	PASS
	Ant2	5230	NV	NT	-40000	-7.648184	20	PASS
			LV	NT	-39000	-7.456979	20	PASS
			HV	NT	-38000	-7.265774	20	PASS
	Ant1	5270	NV	NT	-39000	-7.400380	20	PASS
			LV	NT	-38000	-7.210626	20	PASS
			HV	NT	-37000	-7.020873	20	PASS
	Ant2	5270	NV	NT	-39000	-7.400380	20	PASS
			LV	NT	-38000	-7.210626	20	PASS
			HV	NT	-37000	-7.020873	20	PASS
	Ant1	5310	NV	NT	-40000	-7.532957	20	PASS
			LV	NT	-40000	-7.532957	20	PASS
			HV	NT	-39000	-7.344633	20	PASS
	Ant2	5310	NV	NT	-40000	-7.532957	20	PASS
			LV	NT	-40000	-7.532957	20	PASS
			HV	NT	-39000	-7.344633	20	PASS
	Ant1	5510	NV	NT	-42000	-7.622505	20	PASS
			LV	NT	-42000	-7.622505	20	PASS
			HV	NT	-41000	-7.441016	20	PASS
	Ant2	5510	NV	NT	-42000	-7.622505	20	PASS
			LV	NT	-42000	-7.622505	20	PASS
			HV	NT	-41000	-7.441016	20	PASS
	Ant1	5550	NV	NT	-40000	-7.207207	20	PASS
			LV	NT	-39000	-7.027027	20	PASS
			HV	NT	-39000	-7.027027	20	PASS
	Ant2	5550	NV	NT	-42000	-7.567568	20	PASS
			LV	NT	-41000	-7.387387	20	PASS
			HV	NT	-40000	-7.207207	20	PASS
	Ant1	5670	NV	NT	-42000	-7.407407	20	PASS
			LV	NT	-41000	-7.231041	20	PASS
			HV	NT	-40000	-7.054674	20	PASS
	Ant2	5670	NV	NT	-42000	-7.407407	20	PASS
			LV	NT	-41000	-7.231041	20	PASS
			HV	NT	-40000	-7.054674	20	PASS
	Ant1	5755	NV	NT	-43000	-7.471764	20	PASS
			LV	NT	-42000	-7.298002	20	PASS
			HV	NT	-41000	-7.124240	20	PASS
	Ant2	5755	NV	NT	-43000	-7.471764	20	PASS
			LV	NT	-41000	-7.124240	20	PASS
			HV	NT	-40000	-6.950478	20	PASS
	Ant1	5795	NV	NT	-42000	-7.247627	20	PASS
			LV	NT	-41000	-7.075065	20	PASS

	Ant2	5795	HV	NT	-40000	-6.902502	20	PASS
			NV	NT	-43000	-7.420190	20	PASS
			LV	NT	-42000	-7.247627	20	PASS
			HV	NT	-41000	-7.075065	20	PASS
11AC80 SISO	Ant1	5210	NV	NT	-40000	-7.677543	20	PASS
			LV	NT	-39000	-7.485605	20	PASS
			HV	NT	-39000	-7.485605	20	PASS
	Ant2	5210	NV	NT	-40000	-7.677543	20	PASS
			LV	NT	-39000	-7.485605	20	PASS
			HV	NT	-39000	-7.485605	20	PASS
	Ant1	5290	NV	NT	-40000	-7.561437	20	PASS
			LV	NT	-40000	-7.561437	20	PASS
			HV	NT	-40000	-7.561437	20	PASS
	Ant2	5290	NV	NT	-40000	-7.561437	20	PASS
			LV	NT	-40000	-7.561437	20	PASS
			HV	NT	-40000	-7.561437	20	PASS
	Ant1	5530	NV	NT	-41000	-7.414105	20	PASS
			LV	NT	-42000	-7.594937	20	PASS
			HV	NT	-41000	-7.414105	20	PASS
	Ant2	5530	NV	NT	-42000	-7.594937	20	PASS
			LV	NT	-42000	-7.594937	20	PASS
			HV	NT	-41000	-7.414105	20	PASS
	Ant1	5610	NV	NT	-43000	-7.664884	20	PASS
			LV	NT	-42000	-7.486631	20	PASS
			HV	NT	-42000	-7.486631	20	PASS
	Ant2	5610	NV	NT	-43000	-7.664884	20	PASS
			LV	NT	-42000	-7.486631	20	PASS
			HV	NT	-41000	-7.308378	20	PASS
	Ant1	5775	NV	NT	-44000	-7.619048	20	PASS
			LV	NT	-44000	-7.619048	20	PASS
			HV	NT	-43000	-7.445887	20	PASS
	Ant2	5775	NV	NT	-44000	-7.619048	20	PASS
			LV	NT	-43000	-7.445887	20	PASS
			HV	NT	-43000	-7.445887	20	PASS

Temperature								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-26000	-5.019305	20	PASS
			NV	-20	-26000	-5.019305	20	PASS
			NV	-10	-26000	-5.019305	20	PASS
			NV	0	-26000	-5.019305	20	PASS
			NV	10	-26000	-5.019305	20	PASS
			NV	20	-26000	-5.019305	20	PASS
			NV	30	-26000	-5.019305	20	PASS
			NV	40	-26000	-5.019305	20	PASS
			NV	50	-26000	-5.019305	20	PASS
	Ant2	5180	NV	-30	-38000	-7.335907	20	PASS
			NV	-20	-37000	-7.142857	20	PASS
			NV	-10	-37000	-7.142857	20	PASS

			NV	0	-37000	-7.142857	20	PASS
			NV	10	-36000	-6.949807	20	PASS
			NV	20	-36000	-6.949807	20	PASS
			NV	30	-36000	-6.949807	20	PASS
			NV	40	-35000	-6.756757	20	PASS
			NV	50	-35000	-6.756757	20	PASS
	Ant1	5200	NV	-30	-30000	-5.769231	20	PASS
			NV	-20	-29000	-5.576923	20	PASS
			NV	-10	-29000	-5.576923	20	PASS
			NV	0	-29000	-5.576923	20	PASS
			NV	10	-29000	-5.576923	20	PASS
			NV	20	-28000	-5.384615	20	PASS
			NV	30	-28000	-5.384615	20	PASS
			NV	40	-28000	-5.384615	20	PASS
	Ant2	5200	NV	50	-28000	-5.384615	20	PASS
			NV	-30	-37000	-7.115385	20	PASS
			NV	-20	-36000	-6.923077	20	PASS
			NV	-10	-36000	-6.923077	20	PASS
			NV	0	-35000	-6.730769	20	PASS
			NV	10	-35000	-6.730769	20	PASS
			NV	20	-35000	-6.730769	20	PASS
			NV	30	-35000	-6.730769	20	PASS
	Ant1	5240	NV	40	-35000	-6.730769	20	PASS
			NV	50	-34000	-6.538462	20	PASS
			NV	-30	-32000	-6.106870	20	PASS
			NV	-20	-32000	-6.106870	20	PASS
			NV	-10	-31000	-5.916031	20	PASS
			NV	0	-31000	-5.916031	20	PASS
			NV	10	-30000	-5.725191	20	PASS
			NV	20	-30000	-5.725191	20	PASS
	Ant2	5240	NV	30	-30000	-5.725191	20	PASS
			NV	40	-29000	-5.534351	20	PASS
			NV	50	-29000	-5.534351	20	PASS
			NV	-30	-36000	-6.870229	20	PASS
			NV	-20	-36000	-6.870229	20	PASS
			NV	-10	-35000	-6.679389	20	PASS
			NV	0	-35000	-6.679389	20	PASS
			NV	10	-35000	-6.679389	20	PASS
	Ant1	5260	NV	20	-34000	-6.488550	20	PASS
			NV	30	-34000	-6.488550	20	PASS
			NV	40	-34000	-6.488550	20	PASS
			NV	50	-34000	-6.488550	20	PASS
			NV	-30	-31000	-5.893536	20	PASS
			NV	-20	-31000	-5.893536	20	PASS
			NV	-10	-30000	-5.703422	20	PASS
			NV	0	-29000	-5.513308	20	PASS
			NV	10	-29000	-5.513308	20	PASS
			NV	20	-29000	-5.513308	20	PASS
			NV	30	-28000	-5.323194	20	PASS
			NV	40	-28000	-5.323194	20	PASS
			NV	50	-28000	-5.323194	20	PASS
			NV	50	-28000	-5.323194	20	PASS

	Ant2	5260	NV	-30	-41000	-7.794677	20	PASS
			NV	-20	-40000	-7.604563	20	PASS
			NV	-10	-40000	-7.604563	20	PASS
			NV	0	-40000	-7.604563	20	PASS
			NV	10	-40000	-7.604563	20	PASS
			NV	20	-41000	-7.794677	20	PASS
			NV	30	-42000	-7.984791	20	PASS
			NV	40	-41000	-7.794677	20	PASS
			NV	50	-39000	-7.414449	20	PASS
	Ant1	5280	NV	-30	-32000	-6.060606	20	PASS
			NV	-20	-31000	-5.871212	20	PASS
			NV	-10	-30000	-5.681818	20	PASS
			NV	0	-30000	-5.681818	20	PASS
			NV	10	-29000	-5.492424	20	PASS
			NV	20	-29000	-5.492424	20	PASS
			NV	30	-28000	-5.303030	20	PASS
			NV	40	-28000	-5.303030	20	PASS
			NV	50	-28000	-5.303030	20	PASS
	Ant2	5280	NV	-30	-41000	-7.765152	20	PASS
			NV	-20	-41000	-7.765152	20	PASS
			NV	-10	-39000	-7.386364	20	PASS
			NV	0	-41000	-7.765152	20	PASS
			NV	10	-38000	-7.196970	20	PASS
			NV	20	-41000	-7.765152	20	PASS
			NV	30	-42000	-7.954545	20	PASS
			NV	40	-39000	-7.386364	20	PASS
			NV	50	-40000	-7.575758	20	PASS
	Ant1	5320	NV	-30	-32000	-6.015038	20	PASS
			NV	-20	-31000	-5.827068	20	PASS
			NV	-10	-31000	-5.827068	20	PASS
			NV	0	-30000	-5.639098	20	PASS
			NV	10	-30000	-5.639098	20	PASS
			NV	20	-29000	-5.451128	20	PASS
			NV	30	-29000	-5.451128	20	PASS
			NV	40	-29000	-5.451128	20	PASS
			NV	50	-29000	-5.451128	20	PASS
	Ant2	5320	NV	-30	-40000	-7.518797	20	PASS
			NV	-20	-41000	-7.706767	20	PASS
			NV	-10	-40000	-7.518797	20	PASS
			NV	0	-43000	-8.082707	20	PASS
			NV	10	-41000	-7.706767	20	PASS
			NV	20	-41000	-7.706767	20	PASS
			NV	30	-42000	-7.894737	20	PASS
			NV	40	-42000	-7.894737	20	PASS
			NV	50	-41000	-7.706767	20	PASS
	Ant1	5500	NV	-30	-33000	-6.000000	20	PASS
			NV	-20	-32000	-5.818182	20	PASS
			NV	-10	-32000	-5.818182	20	PASS
			NV	0	-31000	-5.636364	20	PASS
			NV	10	-31000	-5.636364	20	PASS
			NV	20	-31000	-5.636364	20	PASS

			NV	30	-31000	-5.636364	20	PASS
			NV	40	-30000	-5.454545	20	PASS
			NV	50	-30000	-5.454545	20	PASS
	Ant2	5500	NV	-30	-41000	-7.454545	20	PASS
			NV	-20	-42000	-7.636364	20	PASS
			NV	-10	-43000	-7.818182	20	PASS
			NV	0	-42000	-7.636364	20	PASS
			NV	10	-42000	-7.636364	20	PASS
			NV	20	-42000	-7.636364	20	PASS
			NV	30	-43000	-7.818182	20	PASS
			NV	40	-42000	-7.636364	20	PASS
			NV	50	-42000	-7.636364	20	PASS
	Ant1	5580	NV	-30	-33000	-5.913978	20	PASS
			NV	-20	-32000	-5.734767	20	PASS
			NV	-10	-32000	-5.734767	20	PASS
			NV	0	-31000	-5.555556	20	PASS
			NV	10	-31000	-5.555556	20	PASS
			NV	20	-30000	-5.376344	20	PASS
			NV	30	-30000	-5.376344	20	PASS
			NV	40	-30000	-5.376344	20	PASS
			NV	50	-30000	-5.376344	20	PASS
	Ant2	5580	NV	-30	-44000	-7.885305	20	PASS
			NV	-20	-43000	-7.706093	20	PASS
			NV	-10	-42000	-7.526882	20	PASS
			NV	0	-41000	-7.347670	20	PASS
			NV	10	-42000	-7.526882	20	PASS
			NV	20	-44000	-7.885305	20	PASS
			NV	30	-43000	-7.706093	20	PASS
			NV	40	-43000	-7.706093	20	PASS
			NV	50	-43000	-7.706093	20	PASS
	Ant1	5700	NV	-30	-34000	-5.964912	20	PASS
			NV	-20	-34000	-5.964912	20	PASS
			NV	-10	-32000	-5.614035	20	PASS
			NV	0	-32000	-5.614035	20	PASS
			NV	10	-31000	-5.438596	20	PASS
			NV	20	-31000	-5.438596	20	PASS
			NV	30	-31000	-5.438596	20	PASS
			NV	40	-30000	-5.263158	20	PASS
			NV	50	-30000	-5.263158	20	PASS
	Ant2	5700	NV	-30	-43000	-7.543860	20	PASS
			NV	-20	-45000	-7.894737	20	PASS
			NV	-10	-44000	-7.719298	20	PASS
			NV	0	-44000	-7.719298	20	PASS
			NV	10	-44000	-7.719298	20	PASS
			NV	20	-44000	-7.719298	20	PASS
			NV	30	-44000	-7.719298	20	PASS
			NV	40	-43000	-7.543860	20	PASS
			NV	50	-43000	-7.543860	20	PASS
	Ant1	5745	NV	-30	-36000	-6.266319	20	PASS
			NV	-20	-35000	-6.092254	20	PASS
			NV	-10	-34000	-5.918190	20	PASS

			NV	0	-34000	-5.918190	20	PASS
			NV	10	-33000	-5.744125	20	PASS
			NV	20	-33000	-5.744125	20	PASS
			NV	30	-33000	-5.744125	20	PASS
			NV	40	-32000	-5.570061	20	PASS
			NV	50	-32000	-5.570061	20	PASS
	Ant2	5745	NV	-30	-46000	-8.006963	20	PASS
			NV	-20	-45000	-7.832898	20	PASS
			NV	-10	-44000	-7.658834	20	PASS
			NV	0	-44000	-7.658834	20	PASS
			NV	10	-43000	-7.484769	20	PASS
			NV	20	-44000	-7.658834	20	PASS
			NV	30	-43000	-7.484769	20	PASS
			NV	40	-45000	-7.832898	20	PASS
	Ant1	5785	NV	50	-46000	-8.006963	20	PASS
			NV	-30	-32000	-5.531547	20	PASS
			NV	-20	-31000	-5.358686	20	PASS
			NV	-10	-31000	-5.358686	20	PASS
			NV	0	-31000	-5.358686	20	PASS
			NV	10	-31000	-5.358686	20	PASS
			NV	20	-31000	-5.358686	20	PASS
			NV	30	-30000	-5.185825	20	PASS
	Ant2	5785	NV	40	-30000	-5.185825	20	PASS
			NV	50	-30000	-5.185825	20	PASS
			NV	-30	-45000	-7.778738	20	PASS
			NV	-20	-44000	-7.605877	20	PASS
			NV	-10	-45000	-7.778738	20	PASS
			NV	0	-45000	-7.778738	20	PASS
			NV	10	-45000	-7.778738	20	PASS
			NV	20	-43000	-7.433016	20	PASS
	Ant1	5825	NV	30	-43000	-7.433016	20	PASS
			NV	40	-45000	-7.778738	20	PASS
			NV	50	-44000	-7.605877	20	PASS
			NV	-30	-37000	-6.351931	20	PASS
			NV	-20	-36000	-6.180258	20	PASS
			NV	-10	-35000	-6.008584	20	PASS
			NV	0	-35000	-6.008584	20	PASS
			NV	10	-34000	-5.836910	20	PASS
	Ant2	5825	NV	20	-33000	-5.665236	20	PASS
			NV	30	-33000	-5.665236	20	PASS
			NV	40	-33000	-5.665236	20	PASS
			NV	50	-33000	-5.665236	20	PASS
			NV	-30	-45000	-7.725322	20	PASS
			NV	-20	-44000	-7.553648	20	PASS
			NV	-10	-44000	-7.553648	20	PASS
			NV	0	-45000	-7.725322	20	PASS
			NV	10	-45000	-7.725322	20	PASS
			NV	20	-42000	-7.210300	20	PASS
			NV	30	-46000	-7.896996	20	PASS
			NV	40	-45000	-7.725322	20	PASS
			NV	50	-44000	-7.553648	20	PASS
			NV					

11N20 SISO	Ant1	5180	NV	-30	-33000	-6.370656	20	PASS
			NV	-20	-33000	-6.370656	20	PASS
			NV	-10	-32000	-6.177606	20	PASS
			NV	0	-32000	-6.177606	20	PASS
			NV	10	-31000	-5.984556	20	PASS
			NV	20	-31000	-5.984556	20	PASS
			NV	30	-30000	-5.791506	20	PASS
			NV	40	-30000	-5.791506	20	PASS
			NV	50	-30000	-5.791506	20	PASS
	Ant2	5180	NV	-30	-36000	-6.949807	20	PASS
			NV	-20	-36000	-6.949807	20	PASS
			NV	-10	-35000	-6.756757	20	PASS
			NV	0	-35000	-6.756757	20	PASS
			NV	10	-35000	-6.756757	20	PASS
			NV	20	-34000	-6.563707	20	PASS
			NV	30	-34000	-6.563707	20	PASS
			NV	40	-34000	-6.563707	20	PASS
			NV	50	-34000	-6.563707	20	PASS
	Ant1	5200	NV	-30	-36000	-6.923077	20	PASS
			NV	-20	-35000	-6.730769	20	PASS
			NV	-10	-35000	-6.730769	20	PASS
			NV	0	-34000	-6.538462	20	PASS
			NV	10	-34000	-6.538462	20	PASS
			NV	20	-33000	-6.346154	20	PASS
			NV	30	-33000	-6.346154	20	PASS
			NV	40	-33000	-6.346154	20	PASS
			NV	50	-32000	-6.153846	20	PASS
	Ant2	5200	NV	-30	-36000	-6.923077	20	PASS
			NV	-20	-35000	-6.730769	20	PASS
			NV	-10	-35000	-6.730769	20	PASS
			NV	0	-35000	-6.730769	20	PASS
			NV	10	-34000	-6.538462	20	PASS
			NV	20	-34000	-6.538462	20	PASS
			NV	30	-34000	-6.538462	20	PASS
			NV	40	-34000	-6.538462	20	PASS
			NV	50	-33000	-6.346154	20	PASS
	Ant1	5240	NV	-30	-35000	-6.679389	20	PASS
			NV	-20	-34000	-6.488550	20	PASS
			NV	-10	-34000	-6.488550	20	PASS
			NV	0	-33000	-6.297710	20	PASS
			NV	10	-33000	-6.297710	20	PASS
			NV	20	-33000	-6.297710	20	PASS
			NV	30	-33000	-6.297710	20	PASS
			NV	40	-32000	-6.106870	20	PASS
			NV	50	-32000	-6.106870	20	PASS
	Ant2	5240	NV	-30	-36000	-6.870229	20	PASS
			NV	-20	-35000	-6.679389	20	PASS
			NV	-10	-35000	-6.679389	20	PASS
			NV	0	-34000	-6.488550	20	PASS
			NV	10	-34000	-6.488550	20	PASS
			NV	20	-34000	-6.488550	20	PASS

			NV	30	-34000	-6.488550	20	PASS
			NV	40	-33000	-6.297710	20	PASS
			NV	50	-33000	-6.297710	20	PASS
	Ant1	5260	NV	-30	-31000	-5.893536	20	PASS
			NV	-20	-30000	-5.703422	20	PASS
			NV	-10	-30000	-5.703422	20	PASS
			NV	0	-30000	-5.703422	20	PASS
			NV	10	-30000	-5.703422	20	PASS
			NV	20	-30000	-5.703422	20	PASS
			NV	30	-30000	-5.703422	20	PASS
			NV	40	-29000	-5.513308	20	PASS
			NV	50	-29000	-5.513308	20	PASS
	Ant2	5260	NV	-30	-35000	-6.653992	20	PASS
			NV	-20	-34000	-6.463878	20	PASS
			NV	-10	-34000	-6.463878	20	PASS
			NV	0	-33000	-6.273764	20	PASS
			NV	10	-33000	-6.273764	20	PASS
			NV	20	-33000	-6.273764	20	PASS
			NV	30	-32000	-6.083650	20	PASS
			NV	40	-32000	-6.083650	20	PASS
			NV	50	-32000	-6.083650	20	PASS
	Ant1	5280	NV	-30	-34000	-6.439394	20	PASS
			NV	-20	-33000	-6.250000	20	PASS
			NV	-10	-32000	-6.060606	20	PASS
			NV	0	-32000	-6.060606	20	PASS
			NV	10	-31000	-5.871212	20	PASS
			NV	20	-31000	-5.871212	20	PASS
			NV	30	-31000	-5.871212	20	PASS
			NV	40	-30000	-5.681818	20	PASS
			NV	50	-30000	-5.681818	20	PASS
	Ant2	5280	NV	-30	-35000	-6.628788	20	PASS
			NV	-20	-34000	-6.439394	20	PASS
			NV	-10	-34000	-6.439394	20	PASS
			NV	0	-34000	-6.439394	20	PASS
			NV	10	-33000	-6.250000	20	PASS
			NV	20	-33000	-6.250000	20	PASS
			NV	30	-33000	-6.250000	20	PASS
			NV	40	-32000	-6.060606	20	PASS
			NV	50	-32000	-6.060606	20	PASS
	Ant1	5320	NV	-30	-34000	-6.390977	20	PASS
			NV	-20	-34000	-6.390977	20	PASS
			NV	-10	-33000	-6.203008	20	PASS
			NV	0	-32000	-6.015038	20	PASS
			NV	10	-32000	-6.015038	20	PASS
			NV	20	-32000	-6.015038	20	PASS
			NV	30	-32000	-6.015038	20	PASS
			NV	40	-31000	-5.827068	20	PASS
			NV	50	-31000	-5.827068	20	PASS
	Ant2	5320	NV	-30	-36000	-6.766917	20	PASS
			NV	-20	-35000	-6.578947	20	PASS
			NV	-10	-35000	-6.578947	20	PASS

			NV	0	-34000	-6.390977	20	PASS
			NV	10	-34000	-6.390977	20	PASS
			NV	20	-34000	-6.390977	20	PASS
			NV	30	-33000	-6.203008	20	PASS
			NV	40	-33000	-6.203008	20	PASS
			NV	50	-33000	-6.203008	20	PASS
	Ant1	5500	NV	-30	-36000	-6.545455	20	PASS
			NV	-20	-35000	-6.363636	20	PASS
			NV	-10	-35000	-6.363636	20	PASS
			NV	0	-34000	-6.181818	20	PASS
			NV	10	-34000	-6.181818	20	PASS
			NV	20	-33000	-6.000000	20	PASS
			NV	30	-33000	-6.000000	20	PASS
			NV	40	-33000	-6.000000	20	PASS
	Ant2	5500	NV	50	-32000	-5.818182	20	PASS
			NV	-30	-38000	-6.909091	20	PASS
			NV	-20	-37000	-6.727273	20	PASS
			NV	-10	-36000	-6.545455	20	PASS
			NV	0	-36000	-6.545455	20	PASS
			NV	10	-36000	-6.545455	20	PASS
			NV	20	-35000	-6.363636	20	PASS
			NV	30	-35000	-6.363636	20	PASS
	Ant1	5580	NV	40	-35000	-6.363636	20	PASS
			NV	50	-34000	-6.181818	20	PASS
			NV	-30	-35000	-6.272401	20	PASS
			NV	-20	-35000	-6.272401	20	PASS
			NV	-10	-34000	-6.093190	20	PASS
			NV	0	-34000	-6.093190	20	PASS
			NV	10	-33000	-5.913978	20	PASS
			NV	20	-33000	-5.913978	20	PASS
	Ant2	5580	NV	30	-32000	-5.734767	20	PASS
			NV	40	-32000	-5.734767	20	PASS
			NV	50	-32000	-5.734767	20	PASS
			NV	-30	-36000	-6.451613	20	PASS
			NV	-20	-35000	-6.272401	20	PASS
			NV	-10	-35000	-6.272401	20	PASS
			NV	0	-35000	-6.272401	20	PASS
			NV	10	-35000	-6.272401	20	PASS
	Ant1	5700	NV	20	-34000	-6.093190	20	PASS
			NV	30	-34000	-6.093190	20	PASS
			NV	40	-34000	-6.093190	20	PASS
			NV	50	-34000	-6.093190	20	PASS
			NV	-30	-37000	-6.491228	20	PASS
			NV	-20	-36000	-6.315789	20	PASS
			NV	-10	-35000	-6.140351	20	PASS
			NV	0	-34000	-5.964912	20	PASS
			NV	10	-34000	-5.964912	20	PASS
			NV	20	-34000	-5.964912	20	PASS
			NV	30	-33000	-5.789474	20	PASS
			NV	40	-33000	-5.789474	20	PASS
			NV	50	-32000	-5.614035	20	PASS
			NV	50	-32000	-5.614035	20	PASS

	Ant2	5700	NV	-30	-38000	-6.666667	20	PASS
			NV	-20	-37000	-6.491228	20	PASS
			NV	-10	-36000	-6.315789	20	PASS
			NV	0	-36000	-6.315789	20	PASS
			NV	10	-35000	-6.140351	20	PASS
			NV	20	-35000	-6.140351	20	PASS
			NV	30	-35000	-6.140351	20	PASS
			NV	40	-34000	-5.964912	20	PASS
			NV	50	-34000	-5.964912	20	PASS
	Ant1	5745	NV	-30	-38000	-6.614447	20	PASS
			NV	-20	-37000	-6.440383	20	PASS
			NV	-10	-36000	-6.266319	20	PASS
			NV	0	-36000	-6.266319	20	PASS
			NV	10	-35000	-6.092254	20	PASS
			NV	20	-35000	-6.092254	20	PASS
			NV	30	-34000	-5.918190	20	PASS
			NV	40	-34000	-5.918190	20	PASS
			NV	50	-34000	-5.918190	20	PASS
	Ant2	5745	NV	-30	-39000	-6.788512	20	PASS
			NV	-20	-38000	-6.614447	20	PASS
			NV	-10	-38000	-6.614447	20	PASS
			NV	0	-37000	-6.440383	20	PASS
			NV	10	-37000	-6.440383	20	PASS
			NV	20	-36000	-6.266319	20	PASS
			NV	30	-36000	-6.266319	20	PASS
			NV	40	-36000	-6.266319	20	PASS
			NV	50	-36000	-6.266319	20	PASS
	Ant1	5785	NV	-30	-37000	-6.395851	20	PASS
			NV	-20	-37000	-6.395851	20	PASS
			NV	-10	-36000	-6.222990	20	PASS
			NV	0	-36000	-6.222990	20	PASS
			NV	10	-35000	-6.050130	20	PASS
			NV	20	-35000	-6.050130	20	PASS
			NV	30	-34000	-5.877269	20	PASS
			NV	40	-34000	-5.877269	20	PASS
			NV	50	-34000	-5.877269	20	PASS
	Ant2	5785	NV	-30	-39000	-6.741573	20	PASS
			NV	-20	-39000	-6.741573	20	PASS
			NV	-10	-38000	-6.568712	20	PASS
			NV	0	-37000	-6.395851	20	PASS
			NV	10	-37000	-6.395851	20	PASS
			NV	20	-37000	-6.395851	20	PASS
			NV	30	-36000	-6.222990	20	PASS
			NV	40	-36000	-6.222990	20	PASS
			NV	50	-36000	-6.222990	20	PASS
	Ant1	5825	NV	-30	-40000	-6.866953	20	PASS
			NV	-20	-39000	-6.695279	20	PASS
			NV	-10	-38000	-6.523605	20	PASS
			NV	0	-37000	-6.351931	20	PASS
			NV	10	-37000	-6.351931	20	PASS
			NV	20	-36000	-6.180258	20	PASS

			NV	30	-36000	-6.180258	20	PASS
			NV	40	-36000	-6.180258	20	PASS
			NV	50	-35000	-6.008584	20	PASS
	Ant2	5825	NV	-30	-41000	-7.038627	20	PASS
			NV	-20	-40000	-6.866953	20	PASS
			NV	-10	-40000	-6.866953	20	PASS
			NV	0	-39000	-6.695279	20	PASS
			NV	10	-39000	-6.695279	20	PASS
			NV	20	-38000	-6.523605	20	PASS
			NV	30	-38000	-6.523605	20	PASS
			NV	40	-37000	-6.351931	20	PASS
			NV	50	-37000	-6.351931	20	PASS
11N40 SISO	Ant1	5190	NV	-30	-37000	-7.129094	20	PASS
			NV	-20	-38000	-7.321773	20	PASS
			NV	-10	-37000	-7.129094	20	PASS
			NV	0	-37000	-7.129094	20	PASS
			NV	10	-37000	-7.129094	20	PASS
			NV	20	-37000	-7.129094	20	PASS
			NV	30	-37000	-7.129094	20	PASS
			NV	40	-37000	-7.129094	20	PASS
			NV	50	-37000	-7.129094	20	PASS
	Ant2	5190	NV	-30	-38000	-7.321773	20	PASS
			NV	-20	-38000	-7.321773	20	PASS
			NV	-10	-38000	-7.321773	20	PASS
			NV	0	-38000	-7.321773	20	PASS
			NV	10	-38000	-7.321773	20	PASS
			NV	20	-38000	-7.321773	20	PASS
			NV	30	-38000	-7.321773	20	PASS
			NV	40	-38000	-7.321773	20	PASS
			NV	50	-38000	-7.321773	20	PASS
	Ant1	5230	NV	-30	-37000	-7.074570	20	PASS
			NV	-20	-37000	-7.074570	20	PASS
			NV	-10	-36000	-6.883365	20	PASS
			NV	0	-36000	-6.883365	20	PASS
			NV	10	-35000	-6.692161	20	PASS
			NV	20	-35000	-6.692161	20	PASS
			NV	30	-35000	-6.692161	20	PASS
			NV	40	-34000	-6.500956	20	PASS
			NV	50	-34000	-6.500956	20	PASS
	Ant2	5230	NV	-30	-37000	-7.074570	20	PASS
			NV	-20	-37000	-7.074570	20	PASS
			NV	-10	-36000	-6.883365	20	PASS
			NV	0	-36000	-6.883365	20	PASS
			NV	10	-36000	-6.883365	20	PASS
			NV	20	-35000	-6.692161	20	PASS
			NV	30	-35000	-6.692161	20	PASS
			NV	40	-35000	-6.692161	20	PASS
			NV	50	-35000	-6.692161	20	PASS
	Ant1	5270	NV	-30	-36000	-6.831120	20	PASS
			NV	-20	-35000	-6.641366	20	PASS
			NV	-10	-35000	-6.641366	20	PASS

			NV	0	-34000	-6.451613	20	PASS
			NV	10	-34000	-6.451613	20	PASS
			NV	20	-33000	-6.261860	20	PASS
			NV	30	-33000	-6.261860	20	PASS
			NV	40	-33000	-6.261860	20	PASS
			NV	50	-33000	-6.261860	20	PASS
	Ant2	5270	NV	-30	-36000	-6.831120	20	PASS
			NV	-20	-36000	-6.831120	20	PASS
			NV	-10	-35000	-6.641366	20	PASS
			NV	0	-35000	-6.641366	20	PASS
			NV	10	-34000	-6.451613	20	PASS
			NV	20	-34000	-6.451613	20	PASS
			NV	30	-34000	-6.451613	20	PASS
			NV	40	-34000	-6.451613	20	PASS
			NV	50	-33000	-6.261860	20	PASS
			NV	-30	-40000	-7.532957	20	PASS
	Ant1	5310	NV	-20	-39000	-7.344633	20	PASS
			NV	-10	-39000	-7.344633	20	PASS
			NV	0	-39000	-7.344633	20	PASS
			NV	10	-39000	-7.344633	20	PASS
			NV	20	-39000	-7.344633	20	PASS
			NV	30	-39000	-7.344633	20	PASS
			NV	40	-39000	-7.344633	20	PASS
			NV	50	-39000	-7.344633	20	PASS
	Ant2	5310	NV	-30	-39000	-7.344633	20	PASS
			NV	-20	-39000	-7.344633	20	PASS
			NV	-10	-39000	-7.344633	20	PASS
			NV	0	-39000	-7.344633	20	PASS
			NV	10	-39000	-7.344633	20	PASS
			NV	20	-39000	-7.344633	20	PASS
			NV	30	-39000	-7.344633	20	PASS
			NV	40	-39000	-7.344633	20	PASS
	Ant1	5510	NV	50	-39000	-7.344633	20	PASS
			NV	-30	-41000	-7.441016	20	PASS
			NV	-20	-41000	-7.441016	20	PASS
			NV	-10	-41000	-7.441016	20	PASS
			NV	0	-41000	-7.441016	20	PASS
			NV	10	-41000	-7.441016	20	PASS
			NV	20	-41000	-7.441016	20	PASS
			NV	30	-41000	-7.441016	20	PASS
			NV	40	-41000	-7.441016	20	PASS
			NV	50	-40000	-7.259528	20	PASS
	Ant2	5510	NV	-30	-41000	-7.441016	20	PASS
			NV	-20	-41000	-7.441016	20	PASS
			NV	-10	-41000	-7.441016	20	PASS
			NV	0	-41000	-7.441016	20	PASS
			NV	10	-41000	-7.441016	20	PASS
			NV	20	-41000	-7.441016	20	PASS
			NV	30	-41000	-7.441016	20	PASS
			NV	40	-41000	-7.441016	20	PASS
			NV	50	-41000	-7.441016	20	PASS

	Ant1	5550	NV	-30	-40000	-7.207207	20	PASS
			NV	-20	-39000	-7.027027	20	PASS
			NV	-10	-39000	-7.027027	20	PASS
			NV	0	-38000	-6.846847	20	PASS
			NV	10	-38000	-6.846847	20	PASS
			NV	20	-37000	-6.666667	20	PASS
			NV	30	-37000	-6.666667	20	PASS
			NV	40	-37000	-6.666667	20	PASS
			NV	50	-36000	-6.486486	20	PASS
	Ant2	5550	NV	-30	-40000	-7.207207	20	PASS
			NV	-20	-39000	-7.027027	20	PASS
			NV	-10	-39000	-7.027027	20	PASS
			NV	0	-38000	-6.846847	20	PASS
			NV	10	-38000	-6.846847	20	PASS
			NV	20	-38000	-6.846847	20	PASS
			NV	30	-37000	-6.666667	20	PASS
			NV	40	-37000	-6.666667	20	PASS
			NV	50	-37000	-6.666667	20	PASS
	Ant1	5670	NV	-30	-39000	-6.878307	20	PASS
			NV	-20	-38000	-6.701940	20	PASS
			NV	-10	-37000	-6.525573	20	PASS
			NV	0	-37000	-6.525573	20	PASS
			NV	10	-37000	-6.525573	20	PASS
			NV	20	-36000	-6.349206	20	PASS
			NV	30	-36000	-6.349206	20	PASS
			NV	40	-35000	-6.172840	20	PASS
			NV	50	-35000	-6.172840	20	PASS
	Ant2	5670	NV	-30	-40000	-7.054674	20	PASS
			NV	-20	-39000	-6.878307	20	PASS
			NV	-10	-38000	-6.701940	20	PASS
			NV	0	-38000	-6.701940	20	PASS
			NV	10	-37000	-6.525573	20	PASS
			NV	20	-37000	-6.525573	20	PASS
			NV	30	-36000	-6.349206	20	PASS
			NV	40	-36000	-6.349206	20	PASS
			NV	50	-36000	-6.349206	20	PASS
	Ant1	5755	NV	-30	-37000	-6.429192	20	PASS
			NV	-20	-36000	-6.255430	20	PASS
			NV	-10	-36000	-6.255430	20	PASS
			NV	0	-36000	-6.255430	20	PASS
			NV	10	-35000	-6.081668	20	PASS
			NV	20	-35000	-6.081668	20	PASS
			NV	30	-35000	-6.081668	20	PASS
			NV	40	-35000	-6.081668	20	PASS
			NV	50	-35000	-6.081668	20	PASS
	Ant2	5755	NV	-30	-40000	-6.950478	20	PASS
			NV	-20	-40000	-6.950478	20	PASS
			NV	-10	-39000	-6.776716	20	PASS
			NV	0	-38000	-6.602954	20	PASS
			NV	10	-38000	-6.602954	20	PASS
			NV	20	-37000	-6.429192	20	PASS

11AC20 SISO	Ant1	5795	NV	30	-37000	-6.429192	20	PASS
			NV	40	-37000	-6.429192	20	PASS
			NV	50	-36000	-6.255430	20	PASS
		5795	NV	-30	-41000	-7.075065	20	PASS
			NV	-20	-40000	-6.902502	20	PASS
			NV	-10	-40000	-6.902502	20	PASS
			NV	0	-39000	-6.729940	20	PASS
			NV	10	-38000	-6.557377	20	PASS
			NV	20	-38000	-6.557377	20	PASS
			NV	30	-38000	-6.557377	20	PASS
			NV	40	-37000	-6.384814	20	PASS
			NV	50	-37000	-6.384814	20	PASS
	Ant2	5795	NV	-30	-41000	-7.075065	20	PASS
			NV	-20	-40000	-6.902502	20	PASS
			NV	-10	-40000	-6.902502	20	PASS
			NV	0	-39000	-6.729940	20	PASS
			NV	10	-39000	-6.729940	20	PASS
			NV	20	-38000	-6.557377	20	PASS
			NV	30	-38000	-6.557377	20	PASS
			NV	40	-38000	-6.557377	20	PASS
			NV	50	-38000	-6.557377	20	PASS
	Ant1	5180	NV	-30	-36000	-6.949807	20	PASS
			NV	-20	-35000	-6.756757	20	PASS
			NV	-10	-35000	-6.756757	20	PASS
			NV	0	-34000	-6.563707	20	PASS
			NV	10	-34000	-6.563707	20	PASS
			NV	20	-34000	-6.563707	20	PASS
			NV	30	-34000	-6.563707	20	PASS
			NV	40	-33000	-6.370656	20	PASS
			NV	50	-33000	-6.370656	20	PASS
		5180	NV	-30	-37000	-7.142857	20	PASS
			NV	-20	-36000	-6.949807	20	PASS
			NV	-10	-36000	-6.949807	20	PASS
			NV	0	-36000	-6.949807	20	PASS
			NV	10	-35000	-6.756757	20	PASS
			NV	20	-35000	-6.756757	20	PASS
	Ant2	5180	NV	30	-35000	-6.756757	20	PASS
			NV	40	-34000	-6.563707	20	PASS
			NV	50	-34000	-6.563707	20	PASS
		5200	NV	-30	-36000	-6.923077	20	PASS
			NV	-20	-35000	-6.730769	20	PASS
			NV	-10	-35000	-6.730769	20	PASS
			NV	0	-34000	-6.538462	20	PASS
			NV	10	-34000	-6.538462	20	PASS
			NV	20	-34000	-6.538462	20	PASS
			NV	30	-33000	-6.346154	20	PASS
			NV	40	-33000	-6.346154	20	PASS
			NV	50	-33000	-6.346154	20	PASS
	Ant2	5200	NV	-30	-39000	-7.500000	20	PASS
			NV	-20	-39000	-7.500000	20	PASS
			NV	-10	-38000	-7.307692	20	PASS

			NV	0	-38000	-7.307692	20	PASS
			NV	10	-38000	-7.307692	20	PASS
			NV	20	-38000	-7.307692	20	PASS
			NV	30	-38000	-7.307692	20	PASS
			NV	40	-37000	-7.115385	20	PASS
			NV	50	-37000	-7.115385	20	PASS
	Ant1	5240	NV	-30	-36000	-6.870229	20	PASS
			NV	-20	-35000	-6.679389	20	PASS
			NV	-10	-35000	-6.679389	20	PASS
			NV	0	-35000	-6.679389	20	PASS
			NV	10	-34000	-6.488550	20	PASS
			NV	20	-34000	-6.488550	20	PASS
			NV	30	-34000	-6.488550	20	PASS
			NV	40	-33000	-6.297710	20	PASS
	Ant2	5240	NV	50	-33000	-6.297710	20	PASS
			NV	-30	-38000	-7.251908	20	PASS
			NV	-20	-38000	-7.251908	20	PASS
			NV	-10	-38000	-7.251908	20	PASS
			NV	0	-38000	-7.251908	20	PASS
			NV	10	-37000	-7.061069	20	PASS
			NV	20	-37000	-7.061069	20	PASS
			NV	30	-37000	-7.061069	20	PASS
	Ant1	5260	NV	40	-37000	-7.061069	20	PASS
			NV	50	-37000	-7.061069	20	PASS
			NV	-30	-35000	-6.653992	20	PASS
			NV	-20	-35000	-6.653992	20	PASS
			NV	-10	-34000	-6.463878	20	PASS
			NV	0	-33000	-6.273764	20	PASS
			NV	10	-33000	-6.273764	20	PASS
			NV	20	-33000	-6.273764	20	PASS
	Ant2	5260	NV	30	-33000	-6.273764	20	PASS
			NV	40	-32000	-6.083650	20	PASS
			NV	50	-32000	-6.083650	20	PASS
			NV	-30	-38000	-7.224335	20	PASS
			NV	-20	-38000	-7.224335	20	PASS
			NV	-10	-37000	-7.034221	20	PASS
			NV	0	-37000	-7.034221	20	PASS
			NV	10	-37000	-7.034221	20	PASS
	Ant1	5280	NV	20	-36000	-6.844106	20	PASS
			NV	30	-36000	-6.844106	20	PASS
			NV	40	-36000	-6.844106	20	PASS
			NV	50	-36000	-6.844106	20	PASS
			NV	-30	-35000	-6.628788	20	PASS
			NV	-20	-34000	-6.439394	20	PASS
			NV	-10	-34000	-6.439394	20	PASS
			NV	0	-33000	-6.250000	20	PASS
			NV	10	-33000	-6.250000	20	PASS
			NV	20	-33000	-6.250000	20	PASS
			NV	30	-32000	-6.060606	20	PASS
			NV	40	-32000	-6.060606	20	PASS
			NV	50	-32000	-6.060606	20	PASS
			NV	50	-32000	-6.060606	20	PASS

	Ant2	5280	NV	-30	-38000	-7.196970	20	PASS
			NV	-20	-38000	-7.196970	20	PASS
			NV	-10	-37000	-7.007576	20	PASS
			NV	0	-37000	-7.007576	20	PASS
			NV	10	-37000	-7.007576	20	PASS
			NV	20	-36000	-6.818182	20	PASS
			NV	30	-36000	-6.818182	20	PASS
			NV	40	-36000	-6.818182	20	PASS
			NV	50	-36000	-6.818182	20	PASS
	Ant1	5320	NV	-30	-36000	-6.766917	20	PASS
			NV	-20	-35000	-6.578947	20	PASS
			NV	-10	-35000	-6.578947	20	PASS
			NV	0	-34000	-6.390977	20	PASS
			NV	10	-34000	-6.390977	20	PASS
			NV	20	-34000	-6.390977	20	PASS
			NV	30	-33000	-6.203008	20	PASS
			NV	40	-33000	-6.203008	20	PASS
			NV	50	-33000	-6.203008	20	PASS
	Ant2	5320	NV	-30	-38000	-7.142857	20	PASS
			NV	-20	-38000	-7.142857	20	PASS
			NV	-10	-37000	-6.954887	20	PASS
			NV	0	-37000	-6.954887	20	PASS
			NV	10	-37000	-6.954887	20	PASS
			NV	20	-37000	-6.954887	20	PASS
			NV	30	-37000	-6.954887	20	PASS
			NV	40	-36000	-6.766917	20	PASS
			NV	50	-36000	-6.766917	20	PASS
	Ant1	5500	NV	-30	-38000	-6.909091	20	PASS
			NV	-20	-37000	-6.727273	20	PASS
			NV	-10	-36000	-6.545455	20	PASS
			NV	0	-36000	-6.545455	20	PASS
			NV	10	-35000	-6.363636	20	PASS
			NV	20	-35000	-6.363636	20	PASS
			NV	30	-35000	-6.363636	20	PASS
			NV	40	-34000	-6.181818	20	PASS
			NV	50	-34000	-6.181818	20	PASS
	Ant2	5500	NV	-30	-40000	-7.272727	20	PASS
			NV	-20	-39000	-7.090909	20	PASS
			NV	-10	-39000	-7.090909	20	PASS
			NV	0	-39000	-7.090909	20	PASS
			NV	10	-38000	-6.909091	20	PASS
			NV	20	-38000	-6.909091	20	PASS
			NV	30	-38000	-6.909091	20	PASS
			NV	40	-37000	-6.727273	20	PASS
			NV	50	-38000	-6.909091	20	PASS
	Ant1	5580	NV	-30	-37000	-6.630824	20	PASS
			NV	-20	-36000	-6.451613	20	PASS
			NV	-10	-35000	-6.272401	20	PASS
			NV	0	-35000	-6.272401	20	PASS
			NV	10	-35000	-6.272401	20	PASS
			NV	20	-34000	-6.093190	20	PASS

			NV	30	-34000	-6.093190	20	PASS
			NV	40	-34000	-6.093190	20	PASS
			NV	50	-34000	-6.093190	20	PASS
	Ant2	5580	NV	-30	-40000	-7.168459	20	PASS
			NV	-20	-40000	-7.168459	20	PASS
			NV	-10	-39000	-6.989247	20	PASS
			NV	0	-39000	-6.989247	20	PASS
			NV	10	-38000	-6.810036	20	PASS
			NV	20	-38000	-6.810036	20	PASS
			NV	30	-38000	-6.810036	20	PASS
			NV	40	-38000	-6.810036	20	PASS
			NV	50	-38000	-6.810036	20	PASS
	Ant1	5700	NV	-30	-38000	-6.666667	20	PASS
			NV	-20	-37000	-6.491228	20	PASS
			NV	-10	-36000	-6.315789	20	PASS
			NV	0	-36000	-6.315789	20	PASS
			NV	10	-35000	-6.140351	20	PASS
			NV	20	-35000	-6.140351	20	PASS
			NV	30	-35000	-6.140351	20	PASS
			NV	40	-34000	-5.964912	20	PASS
			NV	50	-34000	-5.964912	20	PASS
	Ant2	5700	NV	-30	-41000	-7.192982	20	PASS
			NV	-20	-40000	-7.017544	20	PASS
			NV	-10	-40000	-7.017544	20	PASS
			NV	0	-40000	-7.017544	20	PASS
			NV	10	-39000	-6.842105	20	PASS
			NV	20	-39000	-6.842105	20	PASS
			NV	30	-39000	-6.842105	20	PASS
			NV	40	-38000	-6.666667	20	PASS
			NV	50	-38000	-6.666667	20	PASS
	Ant1	5745	NV	-30	-39000	-6.788512	20	PASS
			NV	-20	-38000	-6.614447	20	PASS
			NV	-10	-38000	-6.614447	20	PASS
			NV	0	-37000	-6.440383	20	PASS
			NV	10	-37000	-6.440383	20	PASS
			NV	20	-36000	-6.266319	20	PASS
			NV	30	-36000	-6.266319	20	PASS
			NV	40	-36000	-6.266319	20	PASS
			NV	50	-35000	-6.092254	20	PASS
	Ant2	5745	NV	-30	-41000	-7.136641	20	PASS
			NV	-20	-41000	-7.136641	20	PASS
			NV	-10	-40000	-6.962576	20	PASS
			NV	0	-40000	-6.962576	20	PASS
			NV	10	-39000	-6.788512	20	PASS
			NV	20	-39000	-6.788512	20	PASS
			NV	30	-39000	-6.788512	20	PASS
			NV	40	-38000	-6.614447	20	PASS
			NV	50	-38000	-6.614447	20	PASS
	Ant1	5785	NV	-30	-39000	-6.741573	20	PASS
			NV	-20	-38000	-6.568712	20	PASS
			NV	-10	-38000	-6.568712	20	PASS

11AC40 SISO			NV	0	-37000	-6.395851	20	PASS
			NV	10	-37000	-6.395851	20	PASS
			NV	20	-36000	-6.222990	20	PASS
			NV	30	-36000	-6.222990	20	PASS
			NV	40	-35000	-6.050130	20	PASS
			NV	50	-35000	-6.050130	20	PASS
	Ant2	5785	NV	-30	-41000	-7.087295	20	PASS
			NV	-20	-40000	-6.914434	20	PASS
			NV	-10	-40000	-6.914434	20	PASS
			NV	0	-39000	-6.741573	20	PASS
			NV	10	-39000	-6.741573	20	PASS
			NV	20	-38000	-6.568712	20	PASS
			NV	30	-38000	-6.568712	20	PASS
			NV	40	-38000	-6.568712	20	PASS
	Ant1	5825	NV	50	-37000	-6.395851	20	PASS
			NV	-30	-40000	-6.866953	20	PASS
			NV	-20	-39000	-6.695279	20	PASS
			NV	-10	-39000	-6.695279	20	PASS
			NV	0	-38000	-6.523605	20	PASS
			NV	10	-37000	-6.351931	20	PASS
			NV	20	-37000	-6.351931	20	PASS
			NV	30	-37000	-6.351931	20	PASS
	Ant2	5825	NV	40	-36000	-6.180258	20	PASS
			NV	50	-36000	-6.180258	20	PASS
			NV	-30	-41000	-7.038627	20	PASS
			NV	-20	-40000	-6.866953	20	PASS
			NV	-10	-40000	-6.866953	20	PASS
			NV	0	-39000	-6.695279	20	PASS
			NV	10	-39000	-6.695279	20	PASS
			NV	20	-38000	-6.523605	20	PASS
	Ant1	5190	NV	30	-38000	-6.523605	20	PASS
			NV	40	-38000	-6.523605	20	PASS
			NV	50	-37000	-6.351931	20	PASS
			NV	-30	-38000	-7.321773	20	PASS
			NV	-20	-38000	-7.321773	20	PASS
			NV	-10	-38000	-7.321773	20	PASS
			NV	0	-38000	-7.321773	20	PASS
			NV	10	-38000	-7.321773	20	PASS
	Ant2	5190	NV	20	-38000	-7.321773	20	PASS
			NV	30	-38000	-7.321773	20	PASS
			NV	40	-38000	-7.321773	20	PASS
			NV	50	-38000	-7.321773	20	PASS
			NV	-30	-39000	-7.514451	20	PASS
			NV	-20	-38000	-7.321773	20	PASS
			NV	-10	-38000	-7.321773	20	PASS
			NV	0	-38000	-7.321773	20	PASS
			NV	10	-38000	-7.321773	20	PASS
			NV	20	-38000	-7.321773	20	PASS
			NV	30	-38000	-7.321773	20	PASS
			NV	40	-38000	-7.321773	20	PASS
			NV	50	-38000	-7.321773	20	PASS

	Ant1	5230	NV	-30	-37000	-7.074570	20	PASS
			NV	-20	-37000	-7.074570	20	PASS
			NV	-10	-36000	-6.883365	20	PASS
			NV	0	-36000	-6.883365	20	PASS
			NV	10	-35000	-6.692161	20	PASS
			NV	20	-35000	-6.692161	20	PASS
			NV	30	-35000	-6.692161	20	PASS
			NV	40	-35000	-6.692161	20	PASS
			NV	50	-35000	-6.692161	20	PASS
	Ant2	5230	NV	-30	-37000	-7.074570	20	PASS
			NV	-20	-37000	-7.074570	20	PASS
			NV	-10	-37000	-7.074570	20	PASS
			NV	0	-36000	-6.883365	20	PASS
			NV	10	-36000	-6.883365	20	PASS
			NV	20	-35000	-6.692161	20	PASS
			NV	30	-35000	-6.692161	20	PASS
			NV	40	-35000	-6.692161	20	PASS
			NV	50	-35000	-6.692161	20	PASS
	Ant1	5270	NV	-30	-36000	-6.831120	20	PASS
			NV	-20	-36000	-6.831120	20	PASS
			NV	-10	-35000	-6.641366	20	PASS
			NV	0	-35000	-6.641366	20	PASS
			NV	10	-34000	-6.451613	20	PASS
			NV	20	-34000	-6.451613	20	PASS
			NV	30	-33000	-6.261860	20	PASS
			NV	40	-33000	-6.261860	20	PASS
			NV	50	-33000	-6.261860	20	PASS
	Ant2	5270	NV	-30	-36000	-6.831120	20	PASS
			NV	-20	-36000	-6.831120	20	PASS
			NV	-10	-35000	-6.641366	20	PASS
			NV	0	-35000	-6.641366	20	PASS
			NV	10	-34000	-6.451613	20	PASS
			NV	20	-34000	-6.451613	20	PASS
			NV	30	-34000	-6.451613	20	PASS
			NV	40	-34000	-6.451613	20	PASS
			NV	50	-33000	-6.261860	20	PASS
	Ant1	5310	NV	-30	-39000	-7.344633	20	PASS
			NV	-20	-39000	-7.344633	20	PASS
			NV	-10	-39000	-7.344633	20	PASS
			NV	0	-38000	-7.156309	20	PASS
			NV	10	-38000	-7.156309	20	PASS
			NV	20	-38000	-7.156309	20	PASS
			NV	30	-38000	-7.156309	20	PASS
			NV	40	-38000	-7.156309	20	PASS
			NV	50	-38000	-7.156309	20	PASS
	Ant2	5310	NV	-30	-39000	-7.344633	20	PASS
			NV	-20	-39000	-7.344633	20	PASS
			NV	-10	-39000	-7.344633	20	PASS
			NV	0	-39000	-7.344633	20	PASS
			NV	10	-39000	-7.344633	20	PASS
			NV	20	-38000	-7.156309	20	PASS

			NV	30	-38000	-7.156309	20	PASS
			NV	40	-38000	-7.156309	20	PASS
			NV	50	-38000	-7.156309	20	PASS
	Ant1	5510	NV	-30	-41000	-7.441016	20	PASS
			NV	-20	-41000	-7.441016	20	PASS
			NV	-10	-41000	-7.441016	20	PASS
			NV	0	-41000	-7.441016	20	PASS
			NV	10	-40000	-7.259528	20	PASS
			NV	20	-40000	-7.259528	20	PASS
			NV	30	-40000	-7.259528	20	PASS
			NV	40	-40000	-7.259528	20	PASS
			NV	50	-40000	-7.259528	20	PASS
	Ant2	5510	NV	-30	-41000	-7.441016	20	PASS
			NV	-20	-41000	-7.441016	20	PASS
			NV	-10	-41000	-7.441016	20	PASS
			NV	0	-40000	-7.259528	20	PASS
			NV	10	-40000	-7.259528	20	PASS
			NV	20	-40000	-7.259528	20	PASS
			NV	30	-40000	-7.259528	20	PASS
			NV	40	-40000	-7.259528	20	PASS
			NV	50	-40000	-7.259528	20	PASS
	Ant1	5550	NV	-30	-38000	-6.846847	20	PASS
			NV	-20	-38000	-6.846847	20	PASS
			NV	-10	-38000	-6.846847	20	PASS
			NV	0	-37000	-6.666667	20	PASS
			NV	10	-37000	-6.666667	20	PASS
			NV	20	-36000	-6.486486	20	PASS
			NV	30	-36000	-6.486486	20	PASS
			NV	40	-36000	-6.486486	20	PASS
			NV	50	-36000	-6.486486	20	PASS
	Ant2	5550	NV	-30	-39000	-7.027027	20	PASS
			NV	-20	-39000	-7.027027	20	PASS
			NV	-10	-38000	-6.846847	20	PASS
			NV	0	-38000	-6.846847	20	PASS
			NV	10	-37000	-6.666667	20	PASS
			NV	20	-37000	-6.666667	20	PASS
			NV	30	-37000	-6.666667	20	PASS
			NV	40	-36000	-6.486486	20	PASS
			NV	50	-36000	-6.486486	20	PASS
	Ant1	5670	NV	-30	-39000	-6.878307	20	PASS
			NV	-20	-38000	-6.701940	20	PASS
			NV	-10	-37000	-6.525573	20	PASS
			NV	0	-37000	-6.525573	20	PASS
			NV	10	-36000	-6.349206	20	PASS
			NV	20	-36000	-6.349206	20	PASS
			NV	30	-36000	-6.349206	20	PASS
			NV	40	-35000	-6.172840	20	PASS
			NV	50	-35000	-6.172840	20	PASS
	Ant2	5670	NV	-30	-39000	-6.878307	20	PASS
			NV	-20	-38000	-6.701940	20	PASS
			NV	-10	-37000	-6.525573	20	PASS

			NV	0	-37000	-6.525573	20	PASS
			NV	10	-36000	-6.349206	20	PASS
			NV	20	-36000	-6.349206	20	PASS
			NV	30	-36000	-6.349206	20	PASS
			NV	40	-35000	-6.172840	20	PASS
			NV	50	-35000	-6.172840	20	PASS
	Ant1	5755	NV	-30	-40000	-6.950478	20	PASS
			NV	-20	-39000	-6.776716	20	PASS
			NV	-10	-38000	-6.602954	20	PASS
			NV	0	-38000	-6.602954	20	PASS
			NV	10	-37000	-6.429192	20	PASS
			NV	20	-37000	-6.429192	20	PASS
			NV	30	-37000	-6.429192	20	PASS
			NV	40	-36000	-6.255430	20	PASS
	Ant2	5755	NV	50	-36000	-6.255430	20	PASS
			NV	-30	-39000	-6.776716	20	PASS
			NV	-20	-38000	-6.602954	20	PASS
			NV	-10	-38000	-6.602954	20	PASS
			NV	0	-37000	-6.429192	20	PASS
			NV	10	-37000	-6.429192	20	PASS
			NV	20	-36000	-6.255430	20	PASS
			NV	30	-36000	-6.255430	20	PASS
	Ant1	5795	NV	40	-35000	-6.081668	20	PASS
			NV	50	-35000	-6.081668	20	PASS
			NV	-30	-39000	-6.729940	20	PASS
			NV	-20	-38000	-6.557377	20	PASS
			NV	-10	-37000	-6.384814	20	PASS
			NV	0	-36000	-6.212252	20	PASS
			NV	10	-36000	-6.212252	20	PASS
			NV	20	-36000	-6.212252	20	PASS
	Ant2	5795	NV	30	-35000	-6.039689	20	PASS
			NV	40	-35000	-6.039689	20	PASS
			NV	50	-35000	-6.039689	20	PASS
			NV	-30	-40000	-6.902502	20	PASS
			NV	-20	-39000	-6.729940	20	PASS
			NV	-10	-38000	-6.557377	20	PASS
			NV	0	-38000	-6.557377	20	PASS
			NV	10	-37000	-6.384814	20	PASS
11AC80 SISO	Ant1	5210	NV	20	-37000	-6.384814	20	PASS
			NV	30	-36000	-6.212252	20	PASS
			NV	40	-36000	-6.212252	20	PASS
			NV	50	-36000	-6.212252	20	PASS
			NV	-30	-39000	-7.485605	20	PASS
			NV	-20	-38000	-7.293666	20	PASS
			NV	-10	-38000	-7.293666	20	PASS
			NV	0	-38000	-7.293666	20	PASS
			NV	10	-38000	-7.293666	20	PASS
			NV	20	-38000	-7.293666	20	PASS
			NV	30	-38000	-7.293666	20	PASS
			NV	40	-38000	-7.293666	20	PASS
			NV	50	-38000	-7.293666	20	PASS

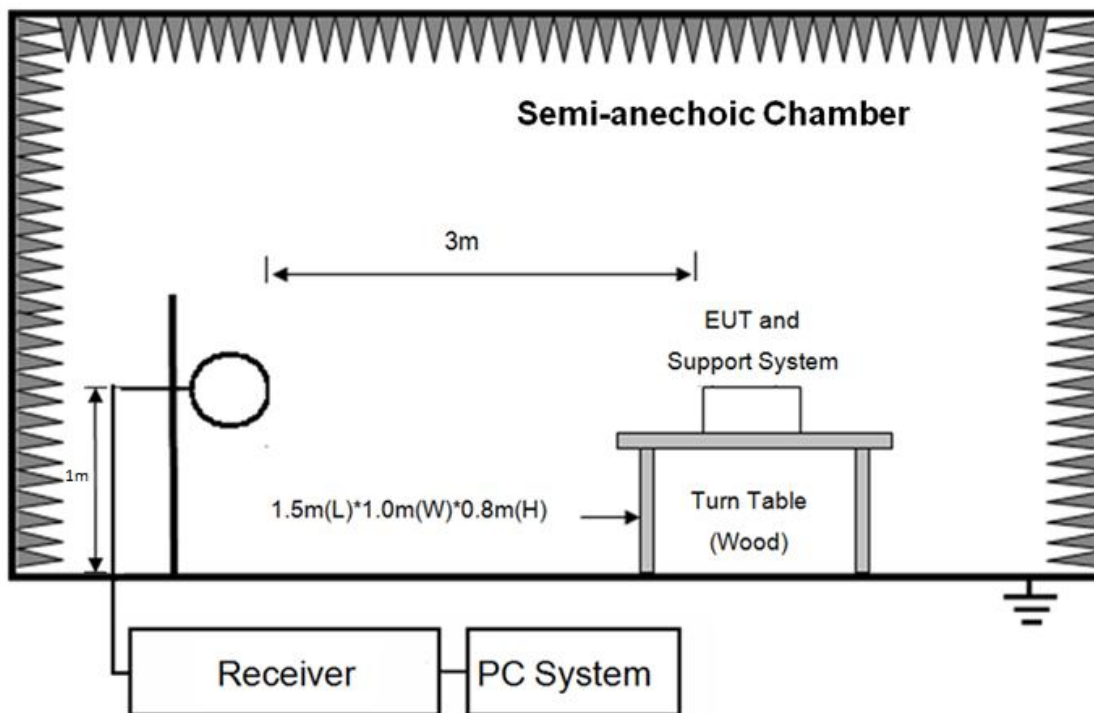
	Ant2	5210	NV	-30	-39000	-7.485605	20	PASS
			NV	-20	-38000	-7.293666	20	PASS
			NV	-10	-38000	-7.293666	20	PASS
			NV	0	-38000	-7.293666	20	PASS
			NV	10	-38000	-7.293666	20	PASS
			NV	20	-38000	-7.293666	20	PASS
			NV	30	-38000	-7.293666	20	PASS
			NV	40	-38000	-7.293666	20	PASS
			NV	50	-38000	-7.293666	20	PASS
	Ant1	5290	NV	-30	-39000	-7.372401	20	PASS
			NV	-20	-39000	-7.372401	20	PASS
			NV	-10	-39000	-7.372401	20	PASS
			NV	0	-39000	-7.372401	20	PASS
			NV	10	-39000	-7.372401	20	PASS
			NV	20	-39000	-7.372401	20	PASS
			NV	30	-39000	-7.372401	20	PASS
			NV	40	-39000	-7.372401	20	PASS
			NV	50	-39000	-7.372401	20	PASS
	Ant2	5290	NV	-30	-39000	-7.372401	20	PASS
			NV	-20	-39000	-7.372401	20	PASS
			NV	-10	-39000	-7.372401	20	PASS
			NV	0	-39000	-7.372401	20	PASS
			NV	10	-39000	-7.372401	20	PASS
			NV	20	-39000	-7.372401	20	PASS
			NV	30	-39000	-7.372401	20	PASS
			NV	40	-39000	-7.372401	20	PASS
			NV	50	-38000	-7.183365	20	PASS
	Ant1	5530	NV	-30	-41000	-7.414105	20	PASS
			NV	-20	-41000	-7.414105	20	PASS
			NV	-10	-41000	-7.414105	20	PASS
			NV	0	-41000	-7.414105	20	PASS
			NV	10	-41000	-7.414105	20	PASS
			NV	20	-41000	-7.414105	20	PASS
			NV	30	-41000	-7.414105	20	PASS
			NV	40	-41000	-7.414105	20	PASS
			NV	50	-41000	-7.414105	20	PASS
	Ant2	5530	NV	-30	-41000	-7.414105	20	PASS
			NV	-20	-41000	-7.414105	20	PASS
			NV	-10	-41000	-7.414105	20	PASS
			NV	0	-41000	-7.414105	20	PASS
			NV	10	-41000	-7.414105	20	PASS
			NV	20	-41000	-7.414105	20	PASS
			NV	30	-41000	-7.414105	20	PASS
			NV	40	-41000	-7.414105	20	PASS
			NV	50	-41000	-7.414105	20	PASS
	Ant1	5610	NV	-30	-41000	-7.308378	20	PASS
			NV	-20	-41000	-7.308378	20	PASS
			NV	-10	-40000	-7.130125	20	PASS
			NV	0	-40000	-7.130125	20	PASS
			NV	10	-39000	-6.951872	20	PASS
			NV	20	-39000	-6.951872	20	PASS

			NV	30	-38000	-6.773619	20	PASS
			NV	40	-38000	-6.773619	20	PASS
			NV	50	-38000	-6.773619	20	PASS
	Ant2	5610	NV	-30	-41000	-7.308378	20	PASS
			NV	-20	-40000	-7.130125	20	PASS
			NV	-10	-39000	-6.951872	20	PASS
			NV	0	-39000	-6.951872	20	PASS
			NV	10	-39000	-6.951872	20	PASS
			NV	20	-38000	-6.773619	20	PASS
			NV	30	-38000	-6.773619	20	PASS
			NV	40	-37000	-6.595365	20	PASS
			NV	50	-37000	-6.595365	20	PASS
	Ant1	5775	NV	-30	-42000	-7.272727	20	PASS
			NV	-20	-42000	-7.272727	20	PASS
			NV	-10	-41000	-7.099567	20	PASS
			NV	0	-41000	-7.099567	20	PASS
			NV	10	-40000	-6.926407	20	PASS
			NV	20	-40000	-6.926407	20	PASS
			NV	30	-39000	-6.753247	20	PASS
			NV	40	-39000	-6.753247	20	PASS
			NV	50	-39000	-6.753247	20	PASS
	Ant2	5775	NV	-30	-42000	-7.272727	20	PASS
			NV	-20	-41000	-7.099567	20	PASS
			NV	-10	-40000	-6.926407	20	PASS
			NV	0	-40000	-6.926407	20	PASS
			NV	10	-39000	-6.753247	20	PASS
			NV	20	-39000	-6.753247	20	PASS
			NV	30	-38000	-6.580087	20	PASS
			NV	40	-38000	-6.580087	20	PASS
			NV	50	-38000	-6.580087	20	PASS

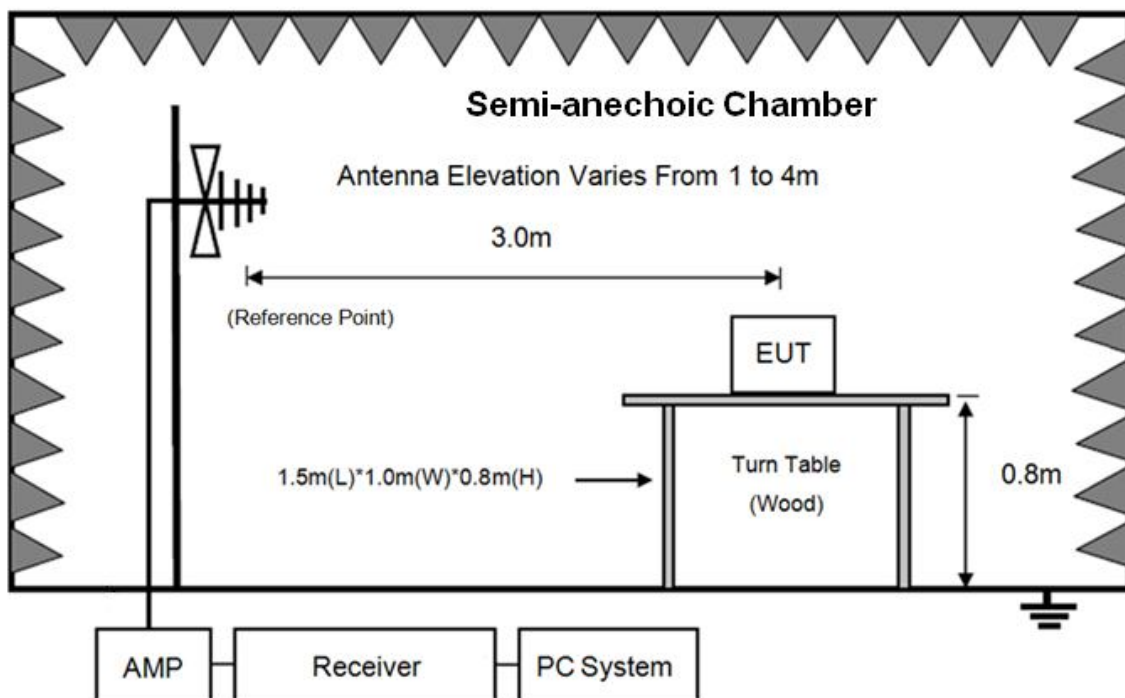
8. Spurious Emissions

8.1. Block diagram of test setup

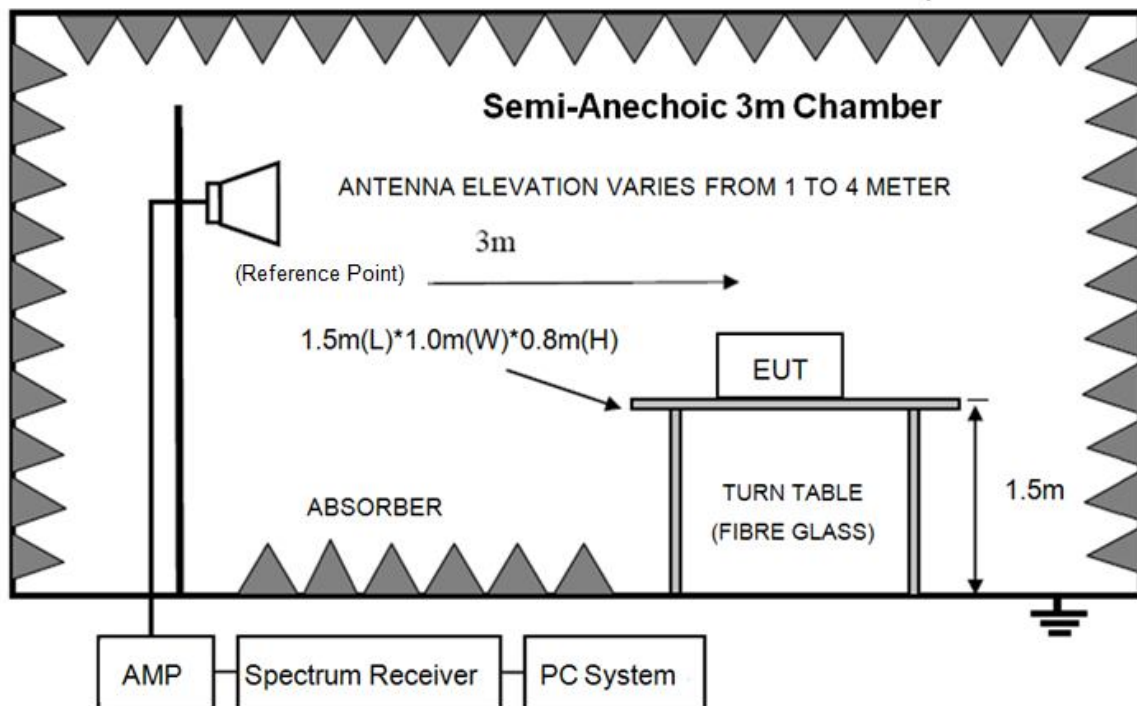
In 3 m Anechoic Chamber Test Setup Diagram for 9 kHz - 30 MHz



In 3 m Anechoic Chamber Test Setup Diagram for 30 MHz - 1 GHz



In 3 m Anechoic Chamber Test Setup Diagram for frequency above 1 GHz



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

8.2. Limit

8.3.1 FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

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

²Above 38.6

8.3.2 FCC 15.209 Limit.

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

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

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

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

8.3.3 Limit for this EUT

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

8.3. Test procedure

- (1) EUT height should be 0.8 m for below 1 GHz at a semi - anechoic chamber while EUT height should be 1.5 m for above 1 GHz at full chamber or semi - anechoic chamber ground with absorbers
- (2) Setup EUT and assistant system according clause 2.3 and 8.2
- (3) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

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

According ANSI C63.10:2013 clause 6.4.4.2 and 6.5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also is positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. For measurement above 30 MHz, the Trilog Broadband Antenna or Horn Antenna was located 3 m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

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

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

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

(c) Change modulation type of device if practicable.

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

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions. Spectrum frequency from 9 kHz to 40 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so below final test was performed with frequency range from 30 MHz to 18 GHz.

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

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

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

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

- (8) For emissions above 1 GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure, according ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.
- (9) X axis, Y axis, Z axis are tested, and the worst setup X axis is reported.

8.4. Test result

PASS. (See below detailed test result)

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

Note1: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in 11a mode.

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

Radiated Emission test (below 1 GHz)

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

E:\2020 RE2# Report Data\Q20032021-1E HK-Citation 200\FCC
BELOW1G.EM6

Test Date : 2020-06-03

Tested By : Kennys

EUT : Wireless Speaker

Model Number : CITATION 200

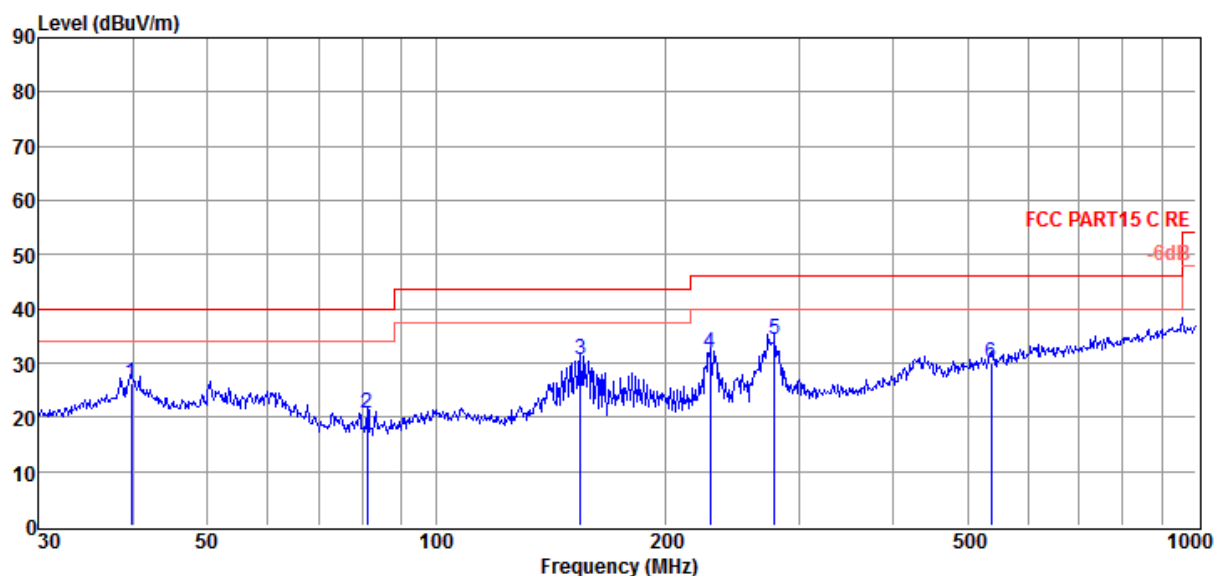
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa Antenna/Distance : 2019 VULB 9163 2#/3m/VERTICAL

Memo :

Data: 7



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	39.72	8.24	14.44	3.70	26.38	40.00	-13.62	QP	VERTICAL
2	81.21	7.82	8.88	4.05	20.75	40.00	-19.25	QP	VERTICAL
3	154.82	17.42	8.49	4.57	30.48	43.50	-13.02	QP	VERTICAL
4	229.29	14.58	12.28	5.02	31.88	46.00	-14.12	QP	VERTICAL
5	279.04	15.58	13.54	5.27	34.39	46.00	-11.61	QP	VERTICAL
6	537.59	5.34	18.34	6.47	30.15	46.00	-15.85	QP	VERTICAL

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

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

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

E:\2020 RE2# Report Data\Q20032021-1E HK-Citation 200\FCC
BELOW1G.EM6

Test Date : 2020-06-03

Tested By : Kennys

EUT : Wireless Speaker

Model Number : CITATION 200

Power Supply : Battery

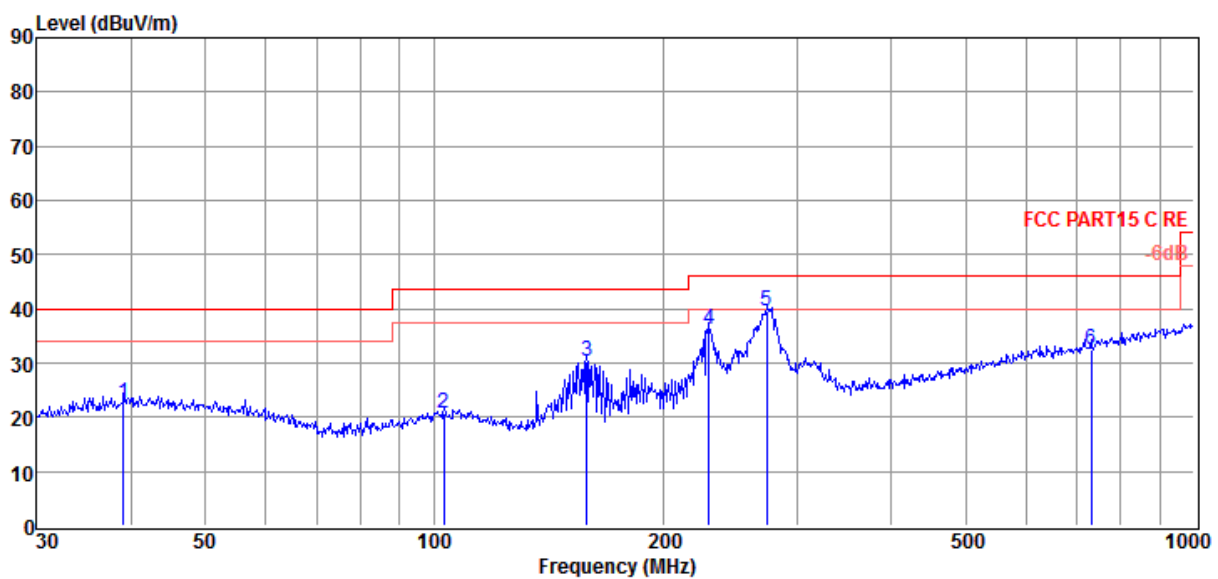
Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2019 VULB 9163 2#/3m/HORIZONTAL

Memo :

Data: 8



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	39.02	4.43	14.30	3.70	22.43	40.00	-17.57	QP	HORIZONTAL
2	103.08	4.93	11.67	4.23	20.83	43.50	-22.67	QP	HORIZONTAL
3	158.67	16.90	8.80	4.60	30.30	43.50	-13.20	QP	HORIZONTAL
4	230.10	18.96	12.30	5.02	36.28	46.00	-9.72	QP	HORIZONTAL
5	274.19	20.92	13.42	5.25	39.59	46.00	-6.41	QP	HORIZONTAL
6	731.92	4.73	20.33	7.30	32.36	46.00	-13.64	QP	HORIZONTAL

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

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

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

Radiated Emission test (above 1 GHz)

Freq (MHz)	Read level (dBμV)	Antenna Factor (dB/m)	PRM Factor(dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detect or type	Polarization
11a CH36									
5471.00	45.98	32.69	43.26	6.60	42.01	74.00	-31.99	Peak	HORIZONTAL
7681.00	44.39	37.55	42.84	8.33	47.43	74.00	-26.57	Peak	HORIZONTAL
10690.00	43.36	40.28	42.36	9.32	50.60	74.00	-23.40	Peak	HORIZONTAL
12849.00	43.24	39.30	41.41	10.67	51.80	74.00	-22.20	Peak	HORIZONTAL
14566.00	41.32	40.69	40.24	11.34	53.11	74.00	-20.89	Peak	HORIZONTAL
16300.00	41.68	39.72	40.08	11.82	53.14	74.00	-20.86	Peak	HORIZONTAL
5556.00	47.07	32.76	43.23	6.66	43.26	74.00	-30.74	Peak	VERTICAL
7154.00	46.22	37.09	42.92	7.73	48.12	74.00	-25.88	Peak	VERTICAL
10010.00	44.21	39.51	42.40	9.38	50.70	74.00	-23.30	Peak	VERTICAL
12101.00	44.37	39.00	42.19	10.56	51.74	74.00	-22.26	Peak	VERTICAL
14056.00	41.60	40.89	40.29	10.97	53.17	74.00	-20.83	Peak	VERTICAL
16419.00	41.20	40.24	40.08	11.93	53.29	74.00	-20.71	Peak	VERTICAL
11a CH40									
6491.00	44.46	35.26	43.02	7.26	43.96	74.00	-30.04	Peak	HORIZONTAL
8055.00	43.98	37.97	42.79	8.69	47.85	74.00	-26.15	Peak	HORIZONTAL
10435.00	43.61	40.11	42.38	9.35	50.69	74.00	-23.31	Peak	HORIZONTAL
11795.00	45.13	39.35	42.31	10.29	52.46	74.00	-21.54	Peak	HORIZONTAL
14345.00	40.85	40.83	40.26	11.18	52.60	74.00	-21.40	Peak	HORIZONTAL
16249.00	41.21	39.50	40.09	11.77	52.39	74.00	-21.61	Peak	HORIZONTAL
7154.00	45.47	37.09	42.92	7.73	47.37	74.00	-26.63	Peak	VERTICAL
8055.00	43.98	37.97	42.79	8.69	47.85	74.00	-26.15	Peak	VERTICAL
10435.00	43.61	40.11	42.38	9.35	50.69	74.00	-23.31	Peak	VERTICAL
11795.00	45.13	39.35	42.31	10.29	52.46	74.00	-21.54	Peak	VERTICAL
13750.00	42.40	40.60	40.53	10.87	53.34	74.00	-20.66	Peak	VERTICAL
15654.00	41.85	38.82	40.13	11.56	52.10	74.00	-21.90	Peak	VERTICAL
11a CH48									
7545.00	44.73	37.36	42.86	8.18	47.41	74.00	-26.59	Peak	HORIZONTAL
10435.00	43.29	40.11	42.38	9.35	50.37	74.00	-23.63	Peak	HORIZONTAL
12101.00	44.60	39.00	42.19	10.56	51.97	74.00	-22.03	Peak	HORIZONTAL
13529.00	41.41	40.33	40.74	10.82	51.82	74.00	-22.18	Peak	HORIZONTAL
14396.00	41.44	40.82	40.26	11.22	53.22	74.00	-20.78	Peak	HORIZONTAL
15484.00	42.37	39.03	40.15	11.59	52.84	74.00	-21.16	Peak	HORIZONTAL
7137.00	47.35	37.08	42.92	7.71	49.22	74.00	-24.78	Peak	VERTICAL
8021.00	44.50	37.99	42.80	8.69	48.38	74.00	-25.62	Peak	VERTICAL
10469.00	43.07	40.16	42.37	9.34	50.20	74.00	-23.80	Peak	VERTICAL
11234.00	43.37	40.07	42.34	9.59	50.69	74.00	-23.31	Peak	VERTICAL
13155.00	43.21	39.82	41.11	10.73	52.65	74.00	-21.35	Peak	VERTICAL
15246.00	41.55	39.51	40.17	11.62	52.51	74.00	-21.49	Peak	VERTICAL

Freq (MHz)	Read level (dBμV)	Anten na Facto r (dB/ m)	PRM Factor(dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margi n (dB)	Detector type	Polarization
11a CH52									
8055.00	43.46	37.97	42.79	8.69	47.33	74.00	-26.67	Peak	HORIZONTAL
10741.00	42.78	40.30	42.36	9.32	50.04	74.00	-23.96	Peak	HORIZONTAL
11761.00	44.18	39.39	42.31	10.25	51.51	74.00	-22.49	Peak	HORIZONTAL
13580.00	40.85	40.40	40.70	10.83	51.38	74.00	-22.62	Peak	HORIZONTAL
14940.00	40.45	40.10	40.20	11.61	51.96	74.00	-22.04	Peak	HORIZONTAL
16436.00	40.88	40.32	40.08	11.95	53.07	74.00	-20.93	Peak	HORIZONTAL
7494.00	45.57	37.30	42.87	8.12	48.12	74.00	-25.88	Peak	VERTICAL
10129.00	43.18	39.68	42.39	9.37	49.84	74.00	-24.16	Peak	VERTICAL
12186.00	44.09	38.91	42.10	10.58	51.48	74.00	-22.52	Peak	VERTICAL
13886.00	41.01	40.76	40.41	10.90	52.26	74.00	-21.74	Peak	VERTICAL
14855.00	41.69	40.23	40.21	11.55	53.26	74.00	-20.74	Peak	VERTICAL
16317.00	40.56	39.79	40.08	11.83	52.10	74.00	-21.90	Peak	VERTICAL
11a CH56									
7494.00	44.53	37.30	42.87	8.12	47.08	74.00	-26.92	Peak	HORIZONTAL
9381.00	43.55	39.00	42.51	8.90	48.94	74.00	-25.06	Peak	HORIZONTAL
10741.00	42.78	40.30	42.36	9.32	50.04	74.00	-23.96	Peak	HORIZONTAL
12866.00	42.87	39.33	41.40	10.67	51.47	74.00	-22.53	Peak	HORIZONTAL
13801.00	41.32	40.66	40.49	10.88	52.37	74.00	-21.63	Peak	HORIZONTAL
16249.00	41.36	39.50	40.09	11.77	52.54	74.00	-21.46	Peak	HORIZONTAL
7800.00	44.04	37.72	42.83	8.46	47.39	74.00	-26.61	Peak	VERTICAL
9704.00	43.62	39.26	42.45	9.15	49.58	74.00	-24.42	Peak	VERTICAL
11761.00	43.59	39.39	42.31	10.25	50.92	74.00	-23.08	Peak	VERTICAL
13155.00	42.64	39.82	41.11	10.73	52.08	74.00	-21.92	Peak	VERTICAL
14430.00	40.82	40.81	40.25	11.24	52.62	74.00	-21.38	Peak	VERTICAL
16504.00	40.78	40.61	40.07	12.02	53.34	74.00	-20.66	Peak	VERTICAL
11a CH64									
7154.00	44.30	37.09	42.92	7.73	46.20	74.00	-27.80	Peak	HORIZONTAL
10435.00	43.61	40.11	42.38	9.35	50.69	74.00	-23.31	Peak	HORIZONTAL
11574.00	44.39	39.61	42.32	10.02	51.70	74.00	-22.30	Peak	HORIZONTAL
12849.00	42.62	39.30	41.41	10.67	51.18	74.00	-22.82	Peak	HORIZONTAL
14379.00	41.11	40.82	40.26	11.20	52.87	74.00	-21.13	Peak	HORIZONTAL
15076.00	41.18	39.85	40.19	11.64	52.48	74.00	-21.52	Peak	HORIZONTAL
7494.00	44.82	37.30	42.87	8.12	47.37	74.00	-26.63	Peak	VERTICAL
10010.00	44.09	39.51	42.40	9.38	50.58	74.00	-23.42	Peak	VERTICAL
12645.00	43.71	38.89	41.62	10.64	51.62	74.00	-22.38	Peak	VERTICAL
13410.00	42.39	40.17	40.86	10.79	52.49	74.00	-21.51	Peak	VERTICAL
14175.00	41.76	40.87	40.28	11.06	53.41	74.00	-20.59	Peak	VERTICAL
16334.00	41.47	39.87	40.08	11.85	53.11	74.00	-20.89	Peak	VERTICAL
Conclusion: Pass									

Freq (MHz)	Read level (dBμV)	Antenna Factor (dB/m)	PRM Factor(dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detect or type	Polarization
11a CH110									
7545.00	44.06	37.36	42.86	8.18	46.74	74.00	-27.26	Peak	HORIZONTAL
10010.00	43.71	39.51	42.40	9.38	50.20	74.00	-23.80	Peak	HORIZONTAL
11795.00	42.92	39.35	42.31	10.29	50.25	74.00	-23.75	Peak	HORIZONTAL
12849.00	42.62	39.30	41.41	10.67	51.18	74.00	-22.82	Peak	HORIZONTAL
14379.00	41.11	40.82	40.26	11.20	52.87	74.00	-21.13	Peak	HORIZONTAL
16419.00	41.02	40.24	40.08	11.93	53.11	74.00	-20.89	Peak	HORIZONTAL
7511.00	43.48	37.32	42.87	8.14	46.07	74.00	-27.93	Peak	VERTICAL
10129.00	43.15	39.68	42.39	9.37	49.81	74.00	-24.19	Peak	VERTICAL
11829.00	43.76	39.31	42.31	10.34	51.10	74.00	-22.90	Peak	VERTICAL
12645.00	44.99	38.89	41.62	10.64	52.90	74.00	-21.10	Peak	VERTICAL
14175.00	41.21	40.87	40.28	11.06	52.86	74.00	-21.14	Peak	VERTICAL
16504.00	40.66	40.61	40.07	12.02	53.22	74.00	-20.78	Peak	VERTICAL
11a CH116									
7239.00	44.06	37.14	42.90	7.83	46.13	74.00	-27.87	Peak	HORIZONTAL
10435.00	43.61	40.11	42.38	9.35	50.69	74.00	-23.31	Peak	HORIZONTAL
12101.00	43.52	39.00	42.19	10.56	50.89	74.00	-23.11	Peak	HORIZONTAL
13546.00	42.09	40.36	40.73	10.82	52.54	74.00	-21.46	Peak	HORIZONTAL
14396.00	40.51	40.82	40.26	11.22	52.29	74.00	-21.71	Peak	HORIZONTAL
16419.00	41.02	40.24	40.08	11.93	53.11	74.00	-20.89	Peak	HORIZONTAL
7154.00	45.58	37.09	42.92	7.73	47.48	74.00	-26.52	Peak	VERTICAL
10129.00	43.15	39.68	42.39	9.37	49.81	74.00	-24.19	Peak	VERTICAL
11234.00	43.16	40.07	42.34	9.59	50.48	74.00	-23.52	Peak	VERTICAL
12645.00	44.99	38.89	41.62	10.64	52.90	74.00	-21.10	Peak	VERTICAL
14175.00	41.21	40.87	40.28	11.06	52.86	74.00	-21.14	Peak	VERTICAL
16419.00	41.12	40.24	40.08	11.93	53.21	74.00	-20.79	Peak	VERTICAL
11a CH140									
7834.00	43.70	37.77	42.82	8.50	47.15	74.00	-26.85	Peak	HORIZONTAL
10435.00	42.86	40.11	42.38	9.35	49.94	74.00	-24.06	Peak	HORIZONTAL
12101.00	43.67	39.00	42.19	10.56	51.04	74.00	-22.96	Peak	HORIZONTAL
12866.00	43.86	39.33	41.40	10.67	52.46	74.00	-21.54	Peak	HORIZONTAL
13699.00	41.63	40.54	40.58	10.86	52.45	74.00	-21.55	Peak	HORIZONTAL
15824.00	42.41	38.61	40.12	11.54	52.44	74.00	-21.56	Peak	HORIZONTAL
7154.00	46.12	37.09	42.92	7.73	48.02	74.00	-25.98	Peak	VERTICAL
9364.00	43.70	38.99	42.52	8.88	49.05	74.00	-24.95	Peak	VERTICAL
11540.00	44.07	39.65	42.32	9.98	51.38	74.00	-22.62	Peak	VERTICAL
13410.00	41.54	40.17	40.86	10.79	51.64	74.00	-22.36	Peak	VERTICAL
14464.00	41.18	40.81	40.25	11.26	53.00	74.00	-21.00	Peak	VERTICAL
16504.00	40.57	40.61	40.07	12.02	53.13	74.00	-20.87	Peak	VERTICAL

Freq (MHz)	Read level (dBμV)	Antenna Factor (dB/m)	PRM Factor(dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detect or type	Polarization
11a CH149									
7834.00	43.70	37.77	42.82	8.50	47.15	74.00	-26.85	Peak	HORIZONTAL
10435.00	42.86	40.11	42.38	9.35	49.94	74.00	-24.06	Peak	HORIZONTAL
12101.00	43.67	39.00	42.19	10.56	51.04	74.00	-22.96	Peak	HORIZONTAL
13410.00	41.69	40.17	40.86	10.79	51.79	74.00	-22.21	Peak	HORIZONTAL
14294.00	40.72	40.84	40.27	11.14	52.43	74.00	-21.57	Peak	HORIZONTAL
16266.00	40.96	39.57	40.09	11.78	52.22	74.00	-21.78	Peak	HORIZONTAL
7239.00	43.88	37.14	42.90	7.83	45.95	74.00	-28.05	Peak	VERTICAL
8259.00	43.41	37.84	42.74	8.67	47.18	74.00	-26.82	Peak	VERTICAL
10010.00	44.09	39.51	42.40	9.38	50.58	74.00	-23.42	Peak	VERTICAL
11795.00	44.45	39.35	42.31	10.29	51.78	74.00	-22.22	Peak	VERTICAL
13189.00	42.71	39.86	41.07	10.74	52.24	74.00	-21.76	Peak	VERTICAL
14090.00	41.38	40.88	40.29	10.99	52.96	74.00	-21.04	Peak	VERTICAL
11a CH157									
7290.00	43.10	37.17	42.90	7.89	45.26	74.00	-28.74	Peak	HORIZONTAL
9704.00	43.16	39.26	42.45	9.15	49.12	74.00	-24.88	Peak	HORIZONTAL
11761.00	43.65	39.39	42.31	10.25	50.98	74.00	-23.02	Peak	HORIZONTAL
13699.00	41.63	40.54	40.58	10.86	52.45	74.00	-21.55	Peak	HORIZONTAL
14685.00	40.47	40.50	40.23	11.42	52.16	74.00	-21.84	Peak	HORIZONTAL
16402.00	41.46	40.17	40.08	11.92	53.47	74.00	-20.53	Peak	HORIZONTAL
6491.00	45.05	35.26	43.02	7.26	44.55	74.00	-29.45	Peak	VERTICAL
9245.00	41.78	38.90	42.54	8.79	46.93	74.00	-27.07	Peak	VERTICAL
11234.00	43.72	40.07	42.34	9.59	51.04	74.00	-22.96	Peak	VERTICAL
12866.00	42.43	39.33	41.40	10.67	51.03	74.00	-22.97	Peak	VERTICAL
14430.00	41.76	40.81	40.25	11.24	53.56	74.00	-20.44	Peak	VERTICAL
16249.00	41.00	39.50	40.09	11.77	52.18	74.00	-21.82	Peak	VERTICAL
11a CH165									
6984.00	43.55	36.95	42.94	7.55	45.11	74.00	-28.89	Peak	HORIZONTAL
7834.00	43.70	37.77	42.82	8.50	47.15	74.00	-26.85	Peak	HORIZONTAL
9925.00	42.79	39.44	42.41	9.32	49.14	74.00	-24.86	Peak	HORIZONTAL
12135.00	42.73	38.97	42.15	10.57	50.12	74.00	-23.88	Peak	HORIZONTAL
13699.00	41.63	40.54	40.58	10.86	52.45	74.00	-21.55	Peak	HORIZONTAL
16419.00	41.70	40.24	40.08	11.93	53.79	74.00	-20.21	Peak	HORIZONTAL
6916.00	43.43	36.71	42.95	7.51	44.70	74.00	-29.30	Peak	VERTICAL
9670.00	43.36	39.24	42.46	9.12	49.26	74.00	-24.74	Peak	VERTICAL
11795.00	43.95	39.35	42.31	10.29	51.28	74.00	-22.72	Peak	VERTICAL
13716.00	41.47	40.56	40.57	10.86	52.32	74.00	-21.68	Peak	VERTICAL
14889.00	41.17	40.18	40.21	11.57	52.71	74.00	-21.29	Peak	VERTICAL
16436.00	41.24	40.32	40.08	11.95	53.43	74.00	-20.57	Peak	VERTICAL
Conclusion: Pass									
Note: $-27 \text{ dBm/MHz Limit} = 95.2 + \text{EIRP}[\text{dBm}] = 95.2 - 27 = 68.2 \text{ dBμV/m}$ For transmitters operating in the 5150 MHz - 5250 MHz, 5250 MHz - 5350 MHz, 5470 MHz - 5725 MHz, 5725 MHz - 5850 MHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.									

Note: 1. 30 MHz ~ 40 GHz: (11a, 11n20, n40, 11ac20, 11ac40, 11ac80 mode all have been tested, only 11a ANT 2 mode is the worst case and reported.)

2. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

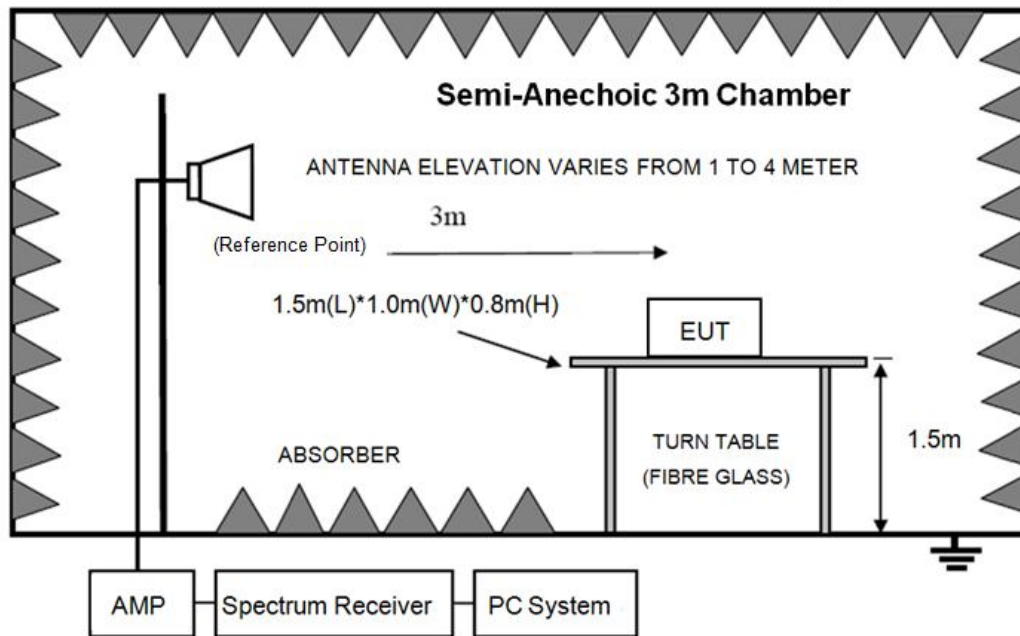
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. All the emissions were comply with 54 dB μ V/m for Average value in 15.209, so both for the restricted bands and non-restricted bands, all the emissions were comply with the limit.

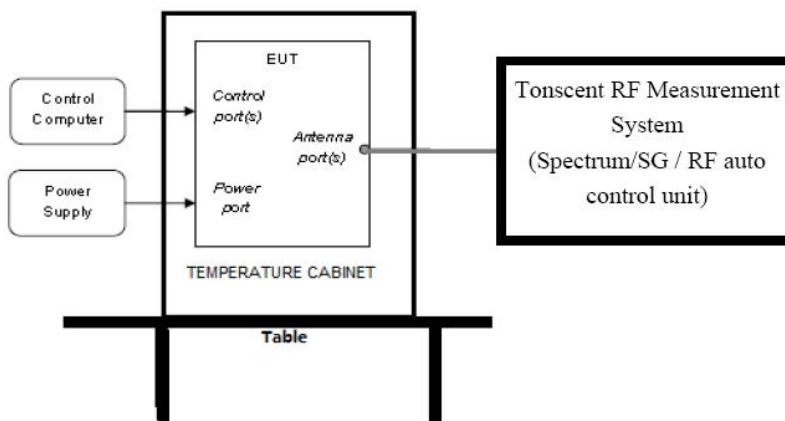
9. Band Edge Compliance

9.1. Block diagram of test setup

Radiated measurement:



Conducted measurement:



9.2. Limit

For transmitters operating in the 5.15 - 5.25 GHz and 5.725 - 5.85 GHz band: all emissions outside of the 5.15 - 5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.

$$-27 \text{ dBm/MHz Limit} = 95.2 + \text{EIRP}[\text{dBm}] = 95.2 - 27 = 68.2 \text{ dB}\mu\text{V/m}$$