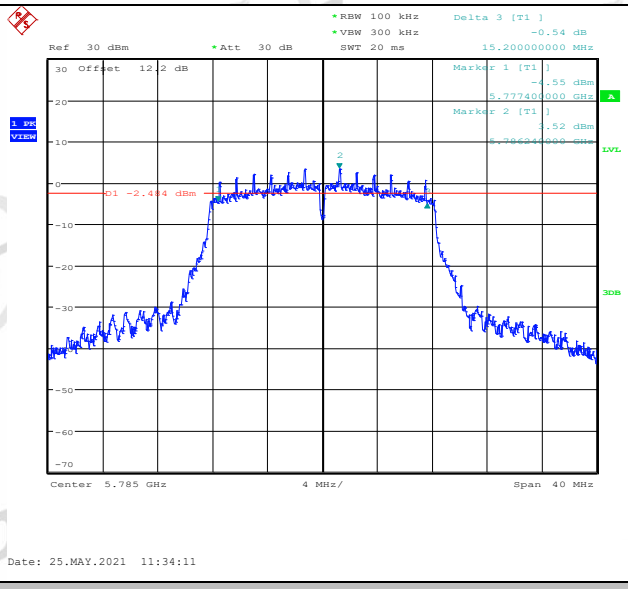
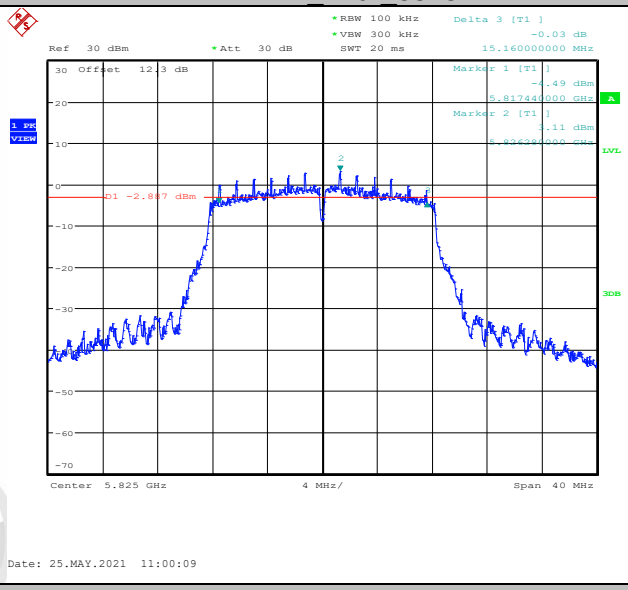
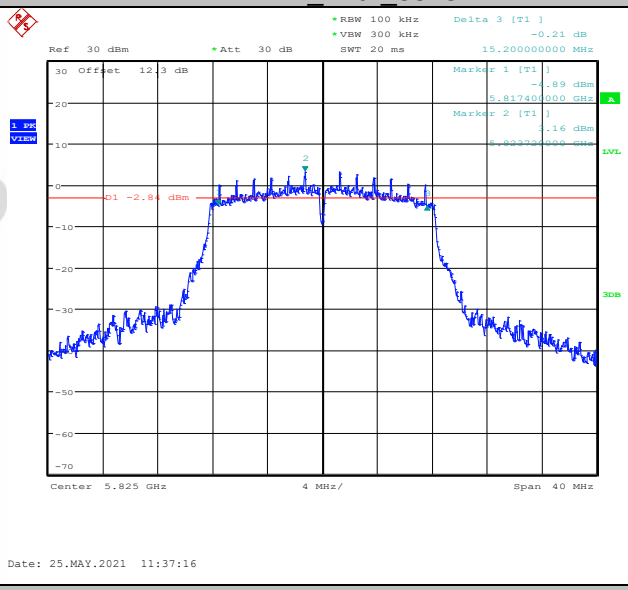


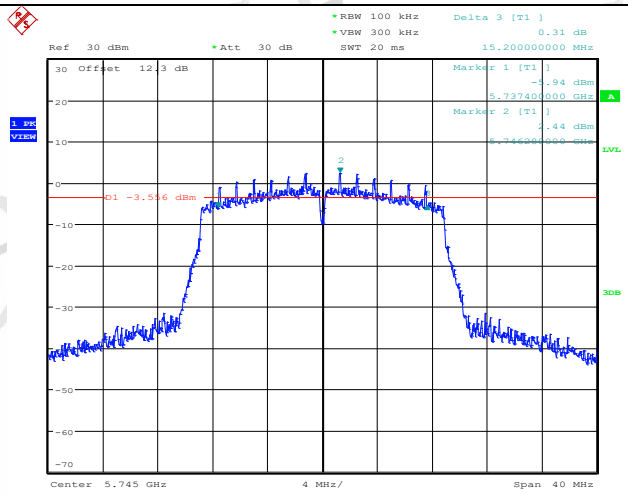
11A_Ant1_5825



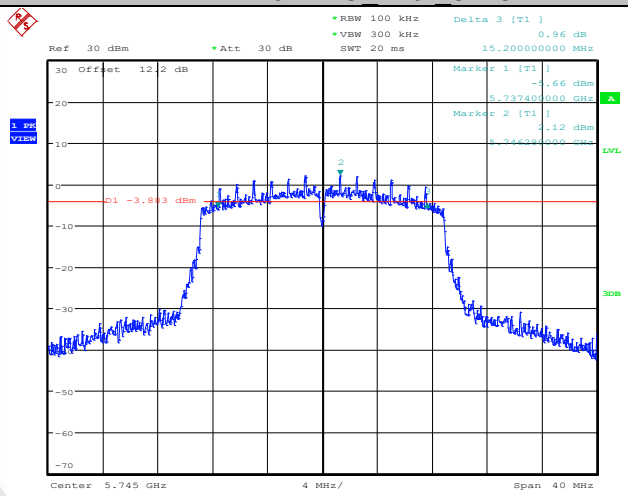
11A_Ant2_5825



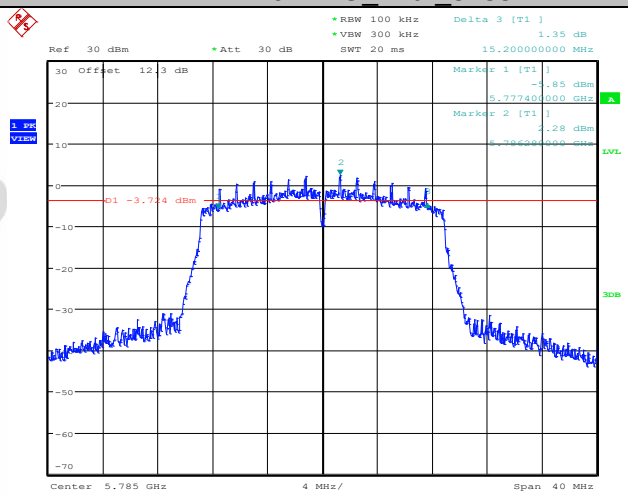
11N20MIMO_Ant1_5745



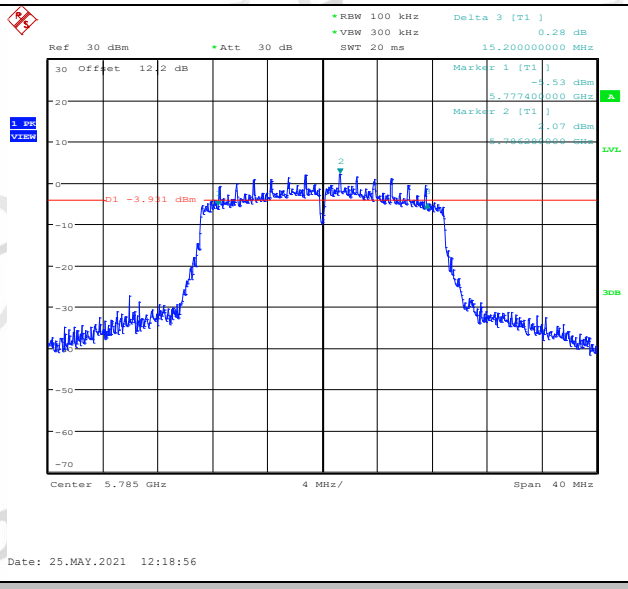
11N20MIMO_Ant2_5745



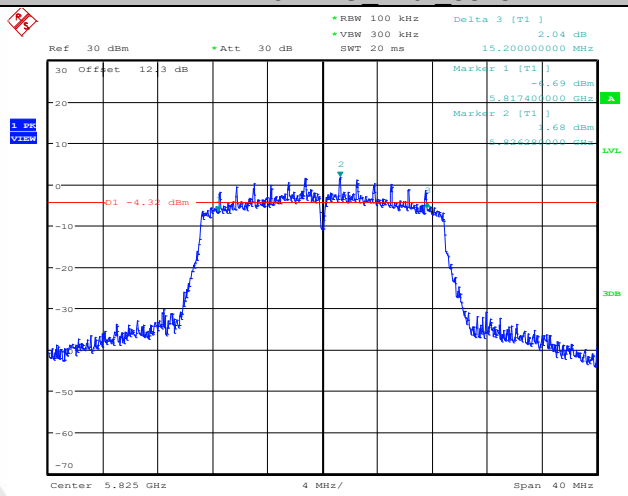
11N20MIMO_Ant1_5785



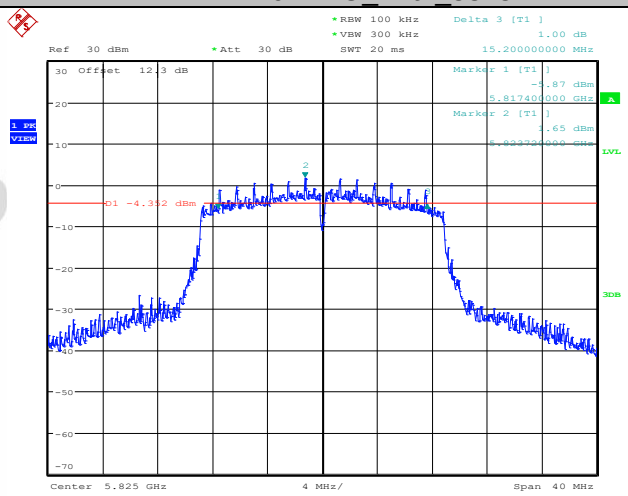
11N20MIMO_Ant2_5785



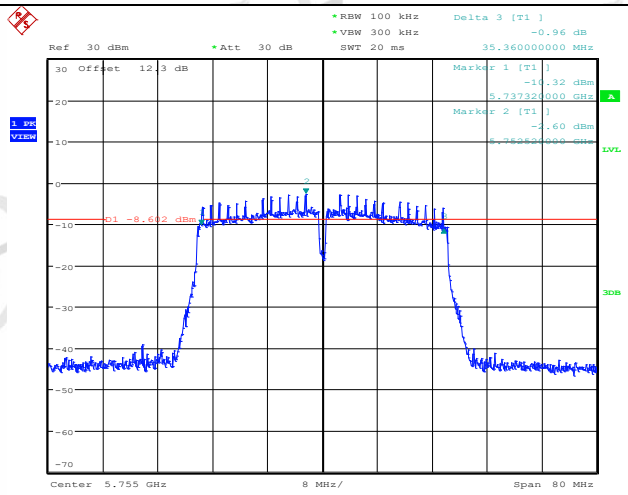
11N20MIMO_Ant1_5825



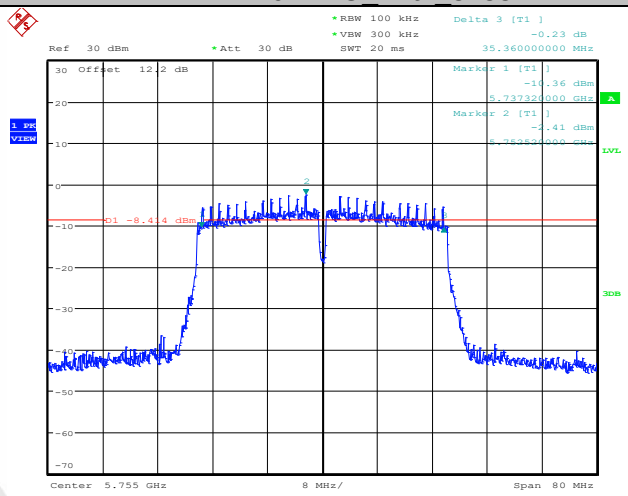
11N20MIMO_Ant2_5825



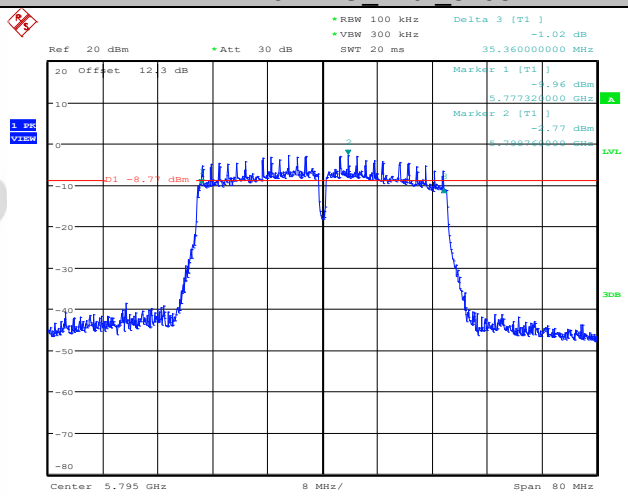
11N40MIMO_Ant1_5755



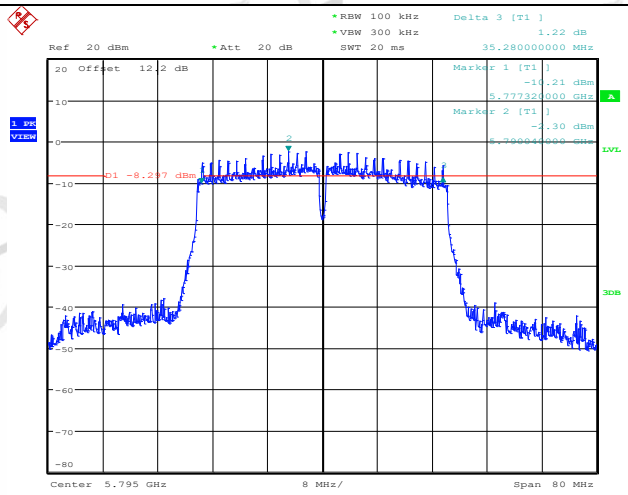
11N40MIMO_Ant2_5755



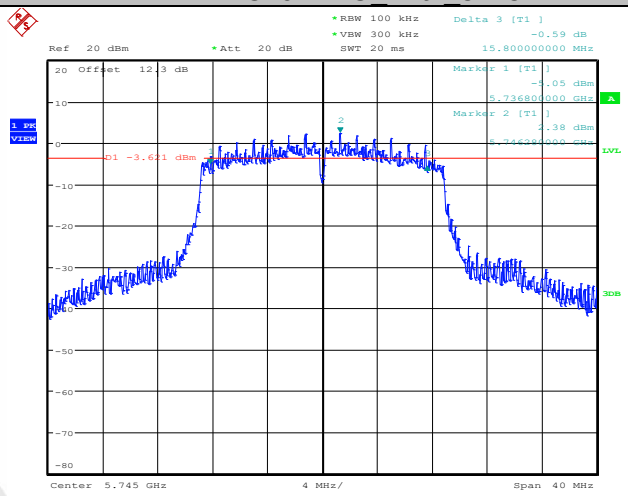
11N40MIMO_Ant1_5795



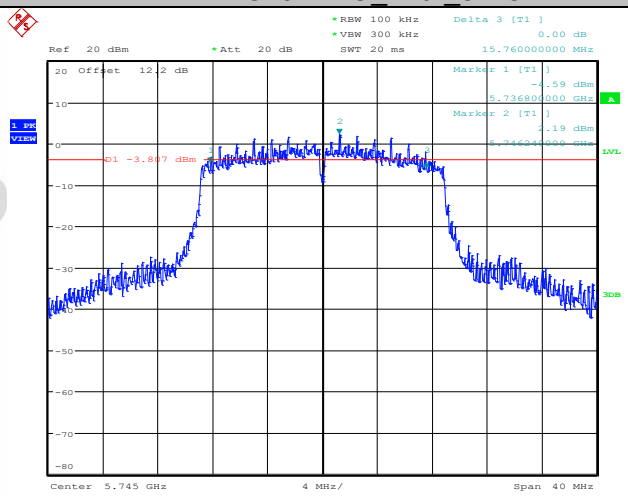
11N40MIMO_Ant2_5795



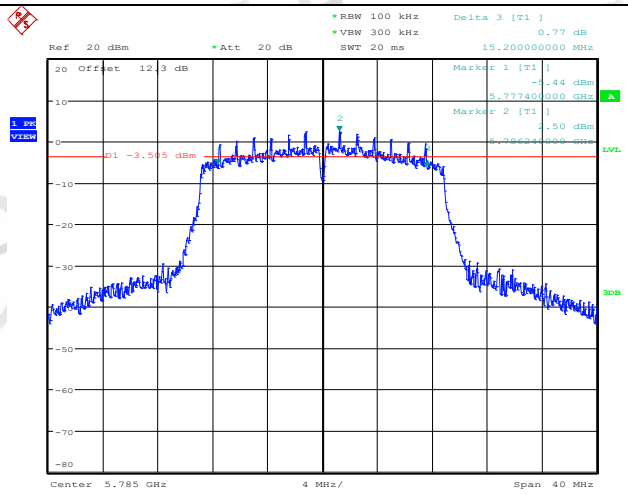
11AC20MIMO_Ant1_5745



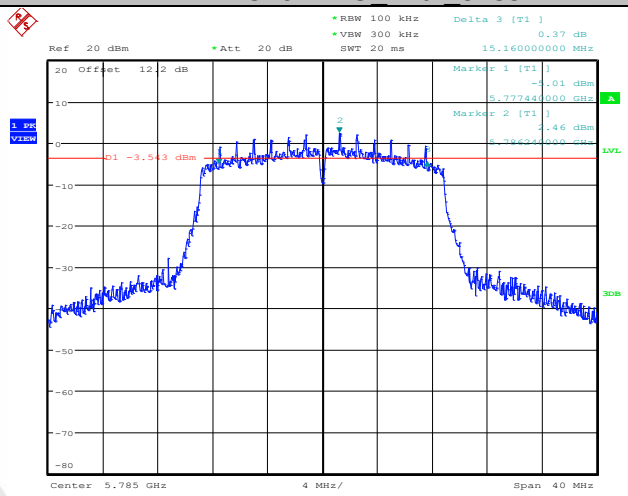
11AC20MIMO_Ant2_5745



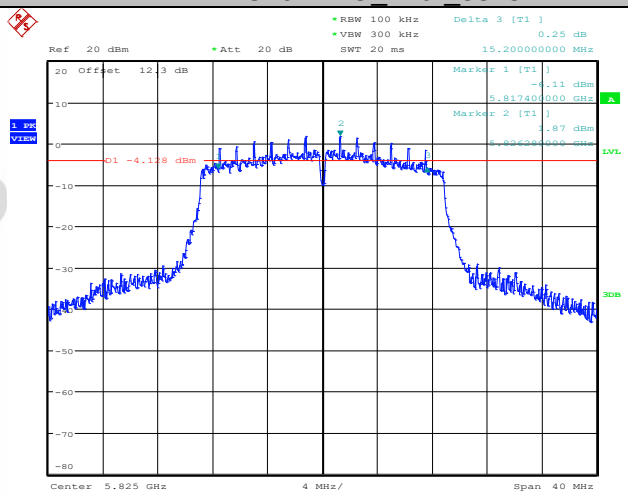
11AC20MIMO_Ant1_5785



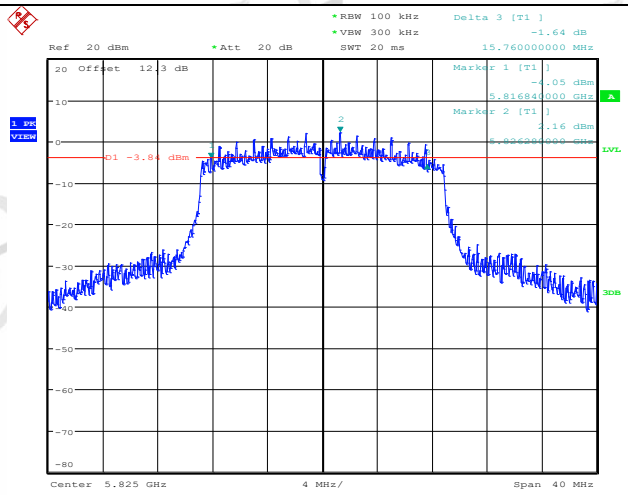
11AC20MIMO_Ant2_5785



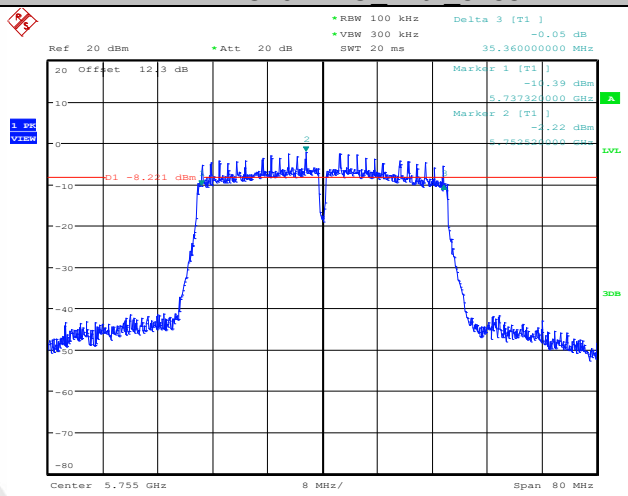
11AC20MIMO_Ant1_5825



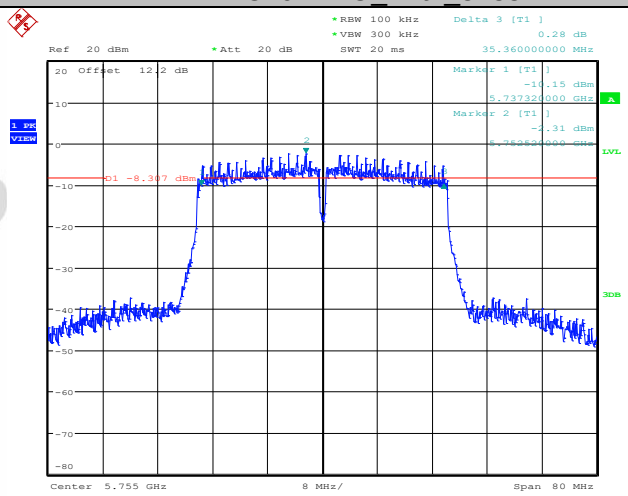
11AC20MIMO_Ant2_5825



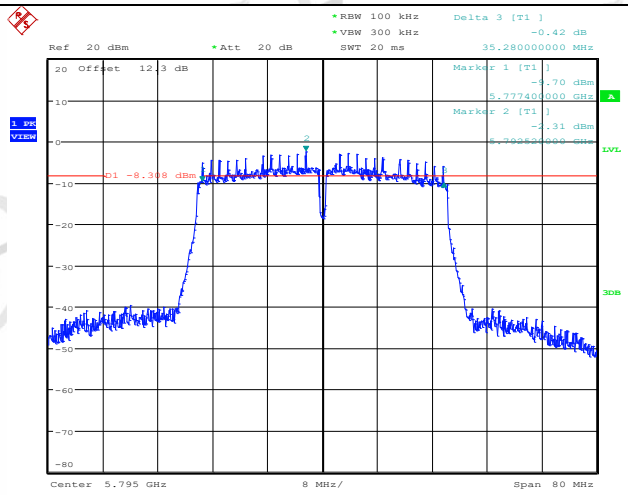
11AC40MIMO_Ant1_5755



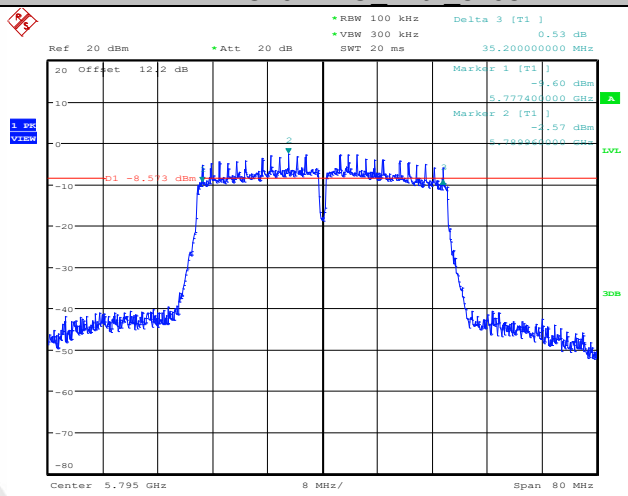
11AC40MIMO_Ant2_5755



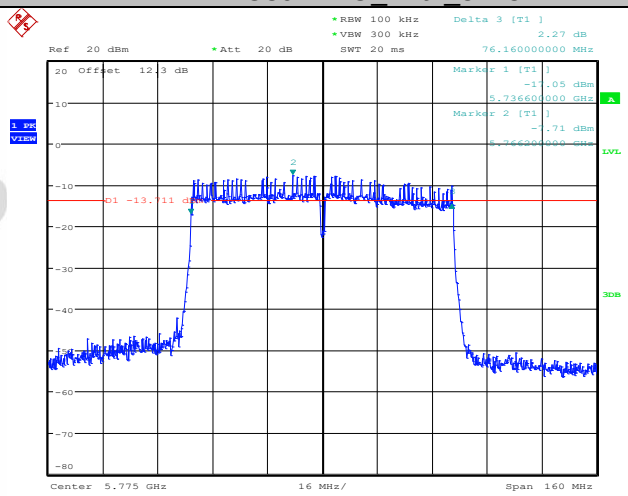
11AC40MIMO_Ant1_5795



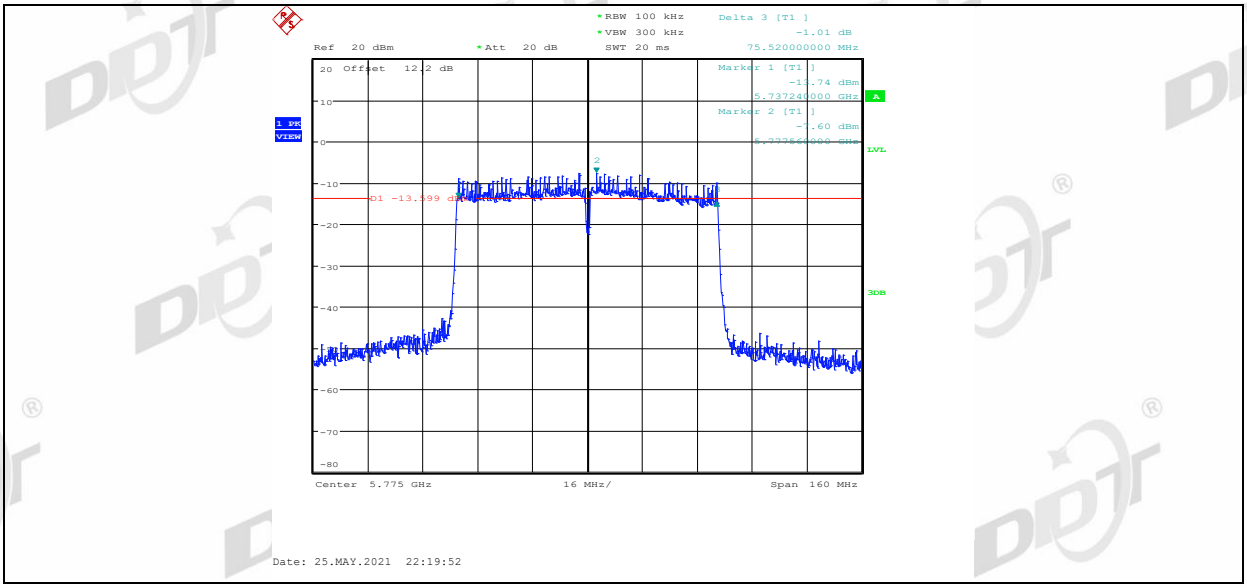
11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
Delta 3 [T1]
-1.01 dB
75.520000000 MHz
Ref 20 dBm
Att 20 dB
Offset 12.2 dB
Marker 1 [T1]
-13.74 dBm
5.737240000 GHz
Marker 2 [T1]
-7.60 dBm
5.775560000 GHz
D1 -13.599 dB
Center 5.775 GHz
16 MHz/
Span 160 MHz
Date: 25.MAY.2021 22:19:52

5. Maximum Output Power

5.1. Block diagram of test setup

Same as section 4.1

5.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	For FCC client devices: 250 mW (24 dBm)	5150-5250
	For RSS: e.i.r.p. power: not exceed 200 mW (23 dBm) or 10 + 10 $\log_{10}$ B	
	For FCC: 250 mW (24 dBm) or 11 + 10 $\log_{10}$ B	5250-5350
	For RSS: e.i.r.p. power: not exceed 1.0 W (30 dBm) or 17 + 10 $\log_{10}$ B	
	For FCC: 250 mW (24 dBm) or 11 + 10 $\log_{10}$ B	For FCC:5470-5725 For IC:5470-5600 5650-5725
	For RSS: e.i.r.p. power: not exceed 1.0 W (30 dBm) or 17 + 10 $\log_{10}$ B	
	1 Watt (30 dBm)	5725-5850
Note: 1. For FCC: B=26 bandwidth; For ISED: B=99% bandwidth. 2. For 802.11n and 802.11ac, the EUT incorporates a MIMO function. The Antenna directional gain is 6.51 dBi. The Output Power limit is the above limits-(6.51-6) (For ISED e.i.r.p. power only for 5725-5850 Band)		

5.3. Test Procedure

Connect each EUT's antenna output to power sensor by RF cable and attenuator

Measure the output power of each antenna port by power sensor.

5.4. Test Result

Test Mode	Ant	Test Channel	Output Power [dBm]	EIRP [dBm]	FCC LIMIT	ISED LIMIT
11A	ANT1	5180	14.12	17.44	24	22.24
11A	ANT2	5180	15.45	19.13	24	22.24
11A	ANT1	5200	14.05	17.37	24	22.24
11A	ANT2	5200	15.48	19.16	24	22.24
11A	ANT1	5240	14.07	17.39	24	22.24
11A	ANT2	5240	15.44	19.12	24	22.24
11A	ANT1	5260	14.31	17.63	24	29.25
11A	ANT2	5260	15.20	18.88	24	29.25
11A	ANT1	5280	14.42	17.74	24	29.25

11A	ANT2	5280	15.10	18.78	24	29.25
11A	ANT1	5320	13.90	17.22	24	29.25
11A	ANT2	5320	15.18	18.86	24	29.25
11A	ANT1	5500	15.00	18.32	24	29.27
11A	ANT2	5500	15.82	19.50	24	29.27
11A	ANT1	5580	15.35	18.67	24	29.27
11A	ANT2	5580	15.56	19.24	24	29.27
11A	ANT1	5700	15.19	18.51	24	29.27
11A	ANT2	5700	15.05	18.73	24	29.27
11A	ANT1	5745	14.81	18.13	30	30
11A	ANT2	5745	15.32	19.00	30	30
11A	ANT1	5785	14.68	18.00	30	30
11A	ANT2	5785	14.92	18.60	30	30
11A	ANT1	5825	14.24	17.56	30	30
11A	ANT2	5825	14.66	18.34	30	30
11N20MIMO	ANT1	5180	9.99	13.31	23.49	22.46
11N20MIMO	ANT2	5180	10.66	14.34	23.49	22.46
11N20MIMO	total	5180	13.35	16.87	23.49	22.46
11N20MIMO	ANT1	5200	9.97	13.29	23.49	22.46
11N20MIMO	ANT2	5200	10.66	14.34	23.49	22.46
11N20MIMO	total	5200	13.34	16.86	23.49	22.46
11N20MIMO	ANT1	5240	10.05	13.37	23.49	22.46
11N20MIMO	ANT2	5240	10.54	14.22	23.49	22.46
11N20MIMO	total	5240	13.31	16.83	23.49	22.46
11N20MIMO	ANT1	5260	12.69	16.01	23.49	29.46
11N20MIMO	ANT2	5260	13.42	17.10	23.49	29.46
11N20MIMO	total	5260	16.08	19.60	23.49	29.46
11N20MIMO	ANT1	5280	12.75	16.07	23.49	29.46
11N20MIMO	ANT2	5280	13.38	17.06	23.49	29.46
11N20MIMO	total	5280	16.09	19.60	23.49	29.46
11N20MIMO	ANT1	5320	12.09	15.41	23.49	29.46
11N20MIMO	ANT2	5320	13.10	16.78	23.49	29.46
11N20MIMO	total	5320	15.63	19.16	23.49	29.46
11N20MIMO	ANT1	5500	13.32	16.64	23.49	29.28
11N20MIMO	ANT2	5500	14.12	17.80	23.49	29.28
11N20MIMO	total	5500	16.75	20.27	23.49	29.28
11N20MIMO	ANT1	5580	15.18	18.50	23.49	29.28
11N20MIMO	ANT2	5580	13.94	17.62	23.49	29.28
11N20MIMO	total	5580	17.61	21.09	23.49	29.28

11N20MIMO	ANT1	5700	13.89	17.21	23.49	29.28
11N20MIMO	ANT2	5700	13.83	17.51	23.49	29.28
11N20MIMO	total	5700	16.87	20.37	23.49	29.28
11N20MIMO	ANT1	5745	13.60	16.92	29.49	29.49
11N20MIMO	ANT2	5745	13.96	17.64	29.49	29.49
11N20MIMO	total	5745	16.79	20.31	29.49	29.49
11N20MIMO	ANT1	5785	13.38	16.70	29.49	29.49
11N20MIMO	ANT2	5785	13.77	17.45	29.49	29.49
11N20MIMO	total	5785	16.59	20.10	29.49	29.49
11N20MIMO	ANT1	5825	12.37	15.69	29.49	29.49
11N20MIMO	ANT2	5825	13.22	16.90	29.49	29.49
11N20MIMO	total	5825	15.83	19.35	29.49	29.49
11N40MIMO	ANT1	5190	10.94	14.26	23.49	23
11N40MIMO	ANT2	5190	11.12	14.80	23.49	23
11N40MIMO	total	5190	14.04	17.55	23.49	23
11N40MIMO	ANT1	5230	10.34	13.66	23.49	23
11N40MIMO	ANT2	5230	11.04	14.72	23.49	23
11N40MIMO	total	5230	13.71	17.23	23.49	23
11N40MIMO	ANT1	5270	10.73	14.05	23.49	30
11N40MIMO	ANT2	5270	10.88	14.56	23.49	30
11N40MIMO	total	5270	13.82	17.32	23.49	30
11N40MIMO	ANT1	5310	10.38	13.70	23.49	30
11N40MIMO	ANT2	5310	10.95	14.63	23.49	30
11N40MIMO	total	5310	13.68	17.20	23.49	30
11N40MIMO	ANT1	5510	11.21	14.53	23.49	30
11N40MIMO	ANT2	5510	12.38	16.06	23.49	30
11N40MIMO	total	5510	14.84	18.37	23.49	30
11N40MIMO	ANT1	5550	11.68	15.00	23.49	30
11N40MIMO	ANT2	5550	12.13	15.81	23.49	30
11N40MIMO	total	5550	14.92	18.43	23.49	30
11N40MIMO	ANT1	5670	11.36	14.68	23.49	30
11N40MIMO	ANT2	5670	11.60	15.28	23.49	30
11N40MIMO	total	5670	14.49	18.00	23.49	30
11N40MIMO	ANT1	5755	11.60	14.92	29.49	29.49
11N40MIMO	ANT2	5755	11.70	15.38	29.49	29.49
11N40MIMO	total	5755	14.66	18.17	29.49	29.49
11N40MIMO	ANT1	5795	11.27	14.59	29.49	29.49
11N40MIMO	ANT2	5795	11.71	15.39	29.49	29.49
11N40MIMO	total	5795	14.51	18.02	29.49	29.49

11AC20MIMO	ANT1	5180	9.87	13.19	23.49	22.44
11AC20MIMO	ANT2	5180	10.69	14.37	23.49	22.44
11AC20MIMO	total	5180	13.31	16.83	23.49	22.44
11AC20MIMO	ANT1	5200	10.08	13.40	23.49	22.44
11AC20MIMO	ANT2	5200	10.75	14.43	23.49	22.44
11AC20MIMO	total	5200	13.44	16.96	23.49	22.44
11AC20MIMO	ANT1	5240	9.89	13.21	23.49	22.44
11AC20MIMO	ANT2	5240	10.83	14.51	23.49	22.44
11AC20MIMO	total	5240	13.40	16.92	23.49	22.44
11AC20MIMO	ANT1	5260	12.73	16.05	23.49	29.44
11AC20MIMO	ANT2	5260	13.42	17.10	23.49	29.44
11AC20MIMO	total	5260	16.10	19.62	23.49	29.44
11AC20MIMO	ANT1	5280	12.86	16.18	23.49	29.44
11AC20MIMO	ANT2	5280	13.38	17.06	23.49	29.44
11AC20MIMO	total	5280	16.14	19.65	23.49	29.44
11AC20MIMO	ANT1	5320	12.36	15.68	23.49	29.44
11AC20MIMO	ANT2	5320	13.33	17.01	23.49	29.44
11AC20MIMO	total	5320	15.88	19.41	23.49	29.44
11AC20MIMO	ANT1	5500	13.51	16.83	23.49	29.47
11AC20MIMO	ANT2	5500	14.44	18.12	23.49	29.47
11AC20MIMO	total	5500	17.01	20.53	23.49	29.47
11AC20MIMO	ANT1	5580	13.96	17.28	23.49	29.47
11AC20MIMO	ANT2	5580	14.16	17.84	23.49	29.47
11AC20MIMO	total	5580	17.07	20.58	23.49	29.47
11AC20MIMO	ANT1	5700	13.95	17.27	23.49	29.47
11AC20MIMO	ANT2	5700	14.01	17.69	23.49	29.47
11AC20MIMO	total	5700	16.99	20.50	23.49	29.47
11AC20MIMO	ANT1	5745	13.74	17.06	29.49	29.49
11AC20MIMO	ANT2	5745	14.00	17.68	29.49	29.49
11AC20MIMO	total	5745	16.88	20.39	29.49	29.49
11AC20MIMO	ANT1	5785	13.46	16.78	29.49	29.49
11AC20MIMO	ANT2	5785	13.98	17.66	29.49	29.49
11AC20MIMO	total	5785	16.74	20.25	29.49	29.49
11AC20MIMO	ANT1	5825	12.89	16.21	29.49	29.49
11AC20MIMO	ANT2	5825	13.44	17.12	29.49	29.49
11AC20MIMO	total	5825	16.18	19.70	29.49	29.49
11AC40MIMO	ANT1	5190	11.44	14.76	23.49	23
11AC40MIMO	ANT2	5190	12.01	15.69	23.49	23
11AC40MIMO	total	5190	14.74	18.26	23.49	23

11AC40MIMO	ANT1	5230	11.12	14.44	23.49	23
11AC40MIMO	ANT2	5230	12.06	15.74	23.49	23
11AC40MIMO	total	5230	14.63	18.15	23.49	23
11AC40MIMO	ANT1	5270	11.23	14.55	23.49	30
11AC40MIMO	ANT2	5270	11.56	15.24	23.49	30
11AC40MIMO	total	5270	14.41	17.92	23.49	30
11AC40MIMO	ANT1	5310	10.67	13.99	23.49	30
11AC40MIMO	ANT2	5310	11.53	15.21	23.49	30
11AC40MIMO	total	5310	14.13	17.65	23.49	30
11AC40MIMO	ANT1	5510	11.95	15.27	23.49	30
11AC40MIMO	ANT2	5510	12.69	16.37	23.49	30
11AC40MIMO	total	5510	15.35	18.87	23.49	30
11AC40MIMO	ANT1	5550	12.40	15.72	23.49	30
11AC40MIMO	ANT2	5550	12.57	16.25	23.49	30
11AC40MIMO	total	5550	15.50	19.00	23.49	30
11AC40MIMO	ANT1	5670	11.75	15.07	23.49	30
11AC40MIMO	ANT2	5670	12.43	16.11	23.49	30
11AC40MIMO	total	5670	15.11	18.63	23.49	30
11AC40MIMO	ANT1	5755	12.10	15.42	29.49	29.49
11AC40MIMO	ANT2	5755	12.30	15.98	29.49	29.49
11AC40MIMO	total	5755	15.21	18.72	29.49	29.49
11AC40MIMO	ANT1	5795	11.77	15.09	29.49	29.49
11AC40MIMO	ANT2	5795	12.30	15.98	29.49	29.49
11AC40MIMO	total	5795	15.05	18.57	29.49	29.49
11AC80MIMO	ANT1	5210	8.76	12.08	23.49	23
11AC80MIMO	ANT2	5210	9.00	12.68	23.49	23
11AC80MIMO	total	5210	11.89	15.40	23.49	23
11AC80MIMO	ANT1	5290	8.62	11.94	23.49	30
11AC80MIMO	ANT2	5290	8.84	12.52	23.49	30
11AC80MIMO	total	5290	11.74	15.25	23.49	30
11AC80MIMO	ANT1	5530	9.68	13	23.49	30
11AC80MIMO	ANT2	5530	9.67	13.35	23.49	30
11AC80MIMO	total	5530	12.69	16.19	23.49	30
11AC80MIMO	ANT1	5610	9.33	12.65	23.49	30
11AC80MIMO	ANT2	5610	9.32	13	23.49	30
11AC80MIMO	total	5610	12.34	15.84	23.49	30
11AC80MIMO	ANT1	5775	9.38	12.7	29.49	29.49
11AC80MIMO	ANT2	5775	9.35	13.03	29.49	29.49
11AC80MIMO	total	5775	12.38	15.88	29.49	29.49

6. Power Spectral Density

6.1. Block diagram of test setup

Same with 4.1

6.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	For FCC: Other than Mobile and portable:17 dBm/MHz Mobile and portable client devices:11 dBm/MHz	5150-5250
	For RSS eirp:10 dBm/MHz	
	11 dBm/MHz	5250-5350
	11 dBm/MHz	For FCC:5470-5725 For IC:5470-5600 5650-5725
	30 dBm/500 kHz	5725-5850
Note: For 802.11n and 802.11ac, the EUT incorporates a MIMO function. The Antenna directional gain is 6.51 dBi. The Power Spectral Density limit is the above limits-(6.51-6)		

6.3. Test Procedure

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

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

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

5725 MHz-5850 MHz

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

Sweep time	Auto

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

6.4. Test Result

(5150-5250)

Test Mode	Ant	Test Channel	PSD [dBm/MHz]	PSD eirp [dBm/MHz]	FCC Limit [dBm/MHz]	ISEDLimit [dBm/MHz]
11A	ANT1	5180	4.85	8.17	11	10
11A	ANT2	5180	4.97	8.65	11	10
11A	ANT1	5200	3.36	6.68	11	10
11A	ANT2	5200	4.66	8.34	11	10
11A	ANT1	5240	3.50	6.82	11	10
11A	ANT2	5240	4.75	8.43	11	10
11N20MIMO	ANT1	5180	-0.75	2.57	11	9.49
11N20MIMO	ANT2	5180	0.38	4.06	11	9.49
11N20MIMO	total	5180	2.86	6.39	11	9.49
11N20MIMO	ANT1	5200	-0.43	2.89	11	9.49
11N20MIMO	ANT2	5200	0.18	3.86	11	9.49
11N20MIMO	total	5200	2.90	6.41	11	9.49
11N20MIMO	ANT1	5240	-0.28	3.04	11	9.49
11N20MIMO	ANT2	5240	-0.02	3.66	11	9.49
11N20MIMO	total	5240	2.86	6.37	11	9.49
11N40MIMO	ANT1	5190	-2.07	1.25	11	9.49
11N40MIMO	ANT2	5190	-1.13	2.55	11	9.49
11N40MIMO	total	5190	1.44	4.96	11	9.49
11N40MIMO	ANT1	5230	-2.42	0.9	11	9.49
11N40MIMO	ANT2	5230	-1.57	2.11	11	9.49
11N40MIMO	total	5230	1.04	4.56	11	9.49
11AC20MIMO	ANT1	5180	-0.17	3.15	11	9.49
11AC20MIMO	ANT2	5180	0.65	4.33	11	9.49
11AC20MIMO	total	5180	3.27	6.79	11	9.49
11AC20MIMO	ANT1	5200	-0.08	3.24	11	9.49
11AC20MIMO	ANT2	5200	0.51	4.19	11	9.49

11AC20MIMO	total	5200	3.24	6.75	11	9.49
11AC20MIMO	ANT1	5240	-0.32	3.00	11	9.49
11AC20MIMO	ANT2	5240	0.54	4.22	11	9.49
11AC20MIMO	total	5240	3.14	6.66	11	9.49
11AC40MIMO	ANT1	5190	-1.41	1.91	11	9.49
11AC40MIMO	ANT2	5190	-1.20	2.48	11	9.49
11AC40MIMO	total	5190	1.71	5.21	11	9.49
11AC40MIMO	ANT1	5230	-2.55	0.77	11	9.49
11AC40MIMO	ANT2	5230	-1.59	2.09	11	9.49
11AC40MIMO	total	5230	0.97	4.49	11	9.49
11AC80MIMO	ANT1	5210	-6.96	-3.64	11	9.49
11AC80MIMO	ANT2	5210	-6.73	-3.05	11	9.49
11AC80MIMO	total	5210	-3.83	-0.32	11	9.49

(5250-5350, 5470-5725)

Test Mode	Ant	Test Channel	PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	ANT1	5260	4.08	11	PASS
11A	ANT2	5260	4.81	11	PASS
11A	ANT1	5280	4.21	11	PASS
11A	ANT2	5280	4.66	11	PASS
11A	ANT1	5320	4.12	11	PASS
11A	ANT2	5320	5.02	11	PASS
11A	ANT1	5500	4.44	11	PASS
11A	ANT2	5500	5.05	11	PASS
11A	ANT1	5580	5.04	11	PASS
11A	ANT2	5580	4.94	11	PASS
11A	ANT1	5700	5.11	11	PASS
11A	ANT2	5700	4.77	11	PASS
11N20MIMO	ANT1	5260	2.55	10.49	PASS
11N20MIMO	ANT2	5260	3.02	10.49	PASS
11N20MIMO	total	5260	5.8	10.49	PASS
11N20MIMO	ANT1	5280	2.75	10.49	PASS
11N20MIMO	ANT2	5280	3.16	10.49	PASS
11N20MIMO	total	5280	5.97	10.49	PASS
11N20MIMO	ANT1	5320	2.33	10.49	PASS
11N20MIMO	ANT2	5320	3.41	10.49	PASS
11N20MIMO	total	5320	5.91	10.49	PASS
11N20MIMO	ANT1	5500	2.92	10.49	PASS

11N20MIMO	ANT2	5500	3.88	10.49	PASS
11N20MIMO	total	5500	6.44	10.49	PASS
11N20MIMO	ANT1	5580	5.02	10.49	PASS
11N20MIMO	ANT2	5580	4.17	10.49	PASS
11N20MIMO	total	5580	7.63	10.49	PASS
11N20MIMO	ANT1	5700	3.98	10.49	PASS
11N20MIMO	ANT2	5700	3.71	10.49	PASS
11N20MIMO	total	5700	6.86	10.49	PASS
11N40MIMO	ANT1	5270	-1.86	10.49	PASS
11N40MIMO	ANT2	5270	0.46	10.49	PASS
11N40MIMO	total	5270	2.46	10.49	PASS
11N40MIMO	ANT1	5310	-2.26	10.49	PASS
11N40MIMO	ANT2	5310	-1.08	10.49	PASS
11N40MIMO	total	5310	1.38	10.49	PASS
11N40MIMO	ANT1	5510	-1.63	10.49	PASS
11N40MIMO	ANT2	5510	-0.48	10.49	PASS
11N40MIMO	total	5510	1.99	10.49	PASS
11N40MIMO	ANT1	5550	-1.28	10.49	PASS
11N40MIMO	ANT2	5550	-0.53	10.49	PASS
11N40MIMO	total	5550	2.12	10.49	PASS
11N40MIMO	ANT1	5670	-1.59	10.49	PASS
11N40MIMO	ANT2	5670	-0.93	10.49	PASS
11N40MIMO	total	5670	1.76	10.49	PASS
11AC20MIMO	ANT1	5260	2.33	10.49	PASS
11AC20MIMO	ANT2	5260	2.99	10.49	PASS
11AC20MIMO	total	5260	5.68	10.49	PASS
11AC20MIMO	ANT1	5280	2.38	10.49	PASS
11AC20MIMO	ANT2	5280	3.2	10.49	PASS
11AC20MIMO	total	5280	5.82	10.49	PASS
11AC20MIMO	ANT1	5320	2.37	10.49	PASS
11AC20MIMO	ANT2	5320	3.46	10.49	PASS
11AC20MIMO	total	5320	5.96	10.49	PASS
11AC20MIMO	ANT1	5500	2.89	10.49	PASS
11AC20MIMO	ANT2	5500	3.58	10.49	PASS
11AC20MIMO	total	5500	6.26	10.49	PASS
11AC20MIMO	ANT1	5580	3.53	10.49	PASS
11AC20MIMO	ANT2	5580	3.11	10.49	PASS
11AC20MIMO	total	5580	6.34	10.49	PASS

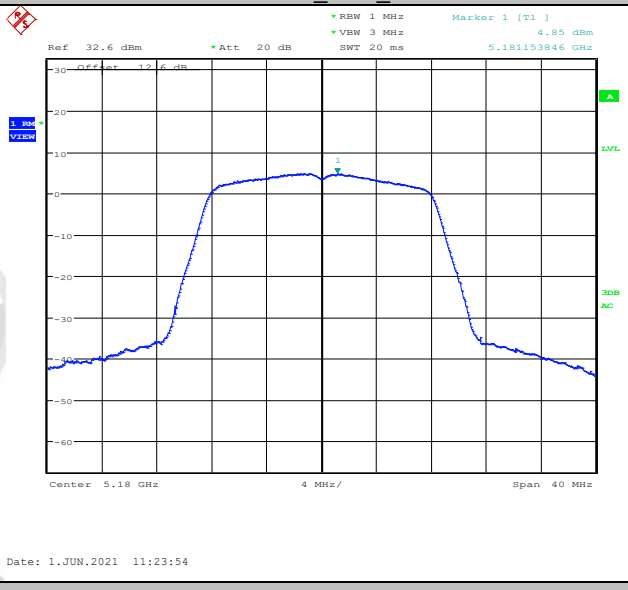
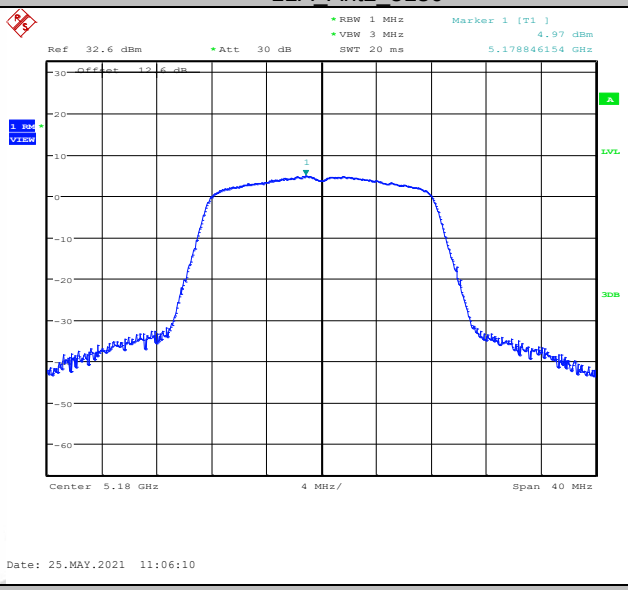
11AC20MIMO	ANT1	5700	3.30	10.49	PASS
11AC20MIMO	ANT2	5700	3.28	10.49	PASS
11AC20MIMO	total	5700	6.30	10.49	PASS
11AC40MIMO	ANT1	5270	-2.25	10.49	PASS
11AC40MIMO	ANT2	5270	-1.67	10.49	PASS
11AC40MIMO	total	5270	1.06	10.49	PASS
11AC40MIMO	ANT1	5310	-2.09	10.49	PASS
11AC40MIMO	ANT2	5310	-1.23	10.49	PASS
11AC40MIMO	total	5310	1.37	10.49	PASS
11AC40MIMO	ANT1	5510	-1.82	10.49	PASS
11AC40MIMO	ANT2	5510	-1.04	10.49	PASS
11AC40MIMO	total	5510	1.60	10.49	PASS
11AC40MIMO	ANT1	5550	-0.84	10.49	PASS
11AC40MIMO	ANT2	5550	-1.15	10.49	PASS
11AC40MIMO	total	5550	2.02	10.49	PASS
11AC40MIMO	ANT1	5670	-1.76	10.49	PASS
11AC40MIMO	ANT2	5670	-0.97	10.49	PASS
11AC40MIMO	total	5670	1.66	10.49	PASS
11AC80MIMO	ANT1	5290	-7.2	10.49	PASS
11AC80MIMO	ANT2	5290	-6.69	10.49	PASS
11AC80MIMO	total	5290	-3.93	10.49	PASS
11AC80MIMO	ANT1	5530	-6.27	10.49	PASS
11AC80MIMO	ANT2	5530	-5.95	10.49	PASS
11AC80MIMO	total	5530	-3.1	10.49	PASS
11AC80MIMO	ANT1	5610	-6.68	10.49	PASS
11AC80MIMO	ANT2	5610	-6.35	10.49	PASS
11AC80MIMO	total	5610	-3.5	10.49	PASS

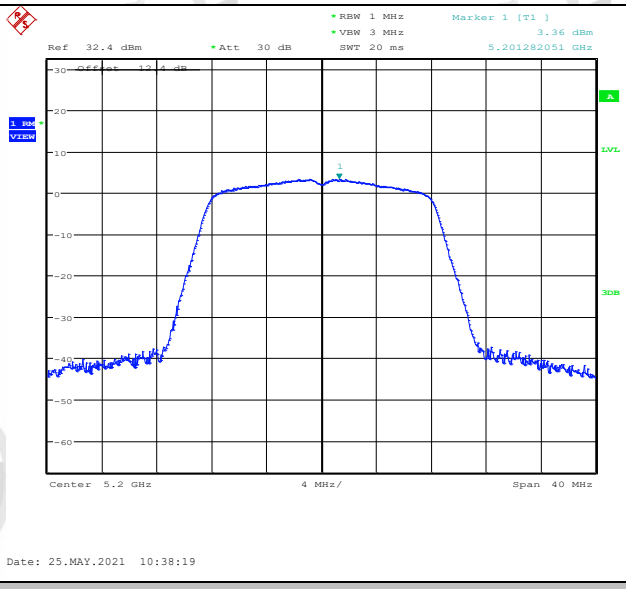
(5725-5850)

Test Mode	Test Channel	Ant	PSD [dBm/500kHz]	Limit [dBm/500kHz]	Verdict
11A	ANT1	5745	2.01	30	PASS
11A	ANT2	5745	2.1	30	PASS
11A	ANT1	5785	1.99	30	PASS
11A	ANT2	5785	1.91	30	PASS
11A	ANT1	5825	2.06	30	PASS
11A	ANT2	5825	1.68	30	PASS
11N20MIMO	ANT1	5745	1.84	29.49	PASS
11N20MIMO	ANT2	5745	2.00	29.49	PASS

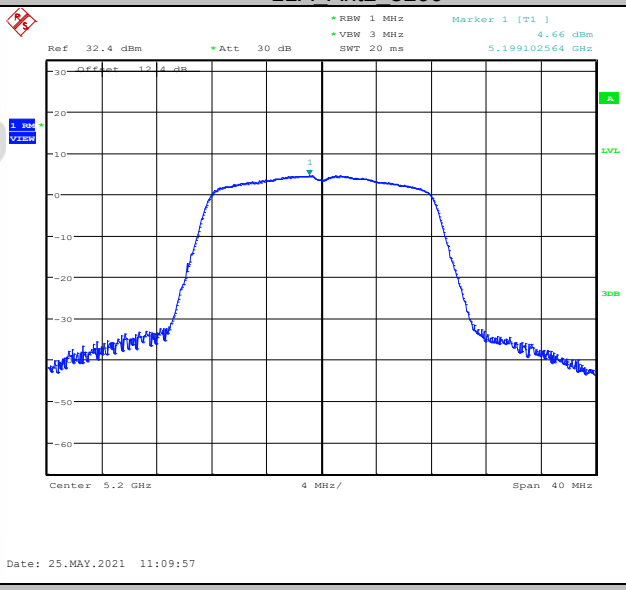
11N20MIMO	total	5745	4.93	29.49	PASS
11N20MIMO	ANT1	5785	1.57	29.49	PASS
11N20MIMO	ANT2	5785	1.29	29.49	PASS
11N20MIMO	total	5785	4.44	29.49	PASS
11N20MIMO	ANT1	5825	0.60	29.49	PASS
11N20MIMO	ANT2	5825	0.83	29.49	PASS
11N20MIMO	total	5825	3.73	29.49	PASS
11N40MIMO	ANT1	5755	-2.98	29.49	PASS
11N40MIMO	ANT2	5755	-2.40	29.49	PASS
11N40MIMO	total	5755	0.33	29.49	PASS
11N40MIMO	ANT1	5795	-3.05	29.49	PASS
11N40MIMO	ANT2	5795	-2.34	29.49	PASS
11N40MIMO	total	5795	0.33	29.49	PASS
11AC20MIMO	ANT1	5745	1.77	29.49	PASS
11AC20MIMO	ANT2	5745	1.29	29.49	PASS
11AC20MIMO	total	5745	4.55	29.49	PASS
11AC20MIMO	ANT1	5785	1.90	29.49	PASS
11AC20MIMO	ANT2	5785	2.13	29.49	PASS
11AC20MIMO	total	5785	5.03	29.49	PASS
11AC20MIMO	ANT1	5825	1.03	29.49	PASS
11AC20MIMO	ANT2	5825	1.14	29.49	PASS
11AC20MIMO	total	5825	4.10	29.49	PASS
11AC40MIMO	ANT1	5755	-2.98	29.49	PASS
11AC40MIMO	ANT2	5755	-2.96	29.49	PASS
11AC40MIMO	total	5755	0.04	29.49	PASS
11AC40MIMO	ANT1	5795	-3.76	29.49	PASS
11AC40MIMO	ANT2	5795	-3.02	29.49	PASS
11AC40MIMO	total	5795	-0.36	29.49	PASS
11AC80MIMO	ANT1	5775	-7.96	29.49	PASS
11AC80MIMO	ANT2	5775	-8.11	29.49	PASS
11AC80MIMO	total	5775	-5.02	29.49	PASS

6.5. Original test data

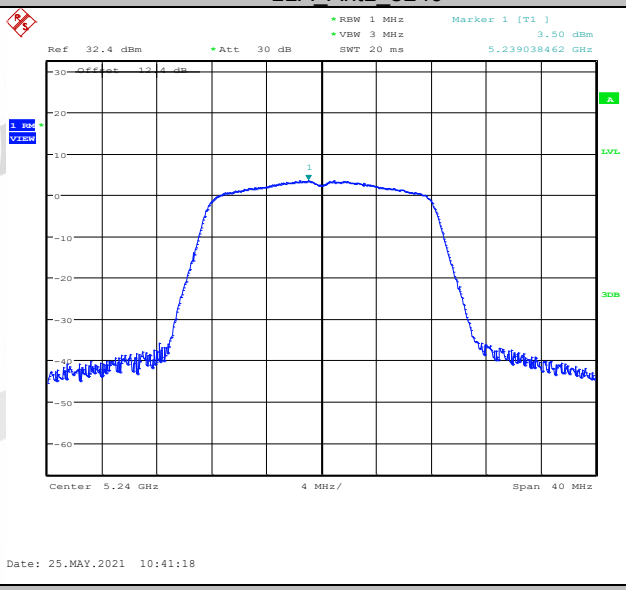
11A_Ant1_5180

11A_Ant2_5180

11A_Ant1_5200



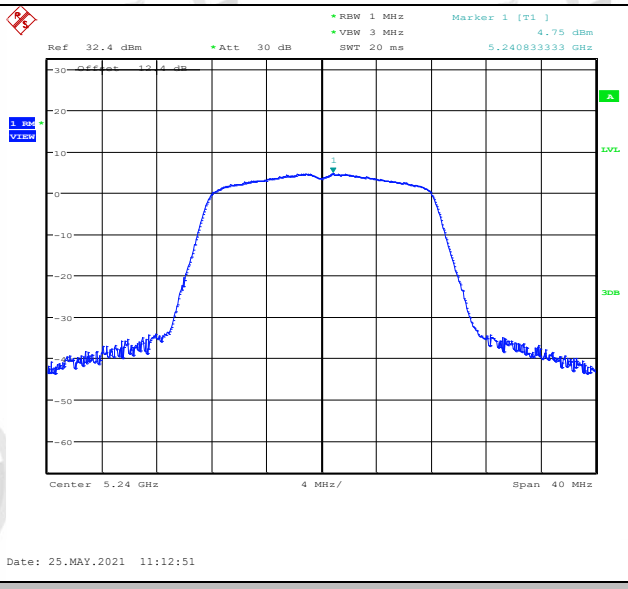
11A_Ant2_5200



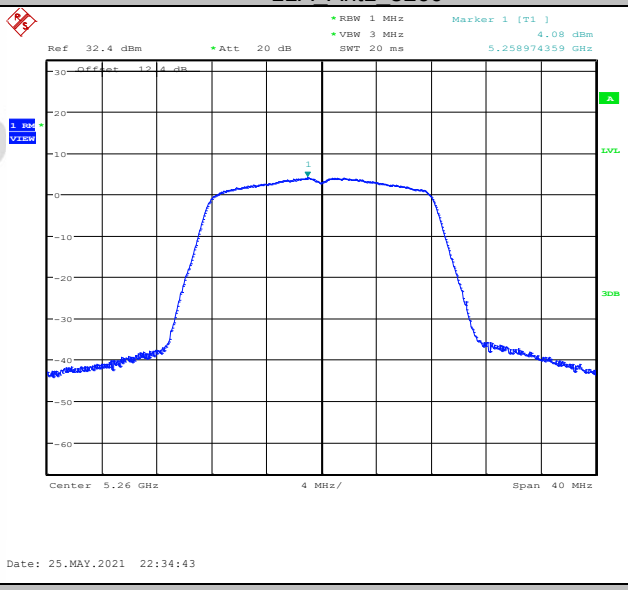
11A_Ant1_5240



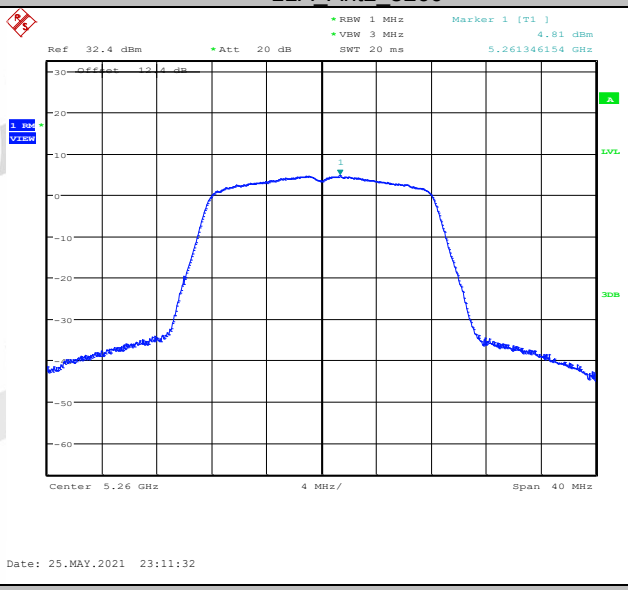
11A_Ant2_5240



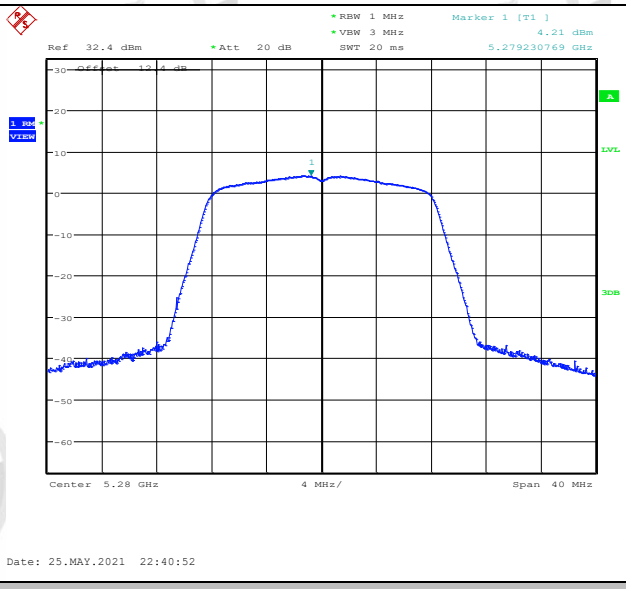
11A_Ant1_5260



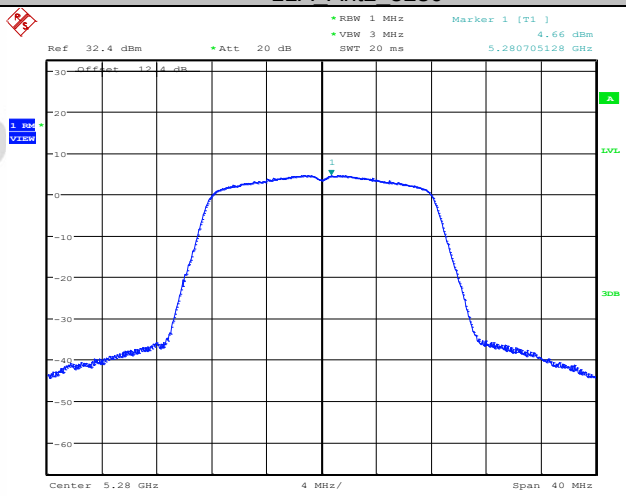
11A_Ant2_5260



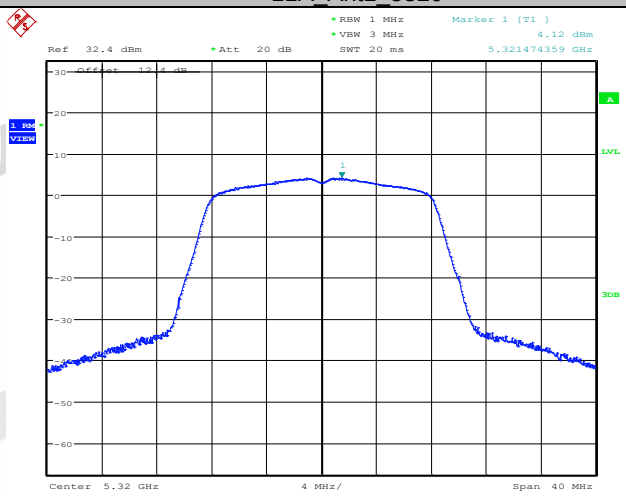
11A_Ant1_5280



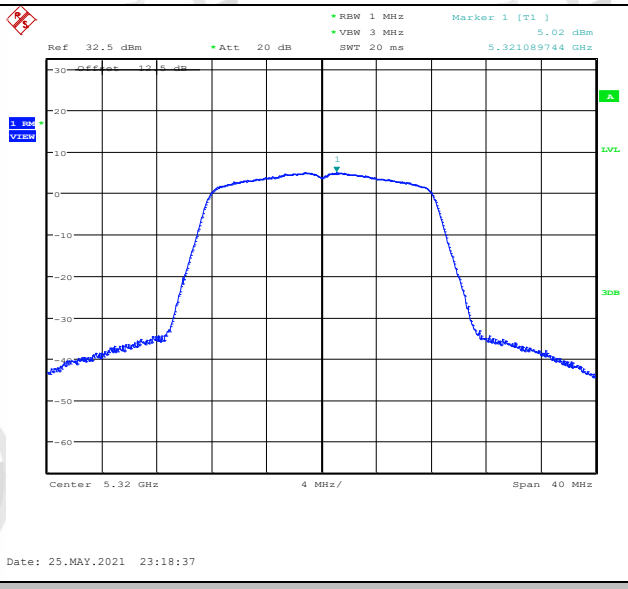
11A_Ant2_5280



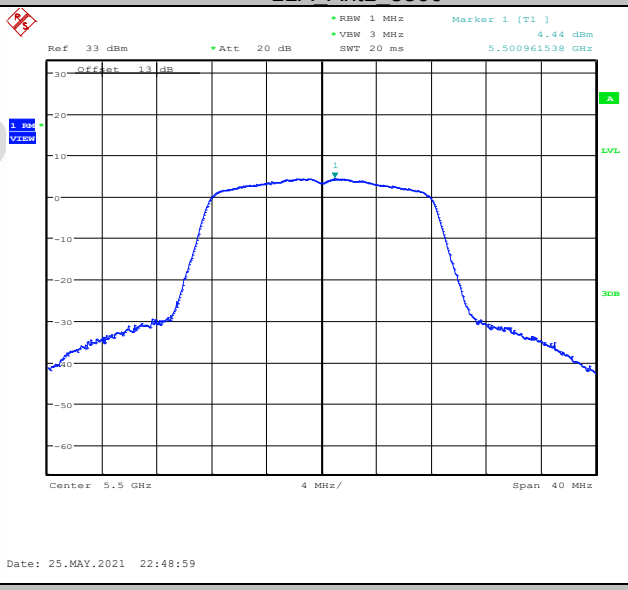
11A_Ant1_5320



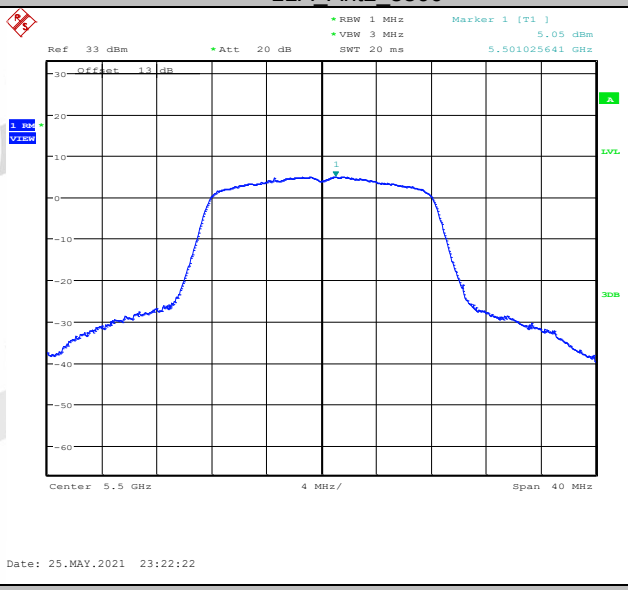
11A_Ant2_5320



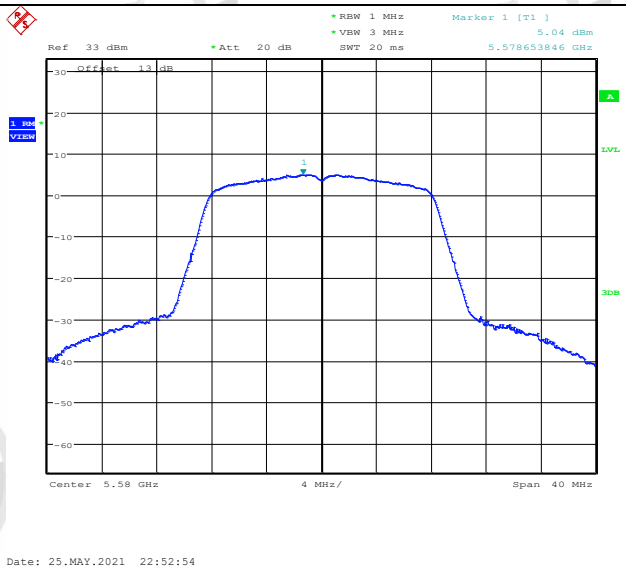
11A_Ant1_5500



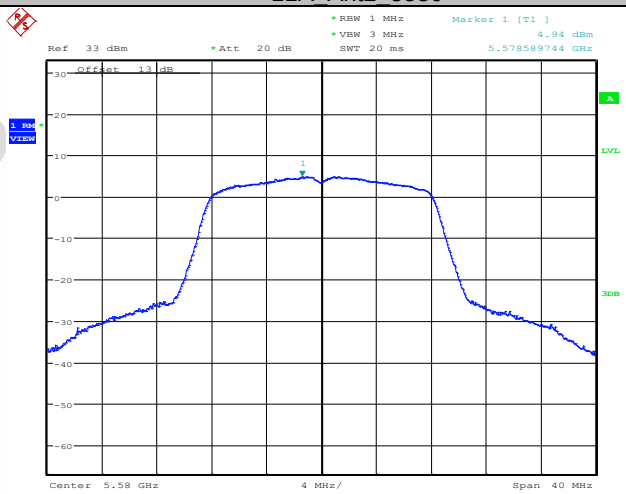
11A_Ant2_5500



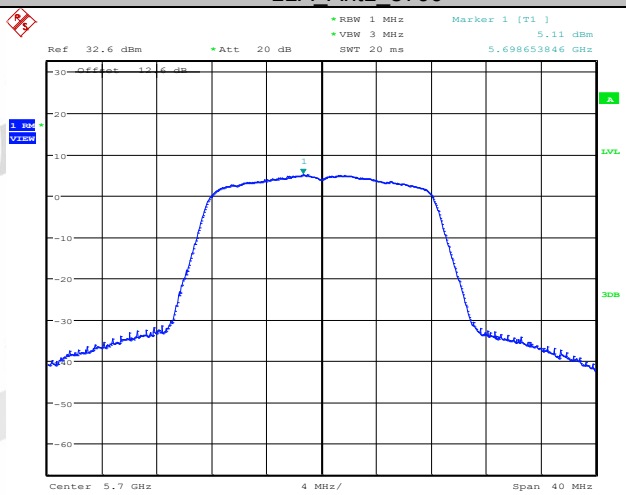
11A_Ant1_5580



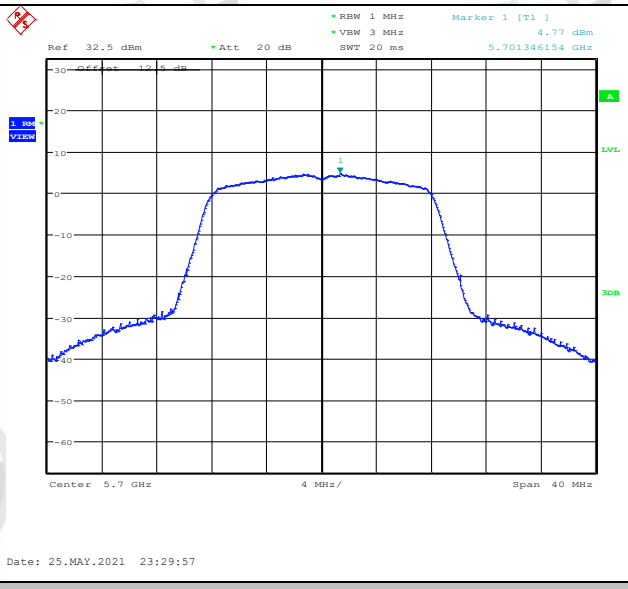
11A_Ant2_5580



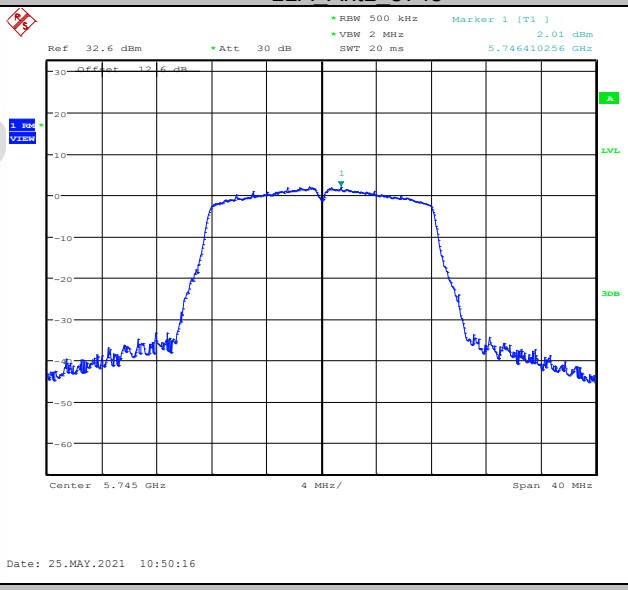
11A_Ant1_5700



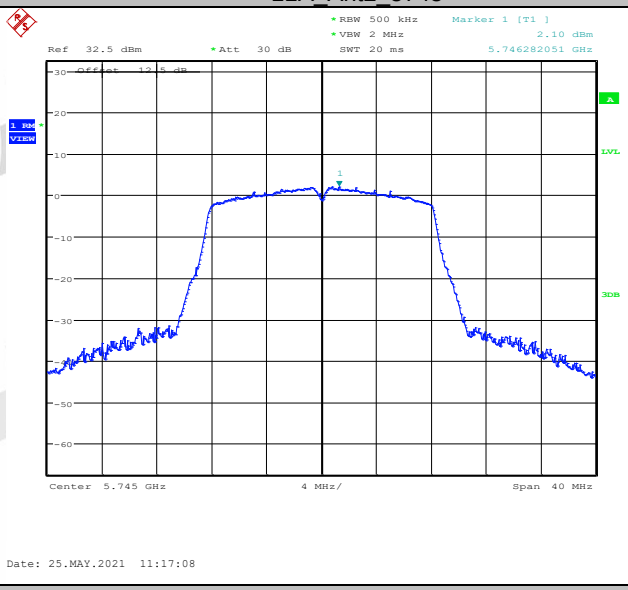
11A_Ant2_5700



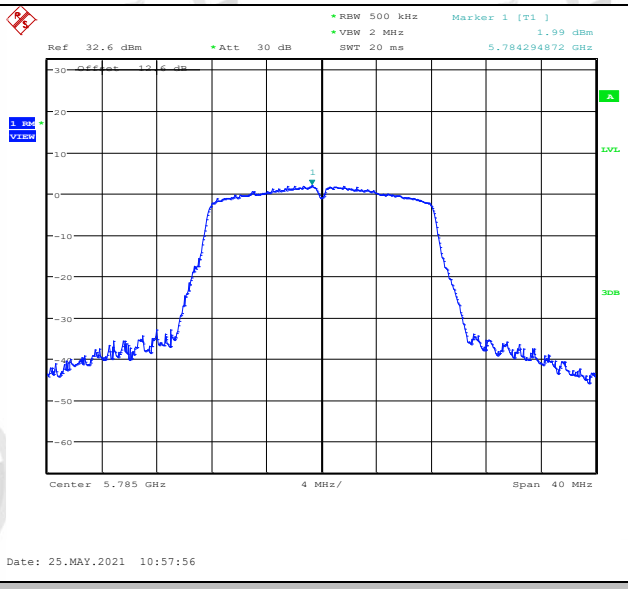
11A_Ant1_5745



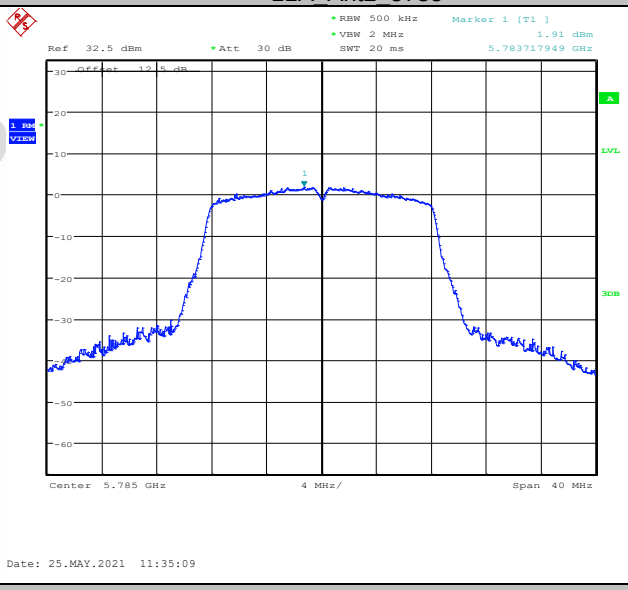
11A_Ant2_5745



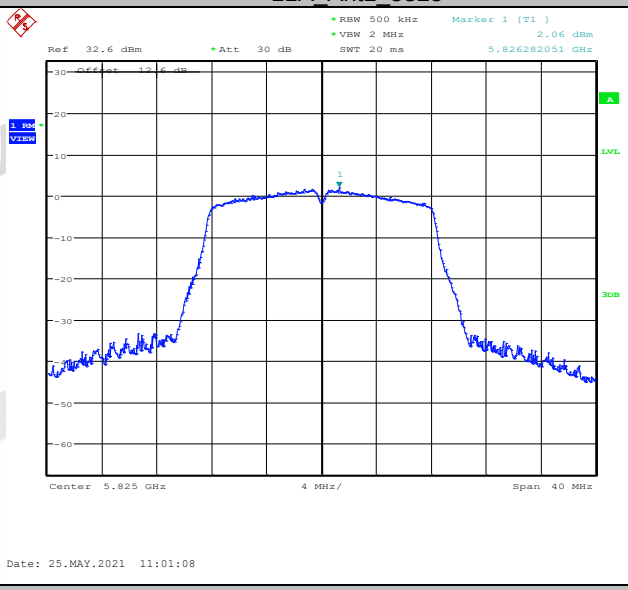
11A_Ant1_5785



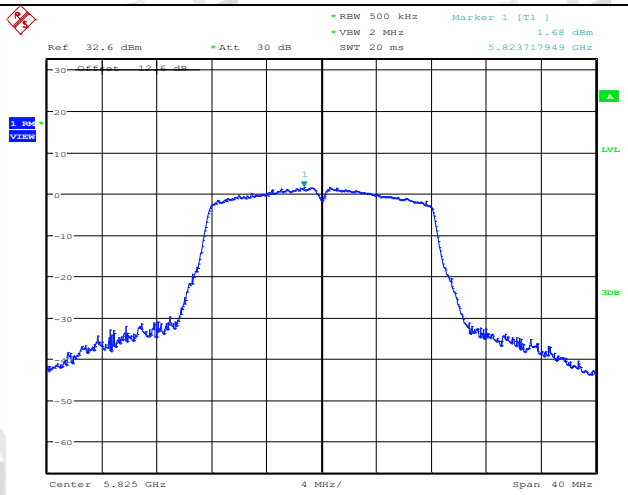
11A_Ant2_5785



11A_Ant1_5825



11A_Ant2_5825



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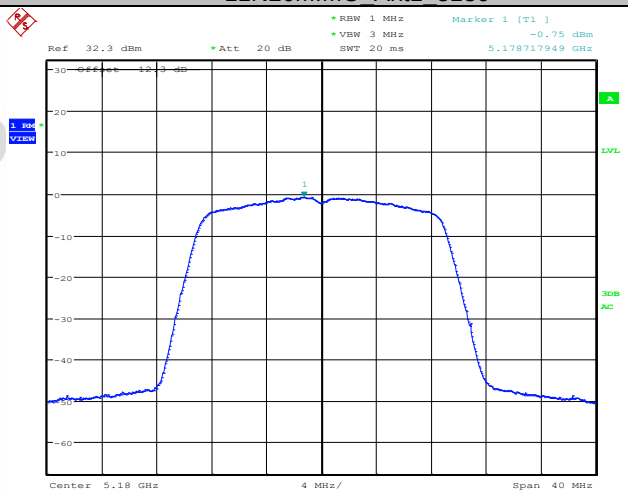

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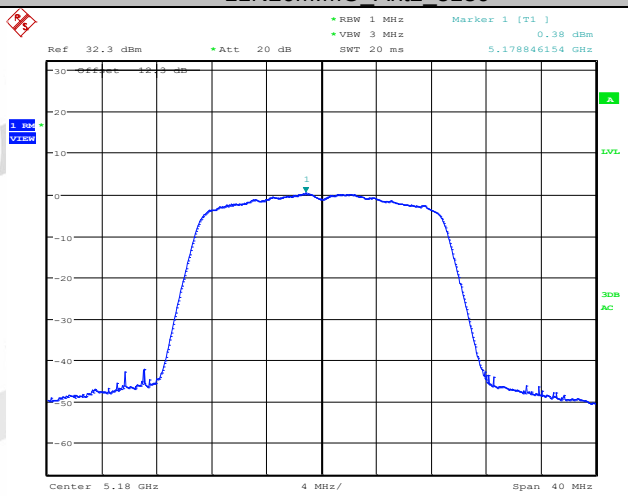

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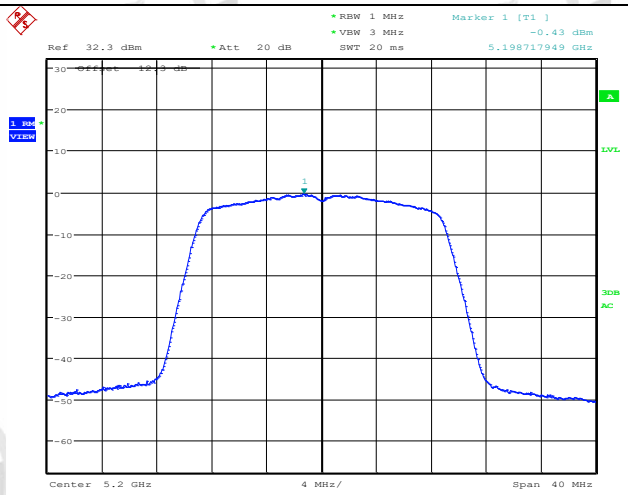

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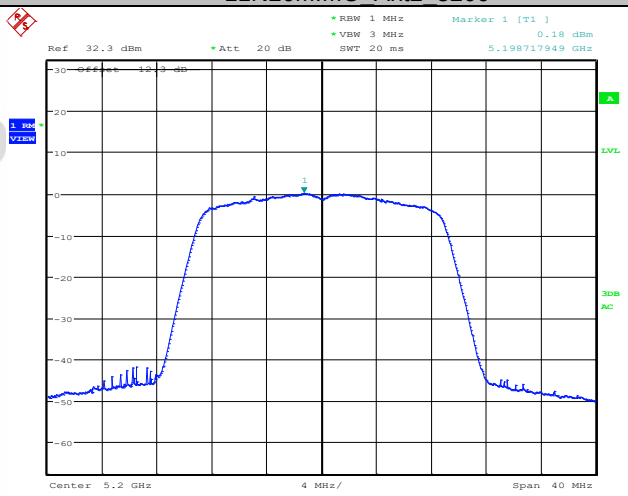

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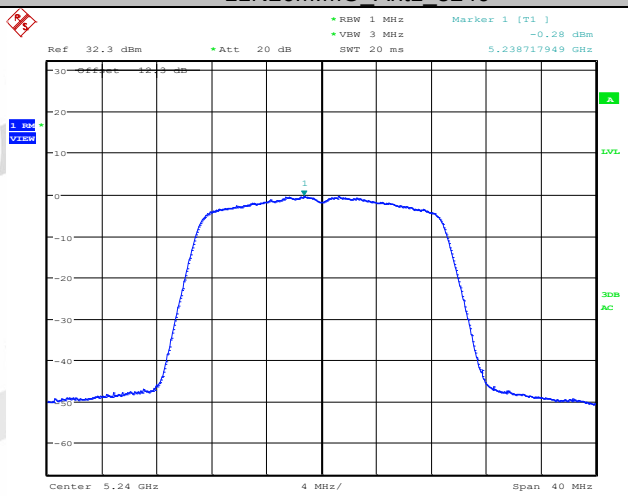

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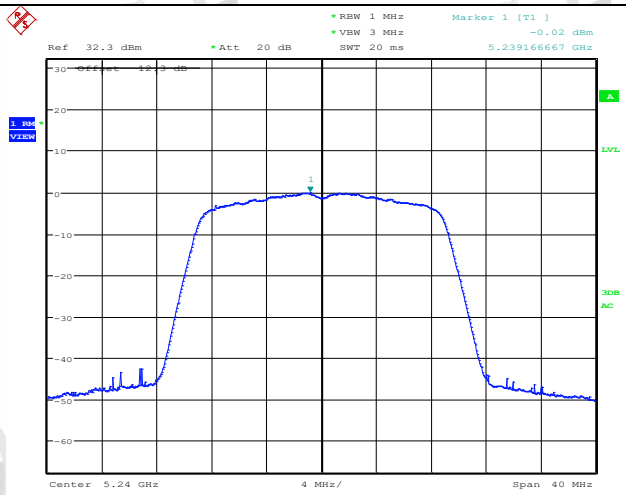

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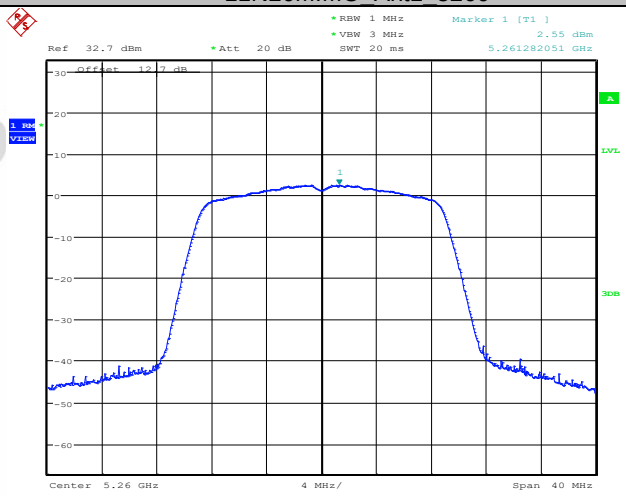

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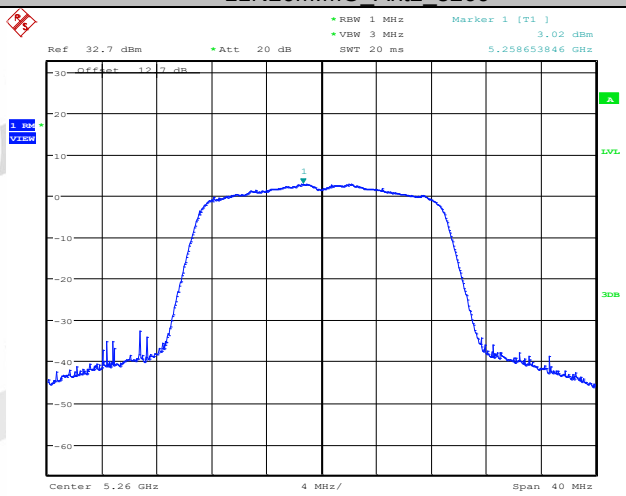

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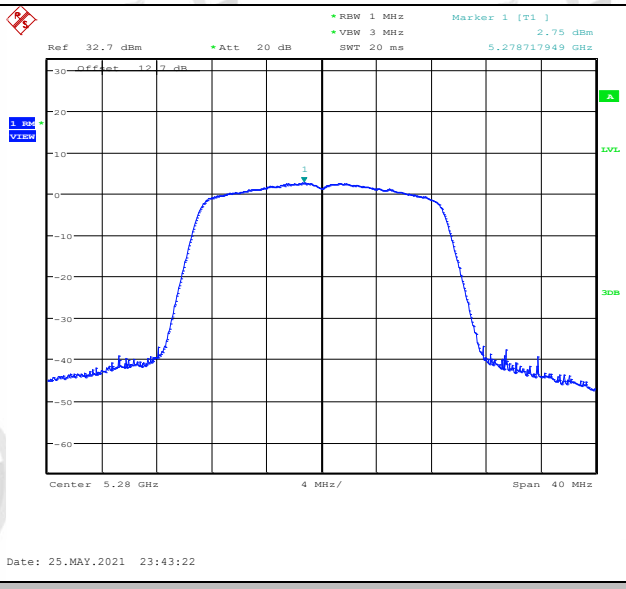

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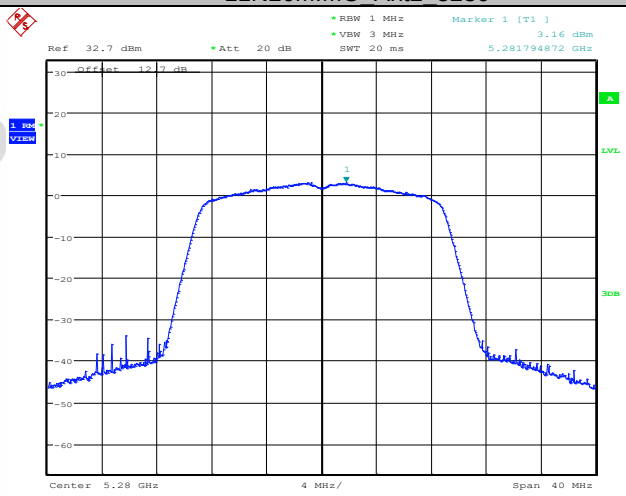

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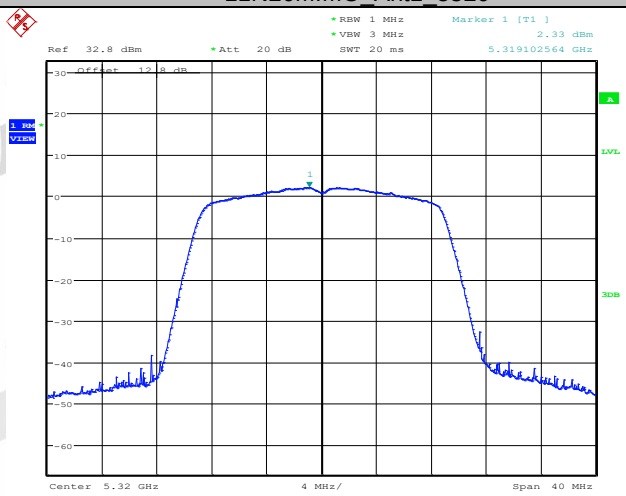

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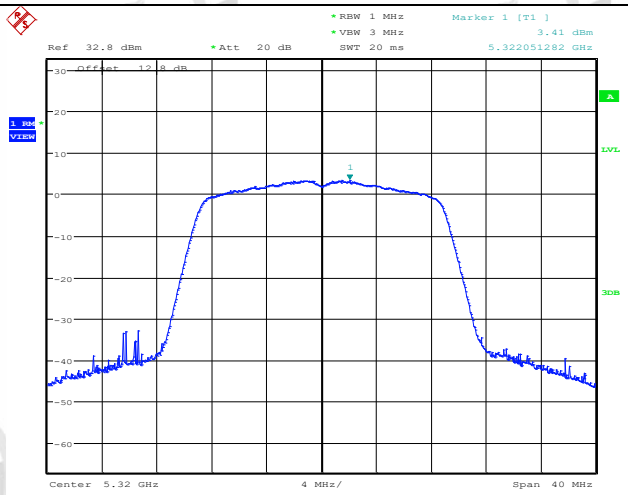

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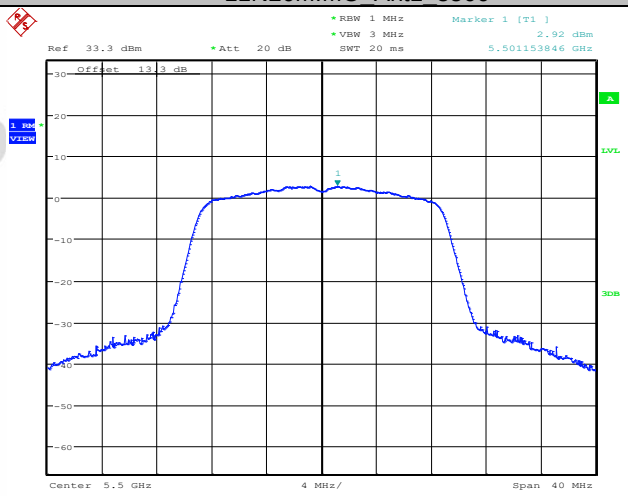

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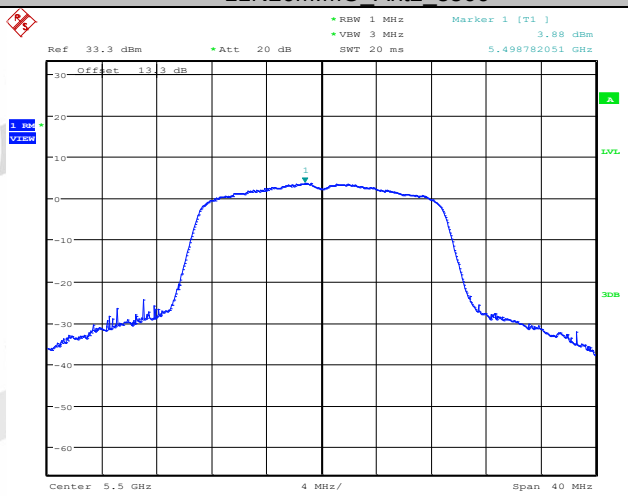

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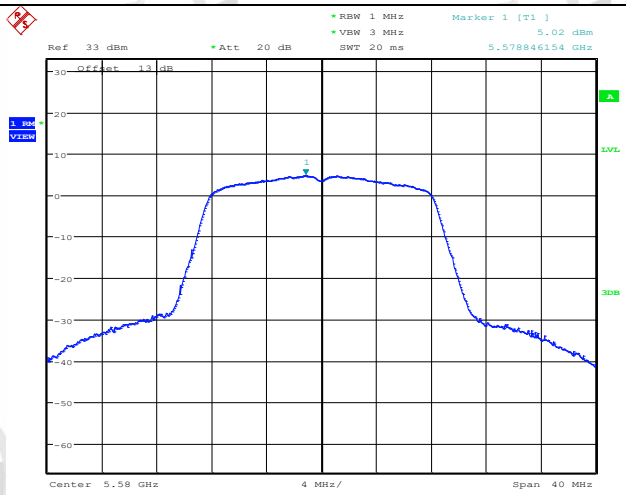

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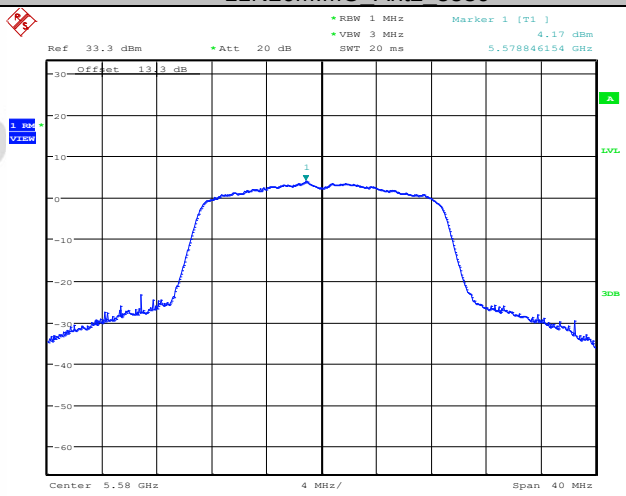

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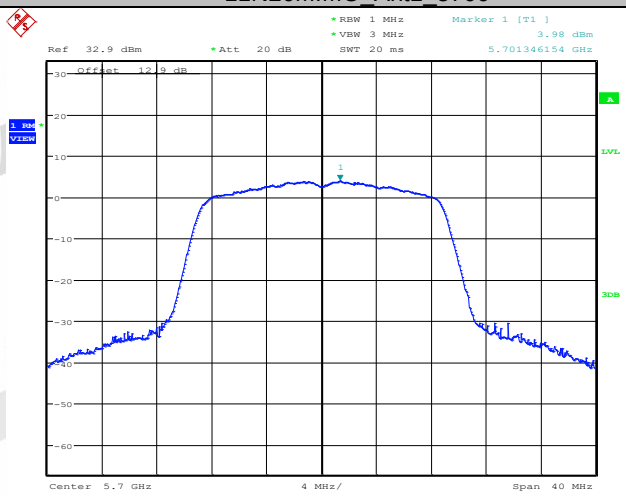

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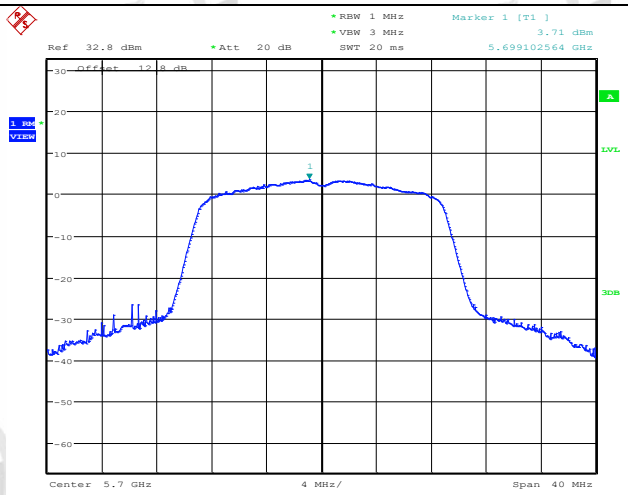

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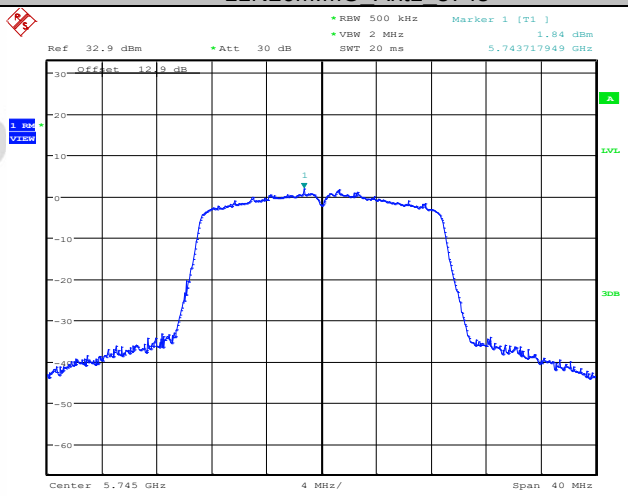

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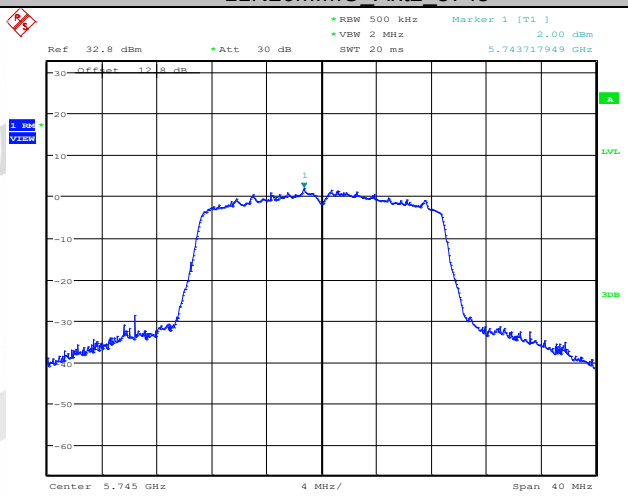

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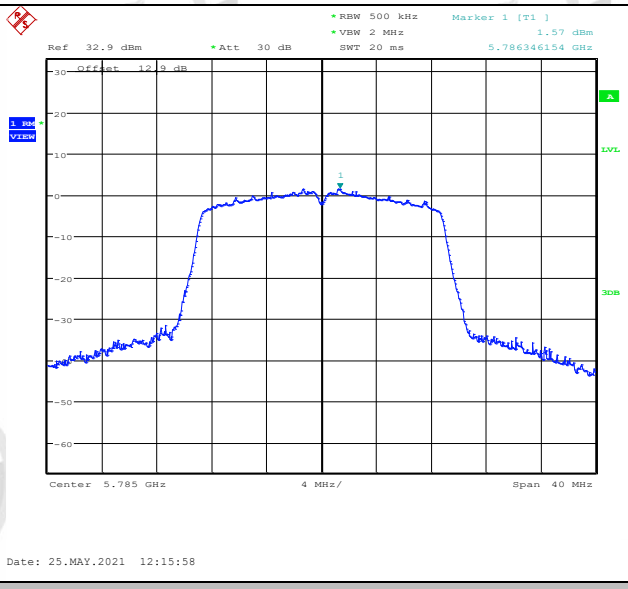

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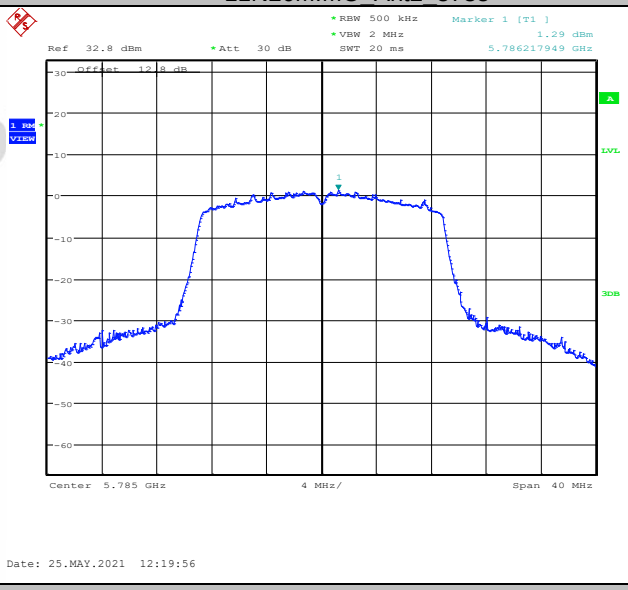

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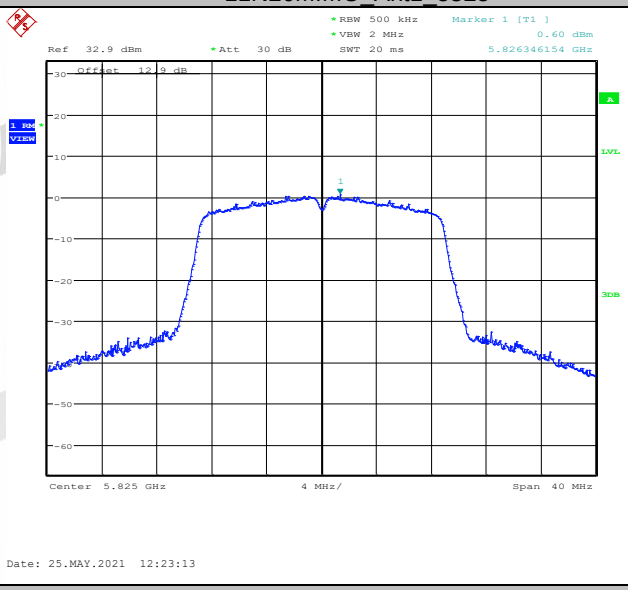

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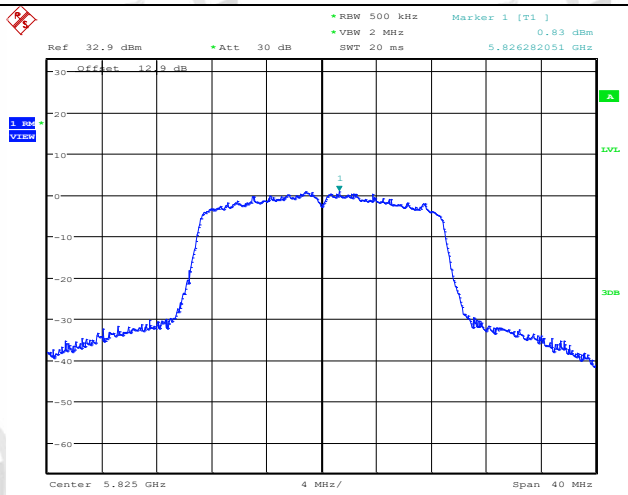

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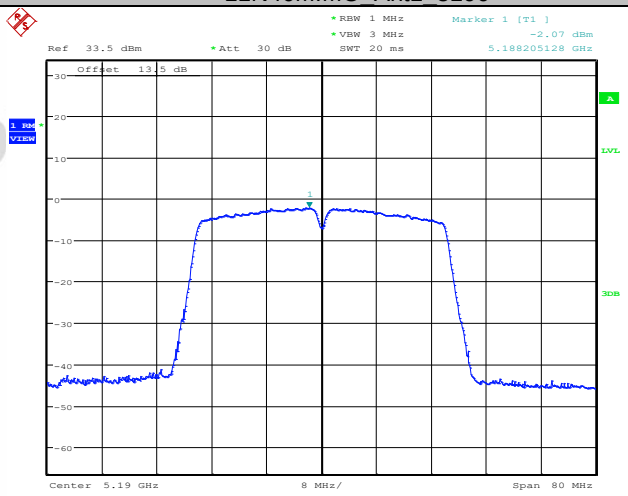

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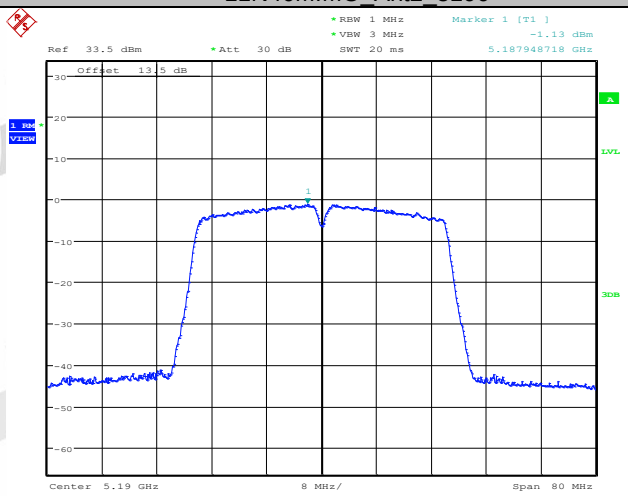

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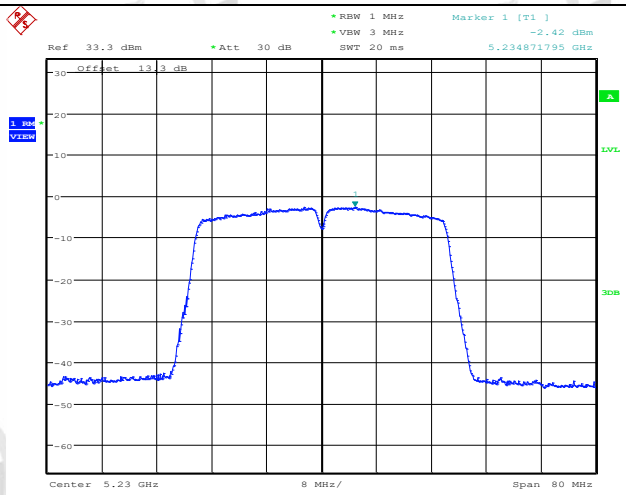

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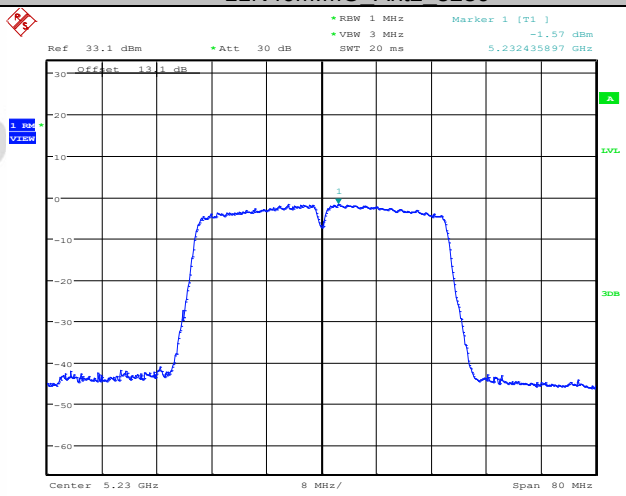

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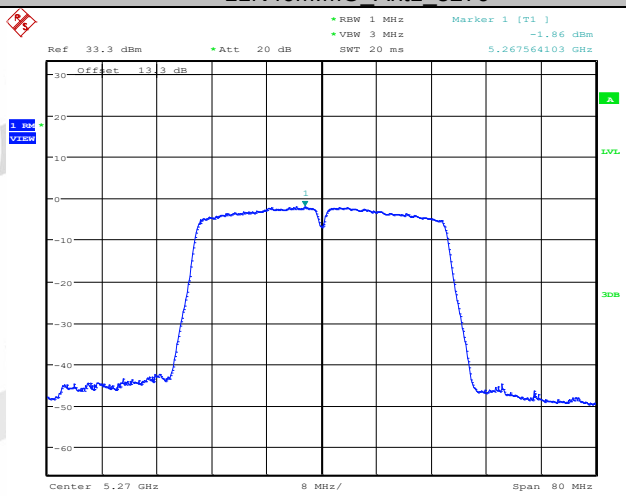

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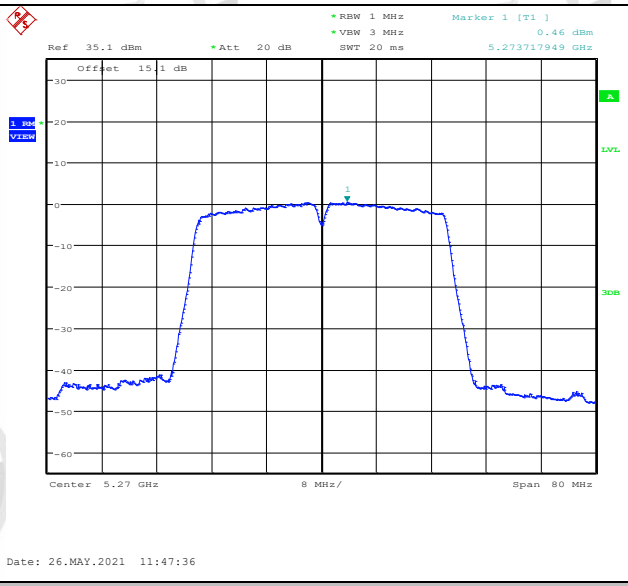

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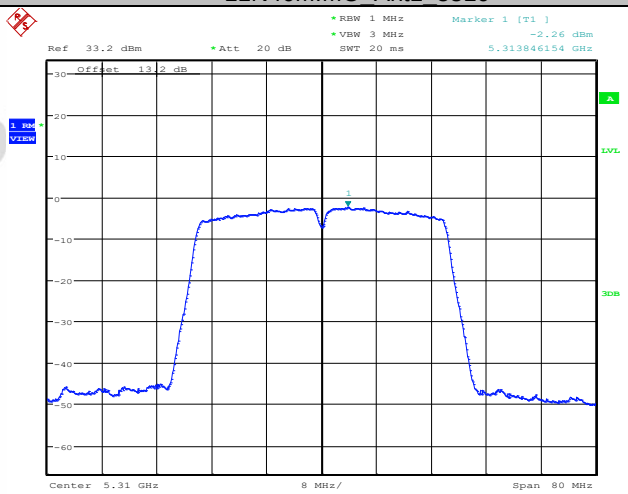

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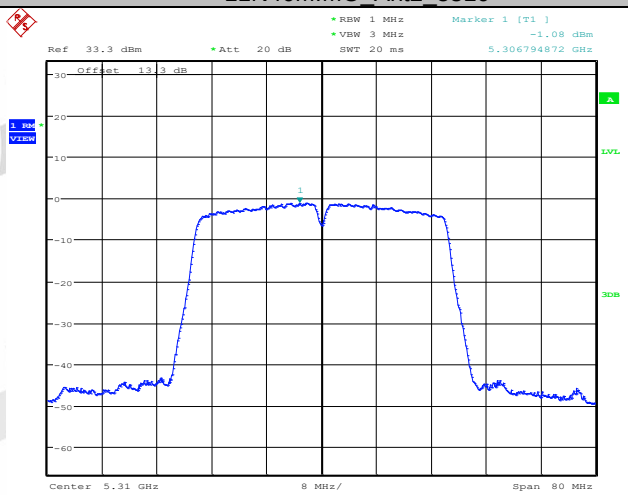

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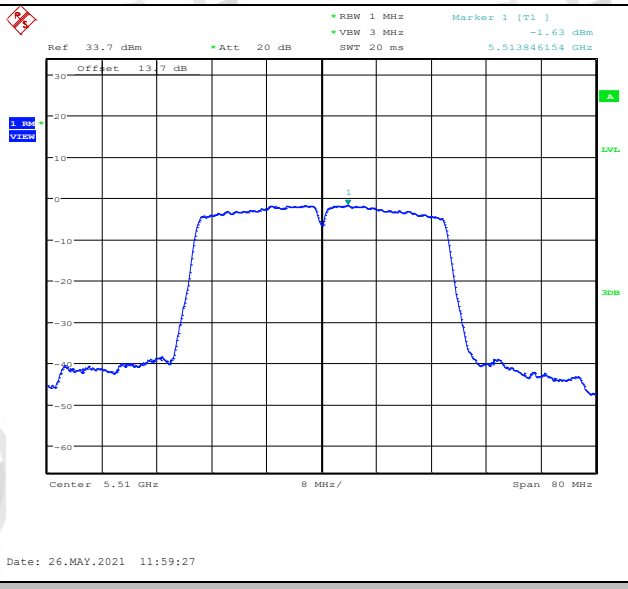

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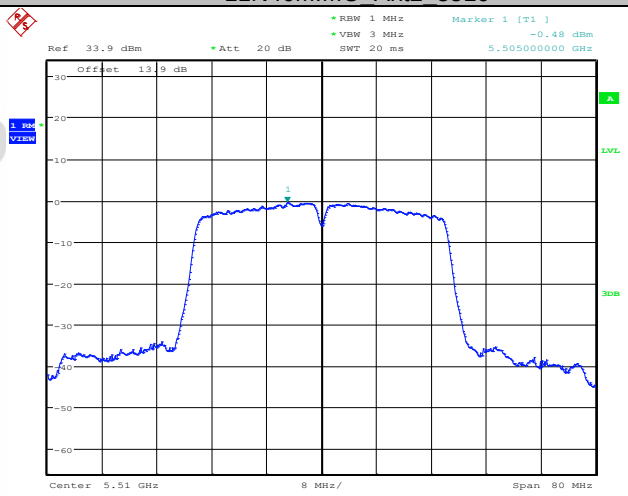

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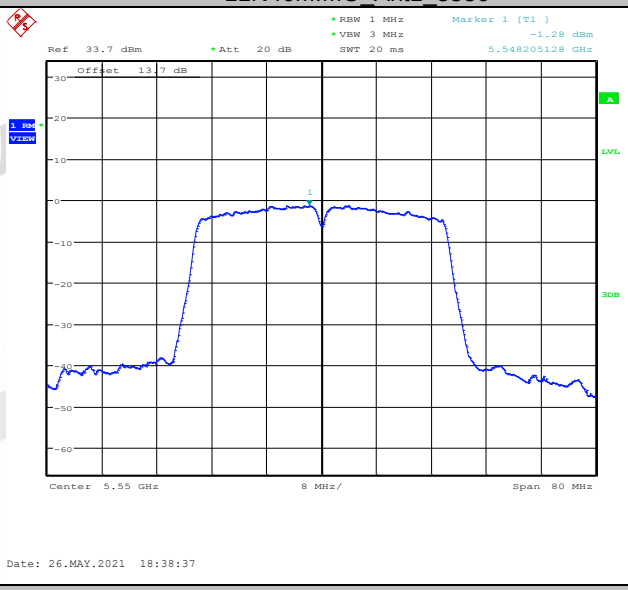

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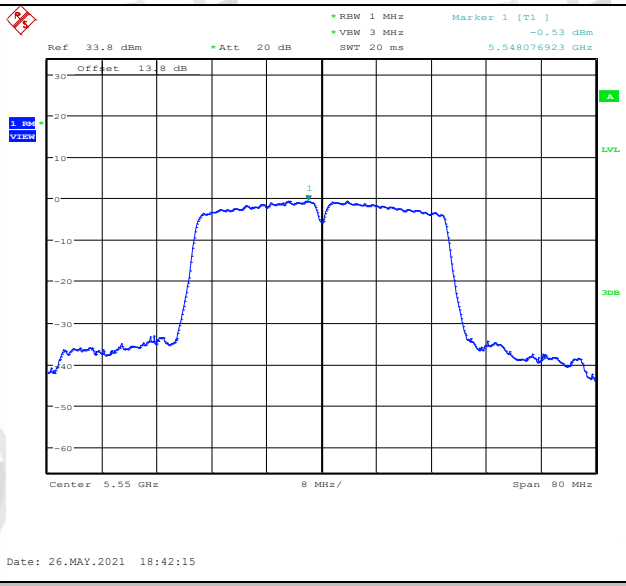

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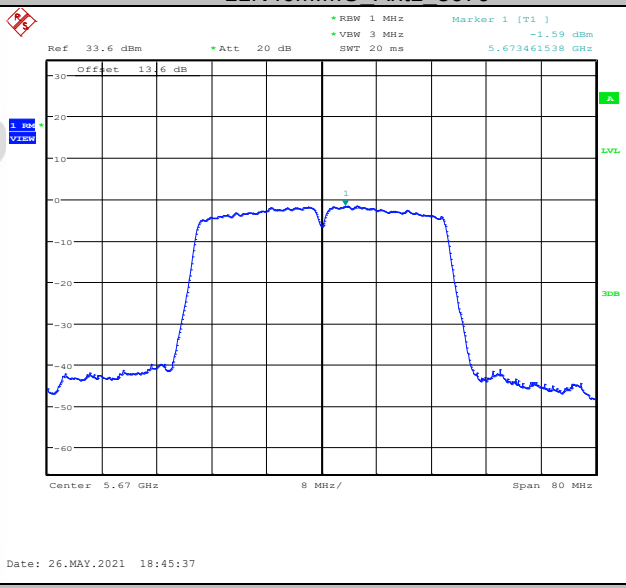

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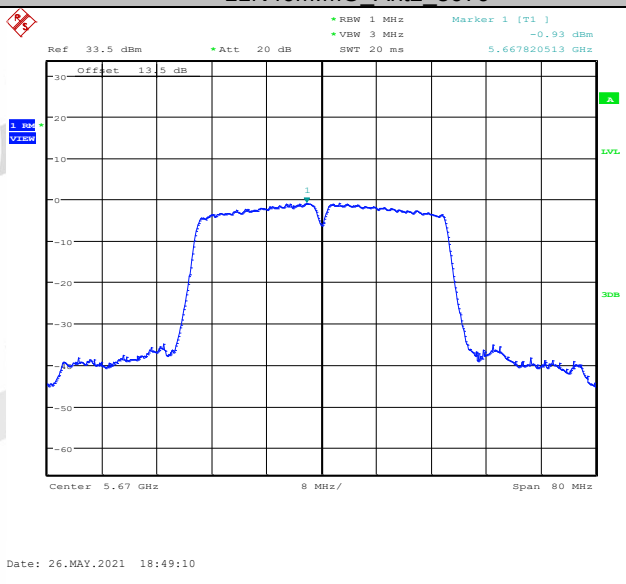

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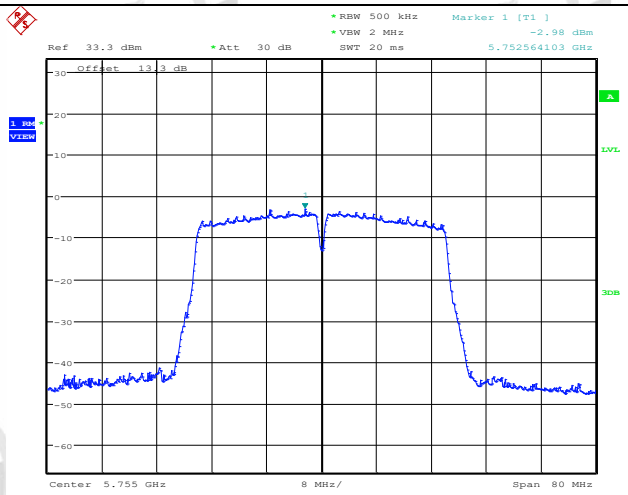

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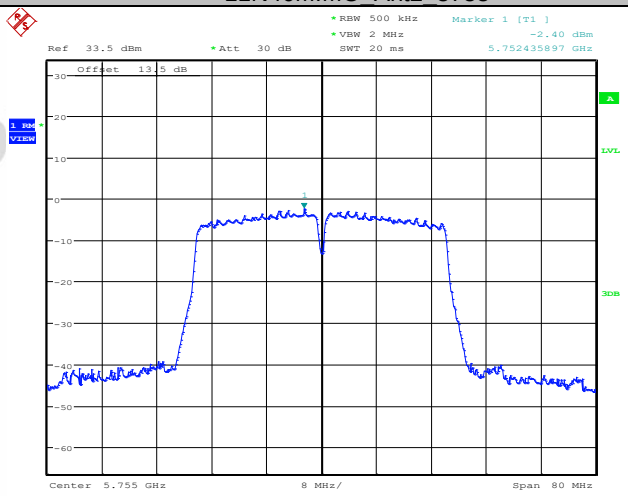

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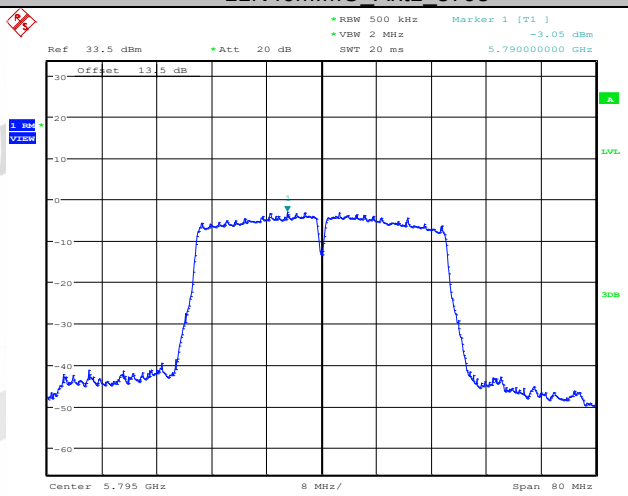

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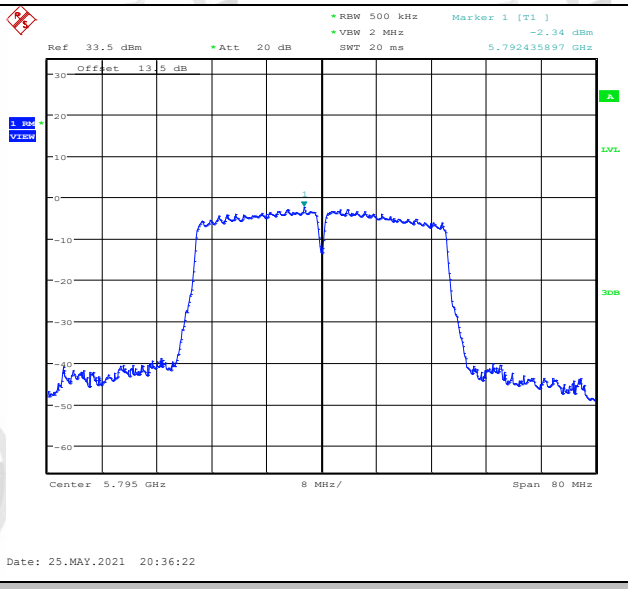

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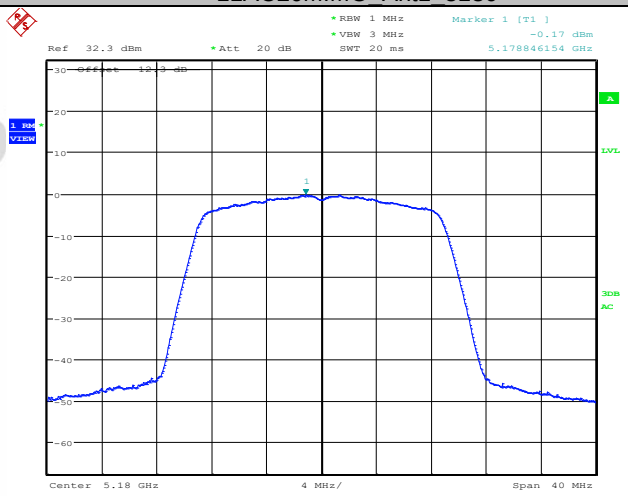

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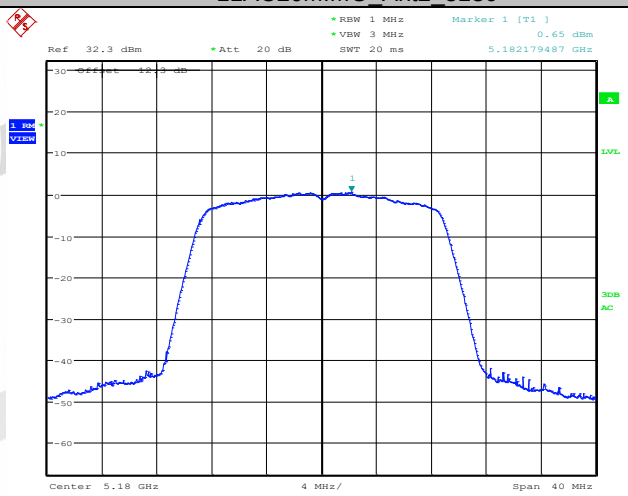

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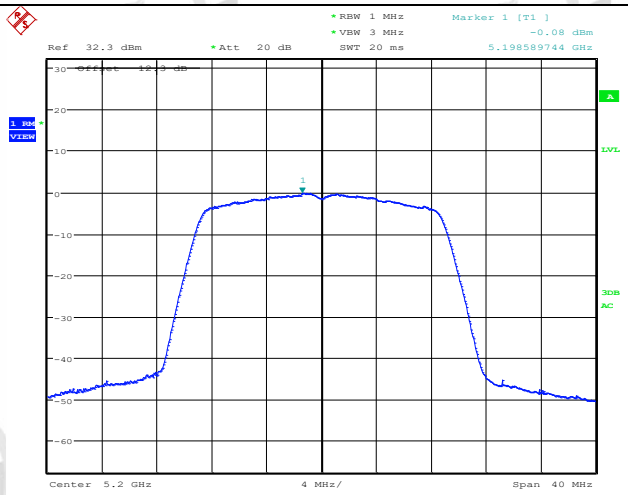

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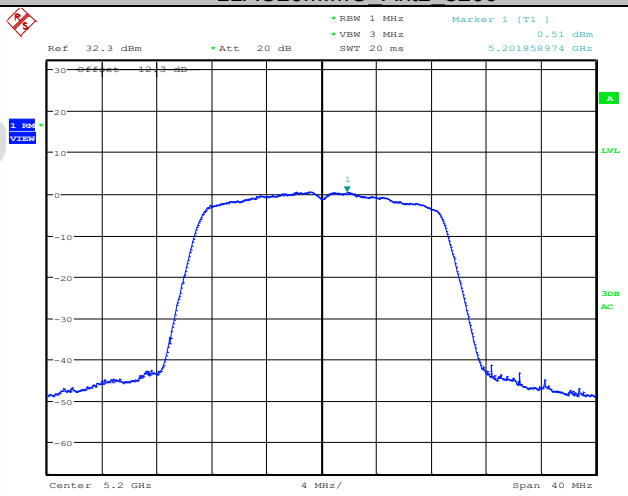

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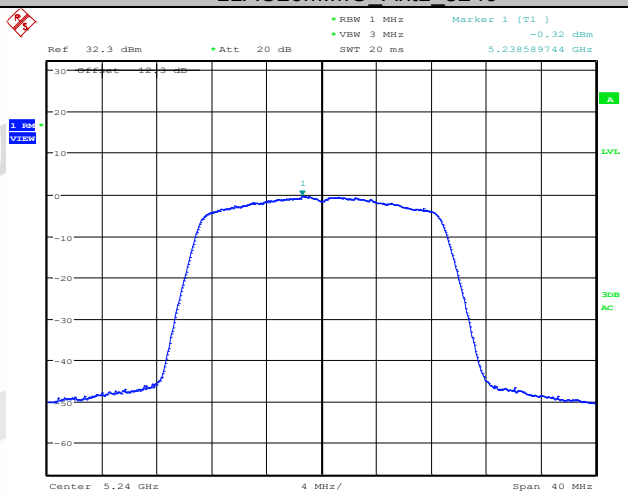

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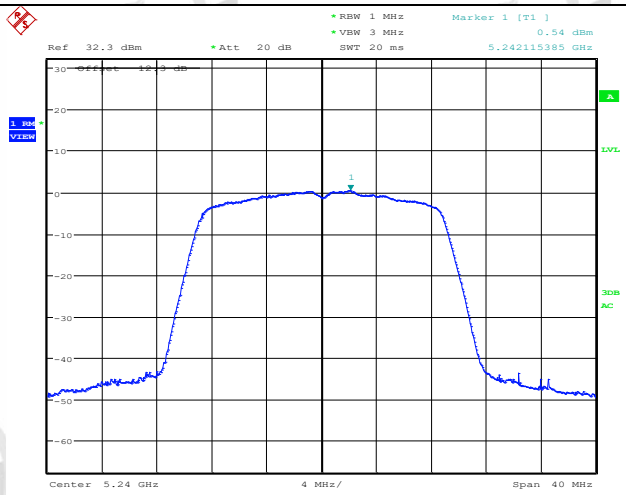

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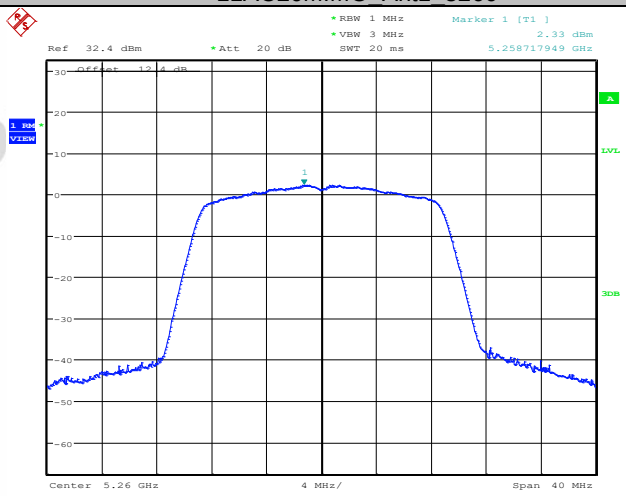

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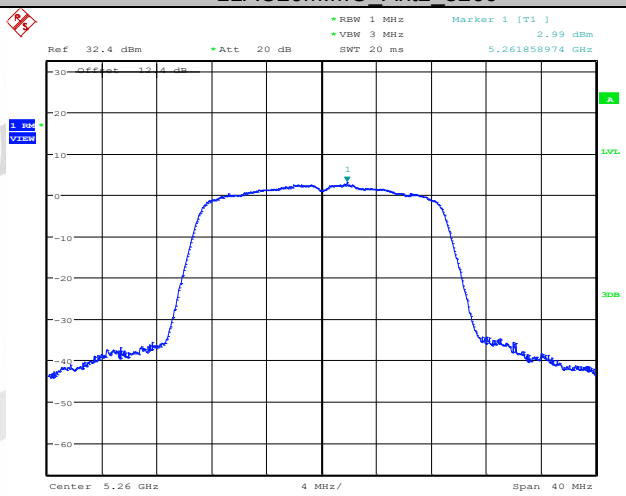

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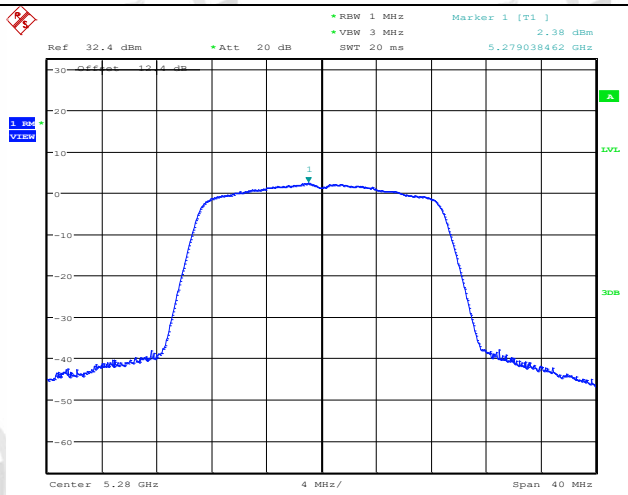

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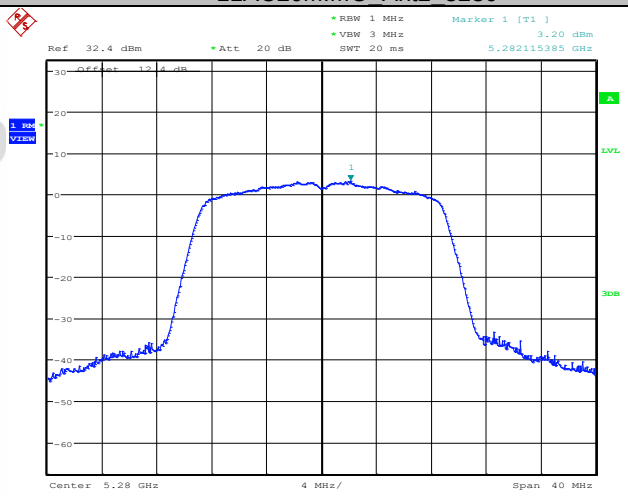

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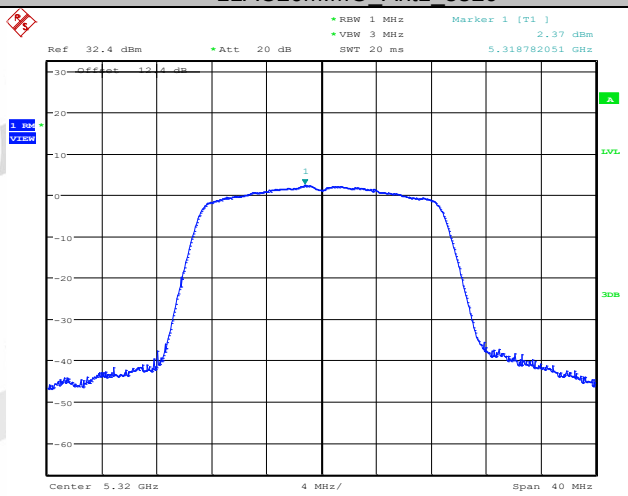

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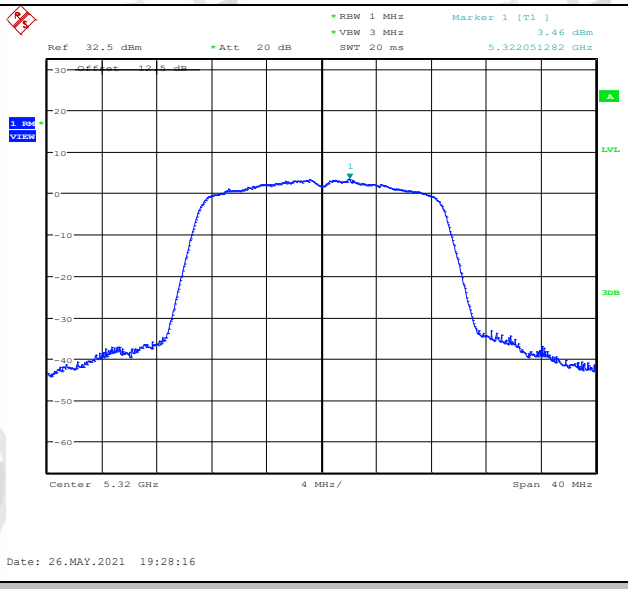

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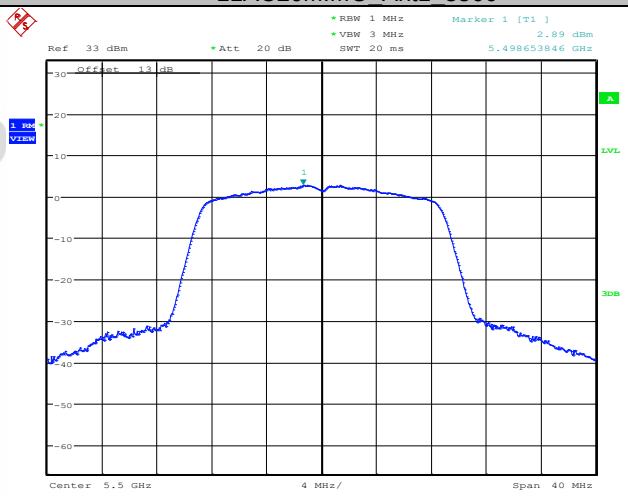

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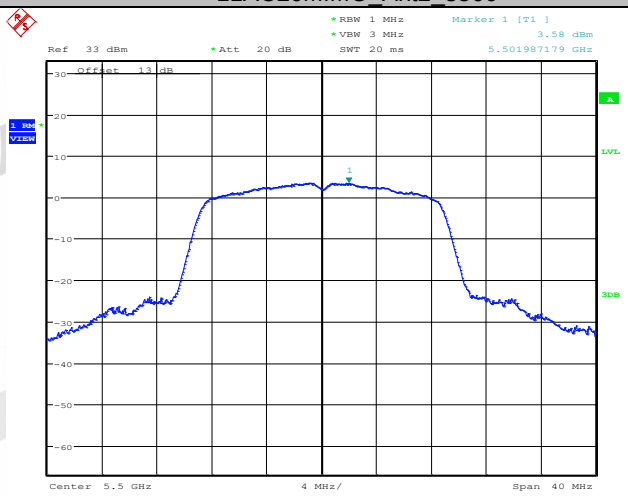

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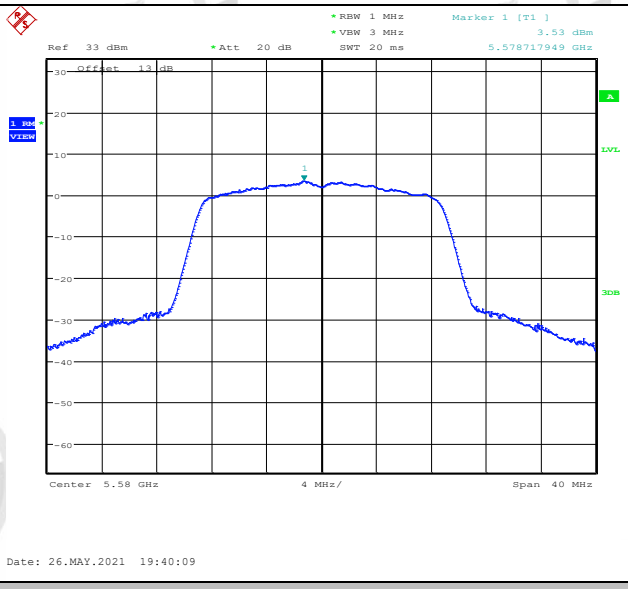

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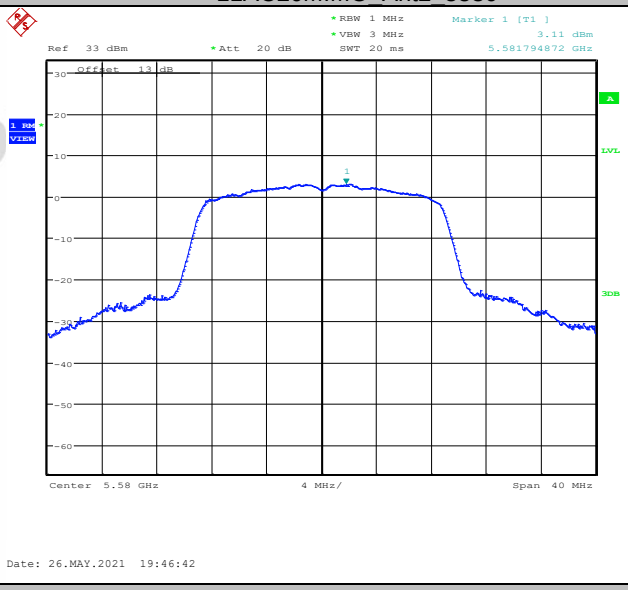

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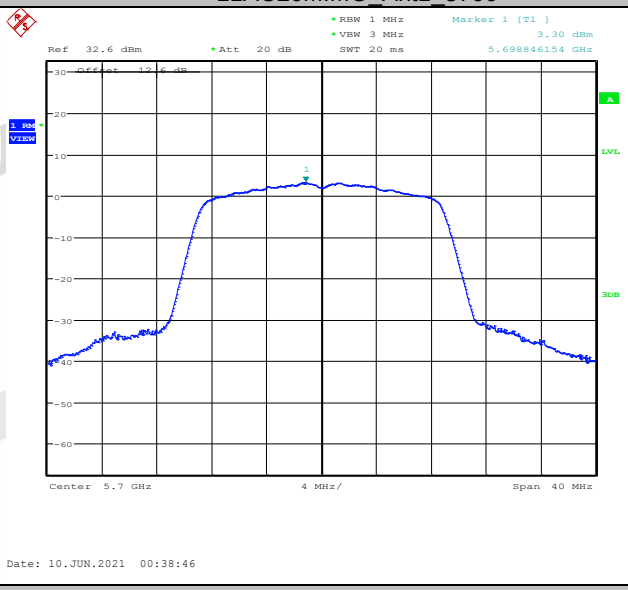

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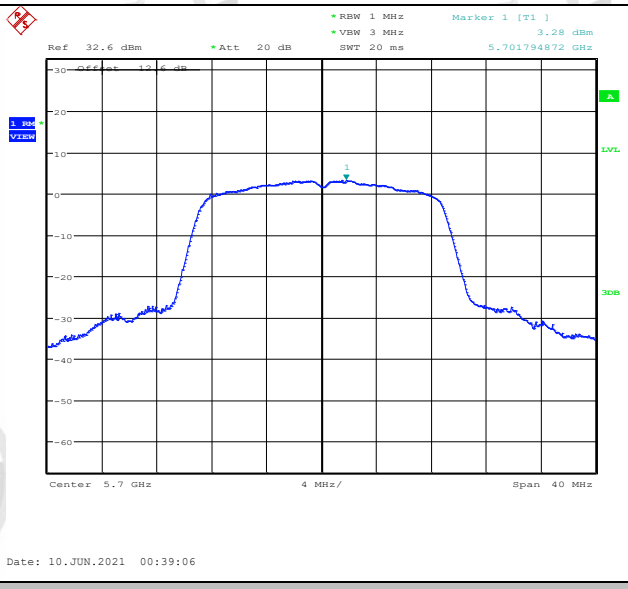

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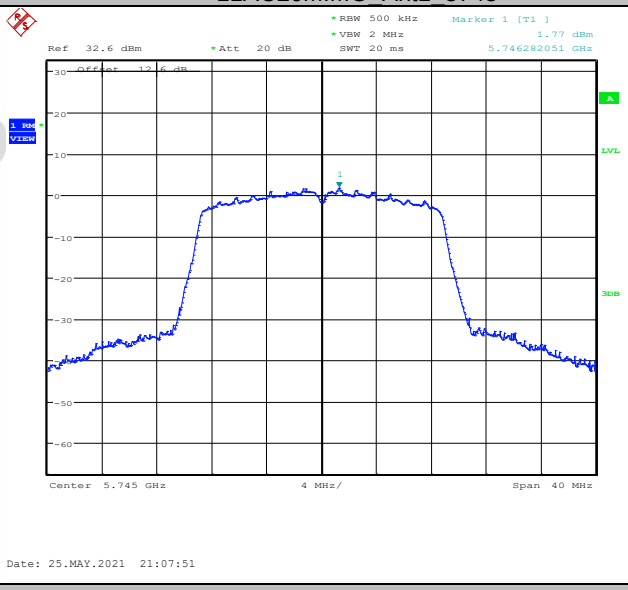

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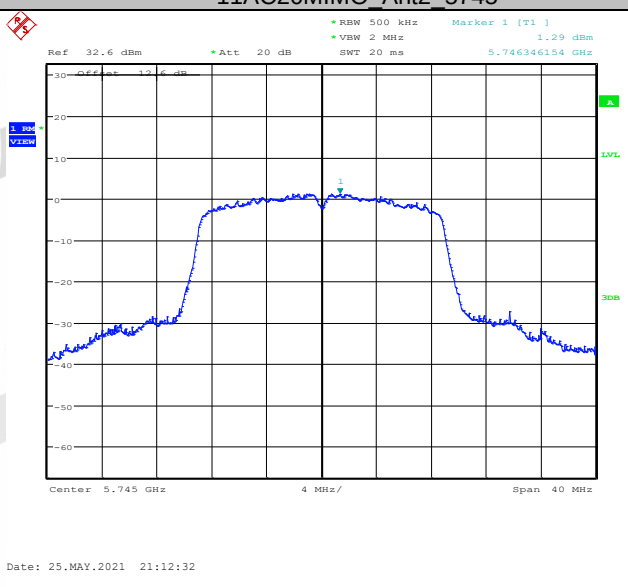

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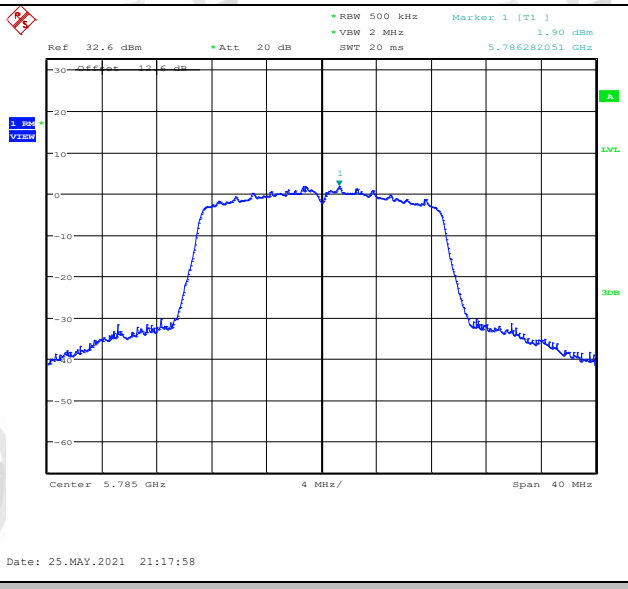

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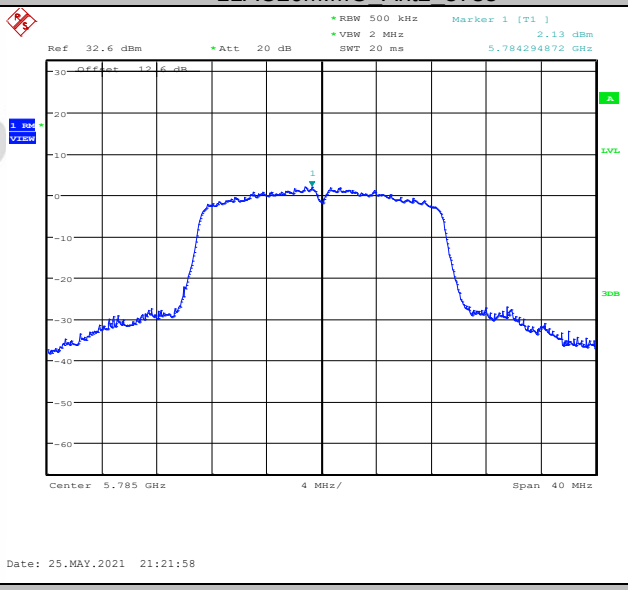

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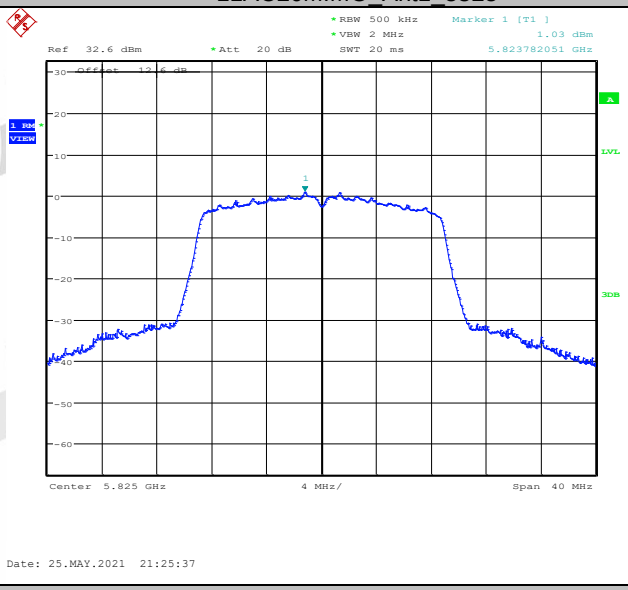

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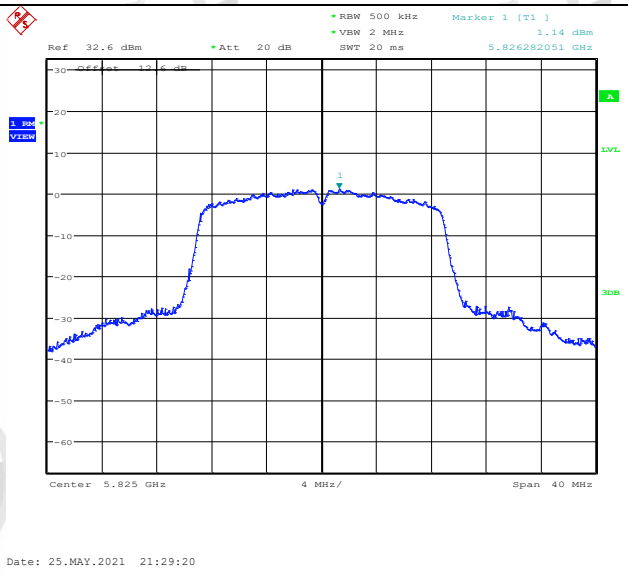

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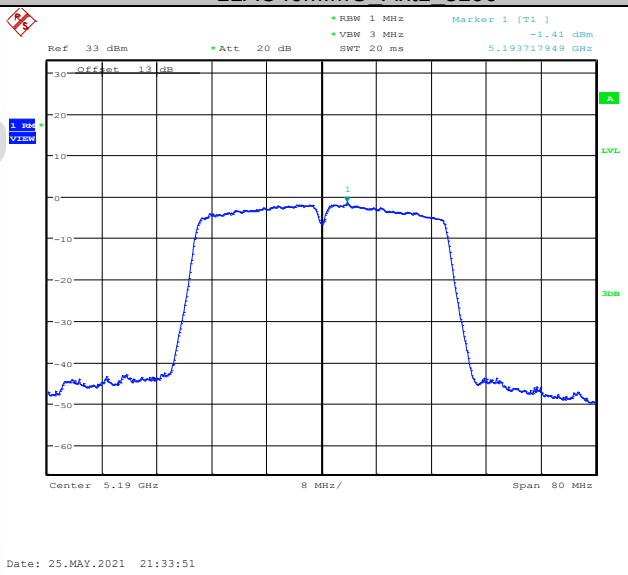

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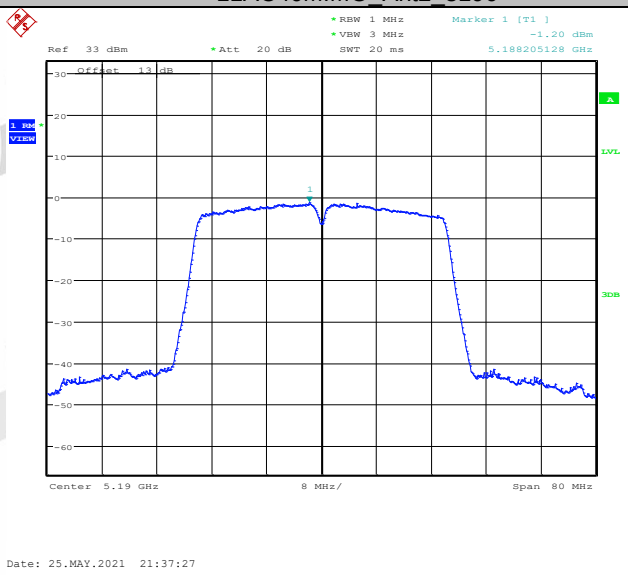

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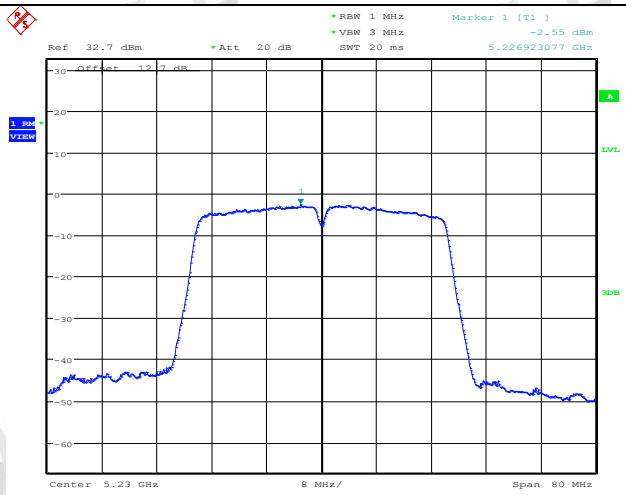

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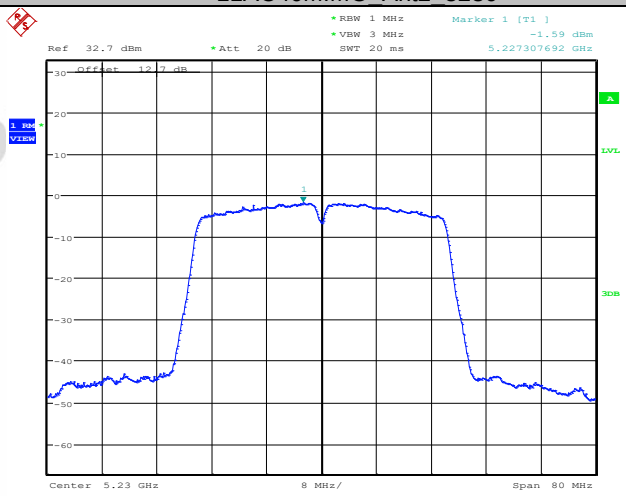

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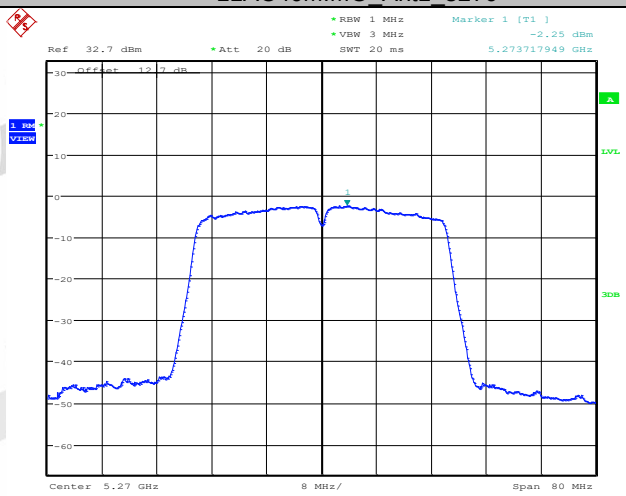

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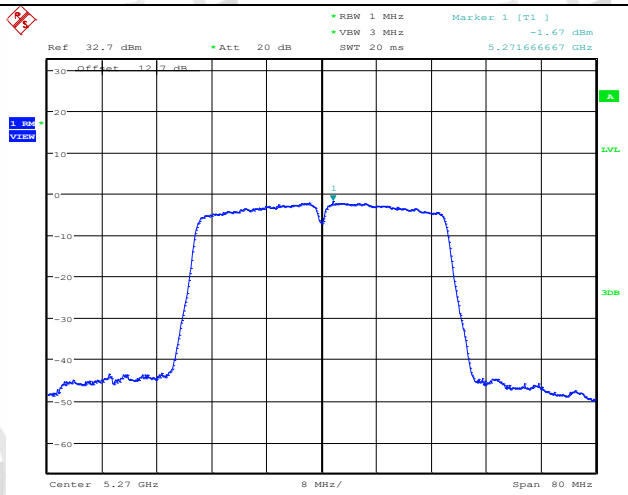

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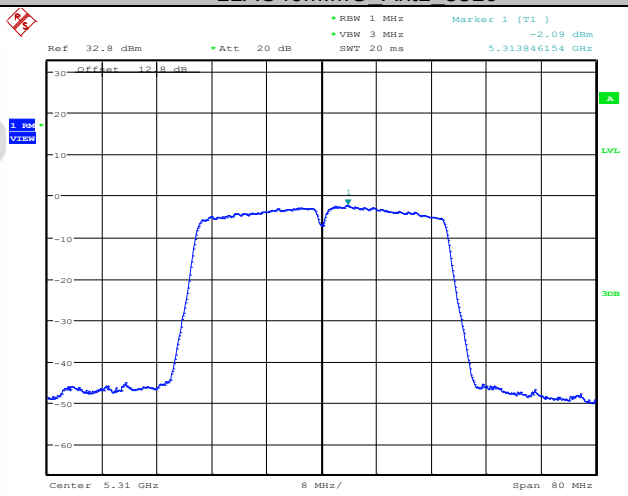

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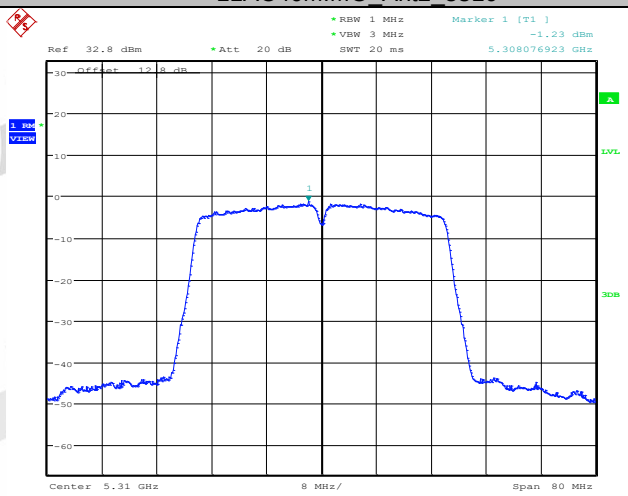

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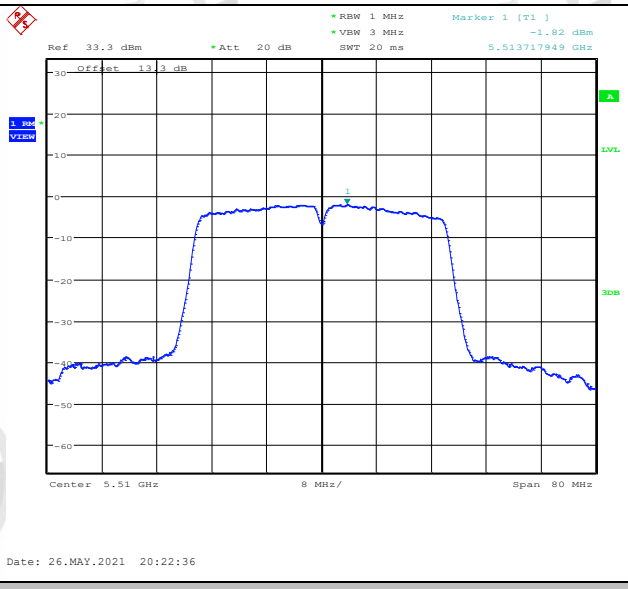

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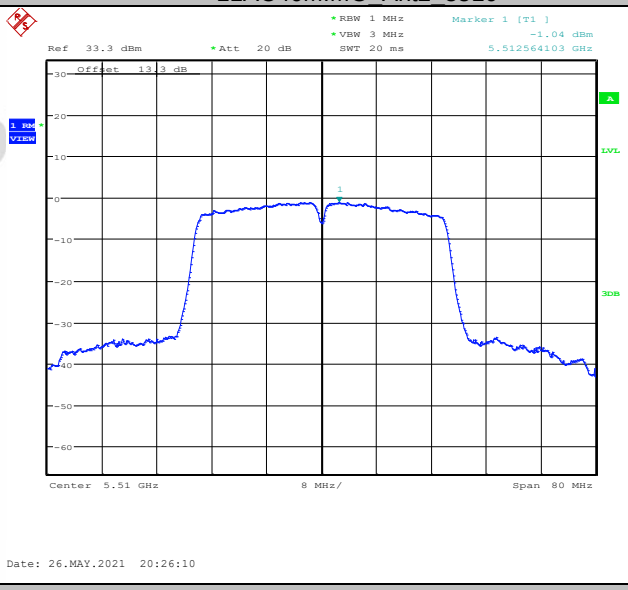

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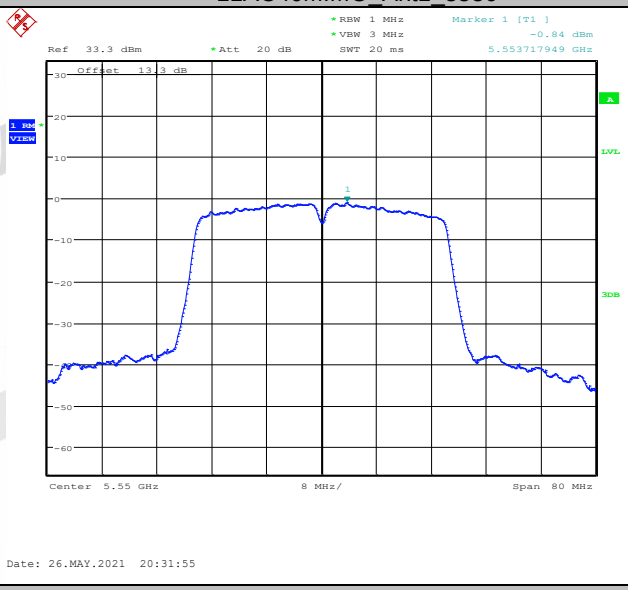

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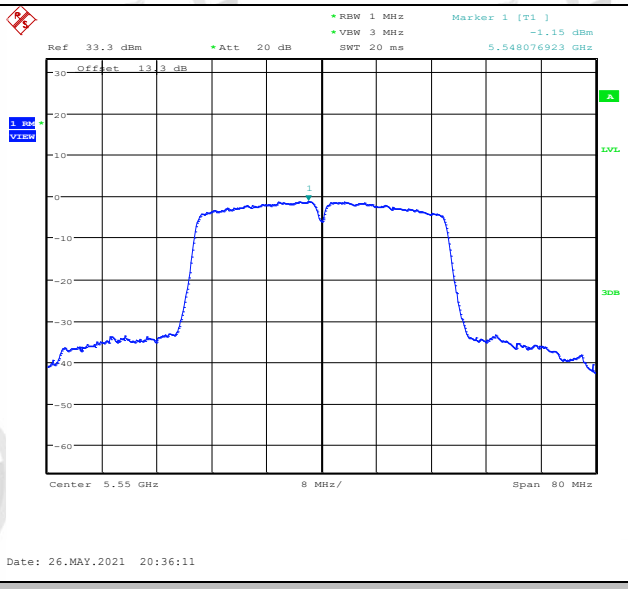

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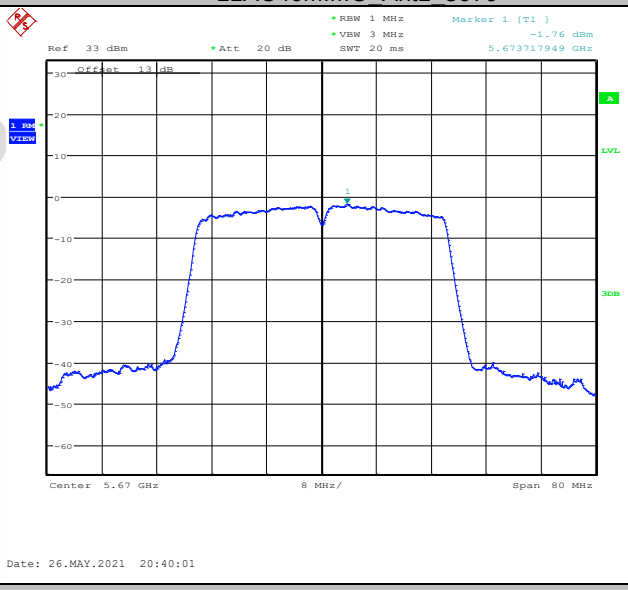

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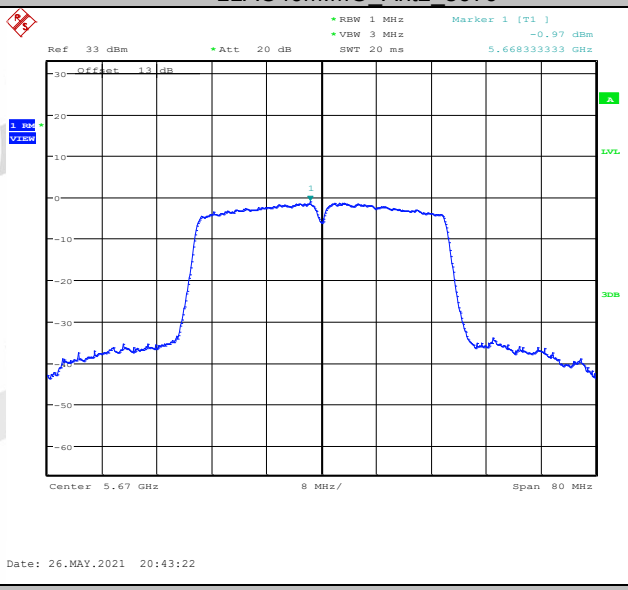

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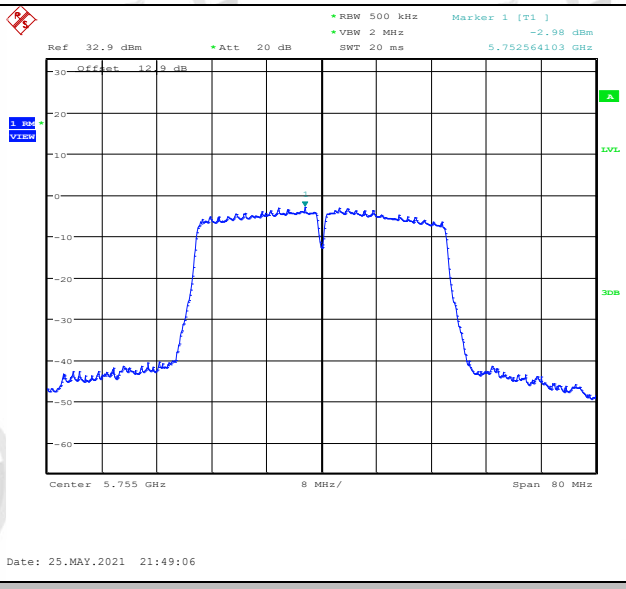

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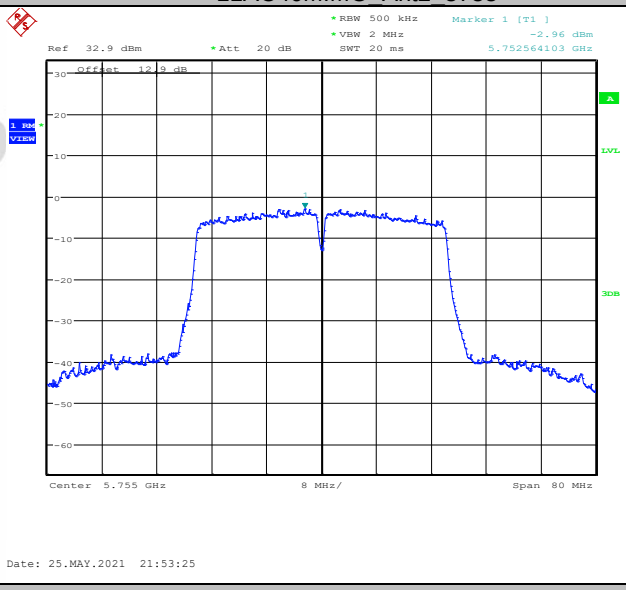

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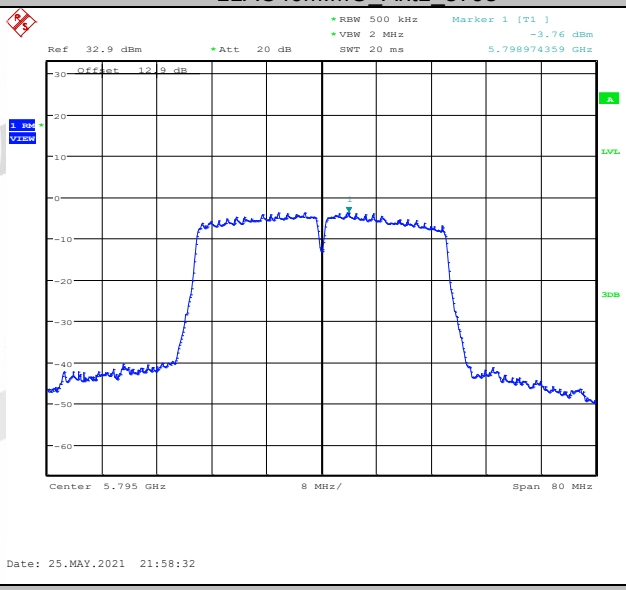

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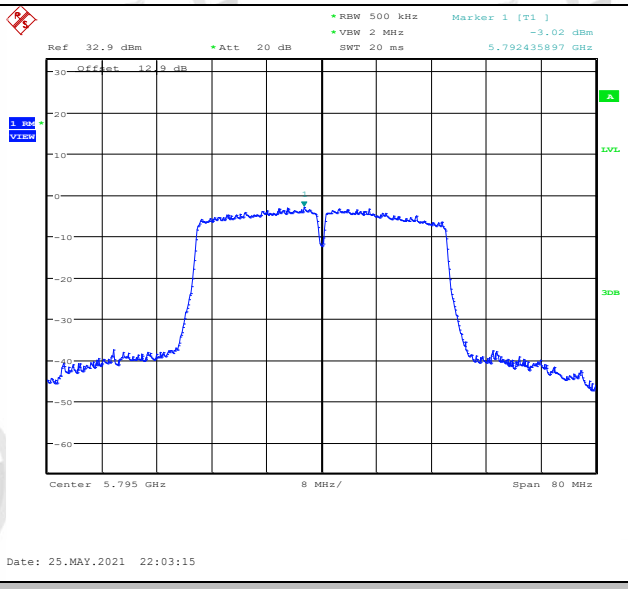

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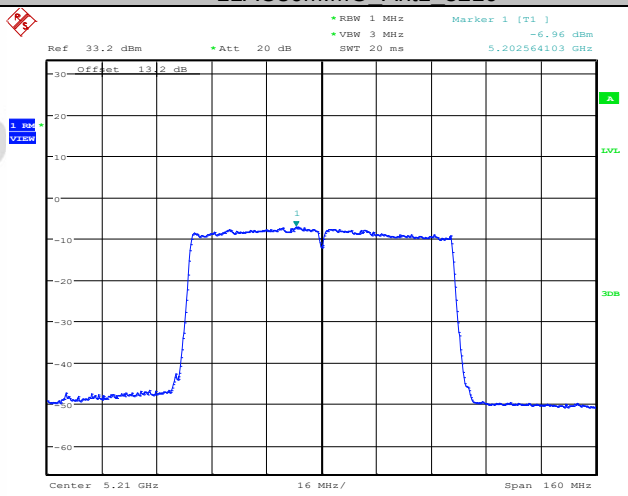

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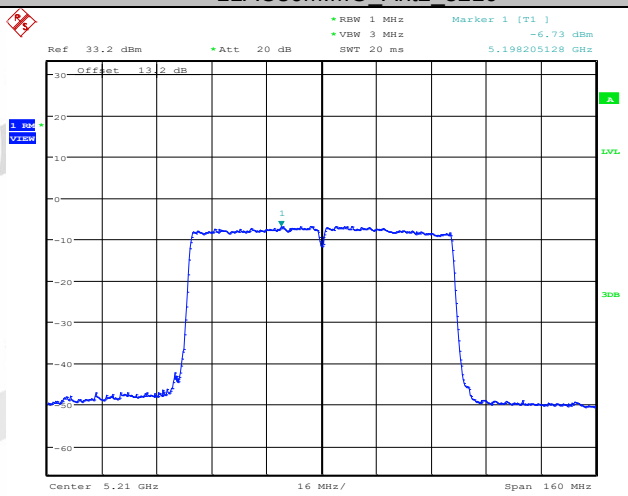

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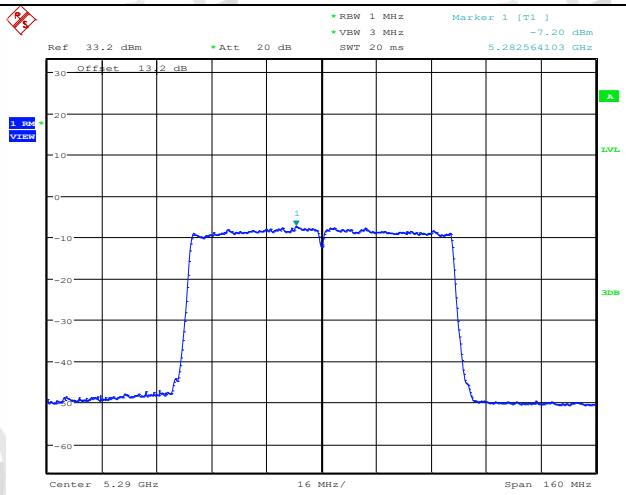

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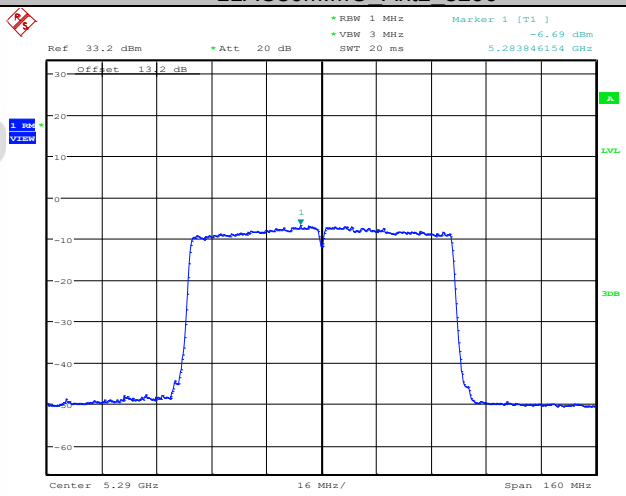

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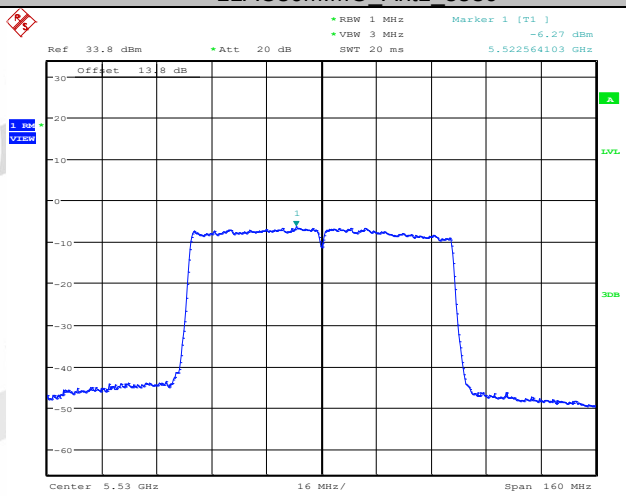

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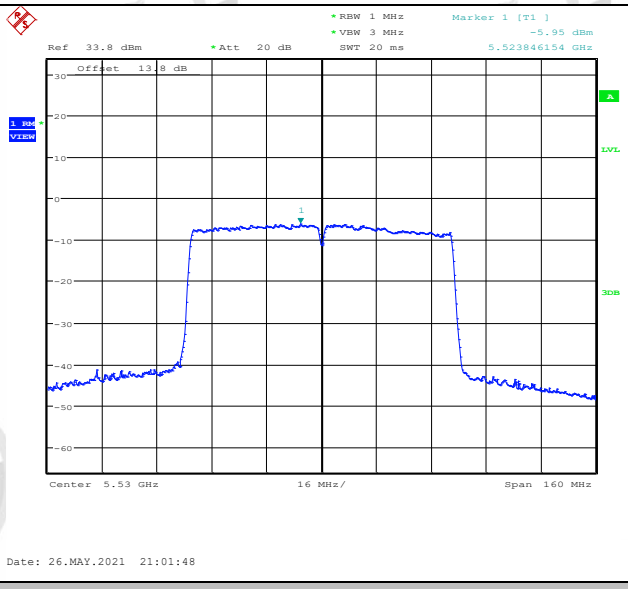

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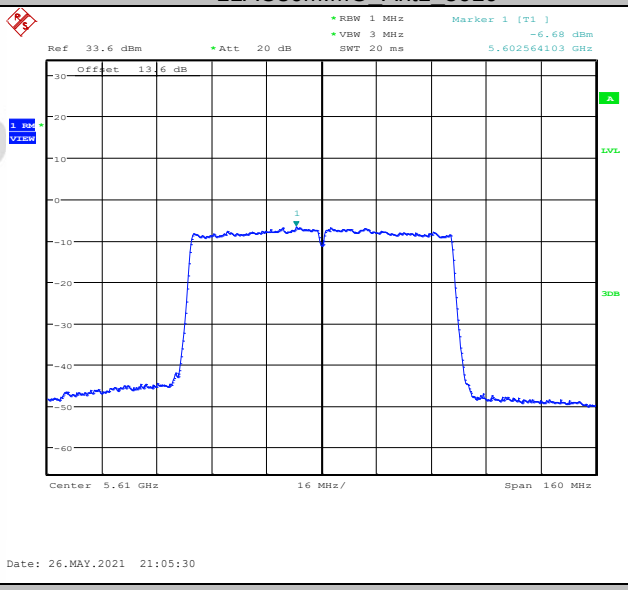

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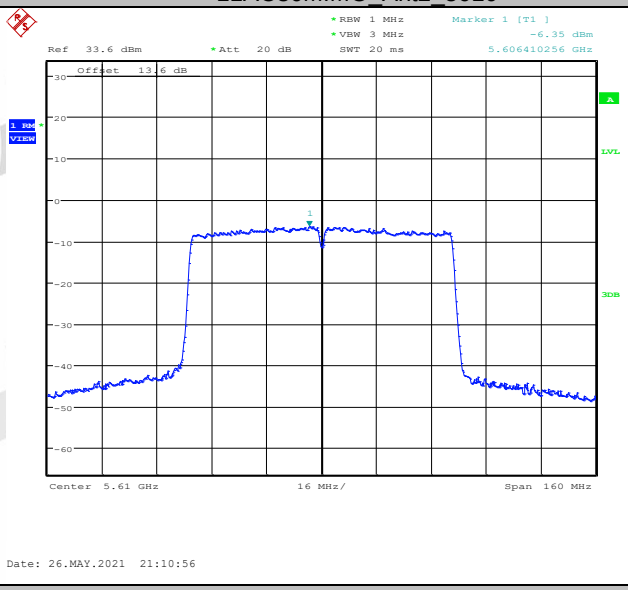

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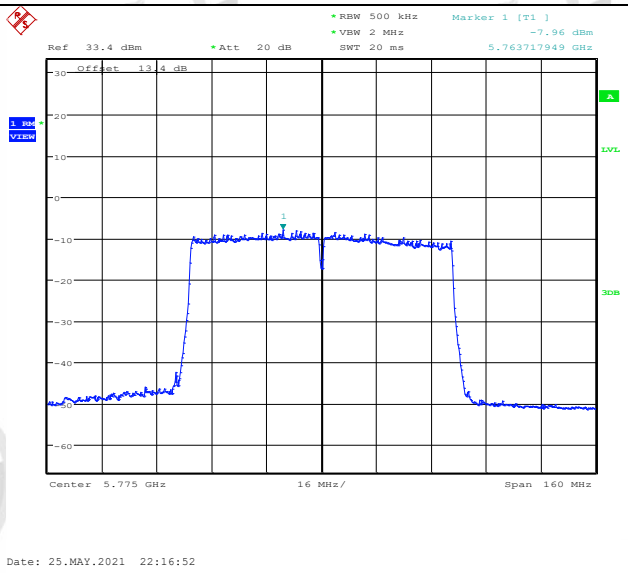

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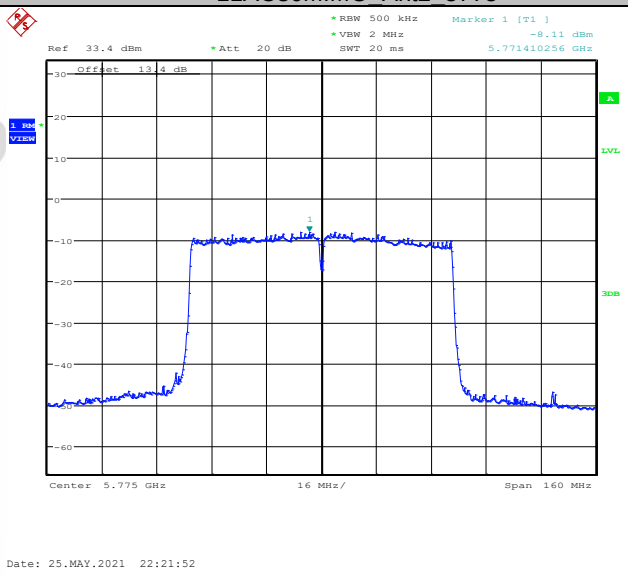


7. Frequency Stability Measurement

7.1. Limit of Frequency Stability

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

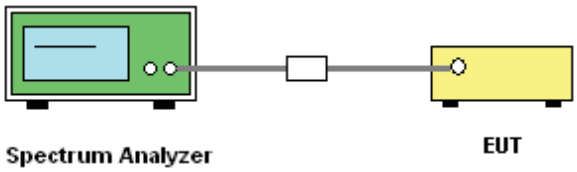
7.2. Measuring Instruments

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

7.3. Test Procedures

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

7.4. Test Setup



7.5. Test Result

Voltage								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-5000	-0.965251	20	PASS
			LV	NT	-5000	-0.965251	20	PASS
			HV	NT	-5000	-0.965251	20	PASS
	Ant2	5180	NV	NT	-14000	-2.702703	20	PASS
			LV	NT	-11000	-2.123552	20	PASS
			HV	NT	-10000	-1.930502	20	PASS
	Ant1	5200	NV	NT	-14000	-2.692308	20	PASS
			LV	NT	-14000	-2.692308	20	PASS
			HV	NT	-13000	-2.500000	20	PASS
	Ant2	5200	NV	NT	-14000	-2.692308	20	PASS
			LV	NT	-13000	-2.500000	20	PASS
			HV	NT	-12000	-2.307692	20	PASS
	Ant1	5240	NV	NT	-15000	-2.862595	20	PASS
			LV	NT	-14000	-2.671756	20	PASS
			HV	NT	-13000	-2.480916	20	PASS

	Ant2	5240	NV	NT	-14000	-2.671756	20	PASS
			LV	NT	-13000	-2.480916	20	PASS
			HV	NT	-12000	-2.290076	20	PASS
	Ant1	5260	NV	NT	-6000	-1.140684	20	PASS
			LV	NT	-5000	-0.95057	20	PASS
			HV	NT	-5000	-0.95057	20	PASS
	Ant2	5260	NV	NT	-14000	-2.661597	20	PASS
			LV	NT	-14000	-2.661597	20	PASS
			HV	NT	-13000	-2.471483	20	PASS
	Ant1	5280	NV	NT	-7000	-1.325758	20	PASS
			LV	NT	-6000	-1.136364	20	PASS
			HV	NT	-6000	-1.136364	20	PASS
	Ant2	5280	NV	NT	-14000	-2.651515	20	PASS
			LV	NT	-14000	-2.651515	20	PASS
			HV	NT	-13000	-2.462121	20	PASS
	Ant1	5320	NV	NT	-14000	-2.631579	20	PASS
			LV	NT	-13000	-2.443609	20	PASS
			HV	NT	-12000	-2.255639	20	PASS
	Ant2	5320	NV	NT	-14000	-2.631579	20	PASS
			LV	NT	-14000	-2.631579	20	PASS
			HV	NT	-13000	-2.443609	20	PASS
	Ant1	5500	NV	NT	-15000	-2.727273	20	PASS
			LV	NT	-14000	-2.545455	20	PASS
			HV	NT	-13000	-2.363636	20	PASS
	Ant2	5500	NV	NT	-14000	-2.545455	20	PASS
			LV	NT	-14000	-2.545455	20	PASS
			HV	NT	-13000	-2.363636	20	PASS
	Ant1	5580	NV	NT	-15000	-2.688172	20	PASS
			LV	NT	-14000	-2.508961	20	PASS
			HV	NT	-12000	-2.150538	20	PASS
	Ant2	5580	NV	NT	-14000	-2.508961	20	PASS
			LV	NT	-14000	-2.508961	20	PASS
			HV	NT	-13000	-2.329749	20	PASS
	Ant1	5700	NV	NT	-15000	-2.631579	20	PASS
			LV	NT	-15000	-2.631579	20	PASS
			HV	NT	-14000	-2.45614	20	PASS
	Ant2	5700	NV	NT	-14000	-2.45614	20	PASS
			LV	NT	-13000	-2.280702	20	PASS
			HV	NT	-12000	-2.105263	20	PASS
	Ant1	5745	NV	NT	-13000	-2.262837	20	PASS
			LV	NT	-15000	-2.610966	20	PASS
			HV	NT	-16000	-2.78503	20	PASS
	Ant2	5745	NV	NT	-11000	-1.914708	20	PASS
			LV	NT	-10000	-1.740644	20	PASS
			HV	NT	-9000	-1.56658	20	PASS
	Ant1	5785	NV	NT	-16000	-2.765774	20	PASS
			LV	NT	-15000	-2.592913	20	PASS
			HV	NT	-13000	-2.247191	20	PASS
	Ant2	5785	NV	NT	-15000	-2.592913	20	PASS
			LV	NT	-14000	-2.420052	20	PASS
			HV	NT	-13000	-2.247191	20	PASS

	Ant1	5825	NV	NT	-16000	-2.746781	20	PASS
			LV	NT	-14000	-2.403433	20	PASS
			HV	NT	-13000	-2.23176	20	PASS
	Ant2	5825	NV	NT	-15000	-2.575107	20	PASS
			LV	NT	-14000	-2.403433	20	PASS
			HV	NT	-12000	-2.060086	20	PASS
11N20MIMO	Ant1	5180	NV	NT	-5000	-0.965251	20	PASS
			LV	NT	-3000	-0.579151	20	PASS
			HV	NT	-2000	-0.3861	20	PASS
	Ant2	5180	NV	NT	-4000	-0.772201	20	PASS
			LV	NT	-2000	-0.3861	20	PASS
			HV	NT	0	0	20	PASS
	Ant1	5200	NV	NT	-14000	-2.692308	20	PASS
			LV	NT	-14000	-2.692308	20	PASS
			HV	NT	-14000	-2.692308	20	PASS
	Ant2	5200	NV	NT	-10000	-1.923077	20	PASS
			LV	NT	-8000	-1.538462	20	PASS
			HV	NT	-5000	-0.961538	20	PASS
	Ant1	5240	NV	NT	-10000	-1.908397	20	PASS
			LV	NT	-8000	-1.526718	20	PASS
			HV	NT	-5000	-0.954198	20	PASS
	Ant2	5240	NV	NT	-10000	-1.908397	20	PASS
			LV	NT	-7000	-1.335878	20	PASS
			HV	NT	-5000	-0.954198	20	PASS
	Ant1	5260	NV	NT	-12000	-2.281369	20	PASS
			LV	NT	-10000	-1.901141	20	PASS
			HV	NT	-8000	-1.520913	20	PASS
	Ant2	5260	NV	NT	-12000	-2.281369	20	PASS
			LV	NT	-10000	-1.901141	20	PASS
			HV	NT	-8000	-1.520913	20	PASS
	Ant1	5280	NV	NT	-12000	-2.272727	20	PASS
			LV	NT	-10000	-1.893939	20	PASS
			HV	NT	-8000	-1.515152	20	PASS
	Ant2	5280	NV	NT	-11000	-2.083333	20	PASS
			LV	NT	-8000	-1.515152	20	PASS
			HV	NT	-6000	-1.136364	20	PASS
	Ant1	5320	NV	NT	-14000	-2.631579	20	PASS
			LV	NT	-13000	-2.443609	20	PASS
			HV	NT	-12000	-2.255639	20	PASS
	Ant2	5320	NV	NT	-12000	-2.255639	20	PASS
			LV	NT	-11000	-2.067669	20	PASS
			HV	NT	-10000	-1.879699	20	PASS
	Ant1	5500	NV	NT	-12000	-2.181818	20	PASS
			LV	NT	-11000	-2	20	PASS
			HV	NT	-9000	-1.636364	20	PASS
	Ant2	5500	NV	NT	-12000	-2.181818	20	PASS
			LV	NT	-12000	-2.181818	20	PASS
			HV	NT	-10000	-1.818182	20	PASS
	Ant1	5580	NV	NT	-12000	-2.150538	20	PASS
			LV	NT	-9000	-1.612903	20	PASS
			HV	NT	-7000	-1.25448	20	PASS

	Ant2	5580	NV	NT	-6000	-1.075269	20	PASS
			LV	NT	-4000	-0.716846	20	PASS
			HV	NT	-1000	-0.179211	20	PASS
	Ant1	5700	NV	NT	-4000	-0.701754	20	PASS
			LV	NT	-1000	-0.175439	20	PASS
			HV	NT	1000	0.175439	20	PASS
	Ant2	5700	NV	NT	-7000	-1.22807	20	PASS
			LV	NT	-4000	-0.701754	20	PASS
			HV	NT	-1000	-0.175439	20	PASS
	Ant1	5745	NV	NT	-1000	-0.174064	20	PASS
			LV	NT	1000	0.174064	20	PASS
			HV	NT	2000	0.348129	20	PASS
	Ant2	5745	NV	NT	4000	0.696258	20	PASS
			LV	NT	6000	1.044386	20	PASS
			HV	NT	8000	1.392515	20	PASS
	Ant1	5785	NV	NT	-3000	-0.518583	20	PASS
			LV	NT	1000	0.172861	20	PASS
			HV	NT	4000	0.691443	20	PASS
	Ant2	5785	NV	NT	-2000	-0.345722	20	PASS
			LV	NT	1000	0.172861	20	PASS
			HV	NT	4000	0.691443	20	PASS
	Ant1	5825	NV	NT	-15000	-2.575107	20	PASS
			LV	NT	-12000	-2.060086	20	PASS
			HV	NT	-8000	-1.373391	20	PASS
	Ant2	5825	NV	NT	-15000	-2.575107	20	PASS
			LV	NT	-16000	-2.746781	20	PASS
			HV	NT	-16000	-2.746781	20	PASS
11N40MIMO	Ant1	5190	NV	NT	-14000	-2.697495	20	PASS
			LV	NT	-14000	-2.697495	20	PASS
			HV	NT	-13000	-2.504817	20	PASS
	Ant2	5190	NV	NT	-11000	-2.119461	20	PASS
			LV	NT	-10000	-1.926782	20	PASS
			HV	NT	-8000	-1.541426	20	PASS
	Ant1	5230	NV	NT	-14000	-2.676864	20	PASS
			LV	NT	-13000	-2.48566	20	PASS
			HV	NT	-11000	-2.10325	20	PASS
	Ant2	5230	NV	NT	-14000	-2.676864	20	PASS
			LV	NT	-13000	-2.48566	20	PASS
			HV	NT	-11000	-2.10325	20	PASS
	Ant1	5270	NV	NT	-14000	-2.656546	20	PASS
			LV	NT	-11000	-2.087287	20	PASS
			HV	NT	-9000	-1.70778	20	PASS
	Ant2	5270	NV	NT	-10000	-1.897533	20	PASS
			LV	NT	-8000	-1.518027	20	PASS
			HV	NT	-6000	-1.13852	20	PASS
	Ant1	5310	NV	NT	-14000	-2.636535	20	PASS
			LV	NT	-12000	-2.259887	20	PASS
			HV	NT	-10000	-1.883239	20	PASS
	Ant2	5310	NV	NT	-14000	-2.636535	20	PASS
			LV	NT	-12000	-2.259887	20	PASS
			HV	NT	-10000	-1.883239	20	PASS

	Ant1	5510	NV	NT	0	0	20	PASS
			LV	NT	1000	0.181488	20	PASS
			HV	NT	2000	0.362976	20	PASS
	Ant2	5510	NV	NT	-13000	-2.359347	20	PASS
			LV	NT	-10000	-1.814882	20	PASS
			HV	NT	-7000	-1.270417	20	PASS
	Ant1	5550	NV	NT	-13000	-2.342342	20	PASS
			LV	NT	-10000	-1.801802	20	PASS
			HV	NT	-7000	-1.261261	20	PASS
	Ant2	5550	NV	NT	-13000	-2.342342	20	PASS
			LV	NT	-10000	-1.801802	20	PASS
			HV	NT	-7000	-1.261261	20	PASS
	Ant1	5670	NV	NT	-12000	-2.116402	20	PASS
			LV	NT	-9000	-1.587302	20	PASS
			HV	NT	-6000	-1.058201	20	PASS
	Ant2	5670	NV	NT	-13000	-2.292769	20	PASS
			LV	NT	-10000	-1.763668	20	PASS
			HV	NT	-7000	-1.234568	20	PASS
	Ant1	5755	NV	NT	-16000	-2.780191	20	PASS
			LV	NT	-16000	-2.780191	20	PASS
			HV	NT	-14000	-2.432667	20	PASS
	Ant2	5755	NV	NT	-16000	-2.780191	20	PASS
			LV	NT	-15000	-2.606429	20	PASS
			HV	NT	-13000	-2.258905	20	PASS
	Ant1	5795	NV	NT	-14000	-2.415876	20	PASS
			LV	NT	-12000	-2.070751	20	PASS
			HV	NT	-10000	-1.725626	20	PASS
	Ant2	5795	NV	NT	-13000	-2.243313	20	PASS
			LV	NT	-11000	-1.898188	20	PASS
			HV	NT	-9000	-1.553063	20	PASS
11AC20MIMO	Ant1	5180	NV	NT	-10000	-1.930502	20	PASS
			LV	NT	-8000	-1.544402	20	PASS
			HV	NT	-6000	-1.158301	20	PASS
	Ant2	5180	NV	NT	-11000	-2.123552	20	PASS
			LV	NT	-9000	-1.737452	20	PASS
			HV	NT	-7000	-1.351351	20	PASS
	Ant1	5200	NV	NT	-10000	-1.923077	20	PASS
			LV	NT	-8000	-1.538462	20	PASS
			HV	NT	-6000	-1.153846	20	PASS
	Ant2	5200	NV	NT	-11000	-2.115385	20	PASS
			LV	NT	-8000	-1.538462	20	PASS
			HV	NT	-6000	-1.153846	20	PASS
	Ant1	5240	NV	NT	-10000	-1.908397	20	PASS
			LV	NT	-8000	-1.526718	20	PASS
			HV	NT	-6000	-1.145038	20	PASS
	Ant2	5240	NV	NT	-10000	-1.908397	20	PASS
			LV	NT	-8000	-1.526718	20	PASS
			HV	NT	-6000	-1.145038	20	PASS
	Ant1	5260	NV	NT	-7000	-1.330798	20	PASS
			LV	NT	-4000	-0.760456	20	PASS
			HV	NT	-2000	-0.380228	20	PASS

	Ant2	5260	NV	NT	-8000	-1.520913	20	PASS
			LV	NT	-5000	-0.95057	20	PASS
			HV	NT	-2000	-0.380228	20	PASS
	Ant1	5280	NV	NT	-9000	-1.704545	20	PASS
			LV	NT	-6000	-1.136364	20	PASS
			HV	NT	-4000	-0.757576	20	PASS
	Ant2	5280	NV	NT	-8000	-1.515152	20	PASS
			LV	NT	-5000	-0.94697	20	PASS
			HV	NT	-2000	-0.378788	20	PASS
	Ant1	5320	NV	NT	-7000	-1.315789	20	PASS
			LV	NT	-4000	-0.75188	20	PASS
			HV	NT	-1000	-0.18797	20	PASS
	Ant2	5320	NV	NT	-8000	-1.503759	20	PASS
			LV	NT	-5000	-0.93985	20	PASS
			HV	NT	-2000	-0.37594	20	PASS
	Ant1	5500	NV	NT	1000	0.181818	20	PASS
			LV	NT	4000	0.727273	20	PASS
			HV	NT	6000	1.090909	20	PASS
	Ant2	5500	NV	NT	0	0	20	PASS
			LV	NT	3000	0.545455	20	PASS
			HV	NT	6000	1.090909	20	PASS
	Ant1	5580	NV	NT	1000	0.179211	20	PASS
			LV	NT	5000	0.896057	20	PASS
			HV	NT	8000	1.433692	20	PASS
	Ant2	5580	NV	NT	3000	0.537634	20	PASS
			LV	NT	6000	1.075269	20	PASS
			HV	NT	9000	1.612903	20	PASS
	Ant1	5700	NV	NT	4000	0.701754	20	PASS
			LV	NT	8000	1.403509	20	PASS
			HV	NT	11000	1.929825	20	PASS
	Ant2	5700	NV	NT	0	0	20	PASS
			LV	NT	4000	0.701754	20	PASS
			HV	NT	8000	1.403509	20	PASS
	Ant1	5745	NV	NT	-5000	-0.870322	20	PASS
			LV	NT	-2000	-0.348129	20	PASS
			HV	NT	1000	0.174064	20	PASS
	Ant2	5745	NV	NT	-6000	-1.044386	20	PASS
			LV	NT	-3000	-0.522193	20	PASS
			HV	NT	0	0	20	PASS
	Ant1	5785	NV	NT	-5000	-0.864304	20	PASS
			LV	NT	-2000	-0.345722	20	PASS
			HV	NT	1000	0.172861	20	PASS
	Ant2	5785	NV	NT	-2000	-0.345722	20	PASS
			LV	NT	1000	0.172861	20	PASS
			HV	NT	4000	0.691443	20	PASS
	Ant1	5825	NV	NT	-1000	-0.171674	20	PASS
			LV	NT	3000	0.515021	20	PASS
			HV	NT	6000	1.030043	20	PASS
	Ant2	5825	NV	NT	-1000	-0.171674	20	PASS
			LV	NT	2000	0.343348	20	PASS
			HV	NT	6000	1.030043	20	PASS

11AC40MIMO	Ant1	5190	NV	NT	-9000	-1.734104	20	PASS
			LV	NT	-7000	-1.348748	20	PASS
			HV	NT	-4000	-0.770713	20	PASS
	Ant2	5190	NV	NT	-9000	-1.734104	20	PASS
			LV	NT	-6000	-1.156069	20	PASS
			HV	NT	-4000	-0.770713	20	PASS
	Ant1	5230	NV	NT	-10000	-1.912046	20	PASS
			LV	NT	-7000	-1.338432	20	PASS
			HV	NT	-5000	-0.956023	20	PASS
	Ant2	5230	NV	NT	-10000	-1.912046	20	PASS
			LV	NT	-7000	-1.338432	20	PASS
			HV	NT	-5000	-0.956023	20	PASS
	Ant1	5270	NV	NT	-10000	-1.897533	20	PASS
			LV	NT	-7000	-1.328273	20	PASS
			HV	NT	-4000	-0.759013	20	PASS
	Ant2	5270	NV	NT	-2000	-0.379507	20	PASS
			LV	NT	1000	0.189753	20	PASS
			HV	NT	2000	0.379507	20	PASS
	Ant1	5310	NV	NT	-10000	-1.883239	20	PASS
			LV	NT	-7000	-1.318267	20	PASS
			HV	NT	-4000	-0.753296	20	PASS
	Ant2	5310	NV	NT	-10000	-1.883239	20	PASS
			LV	NT	-7000	-1.318267	20	PASS
			HV	NT	-4000	-0.753296	20	PASS
	Ant1	5510	NV	NT	-8000	-1.451906	20	PASS
			LV	NT	-5000	-0.907441	20	PASS
			HV	NT	-2000	-0.362976	20	PASS
	Ant2	5510	NV	NT	-8000	-1.451906	20	PASS
			LV	NT	-5000	-0.907441	20	PASS
			HV	NT	-2000	-0.362976	20	PASS
	Ant1	5550	NV	NT	-7000	-1.261261	20	PASS
			LV	NT	-3000	-0.540541	20	PASS
			HV	NT	0	0	20	PASS
	Ant2	5550	NV	NT	-8000	-1.441441	20	PASS
			LV	NT	-4000	-0.720721	20	PASS
			HV	NT	-1000	-0.18018	20	PASS
	Ant1	5670	NV	NT	-8000	-1.410935	20	PASS
			LV	NT	-5000	-0.881834	20	PASS
			HV	NT	-1000	-0.176367	20	PASS
	Ant2	5670	NV	NT	-4000	-0.705467	20	PASS
			LV	NT	-1000	-0.176367	20	PASS
			HV	NT	2000	0.352734	20	PASS
	Ant1	5755	NV	NT	-8000	-1.390096	20	PASS
			LV	NT	-4000	-0.695048	20	PASS
			HV	NT	-1000	-0.173762	20	PASS
	Ant2	5755	NV	NT	-9000	-1.563858	20	PASS
			LV	NT	-5000	-0.86881	20	PASS
			HV	NT	-2000	-0.347524	20	PASS
	Ant1	5795	NV	NT	-8000	-1.3805	20	PASS
			LV	NT	-5000	-0.862813	20	PASS
			HV	NT	-2000	-0.345125	20	PASS

	Ant2	5795	NV	NT	-9000	-1.553063	20	PASS
			LV	NT	-5000	-0.862813	20	PASS
			HV	NT	-2000	-0.345125	20	PASS
11AC80MIMO	Ant1	5210	NV	NT	-13000	-2.495202	20	PASS
			LV	NT	-12000	-2.303263	20	PASS
			HV	NT	-10000	-1.919386	20	PASS
	Ant2	5210	NV	NT	-13000	-2.495202	20	PASS
			LV	NT	-12000	-2.303263	20	PASS
			HV	NT	-10000	-1.919386	20	PASS
	Ant1	5290	NV	NT	-13000	-2.457467	20	PASS
			LV	NT	-10000	-1.890359	20	PASS
			HV	NT	-8000	-1.512287	20	PASS
	Ant2	5290	NV	NT	-14000	-2.646503	20	PASS
			LV	NT	-12000	-2.268431	20	PASS
			HV	NT	-9000	-1.701323	20	PASS
	Ant1	5530	NV	NT	-13000	-2.350814	20	PASS
			LV	NT	-11000	-1.98915	20	PASS
			HV	NT	-8000	-1.446655	20	PASS
	Ant2	5530	NV	NT	-14000	-2.531646	20	PASS
			LV	NT	-11000	-1.98915	20	PASS
			HV	NT	-8000	-1.446655	20	PASS
	Ant1	5610	NV	NT	-14000	-2.495544	20	PASS
			LV	NT	-11000	-1.960784	20	PASS
			HV	NT	-8000	-1.426025	20	PASS
	Ant2	5610	NV	NT	-14000	-2.495544	20	PASS
			LV	NT	-12000	-2.139037	20	PASS
			HV	NT	-9000	-1.604278	20	PASS
	Ant1	5775	NV	NT	-14000	-2.424242	20	PASS
			LV	NT	-12000	-2.077922	20	PASS
			HV	NT	-9000	-1.558442	20	PASS
	Ant2	5775	NV	NT	-15000	-2.597403	20	PASS
			LV	NT	-13000	-2.251082	20	PASS
			HV	NT	-10000	-1.731602	20	PASS

Temperature								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (kHz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	ANT1	5180	NV	-30	-5000	-0.965251	20	PASS
11A	ANT1	5180	NV	-20	-4000	-0.772201	20	PASS
11A	ANT1	5180	NV	-10	-4000	-0.772201	20	PASS
11A	ANT1	5180	NV	0	-4000	-0.772201	20	PASS
11A	ANT1	5180	NV	10	-4000	-0.772201	20	PASS
11A	ANT1	5180	NV	20	-4000	-0.772201	20	PASS
11A	ANT1	5180	NV	30	-4000	-0.772201	20	PASS
11A	ANT1	5180	NV	40	-4000	-0.772201	20	PASS
11A	ANT1	5180	NV	50	-4000	-0.772201	20	PASS
11A	ANT2	5180	NV	-30	-9000	-1.737452	20	PASS
11A	ANT2	5180	NV	-20	-9000	-1.737452	20	PASS
11A	ANT2	5180	NV	-10	-8000	-1.544402	20	PASS
11A	ANT2	5180	NV	0	-7000	-1.351351	20	PASS
11A	ANT2	5180	NV	10	-7000	-1.351351	20	PASS

11A	ANT2	5180	NV	20	-6000	-1.158301	20	PASS
11A	ANT2	5180	NV	30	-6000	-1.158301	20	PASS
11A	ANT2	5180	NV	40	-5000	-0.965251	20	PASS
11A	ANT2	5180	NV	50	-5000	-0.965251	20	PASS
11A	ANT1	5200	NV	-30	-12000	-2.307692	20	PASS
11A	ANT1	5200	NV	-20	-11000	-2.115385	20	PASS
11A	ANT1	5200	NV	-10	-10000	-1.923077	20	PASS
11A	ANT1	5200	NV	0	-10000	-1.923077	20	PASS
11A	ANT1	5200	NV	10	-9000	-1.730769	20	PASS
11A	ANT1	5200	NV	20	-8000	-1.538462	20	PASS
11A	ANT1	5200	NV	30	-8000	-1.538462	20	PASS
11A	ANT1	5200	NV	40	-7000	-1.346154	20	PASS
11A	ANT1	5200	NV	50	-7000	-1.346154	20	PASS
11A	ANT2	5200	NV	-30	-11000	-2.115385	20	PASS
11A	ANT2	5200	NV	-20	-10000	-1.923077	20	PASS
11A	ANT2	5200	NV	-10	-9000	-1.730769	20	PASS
11A	ANT2	5200	NV	0	-9000	-1.730769	20	PASS
11A	ANT2	5200	NV	10	-8000	-1.538462	20	PASS
11A	ANT2	5200	NV	20	-7000	-1.346154	20	PASS
11A	ANT2	5200	NV	30	-7000	-1.346154	20	PASS
11A	ANT2	5200	NV	40	-6000	-1.153846	20	PASS
11A	ANT2	5200	NV	50	-6000	-1.153846	20	PASS
11A	ANT1	5240	NV	-30	-13000	-2.480916	20	PASS
11A	ANT1	5240	NV	-20	-12000	-2.290076	20	PASS
11A	ANT1	5240	NV	-10	-11000	-2.099237	20	PASS
11A	ANT1	5240	NV	0	-11000	-2.099237	20	PASS
11A	ANT1	5240	NV	10	-10000	-1.908397	20	PASS
11A	ANT1	5240	NV	20	-10000	-1.908397	20	PASS
11A	ANT1	5240	NV	30	-9000	-1.717557	20	PASS
11A	ANT1	5240	NV	40	-9000	-1.717557	20	PASS
11A	ANT1	5240	NV	50	-7000	-1.335878	20	PASS
11A	ANT2	5240	NV	-30	-11000	-2.099237	20	PASS
11A	ANT2	5240	NV	-20	-10000	-1.908397	20	PASS
11A	ANT2	5240	NV	-10	-10000	-1.908397	20	PASS
11A	ANT2	5240	NV	0	-9000	-1.717557	20	PASS
11A	ANT2	5240	NV	10	-8000	-1.526718	20	PASS
11A	ANT2	5240	NV	20	-8000	-1.526718	20	PASS
11A	ANT2	5240	NV	30	-7000	-1.335878	20	PASS
11A	ANT2	5240	NV	40	-7000	-1.335878	20	PASS
11A	ANT2	5240	NV	50	-6000	-1.145038	20	PASS
11A	ANT1	5260	NV	-30	-5000	-0.95057	20	PASS
11A	ANT1	5260	NV	-20	-5000	-0.95057	20	PASS
11A	ANT1	5260	NV	-10	-5000	-0.95057	20	PASS
11A	ANT1	5260	NV	0	-5000	-0.95057	20	PASS
11A	ANT1	5260	NV	10	-4000	-0.760456	20	PASS
11A	ANT1	5260	NV	20	-4000	-0.760456	20	PASS
11A	ANT1	5260	NV	30	-4000	-0.760456	20	PASS
11A	ANT1	5260	NV	40	-4000	-0.760456	20	PASS
11A	ANT1	5260	NV	50	-4000	-0.760456	20	PASS
11A	ANT2	5260	NV	-30	-13000	-2.471483	20	PASS
11A	ANT2	5260	NV	-20	-12000	-2.281369	20	PASS

11A	ANT2	5260	NV	-10	-11000	-2.091255	20	PASS
11A	ANT2	5260	NV	0	-11000	-2.091255	20	PASS
11A	ANT2	5260	NV	10	-10000	-1.901141	20	PASS
11A	ANT2	5260	NV	20	-10000	-1.901141	20	PASS
11A	ANT2	5260	NV	30	-10000	-1.901141	20	PASS
11A	ANT2	5260	NV	40	-9000	-1.711027	20	PASS
11A	ANT2	5260	NV	50	-9000	-1.711027	20	PASS
11A	ANT1	5280	NV	-30	-6000	-1.136364	20	PASS
11A	ANT1	5280	NV	-20	-5000	-0.94697	20	PASS
11A	ANT1	5280	NV	-10	-5000	-0.94697	20	PASS
11A	ANT1	5280	NV	0	-5000	-0.94697	20	PASS
11A	ANT1	5280	NV	10	-5000	-0.94697	20	PASS
11A	ANT1	5280	NV	20	-4000	-0.757576	20	PASS
11A	ANT1	5280	NV	30	-4000	-0.757576	20	PASS
11A	ANT1	5280	NV	40	-4000	-0.757576	20	PASS
11A	ANT1	5280	NV	50	-4000	-0.757576	20	PASS
11A	ANT2	5280	NV	-30	-13000	-2.462121	20	PASS
11A	ANT2	5280	NV	-20	-12000	-2.272727	20	PASS
11A	ANT2	5280	NV	-10	-11000	-2.083333	20	PASS
11A	ANT2	5280	NV	0	-11000	-2.083333	20	PASS
11A	ANT2	5280	NV	10	-10000	-1.893939	20	PASS
11A	ANT2	5280	NV	20	-10000	-1.893939	20	PASS
11A	ANT2	5280	NV	30	-9000	-1.704545	20	PASS
11A	ANT2	5280	NV	40	-9000	-1.704545	20	PASS
11A	ANT2	5280	NV	50	-9000	-1.704545	20	PASS
11A	ANT1	5320	NV	-30	-12000	-2.255639	20	PASS
11A	ANT1	5320	NV	-20	-11000	-2.067669	20	PASS
11A	ANT1	5320	NV	-10	-11000	-2.067669	20	PASS
11A	ANT1	5320	NV	0	-10000	-1.879699	20	PASS
11A	ANT1	5320	NV	10	-9000	-1.691729	20	PASS
11A	ANT1	5320	NV	20	-9000	-1.691729	20	PASS
11A	ANT1	5320	NV	30	-9000	-1.691729	20	PASS
11A	ANT1	5320	NV	40	-8000	-1.503759	20	PASS
11A	ANT1	5320	NV	50	-8000	-1.503759	20	PASS
11A	ANT2	5320	NV	-30	-13000	-2.443609	20	PASS
11A	ANT2	5320	NV	-20	-12000	-2.255639	20	PASS
11A	ANT2	5320	NV	-10	-11000	-2.067669	20	PASS
11A	ANT2	5320	NV	0	-11000	-2.067669	20	PASS
11A	ANT2	5320	NV	10	-10000	-1.879699	20	PASS
11A	ANT2	5320	NV	20	-10000	-1.879699	20	PASS
11A	ANT2	5320	NV	30	-10000	-1.879699	20	PASS
11A	ANT2	5320	NV	40	-9000	-1.691729	20	PASS
11A	ANT2	5320	NV	50	-9000	-1.691729	20	PASS
11A	ANT1	5500	NV	-30	-12000	-2.181818	20	PASS
11A	ANT1	5500	NV	-20	-11000	-2	20	PASS
11A	ANT1	5500	NV	-10	-10000	-1.818182	20	PASS
11A	ANT1	5500	NV	0	-9000	-1.636364	20	PASS
11A	ANT1	5500	NV	10	-9000	-1.636364	20	PASS
11A	ANT1	5500	NV	20	-8000	-1.454545	20	PASS
11A	ANT1	5500	NV	30	-8000	-1.454545	20	PASS
11A	ANT1	5500	NV	40	-7000	-1.272727	20	PASS

11A	ANT1	5500	NV	50	-7000	-1.272727	20	PASS
11A	ANT2	5500	NV	-30	-12000	-2.181818	20	PASS
11A	ANT2	5500	NV	-20	-11000	-2	20	PASS
11A	ANT2	5500	NV	-10	-10000	-1.818182	20	PASS
11A	ANT2	5500	NV	0	-10000	-1.818182	20	PASS
11A	ANT2	5500	NV	10	-9000	-1.636364	20	PASS
11A	ANT2	5500	NV	20	-9000	-1.636364	20	PASS
11A	ANT2	5500	NV	30	-8000	-1.454545	20	PASS
11A	ANT2	5500	NV	40	-8000	-1.454545	20	PASS
11A	ANT2	5500	NV	50	-7000	-1.272727	20	PASS
11A	ANT1	5580	NV	-30	-11000	-1.971326	20	PASS
11A	ANT1	5580	NV	-20	-10000	-1.792115	20	PASS
11A	ANT1	5580	NV	-10	-9000	-1.612903	20	PASS
11A	ANT1	5580	NV	0	-9000	-1.612903	20	PASS
11A	ANT1	5580	NV	10	-8000	-1.433692	20	PASS
11A	ANT1	5580	NV	20	-8000	-1.433692	20	PASS
11A	ANT1	5580	NV	30	-7000	-1.25448	20	PASS
11A	ANT1	5580	NV	40	-6000	-1.075269	20	PASS
11A	ANT1	5580	NV	50	-6000	-1.075269	20	PASS
11A	ANT2	5580	NV	-30	-12000	-2.150538	20	PASS
11A	ANT2	5580	NV	-20	-11000	-1.971326	20	PASS
11A	ANT2	5580	NV	-10	-10000	-1.792115	20	PASS
11A	ANT2	5580	NV	0	-9000	-1.612903	20	PASS
11A	ANT2	5580	NV	10	-9000	-1.612903	20	PASS
11A	ANT2	5580	NV	20	-8000	-1.433692	20	PASS
11A	ANT2	5580	NV	30	-8000	-1.433692	20	PASS
11A	ANT2	5580	NV	40	-7000	-1.25448	20	PASS
11A	ANT2	5580	NV	50	-7000	-1.25448	20	PASS
11A	ANT1	5700	NV	-30	-13000	-2.280702	20	PASS
11A	ANT1	5700	NV	-20	-12000	-2.105263	20	PASS
11A	ANT1	5700	NV	-10	-11000	-1.929825	20	PASS
11A	ANT1	5700	NV	0	-10000	-1.754386	20	PASS
11A	ANT1	5700	NV	10	-10000	-1.754386	20	PASS
11A	ANT1	5700	NV	20	-9000	-1.578947	20	PASS
11A	ANT1	5700	NV	30	-8000	-1.403509	20	PASS
11A	ANT1	5700	NV	40	-8000	-1.403509	20	PASS
11A	ANT1	5700	NV	50	-8000	-1.403509	20	PASS
11A	ANT2	5700	NV	-30	-11000	-1.929825	20	PASS
11A	ANT2	5700	NV	-20	-10000	-1.754386	20	PASS
11A	ANT2	5700	NV	-10	-10000	-1.754386	20	PASS
11A	ANT2	5700	NV	0	-9000	-1.578947	20	PASS
11A	ANT2	5700	NV	10	-8000	-1.403509	20	PASS
11A	ANT2	5700	NV	20	-8000	-1.403509	20	PASS
11A	ANT2	5700	NV	30	-7000	-1.22807	20	PASS
11A	ANT2	5700	NV	40	-7000	-1.22807	20	PASS
11A	ANT2	5700	NV	50	-6000	-1.052632	20	PASS
11A	ANT1	5745	NV	-30	-16000	-2.78503	20	PASS
11A	ANT1	5745	NV	-20	-16000	-2.78503	20	PASS
11A	ANT1	5745	NV	-10	-15000	-2.610966	20	PASS
11A	ANT1	5745	NV	0	-14000	-2.436902	20	PASS
11A	ANT1	5745	NV	10	-14000	-2.436902	20	PASS

11A	ANT1	5745	NV	20	-13000	-2.262837	20	PASS
11A	ANT1	5745	NV	30	-12000	-2.088773	20	PASS
11A	ANT1	5745	NV	40	-12000	-2.088773	20	PASS
11A	ANT1	5745	NV	50	-11000	-1.914708	20	PASS
11A	ANT2	5745	NV	-30	-9000	-1.56658	20	PASS
11A	ANT2	5745	NV	-20	-8000	-1.392515	20	PASS
11A	ANT2	5745	NV	-10	-7000	-1.218451	20	PASS
11A	ANT2	5745	NV	0	-7000	-1.218451	20	PASS
11A	ANT2	5745	NV	10	-6000	-1.044386	20	PASS
11A	ANT2	5745	NV	20	-6000	-1.044386	20	PASS
11A	ANT2	5745	NV	30	-5000	-0.870322	20	PASS
11A	ANT2	5745	NV	40	-5000	-0.870322	20	PASS
11A	ANT2	5745	NV	50	-5000	-0.870322	20	PASS
11A	ANT1	5785	NV	-30	-12000	-2.07433	20	PASS
11A	ANT1	5785	NV	-20	-11000	-1.901469	20	PASS
11A	ANT1	5785	NV	-10	-10000	-1.728608	20	PASS
11A	ANT1	5785	NV	0	-9000	-1.555748	20	PASS
11A	ANT1	5785	NV	10	-8000	-1.382887	20	PASS
11A	ANT1	5785	NV	20	-7000	-1.210026	20	PASS
11A	ANT1	5785	NV	30	-7000	-1.210026	20	PASS
11A	ANT1	5785	NV	40	-6000	-1.037165	20	PASS
11A	ANT1	5785	NV	50	-6000	-1.037165	20	PASS
11A	ANT2	5785	NV	-30	-12000	-2.07433	20	PASS
11A	ANT2	5785	NV	-20	-11000	-1.901469	20	PASS
11A	ANT2	5785	NV	-10	-10000	-1.728608	20	PASS
11A	ANT2	5785	NV	0	-9000	-1.555748	20	PASS
11A	ANT2	5785	NV	10	-8000	-1.382887	20	PASS
11A	ANT2	5785	NV	20	-7000	-1.210026	20	PASS
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11A	ANT2	5785	NV	40	-6000	-1.037165	20	PASS
11A	ANT2	5785	NV	50	-5000	-0.864304	20	PASS
11A	ANT1	5825	NV	-30	-11000	-1.888412	20	PASS
11A	ANT1	5825	NV	-20	-10000	-1.716738	20	PASS
11A	ANT1	5825	NV	-10	-9000	-1.545064	20	PASS
11A	ANT1	5825	NV	0	0	0	20	PASS
11A	ANT1	5825	NV	10	0	0	20	PASS
11A	ANT1	5825	NV	20	1000	0.171674	20	PASS
11A	ANT1	5825	NV	30	1000	0.171674	20	PASS
11A	ANT1	5825	NV	40	1000	0.171674	20	PASS
11A	ANT1	5825	NV	50	1000	0.171674	20	PASS
11A	ANT2	5825	NV	-30	-11000	-1.888412	20	PASS
11A	ANT2	5825	NV	-20	-10000	-1.716738	20	PASS
11A	ANT2	5825	NV	-10	-8000	-1.373391	20	PASS
11A	ANT2	5825	NV	0	-8000	-1.373391	20	PASS
11A	ANT2	5825	NV	10	-7000	-1.201717	20	PASS
11A	ANT2	5825	NV	20	-6000	-1.030043	20	PASS
11A	ANT2	5825	NV	30	-5000	-0.858369	20	PASS
11A	ANT2	5825	NV	40	-4000	-0.686695	20	PASS
11A	ANT2	5825	NV	50	-4000	-0.686695	20	PASS
11N20MIMO	ANT1	5180	NV	-30	0	0	20	PASS
11N20MIMO	ANT1	5180	NV	-20	1000	0.19305	20	PASS

11N20MIMO	ANT1	5180	NV	-10	3000	0.579151	20	PASS
11N20MIMO	ANT1	5180	NV	0	3000	0.579151	20	PASS
11N20MIMO	ANT1	5180	NV	10	4000	0.772201	20	PASS
11N20MIMO	ANT1	5180	NV	20	5000	0.965251	20	PASS
11N20MIMO	ANT1	5180	NV	30	6000	1.158301	20	PASS
11N20MIMO	ANT1	5180	NV	40	6000	1.158301	20	PASS
11N20MIMO	ANT1	5180	NV	50	7000	1.351351	20	PASS
11N20MIMO	ANT2	5180	NV	-30	1000	0.19305	20	PASS
11N20MIMO	ANT2	5180	NV	-20	3000	0.579151	20	PASS
11N20MIMO	ANT2	5180	NV	-10	4000	0.772201	20	PASS
11N20MIMO	ANT2	5180	NV	0	5000	0.965251	20	PASS
11N20MIMO	ANT2	5180	NV	10	6000	1.158301	20	PASS
11N20MIMO	ANT2	5180	NV	20	7000	1.351351	20	PASS
11N20MIMO	ANT2	5180	NV	30	8000	1.544402	20	PASS
11N20MIMO	ANT2	5180	NV	40	8000	1.544402	20	PASS
11N20MIMO	ANT2	5180	NV	50	9000	1.737452	20	PASS
11N20MIMO	ANT1	5200	NV	-30	-13000	-2.5	20	PASS
11N20MIMO	ANT1	5200	NV	-20	-12000	-2.307692	20	PASS
11N20MIMO	ANT1	5200	NV	-10	-11000	-2.115385	20	PASS
11N20MIMO	ANT1	5200	NV	0	-10000	-1.923077	20	PASS
11N20MIMO	ANT1	5200	NV	10	-8000	-1.538462	20	PASS
11N20MIMO	ANT1	5200	NV	20	-7000	-1.346154	20	PASS
11N20MIMO	ANT1	5200	NV	30	-7000	-1.346154	20	PASS
11N20MIMO	ANT1	5200	NV	40	-5000	-0.961538	20	PASS
11N20MIMO	ANT1	5200	NV	50	-5000	-0.961538	20	PASS
11N20MIMO	ANT2	5200	NV	-30	-3000	-0.576923	20	PASS
11N20MIMO	ANT2	5200	NV	-20	-1000	-0.192308	20	PASS
11N20MIMO	ANT2	5200	NV	-10	0	0	20	PASS
11N20MIMO	ANT2	5200	NV	0	2000	0.384615	20	PASS
11N20MIMO	ANT2	5200	NV	10	3000	0.576923	20	PASS
11N20MIMO	ANT2	5200	NV	20	4000	0.769231	20	PASS
11N20MIMO	ANT2	5200	NV	30	5000	0.961538	20	PASS
11N20MIMO	ANT2	5200	NV	40	6000	1.153846	20	PASS
11N20MIMO	ANT2	5200	NV	50	7000	1.346154	20	PASS
11N20MIMO	ANT1	5240	NV	-30	-3000	-0.572519	20	PASS
11N20MIMO	ANT1	5240	NV	-20	-1000	-0.19084	20	PASS
11N20MIMO	ANT1	5240	NV	-10	0	0	20	PASS
11N20MIMO	ANT1	5240	NV	0	1000	0.19084	20	PASS
11N20MIMO	ANT1	5240	NV	10	2000	0.381679	20	PASS
11N20MIMO	ANT1	5240	NV	20	3000	0.572519	20	PASS
11N20MIMO	ANT1	5240	NV	30	4000	0.763359	20	PASS
11N20MIMO	ANT1	5240	NV	40	5000	0.954198	20	PASS
11N20MIMO	ANT1	5240	NV	50	6000	1.145038	20	PASS
11N20MIMO	ANT2	5240	NV	-30	-2000	-0.381679	20	PASS
11N20MIMO	ANT2	5240	NV	-20	-1000	-0.19084	20	PASS
11N20MIMO	ANT2	5240	NV	-10	1000	0.19084	20	PASS
11N20MIMO	ANT2	5240	NV	0	2000	0.381679	20	PASS
11N20MIMO	ANT2	5240	NV	10	4000	0.763359	20	PASS
11N20MIMO	ANT2	5240	NV	20	5000	0.954198	20	PASS
11N20MIMO	ANT2	5240	NV	30	6000	1.145038	20	PASS
11N20MIMO	ANT2	5240	NV	40	6000	1.145038	20	PASS

11N20MIMO	ANT2	5240	NV	50	7000	1.335878	20	PASS
11N20MIMO	ANT1	5260	NV	-30	-6000	-1.140684	20	PASS
11N20MIMO	ANT1	5260	NV	-20	-4000	-0.760456	20	PASS
11N20MIMO	ANT1	5260	NV	-10	-3000	-0.570342	20	PASS
11N20MIMO	ANT1	5260	NV	0	-1000	-0.190114	20	PASS
11N20MIMO	ANT1	5260	NV	10	0	0	20	PASS
11N20MIMO	ANT1	5260	NV	20	1000	0.190114	20	PASS
11N20MIMO	ANT1	5260	NV	30	2000	0.380228	20	PASS
11N20MIMO	ANT1	5260	NV	40	2000	0.380228	20	PASS
11N20MIMO	ANT1	5260	NV	50	3000	0.570342	20	PASS
11N20MIMO	ANT2	5260	NV	-30	-6000	-1.140684	20	PASS
11N20MIMO	ANT2	5260	NV	-20	-4000	-0.760456	20	PASS
11N20MIMO	ANT2	5260	NV	-10	-3000	-0.570342	20	PASS
11N20MIMO	ANT2	5260	NV	0	-2000	-0.380228	20	PASS
11N20MIMO	ANT2	5260	NV	10	0	0	20	PASS
11N20MIMO	ANT2	5260	NV	20	1000	0.190114	20	PASS
11N20MIMO	ANT2	5260	NV	30	2000	0.380228	20	PASS
11N20MIMO	ANT2	5260	NV	40	2000	0.380228	20	PASS
11N20MIMO	ANT2	5260	NV	50	3000	0.570342	20	PASS
11N20MIMO	ANT1	5280	NV	-30	-6000	-1.136364	20	PASS
11N20MIMO	ANT1	5280	NV	-20	-4000	-0.757576	20	PASS
11N20MIMO	ANT1	5280	NV	-10	-3000	-0.568182	20	PASS
11N20MIMO	ANT1	5280	NV	0	-2000	-0.378788	20	PASS
11N20MIMO	ANT1	5280	NV	10	0	0	20	PASS
11N20MIMO	ANT1	5280	NV	20	1000	0.189394	20	PASS
11N20MIMO	ANT1	5280	NV	30	2000	0.378788	20	PASS
11N20MIMO	ANT1	5280	NV	40	2000	0.378788	20	PASS
11N20MIMO	ANT1	5280	NV	50	3000	0.568182	20	PASS
11N20MIMO	ANT2	5280	NV	-30	-4000	-0.757576	20	PASS
11N20MIMO	ANT2	5280	NV	-20	-2000	-0.378788	20	PASS
11N20MIMO	ANT2	5280	NV	-10	-1000	-0.189394	20	PASS
11N20MIMO	ANT2	5280	NV	0	0	0	20	PASS
11N20MIMO	ANT2	5280	NV	10	1000	0.189394	20	PASS
11N20MIMO	ANT2	5280	NV	20	2000	0.378788	20	PASS
11N20MIMO	ANT2	5280	NV	30	4000	0.757576	20	PASS
11N20MIMO	ANT2	5280	NV	40	4000	0.757576	20	PASS
11N20MIMO	ANT2	5280	NV	50	5000	0.94697	20	PASS
11N20MIMO	ANT1	5320	NV	-30	-11000	-2.067669	20	PASS
11N20MIMO	ANT1	5320	NV	-20	-11000	-2.067669	20	PASS
11N20MIMO	ANT1	5320	NV	-10	-10000	-1.879699	20	PASS
11N20MIMO	ANT1	5320	NV	0	-9000	-1.691729	20	PASS
11N20MIMO	ANT1	5320	NV	10	-9000	-1.691729	20	PASS
11N20MIMO	ANT1	5320	NV	20	-8000	-1.503759	20	PASS
11N20MIMO	ANT1	5320	NV	30	-8000	-1.503759	20	PASS
11N20MIMO	ANT1	5320	NV	40	-7000	-1.315789	20	PASS
11N20MIMO	ANT1	5320	NV	50	-7000	-1.315789	20	PASS
11N20MIMO	ANT2	5320	NV	-30	-9000	-1.691729	20	PASS
11N20MIMO	ANT2	5320	NV	-20	-8000	-1.503759	20	PASS
11N20MIMO	ANT2	5320	NV	-10	-8000	-1.503759	20	PASS
11N20MIMO	ANT2	5320	NV	0	-7000	-1.315789	20	PASS
11N20MIMO	ANT2	5320	NV	10	-6000	-1.12782	20	PASS

11N20MIMO	ANT2	5320	NV	20	-6000	-1.12782	20	PASS
11N20MIMO	ANT2	5320	NV	30	-5000	-0.93985	20	PASS
11N20MIMO	ANT2	5320	NV	40	-5000	-0.93985	20	PASS
11N20MIMO	ANT2	5320	NV	50	-4000	-0.75188	20	PASS
11N20MIMO	ANT1	5500	NV	-30	-7000	-1.272727	20	PASS
11N20MIMO	ANT1	5500	NV	-20	-6000	-1.090909	20	PASS
11N20MIMO	ANT1	5500	NV	-10	-4000	-0.727273	20	PASS
11N20MIMO	ANT1	5500	NV	0	-3000	-0.545455	20	PASS
11N20MIMO	ANT1	5500	NV	10	-2000	-0.363636	20	PASS
11N20MIMO	ANT1	5500	NV	20	-1000	-0.181818	20	PASS
11N20MIMO	ANT1	5500	NV	30	0	0	20	PASS
11N20MIMO	ANT1	5500	NV	40	0	0	20	PASS
11N20MIMO	ANT1	5500	NV	50	0	0	20	PASS
11N20MIMO	ANT2	5500	NV	-30	-9000	-1.636364	20	PASS
11N20MIMO	ANT2	5500	NV	-20	-8000	-1.454545	20	PASS
11N20MIMO	ANT2	5500	NV	-10	-7000	-1.272727	20	PASS
11N20MIMO	ANT2	5500	NV	0	-6000	-1.090909	20	PASS
11N20MIMO	ANT2	5500	NV	10	-5000	-0.909091	20	PASS
11N20MIMO	ANT2	5500	NV	20	-4000	-0.727273	20	PASS
11N20MIMO	ANT2	5500	NV	30	-4000	-0.727273	20	PASS
11N20MIMO	ANT2	5500	NV	40	-3000	-0.545455	20	PASS
11N20MIMO	ANT2	5500	NV	50	-2000	-0.363636	20	PASS
11N20MIMO	ANT1	5580	NV	-30	-4000	-0.716846	20	PASS
11N20MIMO	ANT1	5580	NV	-20	-2000	-0.358423	20	PASS
11N20MIMO	ANT1	5580	NV	-10	-1000	-0.179211	20	PASS
11N20MIMO	ANT1	5580	NV	0	1000	0.179211	20	PASS
11N20MIMO	ANT1	5580	NV	10	2000	0.358423	20	PASS
11N20MIMO	ANT1	5580	NV	20	3000	0.537634	20	PASS
11N20MIMO	ANT1	5580	NV	30	4000	0.716846	20	PASS
11N20MIMO	ANT1	5580	NV	40	5000	0.896057	20	PASS
11N20MIMO	ANT1	5580	NV	50	6000	1.075269	20	PASS
11N20MIMO	ANT2	5580	NV	-30	1000	0.179211	20	PASS
11N20MIMO	ANT2	5580	NV	-20	3000	0.537634	20	PASS
11N20MIMO	ANT2	5580	NV	-10	5000	0.896057	20	PASS
11N20MIMO	ANT2	5580	NV	0	6000	1.075269	20	PASS
11N20MIMO	ANT2	5580	NV	10	7000	1.25448	20	PASS
11N20MIMO	ANT2	5580	NV	20	8000	1.433692	20	PASS
11N20MIMO	ANT2	5580	NV	30	10000	1.792115	20	PASS
11N20MIMO	ANT2	5580	NV	40	10000	1.792115	20	PASS
11N20MIMO	ANT2	5580	NV	50	11000	1.971326	20	PASS
11N20MIMO	ANT1	5700	NV	-30	3000	0.526316	20	PASS
11N20MIMO	ANT1	5700	NV	-20	5000	0.877193	20	PASS
11N20MIMO	ANT1	5700	NV	-10	7000	1.22807	20	PASS
11N20MIMO	ANT1	5700	NV	0	8000	1.403509	20	PASS
11N20MIMO	ANT1	5700	NV	10	9000	1.578947	20	PASS
11N20MIMO	ANT1	5700	NV	20	10000	1.754386	20	PASS
11N20MIMO	ANT1	5700	NV	30	12000	2.105263	20	PASS
11N20MIMO	ANT1	5700	NV	40	12000	2.105263	20	PASS
11N20MIMO	ANT1	5700	NV	50	13000	2.280702	20	PASS
11N20MIMO	ANT2	5700	NV	-30	1000	0.175439	20	PASS
11N20MIMO	ANT2	5700	NV	-20	3000	0.526316	20	PASS

11N20MIMO	ANT2	5700	NV	-10	5000	0.877193	20	PASS
11N20MIMO	ANT2	5700	NV	0	7000	1.22807	20	PASS
11N20MIMO	ANT2	5700	NV	10	8000	1.403509	20	PASS
11N20MIMO	ANT2	5700	NV	20	10000	1.754386	20	PASS
11N20MIMO	ANT2	5700	NV	30	11000	1.929825	20	PASS
11N20MIMO	ANT2	5700	NV	40	12000	2.105263	20	PASS
11N20MIMO	ANT2	5700	NV	50	12000	2.105263	20	PASS
11N20MIMO	ANT1	5745	NV	-30	3000	0.522193	20	PASS
11N20MIMO	ANT1	5745	NV	-20	4000	0.696258	20	PASS
11N20MIMO	ANT1	5745	NV	-10	6000	1.044386	20	PASS
11N20MIMO	ANT1	5745	NV	0	6000	1.044386	20	PASS
11N20MIMO	ANT1	5745	NV	10	7000	1.218451	20	PASS
11N20MIMO	ANT1	5745	NV	20	8000	1.392515	20	PASS
11N20MIMO	ANT1	5745	NV	30	8000	1.392515	20	PASS
11N20MIMO	ANT1	5745	NV	40	9000	1.56658	20	PASS
11N20MIMO	ANT1	5745	NV	50	9000	1.56658	20	PASS
11N20MIMO	ANT2	5745	NV	-30	10000	1.740644	20	PASS
11N20MIMO	ANT2	5745	NV	-20	12000	2.088773	20	PASS
11N20MIMO	ANT2	5745	NV	-10	13000	2.262837	20	PASS
11N20MIMO	ANT2	5745	NV	0	14000	2.436902	20	PASS
11N20MIMO	ANT2	5745	NV	10	15000	2.610966	20	PASS
11N20MIMO	ANT2	5745	NV	20	16000	2.78503	20	PASS
11N20MIMO	ANT2	5745	NV	30	17000	2.959095	20	PASS
11N20MIMO	ANT2	5745	NV	40	17000	2.959095	20	PASS
11N20MIMO	ANT2	5745	NV	50	18000	3.133159	20	PASS
11N20MIMO	ANT1	5785	NV	-30	7000	1.210026	20	PASS
11N20MIMO	ANT1	5785	NV	-20	9000	1.555748	20	PASS
11N20MIMO	ANT1	5785	NV	-10	11000	1.901469	20	PASS
11N20MIMO	ANT1	5785	NV	0	13000	2.247191	20	PASS
11N20MIMO	ANT1	5785	NV	10	15000	2.592913	20	PASS
11N20MIMO	ANT1	5785	NV	20	17000	2.938634	20	PASS
11N20MIMO	ANT1	5785	NV	30	18000	3.111495	20	PASS
11N20MIMO	ANT1	5785	NV	40	18000	3.111495	20	PASS
11N20MIMO	ANT1	5785	NV	50	19000	3.284356	20	PASS
11N20MIMO	ANT2	5785	NV	-30	7000	1.210026	20	PASS
11N20MIMO	ANT2	5785	NV	-20	9000	1.555748	20	PASS
11N20MIMO	ANT2	5785	NV	-10	11000	1.901469	20	PASS
11N20MIMO	ANT2	5785	NV	0	13000	2.247191	20	PASS
11N20MIMO	ANT2	5785	NV	10	15000	2.592913	20	PASS
11N20MIMO	ANT2	5785	NV	20	16000	2.765774	20	PASS
11N20MIMO	ANT2	5785	NV	30	17000	2.938634	20	PASS
11N20MIMO	ANT2	5785	NV	40	18000	3.111495	20	PASS
11N20MIMO	ANT2	5785	NV	50	19000	3.284356	20	PASS
11N20MIMO	ANT1	5825	NV	-30	-4000	-0.686695	20	PASS
11N20MIMO	ANT1	5825	NV	-20	-1000	-0.171674	20	PASS
11N20MIMO	ANT1	5825	NV	-10	2000	0.343348	20	PASS
11N20MIMO	ANT1	5825	NV	0	4000	0.686695	20	PASS
11N20MIMO	ANT1	5825	NV	10	7000	1.201717	20	PASS
11N20MIMO	ANT1	5825	NV	20	9000	1.545064	20	PASS
11N20MIMO	ANT1	5825	NV	30	11000	1.888412	20	PASS
11N20MIMO	ANT1	5825	NV	40	12000	2.060086	20	PASS

11N20MIMO	ANT1	5825	NV	50	13000	2.23176	20	PASS
11N20MIMO	ANT2	5825	NV	-30	-16000	-2.746781	20	PASS
11N20MIMO	ANT2	5825	NV	-20	-15000	-2.575107	20	PASS
11N20MIMO	ANT2	5825	NV	-10	-14000	-2.403433	20	PASS
11N20MIMO	ANT2	5825	NV	0	-13000	-2.23176	20	PASS
11N20MIMO	ANT2	5825	NV	10	-13000	-2.23176	20	PASS
11N20MIMO	ANT2	5825	NV	20	-12000	-2.060086	20	PASS
11N20MIMO	ANT2	5825	NV	30	-11000	-1.888412	20	PASS
11N20MIMO	ANT2	5825	NV	40	-10000	-1.716738	20	PASS
11N20MIMO	ANT2	5825	NV	50	-10000	-1.716738	20	PASS
11N40MIMO	ANT1	5190	NV	-30	-12000	-2.312139	20	PASS
11N40MIMO	ANT1	5190	NV	-20	-11000	-2.119461	20	PASS
11N40MIMO	ANT1	5190	NV	-10	-9000	-1.734104	20	PASS
11N40MIMO	ANT1	5190	NV	0	-8000	-1.541426	20	PASS
11N40MIMO	ANT1	5190	NV	10	-8000	-1.541426	20	PASS
11N40MIMO	ANT1	5190	NV	20	-7000	-1.348748	20	PASS
11N40MIMO	ANT1	5190	NV	30	-6000	-1.156069	20	PASS
11N40MIMO	ANT1	5190	NV	40	-5000	-0.963391	20	PASS
11N40MIMO	ANT1	5190	NV	50	-4000	-0.770713	20	PASS
11N40MIMO	ANT2	5190	NV	-30	-7000	-1.348748	20	PASS
11N40MIMO	ANT2	5190	NV	-20	-6000	-1.156069	20	PASS
11N40MIMO	ANT2	5190	NV	-10	-5000	-0.963391	20	PASS
11N40MIMO	ANT2	5190	NV	0	-4000	-0.770713	20	PASS
11N40MIMO	ANT2	5190	NV	10	-3000	-0.578035	20	PASS
11N40MIMO	ANT2	5190	NV	20	-2000	-0.385356	20	PASS
11N40MIMO	ANT2	5190	NV	30	-2000	-0.385356	20	PASS
11N40MIMO	ANT2	5190	NV	40	-1000	-0.192678	20	PASS
11N40MIMO	ANT2	5190	NV	50	0	0	20	PASS
11N40MIMO	ANT1	5230	NV	-30	-10000	-1.912046	20	PASS
11N40MIMO	ANT1	5230	NV	-20	-8000	-1.529637	20	PASS
11N40MIMO	ANT1	5230	NV	-10	-7000	-1.338432	20	PASS
11N40MIMO	ANT1	5230	NV	0	-5000	-0.956023	20	PASS
11N40MIMO	ANT1	5230	NV	10	-4000	-0.764818	20	PASS
11N40MIMO	ANT1	5230	NV	20	-3000	-0.573614	20	PASS
11N40MIMO	ANT1	5230	NV	30	-2000	-0.382409	20	PASS
11N40MIMO	ANT1	5230	NV	40	-1000	-0.191205	20	PASS
11N40MIMO	ANT1	5230	NV	50	0	0	20	PASS
11N40MIMO	ANT2	5230	NV	-30	-9000	-1.720841	20	PASS
11N40MIMO	ANT2	5230	NV	-20	-8000	-1.529637	20	PASS
11N40MIMO	ANT2	5230	NV	-10	-6000	-1.147228	20	PASS
11N40MIMO	ANT2	5230	NV	0	-5000	-0.956023	20	PASS
11N40MIMO	ANT2	5230	NV	10	-3000	-0.573614	20	PASS
11N40MIMO	ANT2	5230	NV	20	-3000	-0.573614	20	PASS
11N40MIMO	ANT2	5230	NV	30	-2000	-0.382409	20	PASS
11N40MIMO	ANT2	5230	NV	40	-1000	-0.191205	20	PASS
11N40MIMO	ANT2	5230	NV	50	0	0	20	PASS
11N40MIMO	ANT1	5270	NV	-30	-7000	-1.328273	20	PASS
11N40MIMO	ANT1	5270	NV	-20	-5000	-0.948767	20	PASS
11N40MIMO	ANT1	5270	NV	-10	-3000	-0.56926	20	PASS
11N40MIMO	ANT1	5270	NV	0	-1000	-0.189753	20	PASS
11N40MIMO	ANT1	5270	NV	10	0	0	20	PASS

11N40MIMO	ANT1	5270	NV	20	2000	0.379507	20	PASS
11N40MIMO	ANT1	5270	NV	30	3000	0.56926	20	PASS
11N40MIMO	ANT1	5270	NV	40	5000	0.948767	20	PASS
11N40MIMO	ANT1	5270	NV	50	6000	1.13852	20	PASS
11N40MIMO	ANT2	5270	NV	-30	-4000	-0.759013	20	PASS
11N40MIMO	ANT2	5270	NV	-20	-3000	-0.56926	20	PASS
11N40MIMO	ANT2	5270	NV	-10	-2000	-0.379507	20	PASS
11N40MIMO	ANT2	5270	NV	0	0	0	20	PASS
11N40MIMO	ANT2	5270	NV	10	1000	0.189753	20	PASS
11N40MIMO	ANT2	5270	NV	20	2000	0.379507	20	PASS
11N40MIMO	ANT2	5270	NV	30	2000	0.379507	20	PASS
11N40MIMO	ANT2	5270	NV	40	3000	0.56926	20	PASS
11N40MIMO	ANT2	5270	NV	50	4000	0.759013	20	PASS
11N40MIMO	ANT1	5310	NV	-30	-8000	-1.506591	20	PASS
11N40MIMO	ANT1	5310	NV	-20	-6000	-1.129944	20	PASS
11N40MIMO	ANT1	5310	NV	-10	-4000	-0.753296	20	PASS
11N40MIMO	ANT1	5310	NV	0	-3000	-0.564972	20	PASS
11N40MIMO	ANT1	5310	NV	10	-1000	-0.188324	20	PASS
11N40MIMO	ANT1	5310	NV	20	0	0	20	PASS
11N40MIMO	ANT1	5310	NV	30	1000	0.188324	20	PASS
11N40MIMO	ANT1	5310	NV	40	2000	0.376648	20	PASS
11N40MIMO	ANT1	5310	NV	50	3000	0.564972	20	PASS
11N40MIMO	ANT2	5310	NV	-30	-8000	-1.506591	20	PASS
11N40MIMO	ANT2	5310	NV	-20	-6000	-1.129944	20	PASS
11N40MIMO	ANT2	5310	NV	-10	-4000	-0.753296	20	PASS
11N40MIMO	ANT2	5310	NV	0	-2000	-0.376648	20	PASS
11N40MIMO	ANT2	5310	NV	10	-1000	-0.188324	20	PASS
11N40MIMO	ANT2	5310	NV	20	0	0	20	PASS
11N40MIMO	ANT2	5310	NV	30	2000	0.376648	20	PASS
11N40MIMO	ANT2	5310	NV	40	3000	0.564972	20	PASS
11N40MIMO	ANT2	5310	NV	50	4000	0.753296	20	PASS
11N40MIMO	ANT1	5510	NV	-30	3000	0.544465	20	PASS
11N40MIMO	ANT1	5510	NV	-20	4000	0.725953	20	PASS
11N40MIMO	ANT1	5510	NV	-10	5000	0.907441	20	PASS
11N40MIMO	ANT1	5510	NV	0	6000	1.088929	20	PASS
11N40MIMO	ANT1	5510	NV	10	6000	1.088929	20	PASS
11N40MIMO	ANT1	5510	NV	20	7000	1.270417	20	PASS
11N40MIMO	ANT1	5510	NV	30	7000	1.270417	20	PASS
11N40MIMO	ANT1	5510	NV	40	8000	1.451906	20	PASS
11N40MIMO	ANT1	5510	NV	50	8000	1.451906	20	PASS
11N40MIMO	ANT2	5510	NV	-30	-5000	-0.907441	20	PASS
11N40MIMO	ANT2	5510	NV	-20	-3000	-0.544465	20	PASS
11N40MIMO	ANT2	5510	NV	-10	-1000	-0.181488	20	PASS
11N40MIMO	ANT2	5510	NV	0	1000	0.181488	20	PASS
11N40MIMO	ANT2	5510	NV	10	2000	0.362976	20	PASS
11N40MIMO	ANT2	5510	NV	20	4000	0.725953	20	PASS
11N40MIMO	ANT2	5510	NV	30	5000	0.907441	20	PASS
11N40MIMO	ANT2	5510	NV	40	6000	1.088929	20	PASS
11N40MIMO	ANT2	5510	NV	50	7000	1.270417	20	PASS
11N40MIMO	ANT1	5550	NV	-30	-4000	-0.720721	20	PASS
11N40MIMO	ANT1	5550	NV	-20	-2000	-0.36036	20	PASS

11N40MIMO	ANT1	5550	NV	-10	0	0	20	PASS
11N40MIMO	ANT1	5550	NV	0	2000	0.36036	20	PASS
11N40MIMO	ANT1	5550	NV	10	4000	0.720721	20	PASS
11N40MIMO	ANT1	5550	NV	20	5000	0.900901	20	PASS
11N40MIMO	ANT1	5550	NV	30	7000	1.261261	20	PASS
11N40MIMO	ANT1	5550	NV	40	8000	1.441441	20	PASS
11N40MIMO	ANT1	5550	NV	50	9000	1.621622	20	PASS
11N40MIMO	ANT2	5550	NV	-30	-4000	-0.720721	20	PASS
11N40MIMO	ANT2	5550	NV	-20	-2000	-0.36036	20	PASS
11N40MIMO	ANT2	5550	NV	-10	0	0	20	PASS
11N40MIMO	ANT2	5550	NV	0	2000	0.36036	20	PASS
11N40MIMO	ANT2	5550	NV	10	4000	0.720721	20	PASS
11N40MIMO	ANT2	5550	NV	20	5000	0.900901	20	PASS
11N40MIMO	ANT2	5550	NV	30	7000	1.261261	20	PASS
11N40MIMO	ANT2	5550	NV	40	8000	1.441441	20	PASS
11N40MIMO	ANT2	5550	NV	50	9000	1.621622	20	PASS
11N40MIMO	ANT1	5670	NV	-30	-3000	-0.529101	20	PASS
11N40MIMO	ANT1	5670	NV	-20	-1000	-0.176367	20	PASS
11N40MIMO	ANT1	5670	NV	-10	1000	0.176367	20	PASS
11N40MIMO	ANT1	5670	NV	0	3000	0.529101	20	PASS
11N40MIMO	ANT1	5670	NV	10	5000	0.881834	20	PASS
11N40MIMO	ANT1	5670	NV	20	6000	1.058201	20	PASS
11N40MIMO	ANT1	5670	NV	30	8000	1.410935	20	PASS
11N40MIMO	ANT1	5670	NV	40	9000	1.587302	20	PASS
11N40MIMO	ANT1	5670	NV	50	10000	1.763668	20	PASS
11N40MIMO	ANT2	5670	NV	-30	-4000	-0.705467	20	PASS
11N40MIMO	ANT2	5670	NV	-20	-2000	-0.352734	20	PASS
11N40MIMO	ANT2	5670	NV	-10	1000	0.176367	20	PASS
11N40MIMO	ANT2	5670	NV	0	3000	0.529101	20	PASS
11N40MIMO	ANT2	5670	NV	10	4000	0.705467	20	PASS
11N40MIMO	ANT2	5670	NV	20	6000	1.058201	20	PASS
11N40MIMO	ANT2	5670	NV	30	7000	1.234568	20	PASS
11N40MIMO	ANT2	5670	NV	40	9000	1.587302	20	PASS
11N40MIMO	ANT2	5670	NV	50	10000	1.763668	20	PASS
11N40MIMO	ANT1	5755	NV	-30	-13000	-2.258905	20	PASS
11N40MIMO	ANT1	5755	NV	-20	-12000	-2.085143	20	PASS
11N40MIMO	ANT1	5755	NV	-10	-11000	-1.911381	20	PASS
11N40MIMO	ANT1	5755	NV	0	-10000	-1.737619	20	PASS
11N40MIMO	ANT1	5755	NV	10	-9000	-1.563858	20	PASS
11N40MIMO	ANT1	5755	NV	20	-8000	-1.390096	20	PASS
11N40MIMO	ANT1	5755	NV	30	-7000	-1.216334	20	PASS
11N40MIMO	ANT1	5755	NV	40	-6000	-1.042572	20	PASS
11N40MIMO	ANT1	5755	NV	50	-5000	-0.86881	20	PASS
11N40MIMO	ANT2	5755	NV	-30	-11000	-1.911381	20	PASS
11N40MIMO	ANT2	5755	NV	-20	-10000	-1.737619	20	PASS
11N40MIMO	ANT2	5755	NV	-10	-8000	-1.390096	20	PASS
11N40MIMO	ANT2	5755	NV	0	-7000	-1.216334	20	PASS
11N40MIMO	ANT2	5755	NV	10	-5000	-0.86881	20	PASS
11N40MIMO	ANT2	5755	NV	20	-4000	-0.695048	20	PASS
11N40MIMO	ANT2	5755	NV	30	-3000	-0.521286	20	PASS
11N40MIMO	ANT2	5755	NV	40	-2000	-0.347524	20	PASS

11N40MIMO	ANT2	5755	NV	50	-1000	-0.173762	20	PASS
11N40MIMO	ANT1	5795	NV	-30	-8000	-1.3805	20	PASS
11N40MIMO	ANT1	5795	NV	-20	-7000	-1.207938	20	PASS
11N40MIMO	ANT1	5795	NV	-10	-5000	-0.862813	20	PASS
11N40MIMO	ANT1	5795	NV	0	-4000	-0.69025	20	PASS
11N40MIMO	ANT1	5795	NV	10	-3000	-0.517688	20	PASS
11N40MIMO	ANT1	5795	NV	20	-2000	-0.345125	20	PASS
11N40MIMO	ANT1	5795	NV	30	-1000	-0.172563	20	PASS
11N40MIMO	ANT1	5795	NV	40	0	0	20	PASS
11N40MIMO	ANT1	5795	NV	50	1000	0.172563	20	PASS
11N40MIMO	ANT2	5795	NV	-30	-7000	-1.207938	20	PASS
11N40MIMO	ANT2	5795	NV	-20	-5000	-0.862813	20	PASS
11N40MIMO	ANT2	5795	NV	-10	-3000	-0.517688	20	PASS
11N40MIMO	ANT2	5795	NV	0	-2000	-0.345125	20	PASS
11N40MIMO	ANT2	5795	NV	10	-1000	-0.172563	20	PASS
11N40MIMO	ANT2	5795	NV	20	0	0	20	PASS
11N40MIMO	ANT2	5795	NV	30	1000	0.172563	20	PASS
11N40MIMO	ANT2	5795	NV	40	2000	0.345125	20	PASS
11N40MIMO	ANT2	5795	NV	50	3000	0.517688	20	PASS
11AC20MIMO	ANT1	5180	NV	-30	-4000	-0.772201	20	PASS
11AC20MIMO	ANT1	5180	NV	-20	-3000	-0.579151	20	PASS
11AC20MIMO	ANT1	5180	NV	-10	-2000	-0.3861	20	PASS
11AC20MIMO	ANT1	5180	NV	0	-1000	-0.19305	20	PASS
11AC20MIMO	ANT1	5180	NV	10	0	0	20	PASS
11AC20MIMO	ANT1	5180	NV	20	1000	0.19305	20	PASS
11AC20MIMO	ANT1	5180	NV	30	2000	0.3861	20	PASS
11AC20MIMO	ANT1	5180	NV	40	2000	0.3861	20	PASS
11AC20MIMO	ANT1	5180	NV	50	3000	0.579151	20	PASS
11AC20MIMO	ANT2	5180	NV	-30	-5000	-0.965251	20	PASS
11AC20MIMO	ANT2	5180	NV	-20	-3000	-0.579151	20	PASS
11AC20MIMO	ANT2	5180	NV	-10	-2000	-0.3861	20	PASS
11AC20MIMO	ANT2	5180	NV	0	-1000	-0.19305	20	PASS
11AC20MIMO	ANT2	5180	NV	10	0	0	20	PASS
11AC20MIMO	ANT2	5180	NV	20	1000	0.19305	20	PASS
11AC20MIMO	ANT2	5180	NV	30	2000	0.3861	20	PASS
11AC20MIMO	ANT2	5180	NV	40	3000	0.579151	20	PASS
11AC20MIMO	ANT2	5180	NV	50	4000	0.772201	20	PASS
11AC20MIMO	ANT1	5200	NV	-30	-4000	-0.769231	20	PASS
11AC20MIMO	ANT1	5200	NV	-20	-2000	-0.384615	20	PASS
11AC20MIMO	ANT1	5200	NV	-10	-1000	-0.192308	20	PASS
11AC20MIMO	ANT1	5200	NV	0	0	0	20	PASS
11AC20MIMO	ANT1	5200	NV	10	2000	0.384615	20	PASS
11AC20MIMO	ANT1	5200	NV	20	3000	0.576923	20	PASS
11AC20MIMO	ANT1	5200	NV	30	3000	0.576923	20	PASS
11AC20MIMO	ANT1	5200	NV	40	4000	0.769231	20	PASS
11AC20MIMO	ANT1	5200	NV	50	5000	0.961538	20	PASS
11AC20MIMO	ANT2	5200	NV	-30	-4000	-0.769231	20	PASS
11AC20MIMO	ANT2	5200	NV	-20	-3000	-0.576923	20	PASS
11AC20MIMO	ANT2	5200	NV	-10	-1000	-0.192308	20	PASS
11AC20MIMO	ANT2	5200	NV	0	0	0	20	PASS
11AC20MIMO	ANT2	5200	NV	10	2000	0.384615	20	PASS

11AC20MIMO	ANT2	5200	NV	20	2000	0.384615	20	PASS
11AC20MIMO	ANT2	5200	NV	30	3000	0.576923	20	PASS
11AC20MIMO	ANT2	5200	NV	40	4000	0.769231	20	PASS
11AC20MIMO	ANT2	5200	NV	50	4000	0.769231	20	PASS
11AC20MIMO	ANT1	5240	NV	-30	-4000	-0.763359	20	PASS
11AC20MIMO	ANT1	5240	NV	-20	-2000	-0.381679	20	PASS
11AC20MIMO	ANT1	5240	NV	-10	-1000	-0.19084	20	PASS
11AC20MIMO	ANT1	5240	NV	0	1000	0.19084	20	PASS
11AC20MIMO	ANT1	5240	NV	10	2000	0.381679	20	PASS
11AC20MIMO	ANT1	5240	NV	20	3000	0.572519	20	PASS
11AC20MIMO	ANT1	5240	NV	30	4000	0.763359	20	PASS
11AC20MIMO	ANT1	5240	NV	40	4000	0.763359	20	PASS
11AC20MIMO	ANT1	5240	NV	50	5000	0.954198	20	PASS
11AC20MIMO	ANT2	5240	NV	-30	-4000	-0.763359	20	PASS
11AC20MIMO	ANT2	5240	NV	-20	-2000	-0.381679	20	PASS
11AC20MIMO	ANT2	5240	NV	-10	-1000	-0.19084	20	PASS
11AC20MIMO	ANT2	5240	NV	0	0	0	20	PASS
11AC20MIMO	ANT2	5240	NV	10	1000	0.19084	20	PASS
11AC20MIMO	ANT2	5240	NV	20	2000	0.381679	20	PASS
11AC20MIMO	ANT2	5240	NV	30	3000	0.572519	20	PASS
11AC20MIMO	ANT2	5240	NV	40	4000	0.763359	20	PASS
11AC20MIMO	ANT2	5240	NV	50	5000	0.954198	20	PASS
11AC20MIMO	ANT1	5260	NV	-30	0	0	20	PASS
11AC20MIMO	ANT1	5260	NV	-20	2000	0.380228	20	PASS
11AC20MIMO	ANT1	5260	NV	-10	4000	0.760456	20	PASS
11AC20MIMO	ANT1	5260	NV	0	5000	0.95057	20	PASS
11AC20MIMO	ANT1	5260	NV	10	7000	1.330798	20	PASS
11AC20MIMO	ANT1	5260	NV	20	8000	1.520913	20	PASS
11AC20MIMO	ANT1	5260	NV	30	9000	1.711027	20	PASS
11AC20MIMO	ANT1	5260	NV	40	10000	1.901141	20	PASS
11AC20MIMO	ANT1	5260	NV	50	11000	2.091255	20	PASS
11AC20MIMO	ANT2	5260	NV	-30	0	0	20	PASS
11AC20MIMO	ANT2	5260	NV	-20	2000	0.380228	20	PASS
11AC20MIMO	ANT2	5260	NV	-10	4000	0.760456	20	PASS
11AC20MIMO	ANT2	5260	NV	0	5000	0.95057	20	PASS
11AC20MIMO	ANT2	5260	NV	10	7000	1.330798	20	PASS
11AC20MIMO	ANT2	5260	NV	20	8000	1.520913	20	PASS
11AC20MIMO	ANT2	5260	NV	30	9000	1.711027	20	PASS
11AC20MIMO	ANT2	5260	NV	40	10000	1.901141	20	PASS
11AC20MIMO	ANT2	5260	NV	50	11000	2.091255	20	PASS
11AC20MIMO	ANT1	5280	NV	-30	-1000	-0.189394	20	PASS
11AC20MIMO	ANT1	5280	NV	-20	1000	0.189394	20	PASS
11AC20MIMO	ANT1	5280	NV	-10	2000	0.378788	20	PASS
11AC20MIMO	ANT1	5280	NV	0	4000	0.757576	20	PASS
11AC20MIMO	ANT1	5280	NV	10	5000	0.94697	20	PASS
11AC20MIMO	ANT1	5280	NV	20	6000	1.136364	20	PASS
11AC20MIMO	ANT1	5280	NV	30	8000	1.515152	20	PASS
11AC20MIMO	ANT1	5280	NV	40	8000	1.515152	20	PASS
11AC20MIMO	ANT1	5280	NV	50	9000	1.704545	20	PASS
11AC20MIMO	ANT2	5280	NV	-30	0	0	20	PASS
11AC20MIMO	ANT2	5280	NV	-20	2000	0.378788	20	PASS

11AC20MIMO	ANT2	5280	NV	-10	4000	0.757576	20	PASS
11AC20MIMO	ANT2	5280	NV	0	6000	1.136364	20	PASS
11AC20MIMO	ANT2	5280	NV	10	7000	1.325758	20	PASS
11AC20MIMO	ANT2	5280	NV	20	9000	1.704545	20	PASS
11AC20MIMO	ANT2	5280	NV	30	9000	1.704545	20	PASS
11AC20MIMO	ANT2	5280	NV	40	10000	1.893939	20	PASS
11AC20MIMO	ANT2	5280	NV	50	11000	2.083333	20	PASS
11AC20MIMO	ANT1	5320	NV	-30	1000	0.18797	20	PASS
11AC20MIMO	ANT1	5320	NV	-20	3000	0.56391	20	PASS
11AC20MIMO	ANT1	5320	NV	-10	5000	0.93985	20	PASS
11AC20MIMO	ANT1	5320	NV	0	6000	1.12782	20	PASS
11AC20MIMO	ANT1	5320	NV	10	8000	1.503759	20	PASS
11AC20MIMO	ANT1	5320	NV	20	9000	1.691729	20	PASS
11AC20MIMO	ANT1	5320	NV	30	10000	1.879699	20	PASS
11AC20MIMO	ANT1	5320	NV	40	11000	2.067669	20	PASS
11AC20MIMO	ANT1	5320	NV	50	11000	2.067669	20	PASS
11AC20MIMO	ANT2	5320	NV	-30	0	0	20	PASS
11AC20MIMO	ANT2	5320	NV	-20	2000	0.37594	20	PASS
11AC20MIMO	ANT2	5320	NV	-10	3000	0.56391	20	PASS
11AC20MIMO	ANT2	5320	NV	0	5000	0.93985	20	PASS
11AC20MIMO	ANT2	5320	NV	10	7000	1.315789	20	PASS
11AC20MIMO	ANT2	5320	NV	20	7000	1.315789	20	PASS
11AC20MIMO	ANT2	5320	NV	30	8000	1.503759	20	PASS
11AC20MIMO	ANT2	5320	NV	40	9000	1.691729	20	PASS
11AC20MIMO	ANT2	5320	NV	50	10000	1.879699	20	PASS
11AC20MIMO	ANT1	5500	NV	-30	8000	1.454545	20	PASS
11AC20MIMO	ANT1	5500	NV	-20	10000	1.818182	20	PASS
11AC20MIMO	ANT1	5500	NV	-10	12000	2.181818	20	PASS
11AC20MIMO	ANT1	5500	NV	0	13000	2.363636	20	PASS
11AC20MIMO	ANT1	5500	NV	10	14000	2.545455	20	PASS
11AC20MIMO	ANT1	5500	NV	20	15000	2.727273	20	PASS
11AC20MIMO	ANT1	5500	NV	30	16000	2.909091	20	PASS
11AC20MIMO	ANT1	5500	NV	40	17000	3.090909	20	PASS
11AC20MIMO	ANT1	5500	NV	50	17000	3.090909	20	PASS
11AC20MIMO	ANT2	5500	NV	-30	8000	1.454545	20	PASS
11AC20MIMO	ANT2	5500	NV	-20	10000	1.818182	20	PASS
11AC20MIMO	ANT2	5500	NV	-10	12000	2.181818	20	PASS
11AC20MIMO	ANT2	5500	NV	0	13000	2.363636	20	PASS
11AC20MIMO	ANT2	5500	NV	10	15000	2.727273	20	PASS
11AC20MIMO	ANT2	5500	NV	20	15000	2.727273	20	PASS
11AC20MIMO	ANT2	5500	NV	30	16000	2.909091	20	PASS
11AC20MIMO	ANT2	5500	NV	40	17000	3.090909	20	PASS
11AC20MIMO	ANT2	5500	NV	50	18000	3.272727	20	PASS
11AC20MIMO	ANT1	5580	NV	-30	10000	1.792115	20	PASS
11AC20MIMO	ANT1	5580	NV	-20	12000	2.150538	20	PASS
11AC20MIMO	ANT1	5580	NV	-10	14000	2.508961	20	PASS
11AC20MIMO	ANT1	5580	NV	0	15000	2.688172	20	PASS
11AC20MIMO	ANT1	5580	NV	10	16000	2.867384	20	PASS
11AC20MIMO	ANT1	5580	NV	20	17000	3.046595	20	PASS
11AC20MIMO	ANT1	5580	NV	30	18000	3.225806	20	PASS
11AC20MIMO	ANT1	5580	NV	40	19000	3.405018	20	PASS

11AC20MIMO	ANT1	5580	NV	50	19000	3.405018	20	PASS
11AC20MIMO	ANT2	5580	NV	-30	12000	2.150538	20	PASS
11AC20MIMO	ANT2	5580	NV	-20	13000	2.329749	20	PASS
11AC20MIMO	ANT2	5580	NV	-10	15000	2.688172	20	PASS
11AC20MIMO	ANT2	5580	NV	0	17000	3.046595	20	PASS
11AC20MIMO	ANT2	5580	NV	10	18000	3.225806	20	PASS
11AC20MIMO	ANT2	5580	NV	20	19000	3.405018	20	PASS
11AC20MIMO	ANT2	5580	NV	30	20000	3.584229	20	PASS
11AC20MIMO	ANT2	5580	NV	40	21000	3.763441	20	PASS
11AC20MIMO	ANT2	5580	NV	50	21000	3.763441	20	PASS
11AC20MIMO	ANT1	5700	NV	-30	13000	2.280702	20	PASS
11AC20MIMO	ANT1	5700	NV	-20	15000	2.631579	20	PASS
11AC20MIMO	ANT1	5700	NV	-10	17000	2.982456	20	PASS
11AC20MIMO	ANT1	5700	NV	0	19000	3.333333	20	PASS
11AC20MIMO	ANT1	5700	NV	10	20000	3.508772	20	PASS
11AC20MIMO	ANT1	5700	NV	20	21000	3.684211	20	PASS
11AC20MIMO	ANT1	5700	NV	30	22000	3.859649	20	PASS
11AC20MIMO	ANT1	5700	NV	40	23000	4.035088	20	PASS
11AC20MIMO	ANT1	5700	NV	50	24000	4.210526	20	PASS
11AC20MIMO	ANT2	5700	NV	-30	11000	1.929825	20	PASS
11AC20MIMO	ANT2	5700	NV	-20	13000	2.280702	20	PASS
11AC20MIMO	ANT2	5700	NV	-10	15000	2.631579	20	PASS
11AC20MIMO	ANT2	5700	NV	0	17000	2.982456	20	PASS
11AC20MIMO	ANT2	5700	NV	10	19000	3.333333	20	PASS
11AC20MIMO	ANT2	5700	NV	20	20000	3.508772	20	PASS
11AC20MIMO	ANT2	5700	NV	30	21000	3.684211	20	PASS
11AC20MIMO	ANT2	5700	NV	40	22000	3.859649	20	PASS
11AC20MIMO	ANT2	5700	NV	50	23000	4.035088	20	PASS
11AC20MIMO	ANT1	5745	NV	-30	3000	0.522193	20	PASS
11AC20MIMO	ANT1	5745	NV	-20	4000	0.696258	20	PASS
11AC20MIMO	ANT1	5745	NV	-10	6000	1.044386	20	PASS
11AC20MIMO	ANT1	5745	NV	0	7000	1.218451	20	PASS
11AC20MIMO	ANT1	5745	NV	10	8000	1.392515	20	PASS
11AC20MIMO	ANT1	5745	NV	20	9000	1.56658	20	PASS
11AC20MIMO	ANT1	5745	NV	30	10000	1.740644	20	PASS
11AC20MIMO	ANT1	5745	NV	40	11000	1.914708	20	PASS
11AC20MIMO	ANT1	5745	NV	50	12000	2.088773	20	PASS
11AC20MIMO	ANT2	5745	NV	-30	2000	0.348129	20	PASS
11AC20MIMO	ANT2	5745	NV	-20	4000	0.696258	20	PASS
11AC20MIMO	ANT2	5745	NV	-10	6000	1.044386	20	PASS
11AC20MIMO	ANT2	5745	NV	0	7000	1.218451	20	PASS
11AC20MIMO	ANT2	5745	NV	10	9000	1.56658	20	PASS
11AC20MIMO	ANT2	5745	NV	20	9000	1.56658	20	PASS
11AC20MIMO	ANT2	5745	NV	30	10000	1.740644	20	PASS
11AC20MIMO	ANT2	5745	NV	40	11000	1.914708	20	PASS
11AC20MIMO	ANT2	5745	NV	50	12000	2.088773	20	PASS
11AC20MIMO	ANT1	5785	NV	-30	3000	0.518583	20	PASS
11AC20MIMO	ANT1	5785	NV	-20	6000	1.037165	20	PASS
11AC20MIMO	ANT1	5785	NV	-10	7000	1.210026	20	PASS
11AC20MIMO	ANT1	5785	NV	0	9000	1.555748	20	PASS
11AC20MIMO	ANT1	5785	NV	10	10000	1.728608	20	PASS

11AC20MIMO	ANT1	5785	NV	20	11000	1.901469	20	PASS
11AC20MIMO	ANT1	5785	NV	30	13000	2.247191	20	PASS
11AC20MIMO	ANT1	5785	NV	40	13000	2.247191	20	PASS
11AC20MIMO	ANT1	5785	NV	50	14000	2.420052	20	PASS
11AC20MIMO	ANT2	5785	NV	-30	6000	1.037165	20	PASS
11AC20MIMO	ANT2	5785	NV	-20	9000	1.555748	20	PASS
11AC20MIMO	ANT2	5785	NV	-10	10000	1.728608	20	PASS
11AC20MIMO	ANT2	5785	NV	0	12000	2.07433	20	PASS
11AC20MIMO	ANT2	5785	NV	10	13000	2.247191	20	PASS
11AC20MIMO	ANT2	5785	NV	20	14000	2.420052	20	PASS
11AC20MIMO	ANT2	5785	NV	30	15000	2.592913	20	PASS
11AC20MIMO	ANT2	5785	NV	40	16000	2.765774	20	PASS
11AC20MIMO	ANT2	5785	NV	50	17000	2.938634	20	PASS
11AC20MIMO	ANT1	5825	NV	-30	8000	1.373391	20	PASS
11AC20MIMO	ANT1	5825	NV	-20	10000	1.716738	20	PASS
11AC20MIMO	ANT1	5825	NV	-10	12000	2.060086	20	PASS
11AC20MIMO	ANT1	5825	NV	0	14000	2.403433	20	PASS
11AC20MIMO	ANT1	5825	NV	10	15000	2.575107	20	PASS
11AC20MIMO	ANT1	5825	NV	20	16000	2.746781	20	PASS
11AC20MIMO	ANT1	5825	NV	30	18000	3.090129	20	PASS
11AC20MIMO	ANT1	5825	NV	40	18000	3.090129	20	PASS
11AC20MIMO	ANT1	5825	NV	50	19000	3.261803	20	PASS
11AC20MIMO	ANT2	5825	NV	-30	8000	1.373391	20	PASS
11AC20MIMO	ANT2	5825	NV	-20	10000	1.716738	20	PASS
11AC20MIMO	ANT2	5825	NV	-10	12000	2.060086	20	PASS
11AC20MIMO	ANT2	5825	NV	0	14000	2.403433	20	PASS
11AC20MIMO	ANT2	5825	NV	10	15000	2.575107	20	PASS
11AC20MIMO	ANT2	5825	NV	20	16000	2.746781	20	PASS
11AC20MIMO	ANT2	5825	NV	30	17000	2.918455	20	PASS
11AC20MIMO	ANT2	5825	NV	40	18000	3.090129	20	PASS
11AC20MIMO	ANT2	5825	NV	50	19000	3.261803	20	PASS
11AC40MIMO	ANT1	5190	NV	-30	-2000	-0.385356	20	PASS
11AC40MIMO	ANT1	5190	NV	-20	0	0	20	PASS
11AC40MIMO	ANT1	5190	NV	-10	2000	0.385356	20	PASS
11AC40MIMO	ANT1	5190	NV	0	3000	0.578035	20	PASS
11AC40MIMO	ANT1	5190	NV	10	5000	0.963391	20	PASS
11AC40MIMO	ANT1	5190	NV	20	6000	1.156069	20	PASS
11AC40MIMO	ANT1	5190	NV	30	7000	1.348748	20	PASS
11AC40MIMO	ANT1	5190	NV	40	8000	1.541426	20	PASS
11AC40MIMO	ANT1	5190	NV	50	9000	1.734104	20	PASS
11AC40MIMO	ANT2	5190	NV	-30	-2000	-0.385356	20	PASS
11AC40MIMO	ANT2	5190	NV	-20	0	0	20	PASS
11AC40MIMO	ANT2	5190	NV	-10	1000	0.192678	20	PASS
11AC40MIMO	ANT2	5190	NV	0	3000	0.578035	20	PASS
11AC40MIMO	ANT2	5190	NV	10	4000	0.770713	20	PASS
11AC40MIMO	ANT2	5190	NV	20	5000	0.963391	20	PASS
11AC40MIMO	ANT2	5190	NV	30	6000	1.156069	20	PASS
11AC40MIMO	ANT2	5190	NV	40	7000	1.348748	20	PASS
11AC40MIMO	ANT2	5190	NV	50	7000	1.348748	20	PASS
11AC40MIMO	ANT1	5230	NV	-30	-3000	-0.573614	20	PASS
11AC40MIMO	ANT1	5230	NV	-20	-1000	-0.191205	20	PASS

11AC40MIMO	ANT1	5230	NV	-10	1000	0.191205	20	PASS
11AC40MIMO	ANT1	5230	NV	0	2000	0.382409	20	PASS
11AC40MIMO	ANT1	5230	NV	10	3000	0.573614	20	PASS
11AC40MIMO	ANT1	5230	NV	20	4000	0.764818	20	PASS
11AC40MIMO	ANT1	5230	NV	30	5000	0.956023	20	PASS
11AC40MIMO	ANT1	5230	NV	40	6000	1.147228	20	PASS
11AC40MIMO	ANT1	5230	NV	50	7000	1.338432	20	PASS
11AC40MIMO	ANT2	5230	NV	-30	-3000	-0.573614	20	PASS
11AC40MIMO	ANT2	5230	NV	-20	-1000	-0.191205	20	PASS
11AC40MIMO	ANT2	5230	NV	-10	1000	0.191205	20	PASS
11AC40MIMO	ANT2	5230	NV	0	2000	0.382409	20	PASS
11AC40MIMO	ANT2	5230	NV	10	4000	0.764818	20	PASS
11AC40MIMO	ANT2	5230	NV	20	5000	0.956023	20	PASS
11AC40MIMO	ANT2	5230	NV	30	6000	1.147228	20	PASS
11AC40MIMO	ANT2	5230	NV	40	7000	1.338432	20	PASS
11AC40MIMO	ANT2	5230	NV	50	7000	1.338432	20	PASS
11AC40MIMO	ANT1	5270	NV	-30	-1000	-0.189753	20	PASS
11AC40MIMO	ANT1	5270	NV	-20	2000	0.379507	20	PASS
11AC40MIMO	ANT1	5270	NV	-10	4000	0.759013	20	PASS
11AC40MIMO	ANT1	5270	NV	0	5000	0.948767	20	PASS
11AC40MIMO	ANT1	5270	NV	10	7000	1.328273	20	PASS
11AC40MIMO	ANT1	5270	NV	20	8000	1.518027	20	PASS
11AC40MIMO	ANT1	5270	NV	30	10000	1.897533	20	PASS
11AC40MIMO	ANT1	5270	NV	40	11000	2.087287	20	PASS
11AC40MIMO	ANT1	5270	NV	50	12000	2.27704	20	PASS
11AC40MIMO	ANT2	5270	NV	-30	4000	0.759013	20	PASS
11AC40MIMO	ANT2	5270	NV	-20	6000	1.13852	20	PASS
11AC40MIMO	ANT2	5270	NV	-10	7000	1.328273	20	PASS
11AC40MIMO	ANT2	5270	NV	0	8000	1.518027	20	PASS
11AC40MIMO	ANT2	5270	NV	10	9000	1.70778	20	PASS
11AC40MIMO	ANT2	5270	NV	20	10000	1.897533	20	PASS
11AC40MIMO	ANT2	5270	NV	30	11000	2.087287	20	PASS
11AC40MIMO	ANT2	5270	NV	40	12000	2.27704	20	PASS
11AC40MIMO	ANT2	5270	NV	50	12000	2.27704	20	PASS
11AC40MIMO	ANT1	5310	NV	-30	-2000	-0.376648	20	PASS
11AC40MIMO	ANT1	5310	NV	-20	1000	0.188324	20	PASS
11AC40MIMO	ANT1	5310	NV	-10	3000	0.564972	20	PASS
11AC40MIMO	ANT1	5310	NV	0	4000	0.753296	20	PASS
11AC40MIMO	ANT1	5310	NV	10	6000	1.129944	20	PASS
11AC40MIMO	ANT1	5310	NV	20	7000	1.318267	20	PASS
11AC40MIMO	ANT1	5310	NV	30	8000	1.506591	20	PASS
11AC40MIMO	ANT1	5310	NV	40	10000	1.883239	20	PASS
11AC40MIMO	ANT1	5310	NV	50	10000	1.883239	20	PASS
11AC40MIMO	ANT2	5310	NV	-30	-2000	-0.376648	20	PASS
11AC40MIMO	ANT2	5310	NV	-20	0	0	20	PASS
11AC40MIMO	ANT2	5310	NV	-10	2000	0.376648	20	PASS
11AC40MIMO	ANT2	5310	NV	0	4000	0.753296	20	PASS
11AC40MIMO	ANT2	5310	NV	10	6000	1.129944	20	PASS
11AC40MIMO	ANT2	5310	NV	20	7000	1.318267	20	PASS
11AC40MIMO	ANT2	5310	NV	30	8000	1.506591	20	PASS
11AC40MIMO	ANT2	5310	NV	40	9000	1.694915	20	PASS

11AC40MIMO	ANT2	5310	NV	50	10000	1.883239	20	PASS
11AC40MIMO	ANT1	5510	NV	-30	1000	0.181488	20	PASS
11AC40MIMO	ANT1	5510	NV	-20	3000	0.544465	20	PASS
11AC40MIMO	ANT1	5510	NV	-10	5000	0.907441	20	PASS
11AC40MIMO	ANT1	5510	NV	0	7000	1.270417	20	PASS
11AC40MIMO	ANT1	5510	NV	10	9000	1.633394	20	PASS
11AC40MIMO	ANT1	5510	NV	20	10000	1.814882	20	PASS
11AC40MIMO	ANT1	5510	NV	30	12000	2.177858	20	PASS
11AC40MIMO	ANT1	5510	NV	40	12000	2.177858	20	PASS
11AC40MIMO	ANT1	5510	NV	50	13000	2.359347	20	PASS
11AC40MIMO	ANT2	5510	NV	-30	1000	0.181488	20	PASS
11AC40MIMO	ANT2	5510	NV	-20	4000	0.725953	20	PASS
11AC40MIMO	ANT2	5510	NV	-10	6000	1.088929	20	PASS
11AC40MIMO	ANT2	5510	NV	0	8000	1.451906	20	PASS
11AC40MIMO	ANT2	5510	NV	10	9000	1.633394	20	PASS
11AC40MIMO	ANT2	5510	NV	20	10000	1.814882	20	PASS
11AC40MIMO	ANT2	5510	NV	30	12000	2.177858	20	PASS
11AC40MIMO	ANT2	5510	NV	40	13000	2.359347	20	PASS
11AC40MIMO	ANT2	5510	NV	50	13000	2.359347	20	PASS
11AC40MIMO	ANT1	5550	NV	-30	3000	0.540541	20	PASS
11AC40MIMO	ANT1	5550	NV	-20	6000	1.081081	20	PASS
11AC40MIMO	ANT1	5550	NV	-10	7000	1.261261	20	PASS
11AC40MIMO	ANT1	5550	NV	0	9000	1.621622	20	PASS
11AC40MIMO	ANT1	5550	NV	10	11000	1.981982	20	PASS
11AC40MIMO	ANT1	5550	NV	20	12000	2.162162	20	PASS
11AC40MIMO	ANT1	5550	NV	30	14000	2.522523	20	PASS
11AC40MIMO	ANT1	5550	NV	40	15000	2.702703	20	PASS
11AC40MIMO	ANT1	5550	NV	50	16000	2.882883	20	PASS
11AC40MIMO	ANT2	5550	NV	-30	1000	0.18018	20	PASS
11AC40MIMO	ANT2	5550	NV	-20	4000	0.720721	20	PASS
11AC40MIMO	ANT2	5550	NV	-10	6000	1.081081	20	PASS
11AC40MIMO	ANT2	5550	NV	0	8000	1.441441	20	PASS
11AC40MIMO	ANT2	5550	NV	10	10000	1.801802	20	PASS
11AC40MIMO	ANT2	5550	NV	20	11000	1.981982	20	PASS
11AC40MIMO	ANT2	5550	NV	30	12000	2.162162	20	PASS
11AC40MIMO	ANT2	5550	NV	40	13000	2.342342	20	PASS
11AC40MIMO	ANT2	5550	NV	50	14000	2.522523	20	PASS
11AC40MIMO	ANT1	5670	NV	-30	2000	0.352734	20	PASS
11AC40MIMO	ANT1	5670	NV	-20	5000	0.881834	20	PASS
11AC40MIMO	ANT1	5670	NV	-10	7000	1.234568	20	PASS
11AC40MIMO	ANT1	5670	NV	0	9000	1.587302	20	PASS
11AC40MIMO	ANT1	5670	NV	10	10000	1.763668	20	PASS
11AC40MIMO	ANT1	5670	NV	20	12000	2.116402	20	PASS
11AC40MIMO	ANT1	5670	NV	30	13000	2.292769	20	PASS
11AC40MIMO	ANT1	5670	NV	40	14000	2.469136	20	PASS
11AC40MIMO	ANT1	5670	NV	50	15000	2.645503	20	PASS
11AC40MIMO	ANT2	5670	NV	-30	5000	0.881834	20	PASS
11AC40MIMO	ANT2	5670	NV	-20	8000	1.410935	20	PASS
11AC40MIMO	ANT2	5670	NV	-10	9000	1.587302	20	PASS
11AC40MIMO	ANT2	5670	NV	0	11000	1.940035	20	PASS
11AC40MIMO	ANT2	5670	NV	10	12000	2.116402	20	PASS

11AC40MIMO	ANT2	5670	NV	20	14000	2.469136	20	PASS
11AC40MIMO	ANT2	5670	NV	30	15000	2.645503	20	PASS
11AC40MIMO	ANT2	5670	NV	40	16000	2.821869	20	PASS
11AC40MIMO	ANT2	5670	NV	50	17000	2.998236	20	PASS
11AC40MIMO	ANT1	5755	NV	-30	2000	0.347524	20	PASS
11AC40MIMO	ANT1	5755	NV	-20	5000	0.86881	20	PASS
11AC40MIMO	ANT1	5755	NV	-10	7000	1.216334	20	PASS
11AC40MIMO	ANT1	5755	NV	0	9000	1.563858	20	PASS
11AC40MIMO	ANT1	5755	NV	10	10000	1.737619	20	PASS
11AC40MIMO	ANT1	5755	NV	20	12000	2.085143	20	PASS
11AC40MIMO	ANT1	5755	NV	30	13000	2.258905	20	PASS
11AC40MIMO	ANT1	5755	NV	40	14000	2.432667	20	PASS
11AC40MIMO	ANT1	5755	NV	50	15000	2.606429	20	PASS
11AC40MIMO	ANT2	5755	NV	-30	1000	0.173762	20	PASS
11AC40MIMO	ANT2	5755	NV	-20	3000	0.521286	20	PASS
11AC40MIMO	ANT2	5755	NV	-10	5000	0.86881	20	PASS
11AC40MIMO	ANT2	5755	NV	0	8000	1.390096	20	PASS
11AC40MIMO	ANT2	5755	NV	10	9000	1.563858	20	PASS
11AC40MIMO	ANT2	5755	NV	20	10000	1.737619	20	PASS
11AC40MIMO	ANT2	5755	NV	30	12000	2.085143	20	PASS
11AC40MIMO	ANT2	5755	NV	40	13000	2.258905	20	PASS
11AC40MIMO	ANT2	5755	NV	50	14000	2.432667	20	PASS
11AC40MIMO	ANT1	5795	NV	-30	1000	0.172563	20	PASS
11AC40MIMO	ANT1	5795	NV	-20	3000	0.517688	20	PASS
11AC40MIMO	ANT1	5795	NV	-10	5000	0.862813	20	PASS
11AC40MIMO	ANT1	5795	NV	0	7000	1.207938	20	PASS
11AC40MIMO	ANT1	5795	NV	10	8000	1.3805	20	PASS
11AC40MIMO	ANT1	5795	NV	20	9000	1.553063	20	PASS
11AC40MIMO	ANT1	5795	NV	30	10000	1.725626	20	PASS
11AC40MIMO	ANT1	5795	NV	40	11000	1.898188	20	PASS
11AC40MIMO	ANT1	5795	NV	50	12000	2.070751	20	PASS
11AC40MIMO	ANT2	5795	NV	-30	1000	0.172563	20	PASS
11AC40MIMO	ANT2	5795	NV	-20	3000	0.517688	20	PASS
11AC40MIMO	ANT2	5795	NV	-10	5000	0.862813	20	PASS
11AC40MIMO	ANT2	5795	NV	0	7000	1.207938	20	PASS
11AC40MIMO	ANT2	5795	NV	10	8000	1.3805	20	PASS
11AC40MIMO	ANT2	5795	NV	20	9000	1.553063	20	PASS
11AC40MIMO	ANT2	5795	NV	30	11000	1.898188	20	PASS
11AC40MIMO	ANT2	5795	NV	40	12000	2.070751	20	PASS
11AC40MIMO	ANT2	5795	NV	50	13000	2.243313	20	PASS
11AC80MIMO	ANT1	5210	NV	-30	-8000	-1.535509	20	PASS
11AC80MIMO	ANT1	5210	NV	-20	-6000	-1.151631	20	PASS
11AC80MIMO	ANT1	5210	NV	-10	-4000	-0.767754	20	PASS
11AC80MIMO	ANT1	5210	NV	0	-3000	-0.575816	20	PASS
11AC80MIMO	ANT1	5210	NV	10	-1000	-0.191939	20	PASS
11AC80MIMO	ANT1	5210	NV	20	0	0	20	PASS
11AC80MIMO	ANT1	5210	NV	30	1000	0.191939	20	PASS
11AC80MIMO	ANT1	5210	NV	40	2000	0.383877	20	PASS
11AC80MIMO	ANT1	5210	NV	50	3000	0.575816	20	PASS
11AC80MIMO	ANT2	5210	NV	-30	-8000	-1.535509	20	PASS
11AC80MIMO	ANT2	5210	NV	-20	-6000	-1.151631	20	PASS

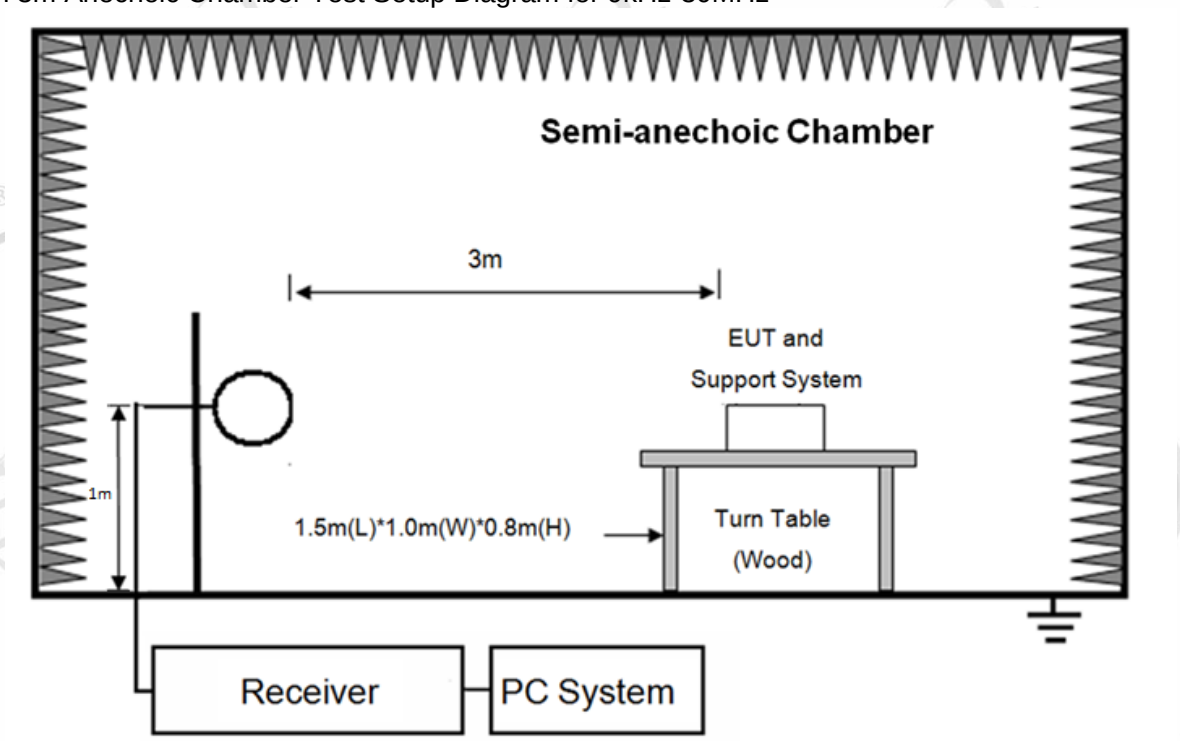
11AC80MIMO	ANT2	5210	NV	-10	-4000	-0.767754	20	PASS
11AC80MIMO	ANT2	5210	NV	0	-3000	-0.575816	20	PASS
11AC80MIMO	ANT2	5210	NV	10	-1000	-0.191939	20	PASS
11AC80MIMO	ANT2	5210	NV	20	0	0	20	PASS
11AC80MIMO	ANT2	5210	NV	30	1000	0.191939	20	PASS
11AC80MIMO	ANT2	5210	NV	40	2000	0.383877	20	PASS
11AC80MIMO	ANT2	5210	NV	50	3000	0.575816	20	PASS
11AC80MIMO	ANT1	5290	NV	-30	-5000	-0.94518	20	PASS
11AC80MIMO	ANT1	5290	NV	-20	-3000	-0.567108	20	PASS
11AC80MIMO	ANT1	5290	NV	-10	-1000	-0.189036	20	PASS
11AC80MIMO	ANT1	5290	NV	0	1000	0.189036	20	PASS
11AC80MIMO	ANT1	5290	NV	10	3000	0.567108	20	PASS
11AC80MIMO	ANT1	5290	NV	20	4000	0.756144	20	PASS
11AC80MIMO	ANT1	5290	NV	30	5000	0.94518	20	PASS
11AC80MIMO	ANT1	5290	NV	40	6000	1.134216	20	PASS
11AC80MIMO	ANT1	5290	NV	50	8000	1.512287	20	PASS
11AC80MIMO	ANT2	5290	NV	-30	-7000	-1.323251	20	PASS
11AC80MIMO	ANT2	5290	NV	-20	-4000	-0.756144	20	PASS
11AC80MIMO	ANT2	5290	NV	-10	-2000	-0.378072	20	PASS
11AC80MIMO	ANT2	5290	NV	0	0	0	20	PASS
11AC80MIMO	ANT2	5290	NV	10	2000	0.378072	20	PASS
11AC80MIMO	ANT2	5290	NV	20	3000	0.567108	20	PASS
11AC80MIMO	ANT2	5290	NV	30	5000	0.94518	20	PASS
11AC80MIMO	ANT2	5290	NV	40	6000	1.134216	20	PASS
11AC80MIMO	ANT2	5290	NV	50	7000	1.323251	20	PASS
11AC80MIMO	ANT1	5530	NV	-30	-5000	-0.904159	20	PASS
11AC80MIMO	ANT1	5530	NV	-20	-3000	-0.542495	20	PASS
11AC80MIMO	ANT1	5530	NV	-10	-1000	-0.180832	20	PASS
11AC80MIMO	ANT1	5530	NV	0	1000	0.180832	20	PASS
11AC80MIMO	ANT1	5530	NV	10	2000	0.361664	20	PASS
11AC80MIMO	ANT1	5530	NV	20	4000	0.723327	20	PASS
11AC80MIMO	ANT1	5530	NV	30	5000	0.904159	20	PASS
11AC80MIMO	ANT1	5530	NV	40	6000	1.084991	20	PASS
11AC80MIMO	ANT1	5530	NV	50	7000	1.265823	20	PASS
11AC80MIMO	ANT2	5530	NV	-30	-6000	-1.084991	20	PASS
11AC80MIMO	ANT2	5530	NV	-20	-3000	-0.542495	20	PASS
11AC80MIMO	ANT2	5530	NV	-10	-1000	-0.180832	20	PASS
11AC80MIMO	ANT2	5530	NV	0	1000	0.180832	20	PASS
11AC80MIMO	ANT2	5530	NV	10	3000	0.542495	20	PASS
11AC80MIMO	ANT2	5530	NV	20	4000	0.723327	20	PASS
11AC80MIMO	ANT2	5530	NV	30	5000	0.904159	20	PASS
11AC80MIMO	ANT2	5530	NV	40	7000	1.265823	20	PASS
11AC80MIMO	ANT2	5530	NV	50	8000	1.446655	20	PASS
11AC80MIMO	ANT1	5530	NV	-30	-5000	-0.891266	20	PASS
11AC80MIMO	ANT1	5530	NV	-20	-2000	-0.356506	20	PASS
11AC80MIMO	ANT1	5530	NV	-10	0	0	20	PASS
11AC80MIMO	ANT1	5530	NV	0	3000	0.534759	20	PASS
11AC80MIMO	ANT1	5530	NV	10	4000	0.713012	20	PASS
11AC80MIMO	ANT1	5530	NV	20	6000	1.069519	20	PASS
11AC80MIMO	ANT1	5530	NV	30	8000	1.426025	20	PASS
11AC80MIMO	ANT1	5530	NV	40	9000	1.604278	20	PASS

11AC80MIMO	ANT1	5530	NV	50	10000	1.782531	20	PASS
11AC80MIMO	ANT2	5530	NV	-30	-6000	-1.069519	20	PASS
11AC80MIMO	ANT2	5530	NV	-20	-3000	-0.534759	20	PASS
11AC80MIMO	ANT2	5530	NV	-10	-1000	-0.178253	20	PASS
11AC80MIMO	ANT2	5530	NV	0	1000	0.178253	20	PASS
11AC80MIMO	ANT2	5530	NV	10	3000	0.534759	20	PASS
11AC80MIMO	ANT2	5530	NV	20	5000	0.891266	20	PASS
11AC80MIMO	ANT2	5530	NV	30	6000	1.069519	20	PASS
11AC80MIMO	ANT2	5530	NV	40	8000	1.426025	20	PASS
11AC80MIMO	ANT2	5530	NV	50	9000	1.604278	20	PASS
11AC80MIMO	ANT1	5775	NV	-30	-7000	-1.212121	20	PASS
11AC80MIMO	ANT1	5775	NV	-20	-4000	-0.692641	20	PASS
11AC80MIMO	ANT1	5775	NV	-10	-2000	-0.34632	20	PASS
11AC80MIMO	ANT1	5775	NV	0	0	0	20	PASS
11AC80MIMO	ANT1	5775	NV	10	2000	0.34632	20	PASS
11AC80MIMO	ANT1	5775	NV	20	3000	0.519481	20	PASS
11AC80MIMO	ANT1	5775	NV	30	4000	0.692641	20	PASS
11AC80MIMO	ANT1	5775	NV	40	6000	1.038961	20	PASS
11AC80MIMO	ANT1	5775	NV	50	7000	1.212121	20	PASS
11AC80MIMO	ANT2	5775	NV	-30	-8000	-1.385281	20	PASS
11AC80MIMO	ANT2	5775	NV	-20	-5000	-0.865801	20	PASS
11AC80MIMO	ANT2	5775	NV	-10	-3000	-0.519481	20	PASS
11AC80MIMO	ANT2	5775	NV	0	-1000	-0.17316	20	PASS
11AC80MIMO	ANT2	5775	NV	10	1000	0.17316	20	PASS
11AC80MIMO	ANT2	5775	NV	20	2000	0.34632	20	PASS
11AC80MIMO	ANT2	5775	NV	30	4000	0.692641	20	PASS
11AC80MIMO	ANT2	5775	NV	40	5000	0.865801	20	PASS
11AC80MIMO	ANT2	5775	NV	50	7000	1.212121	20	PASS

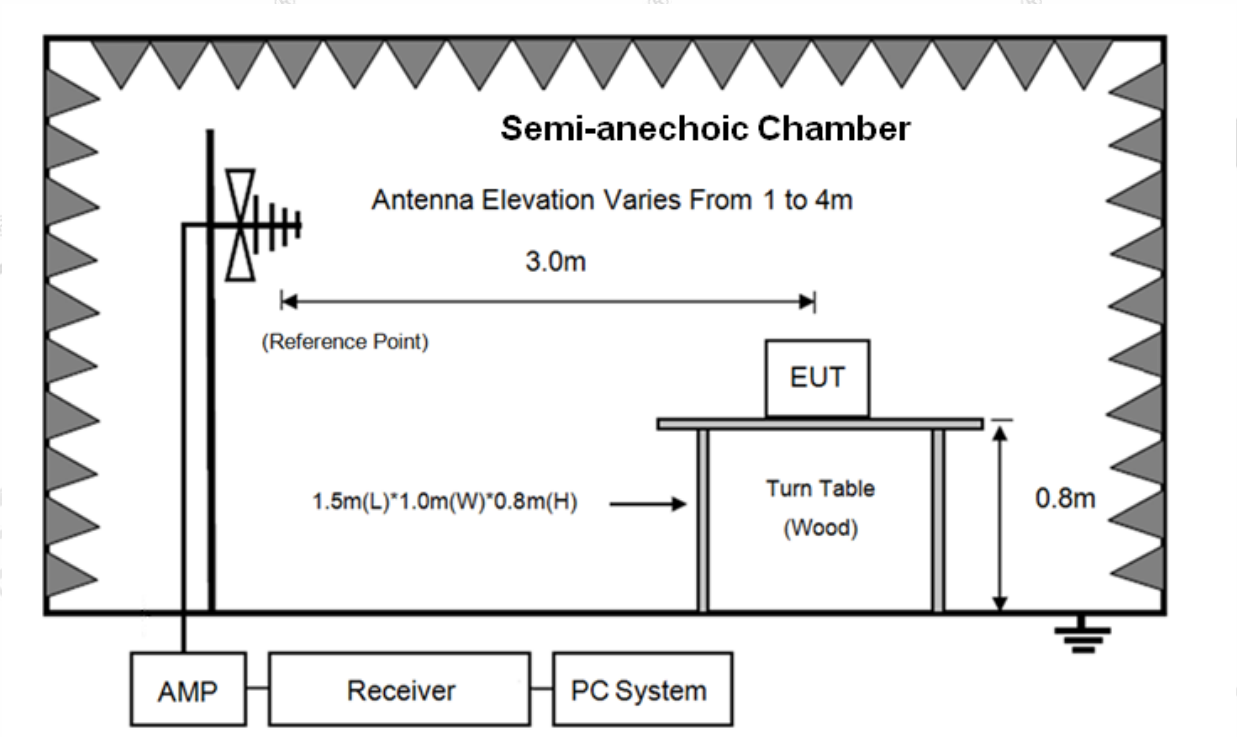
8. Emissions in restricted frequency bands

8.1. Block diagram of test setup

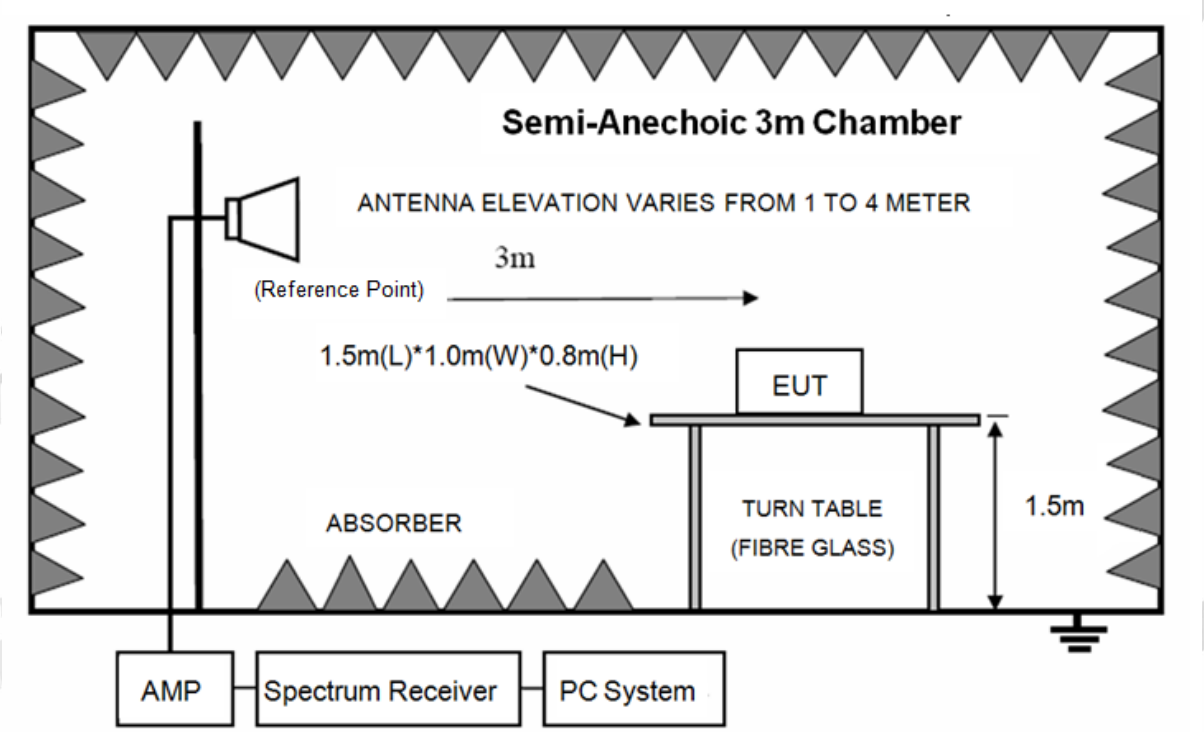
In 3m Anechoic Chamber Test Setup Diagram for 9kHz-30MHz



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



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



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
10.495-0.505	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			

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 9-90kHz, 110-490kHz and above 1000MHz.Radiated emissions limits in these three bands are based on measurements employing an average detector.

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

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

8.3.3 Limit for this EUT

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

8.3. Test Procedure

(1) EUT height should be 0.8 m for below 1 GHz at a semi‐anechoic chamber while EUT height should be 1.5 m for above 1GHz at full chamber or semi‐anechoic chamber ground with absorbers

(2) Setup EUT and assistant system according clause 2.3 and 8.2

(3) Test antenna was located 3m 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(1GHz-18GHz)	3 m
18 GHz-40 GHz	Horn Antenna(18GHz-40GHz)	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

be positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. for measurement above 30 MHz, the Trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(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 1m above ground.)

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

(c) Change modulation type of device if practicable.

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

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

Spectrum frequency from 9 kHz to 40 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so below final test was performed with frequency range from 30 MHz to 18 GHz.

(5) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of 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-90kHz,110kHz-490kHz and above 1GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

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

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

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

8.4. Test result

PASS. (See below detailed test result)

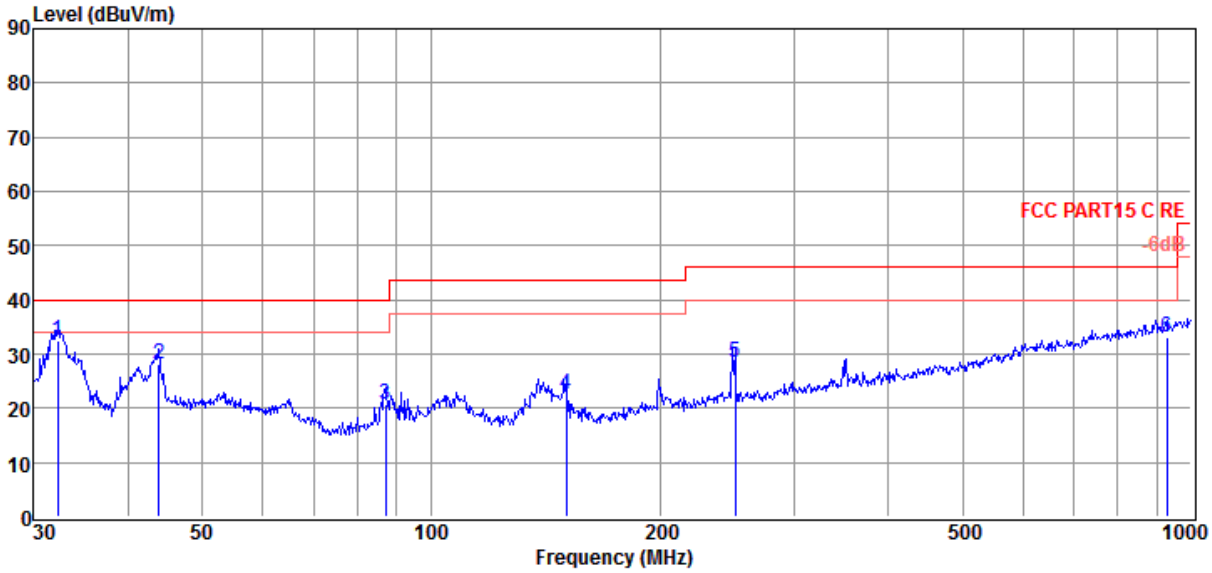
All the emissions except fundamental emission from 9kHz to 40GHz were comply with 15.209 limit.

Note1: According exploratory test no any obvious emission was detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.
Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in 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.
Note4: For simultaneous transmission of multiple channels in 2.4GHz BT and 5GHz bands, No noticeable emission was found.
Note5: There are two vendors of the WiFi/Bluetooth radio modules: variant 1 and variant 2. The WiFi/Bluetooth radio modules have the same mechanical outline (e.g., the same package dimension and pin-out layout), use the same on-board antenna matching circuit, have an identical antenna structure, and are built and tested to conform to the same specifications and to operate within the same tolerances.

Radiated Emission test (below 1GHz)

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 2#	D:\2021 RE2# Report Data\Q21050705-2E JBL Bar5.1\FCC BELOW1G.EM6	
Test Date	: 2021-05-30	**Tested By**	: Jacky Huang
EUT	: SOUNDBAR	**Model Number**	: BAR 5.1 CNTR
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx mode
Condition	: Temp:23.3°C,Humi:45%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/VERTICAL
Memo	:		

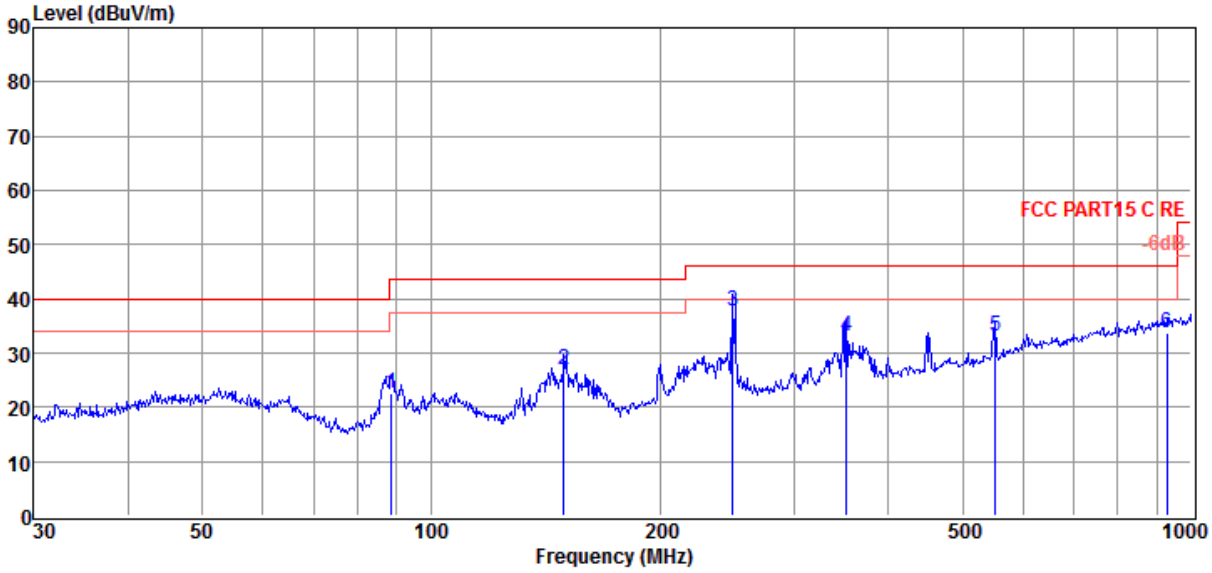


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	32.29	18.77	9.86	3.71	32.34	40.00	-7.66	QP	VERTICAL
2	43.81	11.37	12.83	3.80	28.00	40.00	-12.00	QP	VERTICAL
3	87.11	7.78	8.64	4.31	20.73	40.00	-19.27	QP	VERTICAL
4	150.54	10.00	7.83	4.75	22.58	43.50	-20.92	QP	VERTICAL
5	251.18	10.75	12.36	5.28	28.39	46.00	-17.61	QP	VERTICAL
6	929.01	3.48	21.96	7.79	33.23	46.00	-12.77	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#	D:\2021 RE2# Report Data\Q21050705-2E JBL Bar5.1\FCC BELOW1G.EM6	
Test Date	: 2021-05-30	**Tested By**	: Jacky Huang
EUT	: SOUNDBAR	**Model Number**	: BAR 5.1 CNTR
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx mode
Condition	: Temp:23.3°C,Humi:45%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/HORIZONTAL
Memo	:		



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	88.65	9.33	9.07	4.32	22.72	43.50	-20.78	QP	HORIZONTAL
2	149.49	14.22	7.79	4.75	26.76	43.50	-16.74	QP	HORIZONTAL
3	249.43	20.11	12.35	5.27	37.73	46.00	-8.27	QP	HORIZONTAL
4	351.71	12.34	15.01	5.72	33.07	46.00	-12.93	QP	HORIZONTAL
5	552.88	8.64	17.79	6.51	32.94	46.00	-13.06	QP	HORIZONTAL
6	929.01	3.86	21.96	7.79	33.61	46.00	-12.39	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 1GHz)

Freq (MHz)	Read level (dBμV)	Antenna Factor (dB/m)	PRM Factor(dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector type	Polarization
11a CH36									
7239.00	47.13	36.68	42.82	8.39	49.38	74.00	-24.62	Peak	HORIZONTAL
8055.00	46.73	37.91	42.27	8.65	51.02	74.00	-22.98	Peak	HORIZONTAL
10061.00	46.00	38.90	42.24	10.29	52.95	74.00	-21.05	Peak	HORIZONTAL
11370.00	45.15	39.80	42.33	10.98	53.60	74.00	-20.40	Peak	HORIZONTAL
14566.00	43.52	41.18	42.04	12.18	54.84	74.00	-19.16	Peak	HORIZONTAL
14566.00	36.47	41.18	42.04	12.18	47.79	54.00	-6.21	Average	HORIZONTAL
18000.00	41.24	48.00	42.50	14.63	61.37	74.00	-12.63	Peak	HORIZONTAL
18000.00	30.81	48.00	42.50	14.63	50.94	54.00	-3.06	Average	HORIZONTAL
6729.00	45.37	35.65	43.13	7.88	45.77	74.00	-28.23	Peak	VERTICAL
8174.00	45.92	37.93	42.21	8.69	50.33	74.00	-23.67	Peak	VERTICAL
9636.00	45.77	38.80	42.06	9.83	52.34	74.00	-21.66	Peak	VERTICAL
11370.00	45.04	39.80	42.33	10.98	53.49	74.00	-20.51	Peak	VERTICAL
14226.00	43.47	41.41	42.31	12.18	54.75	74.00	-19.25	Peak	VERTICAL
14226.00	36.47	41.41	42.31	12.18	47.75	54.00	-6.25	Average	VERTICAL
17830.00	41.00	47.29	42.45	14.23	60.07	74.00	-13.93	Peak	VERTICAL
17830.00	31.65	47.29	42.45	14.23	50.72	54.00	-3.28	Average	VERTICAL
11a CH40									
7307.00	45.93	36.79	42.77	8.51	48.46	74.00	-25.54	Peak	HORIZONTAL
9755.00	43.33	38.80	42.11	9.98	50.00	74.00	-24.00	Peak	HORIZONTAL
11370.00	47.40	39.80	42.33	10.98	55.85	74.00	-18.15	Peak	HORIZONTAL
11370.00	38.69	39.80	42.33	10.98	47.14	54.00	-6.86	Average	HORIZONTAL
13155.00	46.68	40.04	42.92	11.29	55.09	74.00	-18.91	Peak	HORIZONTAL
13155.00	37.70	40.04	42.92	11.29	46.11	54.00	-7.89	Average	HORIZONTAL
14906.00	43.88	40.57	41.77	12.90	55.58	74.00	-18.42	Peak	HORIZONTAL
14906.00	36.19	40.57	41.77	12.90	47.89	54.00	-6.11	Average	HORIZONTAL
18000.00	42.76	48.00	42.50	14.63	62.89	74.00	-11.11	Peak	HORIZONTAL
18000.00	30.87	48.00	42.50	14.63	51.00	54.00	-3.00	Average	HORIZONTAL
7307.00	45.76	36.79	42.77	8.51	48.29	74.00	-25.71	Peak	VERTICAL
9024.00	45.30	38.32	41.81	9.53	51.34	74.00	-22.66	Peak	VERTICAL
9755.00	43.69	38.80	42.11	9.98	50.36	74.00	-23.64	Peak	VERTICAL
12186.00	44.02	39.34	41.71	11.46	53.11	74.00	-20.89	Peak	VERTICAL
14634.00	43.97	41.06	41.99	12.32	55.36	74.00	-18.64	Peak	VERTICAL
14634.00	36.35	41.06	41.99	12.32	47.74	54.00	-6.26	Average	VERTICAL
18000.00	41.78	48.00	42.50	14.63	61.91	74.00	-12.09	Peak	VERTICAL
18000.00	30.81	48.00	42.50	14.63	50.94	54.00	-3.06	Average	VERTICAL
11a CH48									
7392.00	45.93	36.93	42.71	8.66	48.81	74.00	-25.19	Peak	HORIZONTAL
9109.00	46.27	38.41	41.85	9.55	52.38	74.00	-21.62	Peak	HORIZONTAL
10520.00	45.14	39.61	42.57	10.37	52.55	74.00	-21.45	Peak	HORIZONTAL
12305.00	44.52	39.17	41.90	11.70	53.49	74.00	-20.51	Peak	HORIZONTAL
14736.00	43.59	40.88	41.91	12.54	55.10	74.00	-18.90	Peak	HORIZONTAL
14736.00	35.88	40.88	41.91	12.54	47.39	54.00	-6.61	Average	HORIZONTAL
17881.00	42.10	47.50	42.47	14.35	61.48	74.00	-12.52	Peak	HORIZONTAL

17881.00	31.51	47.50	42.47	14.35	50.89	54.00	-3.11	Average	HORIZONTAL
7392.00	46.17	36.93	42.71	8.66	49.05	74.00	-24.95	Peak	VERTICAL
9840.00	45.34	38.80	42.14	10.09	52.09	74.00	-21.91	Peak	VERTICAL
11234.00	45.30	39.80	42.54	10.83	53.39	74.00	-20.61	Peak	VERTICAL
12305.00	45.17	39.17	41.90	11.70	54.14	74.00	-19.86	Peak	VERTICAL
12305.00	34.87	39.17	41.90	11.70	43.84	54.00	-10.16	Average	VERTICAL
14651.00	43.50	41.03	41.97	12.36	54.92	74.00	-19.08	Peak	VERTICAL
14651.00	36.44	41.03	41.97	12.36	47.86	54.00	-6.14	Average	VERTICAL
17881.00	42.45	47.50	42.47	14.35	61.83	74.00	-12.17	Peak	VERTICAL
17881.00	31.44	47.50	42.47	14.35	50.82	54.00	-3.18	Average	VERTICAL
Conclusion: Pass									
Note: -27 dBm/MHz Limit=95.2+EIRP[dBm]=95.2-27=68.2 dBμV/m For transmitters operating in the 5150MHz-5250MHz, 5250MHz-5350MHz, 5470MHz-5725MHz, 5725MHz-5850MHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.									

Note:1. 30MHz~40GHz: (11a, 11n20, n40, 11ac20, 11ac40,11ac80 mode all have been tested, only 11n20 MIMO 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.

Freq (MHz)	Read level (dBμV)	Antenna Factor (dB/m)	PRM Factor(dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector type	Polarization
11a CH52									
7239.00	46.09	36.68	42.82	8.39	48.34	74.00	-25.66	Peak	HORIZONTAL
9653.00	45.49	38.80	42.07	9.85	52.07	74.00	-21.93	Peak	HORIZONTAL
12060.00	45.90	39.52	41.50	11.20	55.12	74.00	-18.88	Peak	HORIZONTAL
12060.00	36.32	39.52	41.50	11.20	45.54	54.00	-8.46	Average	HORIZONTAL
14141.00	43.97	41.44	42.38	12.22	55.25	74.00	-18.75	Peak	HORIZONTAL
14141.00	36.74	41.44	42.38	12.22	48.02	54.00	-5.98	Average	HORIZONTAL
15450.00	43.47	39.68	41.97	12.45	53.63	74.00	-20.37	Peak	HORIZONTAL
17864.00	42.55	47.43	42.46	14.31	61.83	74.00	-12.17	Peak	HORIZONTAL
17864.00	31.64	47.43	42.46	14.31	50.92	54.00	-3.08	Average	HORIZONTAL
7494.00	46.35	37.09	42.64	8.83	49.63	74.00	-24.37	Peak	VERTICAL
9330.00	45.16	38.63	41.94	9.61	51.46	74.00	-22.54	Peak	VERTICAL
11234.00	45.39	39.80	42.54	10.83	53.48	74.00	-20.52	Peak	VERTICAL
13699.00	44.68	41.08	42.65	11.86	54.97	74.00	-19.03	Peak	VERTICAL
13699.00	36.84	41.08	42.65	11.86	47.13	54.00	-6.87	Average	VERTICAL
16011.00	43.86	39.05	42.30	12.66	53.27	74.00	-20.73	Peak	VERTICAL
17915.00	41.59	47.64	42.48	14.43	61.18	74.00	-12.82	Peak	VERTICAL
17915.00	31.08	47.64	42.48	14.43	50.67	54.00	-3.33	Average	VERTICAL
11a CH56									
7307.00	45.33	36.79	42.77	8.51	47.86	74.00	-26.14	Peak	HORIZONTAL
9755.00	43.24	38.80	42.11	9.98	49.91	74.00	-24.09	Peak	HORIZONTAL
11965.00	47.07	39.61	41.45	11.07	56.30	74.00	-17.70	Peak	HORIZONTAL
11965.00	38.45	39.61	41.45	11.07	47.68	54.00	-6.32	Average	HORIZONTAL
14685.00	43.79	40.97	41.95	12.43	55.24	74.00	-18.76	Peak	HORIZONTAL
14685.00	35.88	40.97	41.95	12.43	47.33	54.00	-6.67	Average	HORIZONTAL
16045.00	43.19	39.19	42.30	12.70	52.78	74.00	-21.22	Peak	HORIZONTAL
17949.00	41.58	47.79	42.49	14.51	61.39	74.00	-12.61	Peak	HORIZONTAL

17949.00	31.08	47.79	42.49	14.51	50.89	54.00	-3.11	Average	HORIZONTAL
6576.00	46.57	35.28	43.20	7.84	46.49	74.00	-27.51	Peak	VERTICAL
9194.00	46.23	38.49	41.88	9.58	52.42	74.00	-21.58	Peak	VERTICAL
11404.00	45.14	39.80	42.28	11.02	53.68	74.00	-20.32	Peak	VERTICAL
14430.00	44.91	41.33	42.15	12.07	56.16	74.00	-17.84	Peak	VERTICAL
14430.00	36.87	41.33	42.15	12.07	48.12	54.00	-5.88	Average	VERTICAL
15841.00	42.93	39.19	42.21	12.57	52.48	74.00	-21.52	Peak	VERTICAL
17966.00	41.25	47.86	42.49	14.55	61.17	74.00	-12.83	Peak	VERTICAL
17966.00	31.01	47.86	42.49	14.55	50.93	54.00	-3.07	Average	VERTICAL
11a CH64									
7494.00	47.39	37.09	42.64	8.83	50.67	74.00	-23.33	Peak	HORIZONTAL
9075.00	45.05	38.38	41.83	9.54	51.14	74.00	-22.86	Peak	HORIZONTAL
10435.00	45.48	39.50	42.51	10.35	52.82	74.00	-21.18	Peak	HORIZONTAL
11285.00	45.45	39.80	42.46	10.89	53.68	74.00	-20.32	Peak	HORIZONTAL
14430.00	44.21	41.33	42.15	12.07	55.46	74.00	-18.54	Peak	HORIZONTAL
14430.00	37.07	41.33	42.15	12.07	48.32	54.00	-5.68	Average	HORIZONTAL
17915.00	42.34	47.64	42.48	14.43	61.93	74.00	-12.07	Peak	HORIZONTAL
17915.00	31.07	47.64	42.48	14.43	50.66	54.00	-3.34	Average	HORIZONTAL
7171.00	46.51	36.57	42.87	8.27	48.48	74.00	-25.52	Peak	VERTICAL
8769.00	44.65	38.16	41.91	9.19	50.09	74.00	-23.91	Peak	VERTICAL
10180.00	44.80	39.09	42.33	10.31	51.87	74.00	-22.13	Peak	VERTICAL
11268.00	45.08	39.80	42.49	10.87	53.26	74.00	-20.74	Peak	VERTICAL
14736.00	43.12	40.88	41.91	12.54	54.63	74.00	-19.37	Peak	VERTICAL
14736.00	36.68	40.88	41.91	12.54	48.19	54.00	-5.81	Average	VERTICAL
17949.00	41.47	47.79	42.49	14.51	61.28	74.00	-12.72	Peak	VERTICAL
17949.00	31.14	47.79	42.49	14.51	50.95	54.00	-3.05	Average	VERTICAL
Conclusion: Pass									
Note: -27 dBm/MHz Limit=95.2+EIRP[dBm]=95.2-27=68.2 dBμV/m For transmitters operating in the 5150MHz-5250MHz, 5250MHz-5350MHz, 5470MHz-5725MHz, 5725MHz-5850MHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.									

Note:1. 30MHz~40GHz: (11a, 11n20, n40, 11ac20, 11ac40,11ac80 mode all have been tested, only 11n20 MIMO 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.

Freq (MHz)	Read level (dBμV)	Antenna Factor (dB/m)	PRM Factor(dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector type	Polarization
11a CH110									
6984.00	46.47	36.26	43.01	7.97	47.69	74.00	-26.31	Peak	HORIZONTAL
9024.00	45.33	38.32	41.81	9.53	51.37	74.00	-22.63	Peak	HORIZONTAL
10486.00	45.51	39.58	42.55	10.36	52.90	74.00	-21.10	Peak	HORIZONTAL
11761.00	44.47	39.70	41.75	11.09	53.51	74.00	-20.49	Peak	HORIZONTAL
14124.00	44.65	41.45	42.40	12.23	55.93	74.00	-18.07	Peak	HORIZONTAL
14124.00	36.66	41.45	42.40	12.23	47.94	54.00	-6.06	Average	HORIZONTAL
17915.00	42.04	47.64	42.48	14.43	61.63	74.00	-12.37	Peak	HORIZONTAL
17915.00	31.15	47.64	42.48	14.43	50.74	54.00	-3.26	Average	HORIZONTAL
6440.00	46.94	34.91	43.27	7.76	46.34	74.00	-27.66	Peak	VERTICAL