

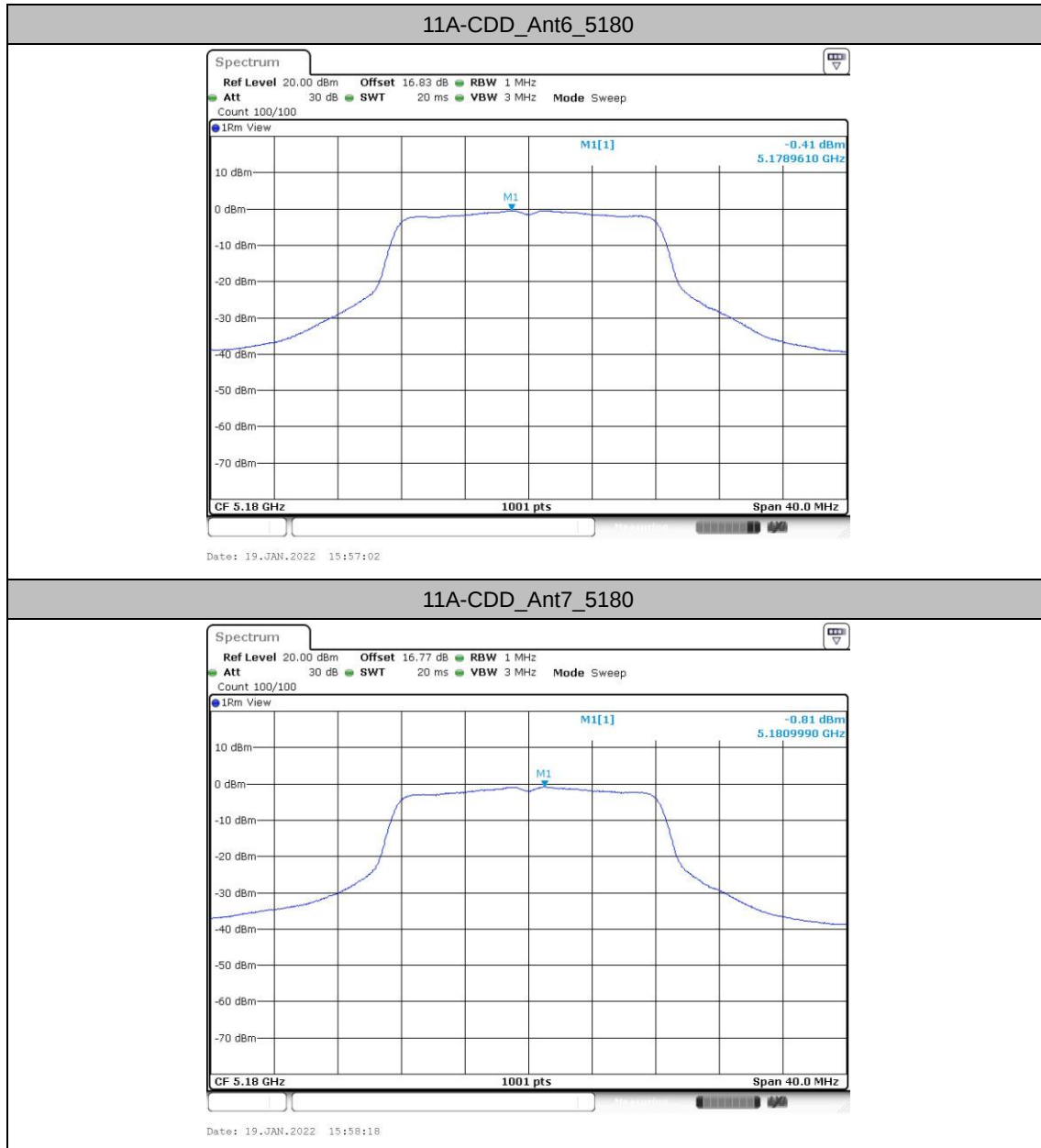


	Ant6	5310	-5.39	≤ 11.00	PASS
	Ant7	5310	-5.37	≤ 11.00	PASS
	total	5310	-2.37	≤ 11.00	PASS
	Ant6	5510	-4.92	≤ 11.00	PASS
	Ant7	5510	-5.79	≤ 11.00	PASS
	total	5510	-2.32	≤ 11.00	PASS
	Ant6	5550	-4.78	≤ 11.00	PASS
	Ant7	5550	-5.92	≤ 11.00	PASS
	total	5550	-2.30	≤ 11.00	PASS
	Ant6	5670	-4.43	≤ 11.00	PASS
	Ant7	5670	-5.26	≤ 11.00	PASS
	total	5670	-1.81	≤ 11.00	PASS
	Ant6	5710_UNII-2C	-4.91	≤ 11.00	PASS
	Ant7	5710_UNII-2C	-4.11	≤ 11.00	PASS
	total	5710_UNII-2C	-1.48	≤ 11.00	PASS
	Ant6	5710_UNII-3	-9.83	≤ 30.00	PASS
	Ant7	5710_UNII-3	-9.14	≤ 30.00	PASS
	total	5710_UNII-3	-6.46	≤ 30.00	PASS
11AC80-CDD	Ant6	5210	-7.85	≤ 11.00	PASS
	Ant7	5210	-9.63	≤ 11.00	PASS
	total	5210	-5.64	≤ 11.00	PASS
	Ant6	5290	-9.08	≤ 11.00	PASS
	Ant7	5290	-8.87	≤ 11.00	PASS
	total	5290	-5.96	≤ 11.00	PASS
	Ant6	5530	-9.13	≤ 11.00	PASS
	Ant7	5530	-9.71	≤ 11.00	PASS
	total	5530	-6.40	≤ 11.00	PASS
	Ant6	5610	-8.84	≤ 11.00	PASS
	Ant7	5610	-9.57	≤ 11.00	PASS
	total	5610	-6.18	≤ 11.00	PASS
	Ant6	5690_UNII-2C	-8.56	≤ 11.00	PASS
	Ant7	5690_UNII-2C	-7.56	≤ 11.00	PASS
	total	5690_UNII-2C	-5.02	≤ 11.00	PASS
	Ant6	5690_UNII-3	-13.48	≤ 30.00	PASS
	Ant7	5690_UNII-3	-12.8	≤ 30.00	PASS
	total	5690_UNII-3	-10.12	≤ 30.00	PASS

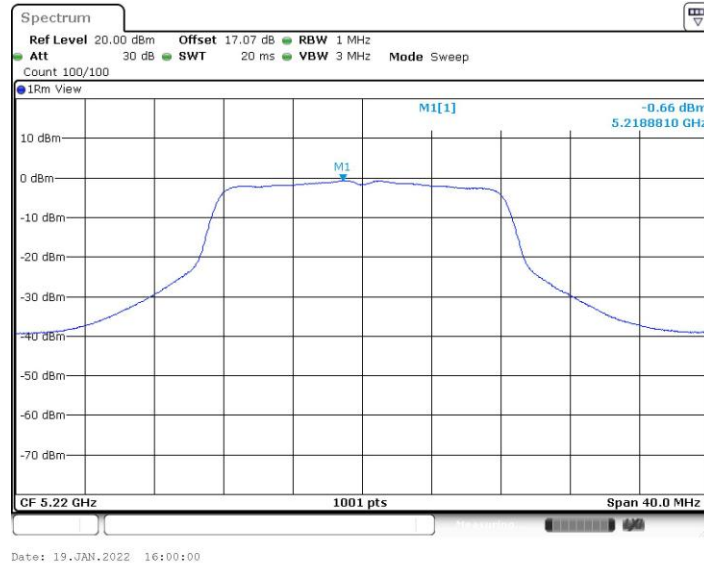
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

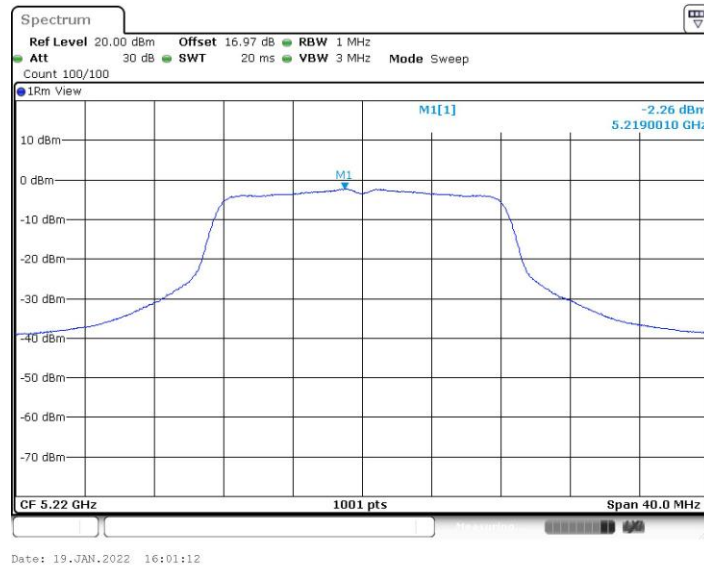
Test Graphs



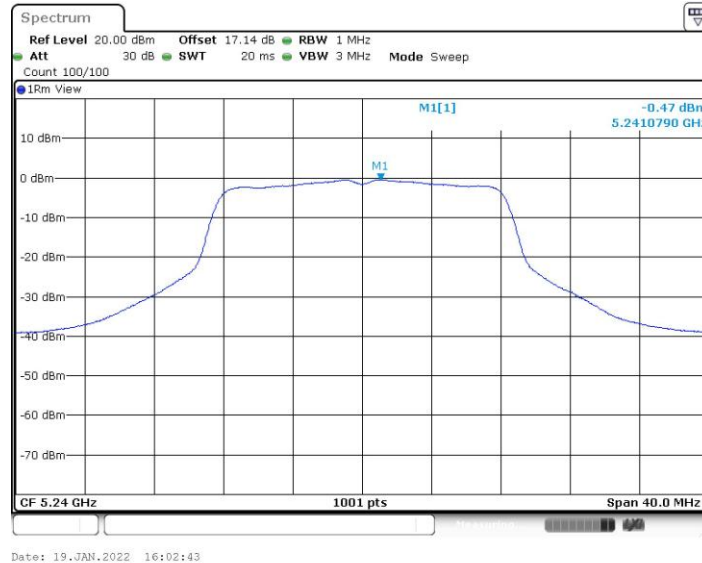
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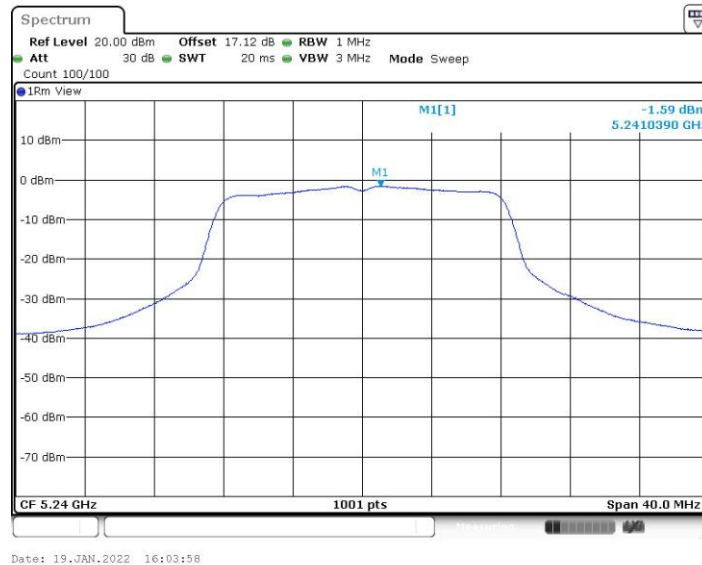
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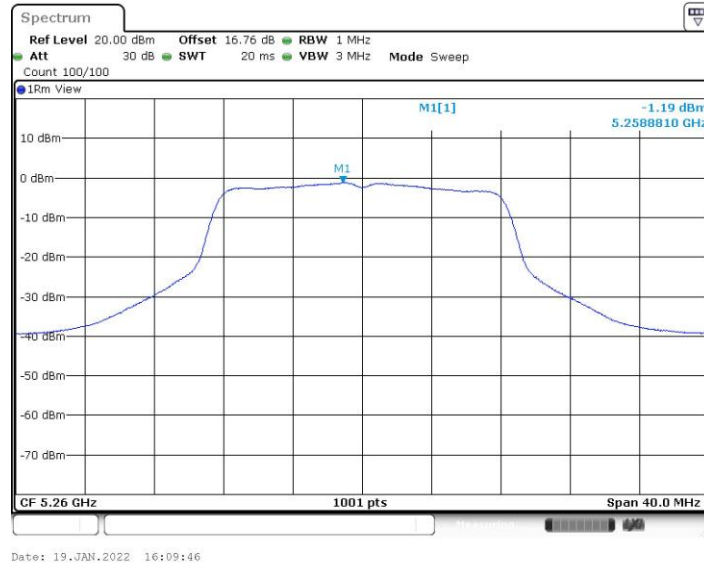
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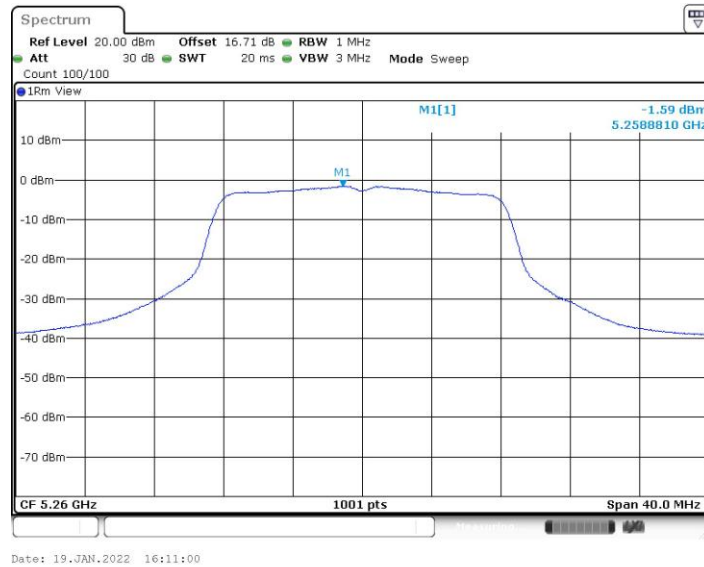
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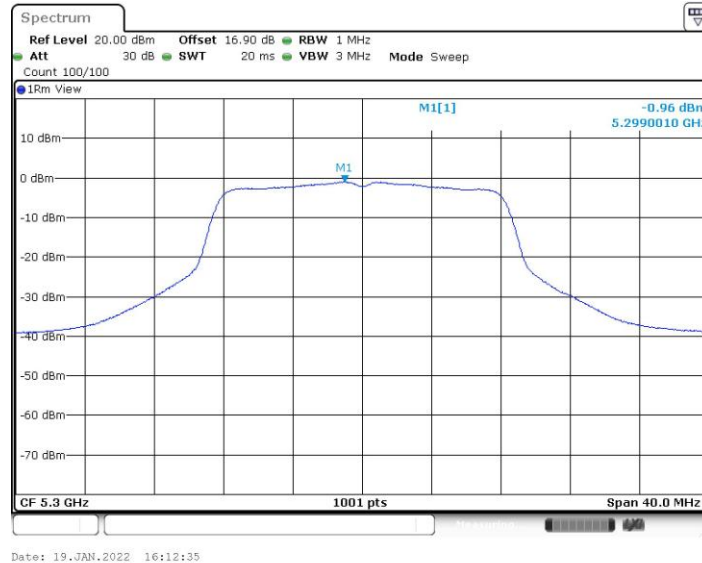
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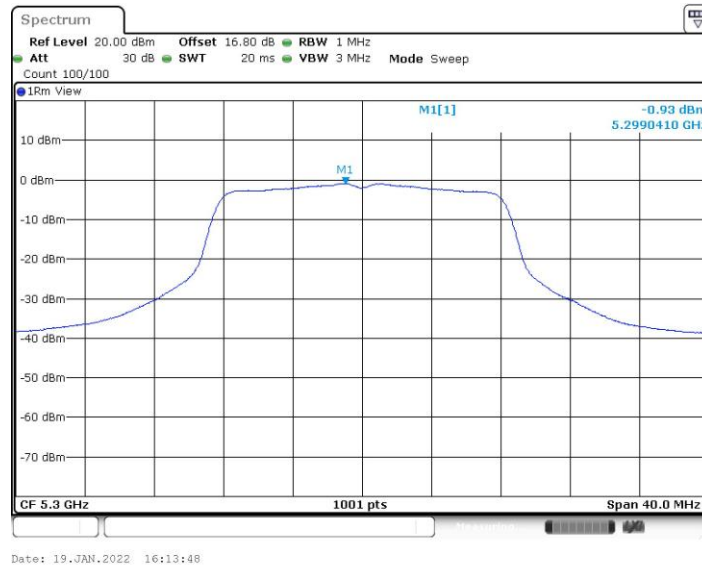
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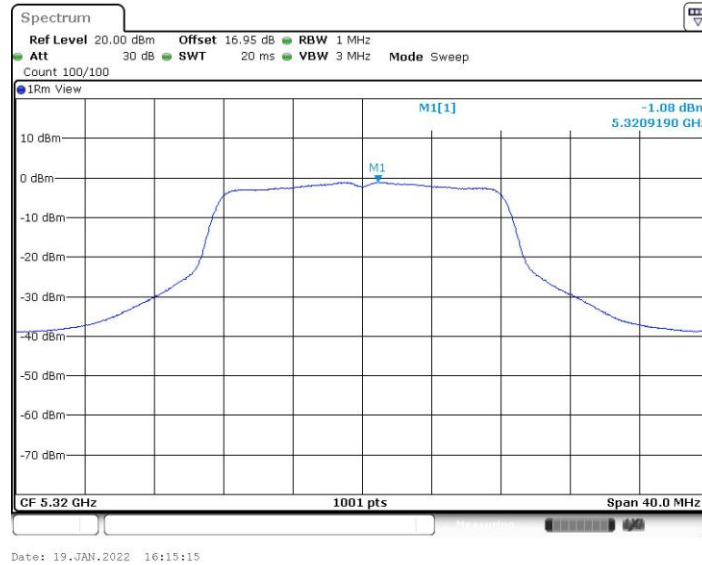
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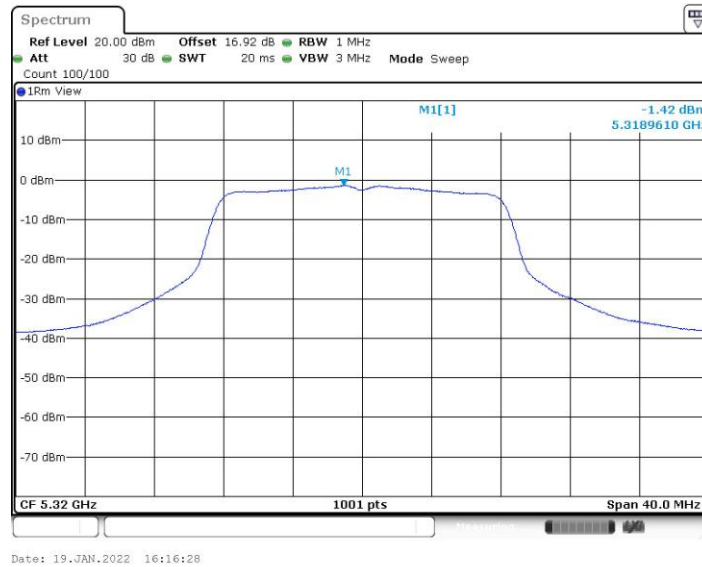
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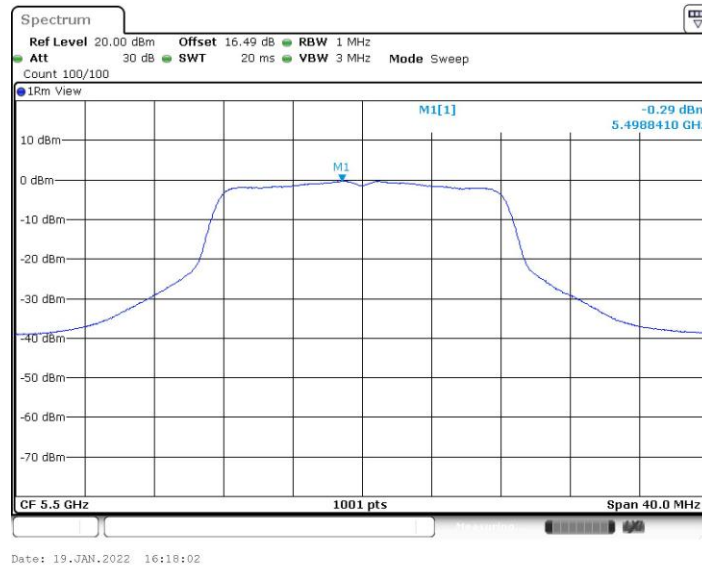
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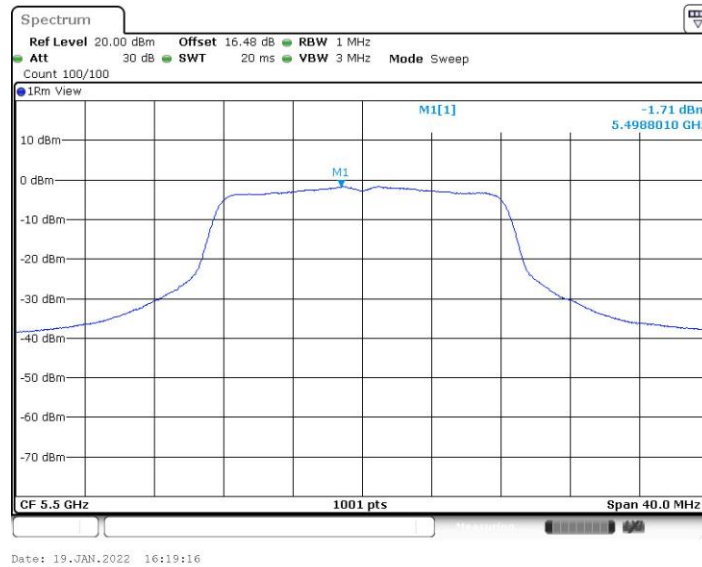
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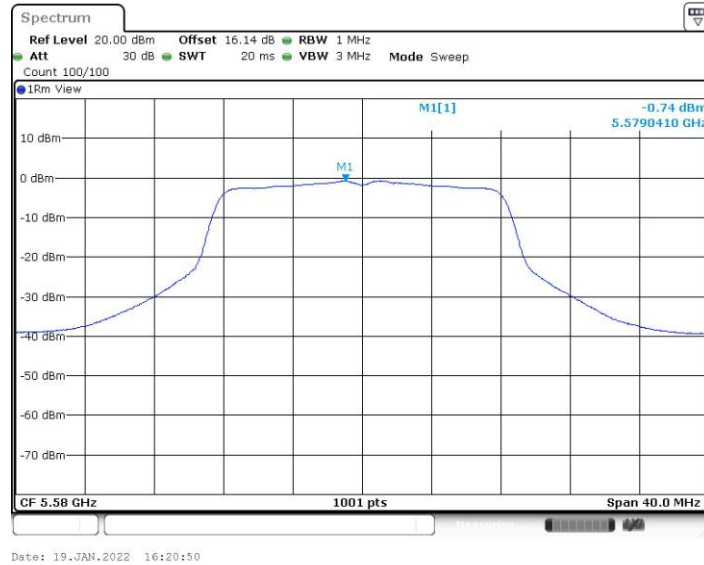
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11A-CDD_Ant7_5500



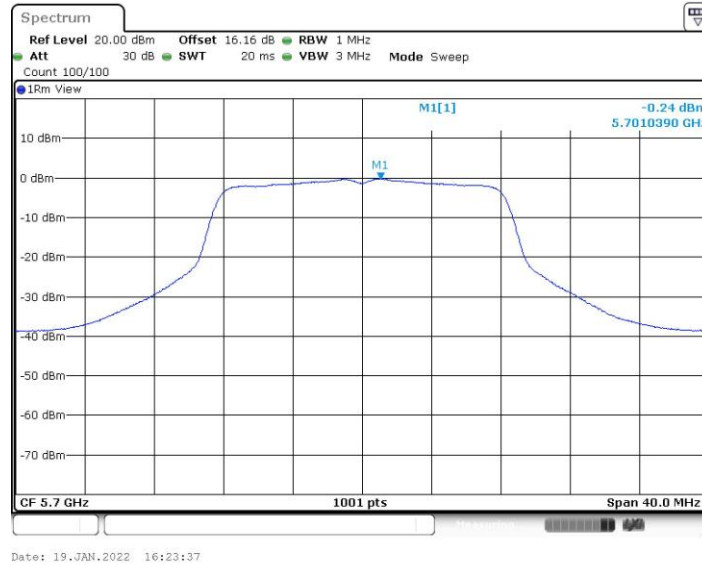
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11A-CDD_Ant7_5580



11A-CDD_Ant6_5700

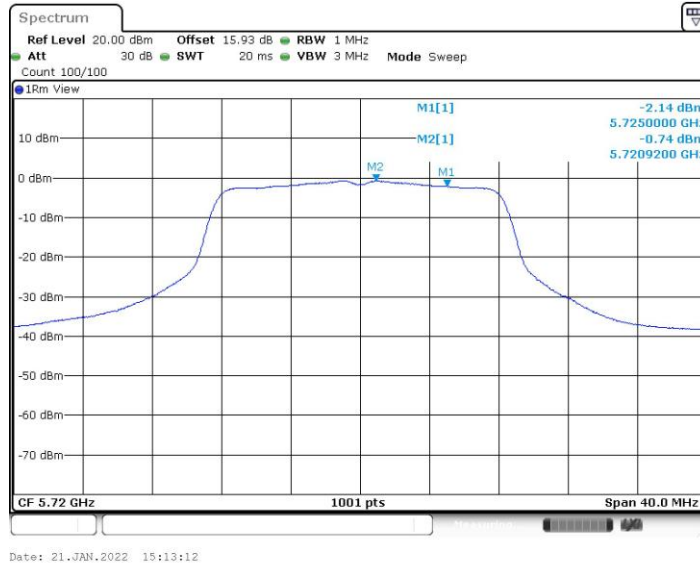


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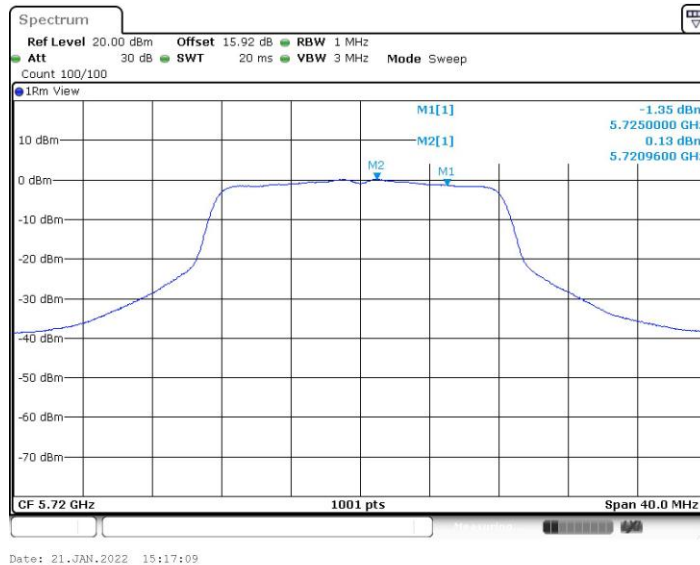




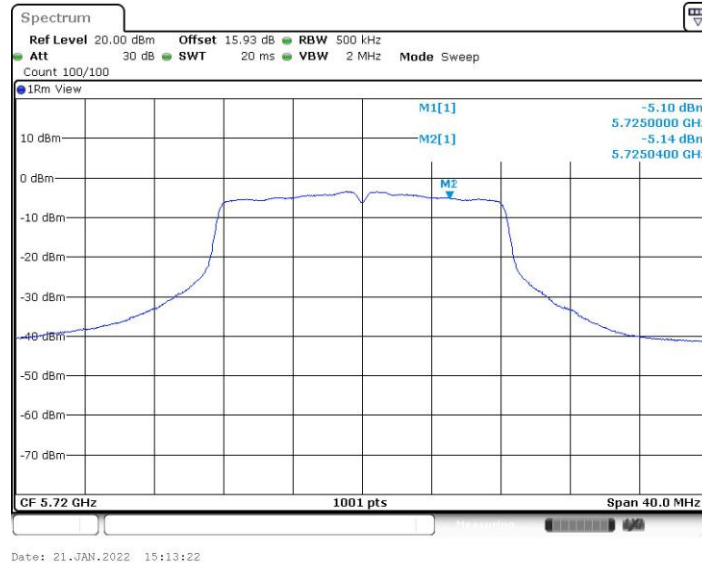
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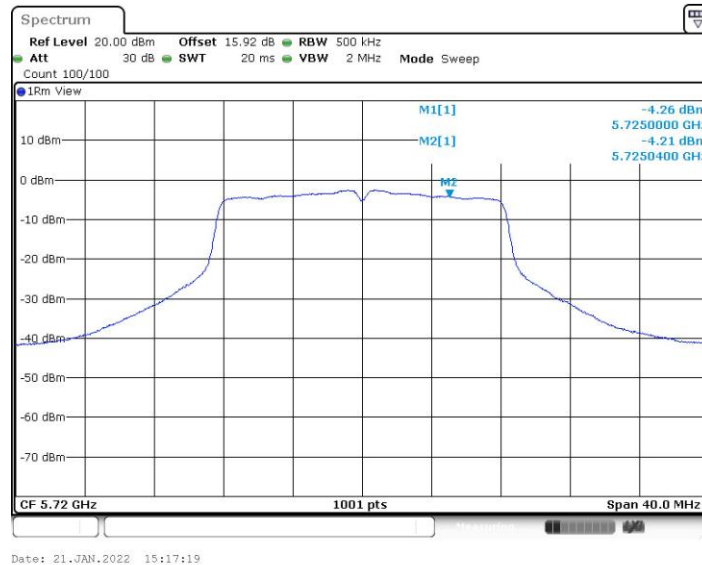
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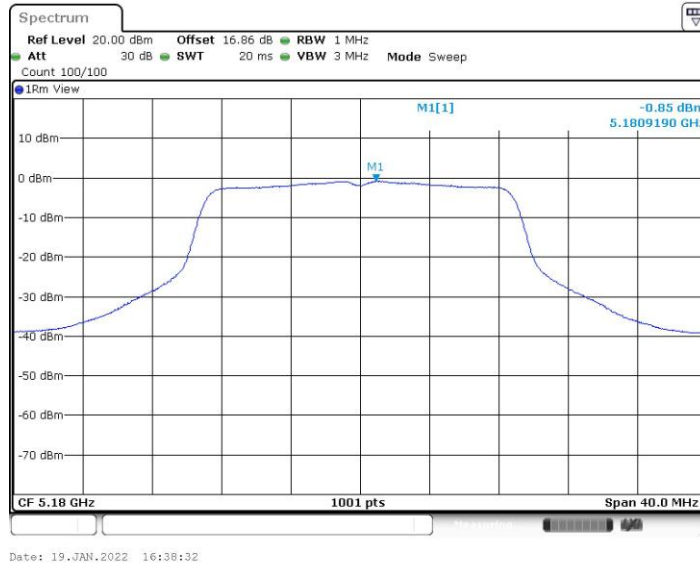
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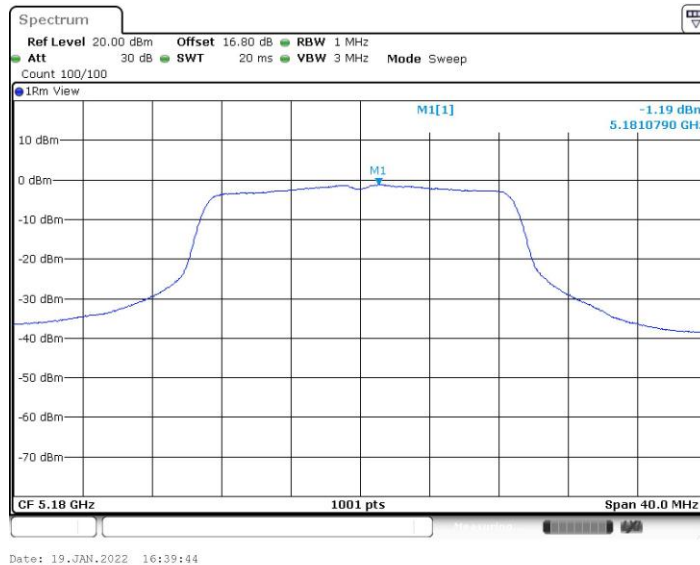
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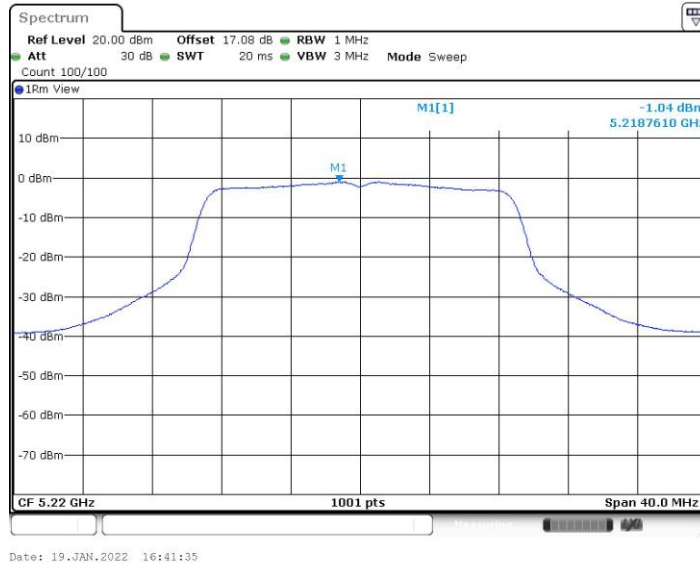
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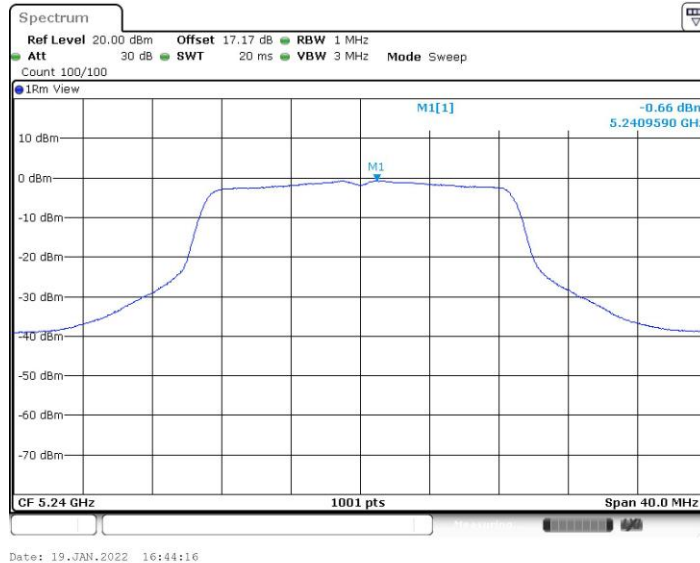
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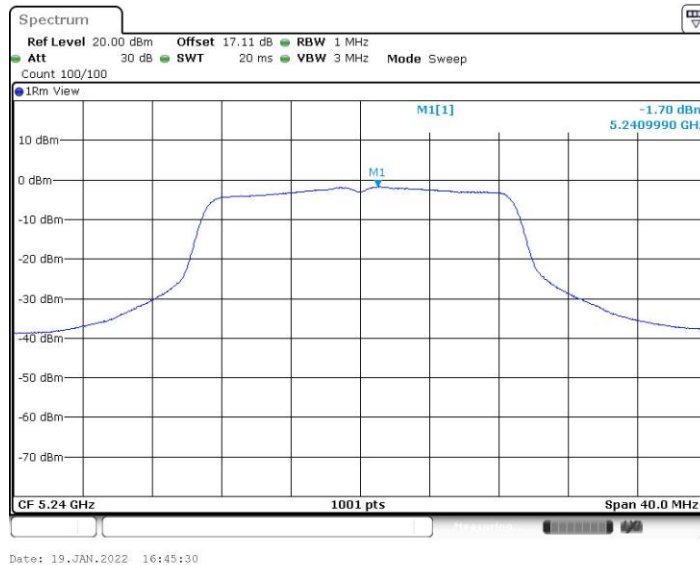
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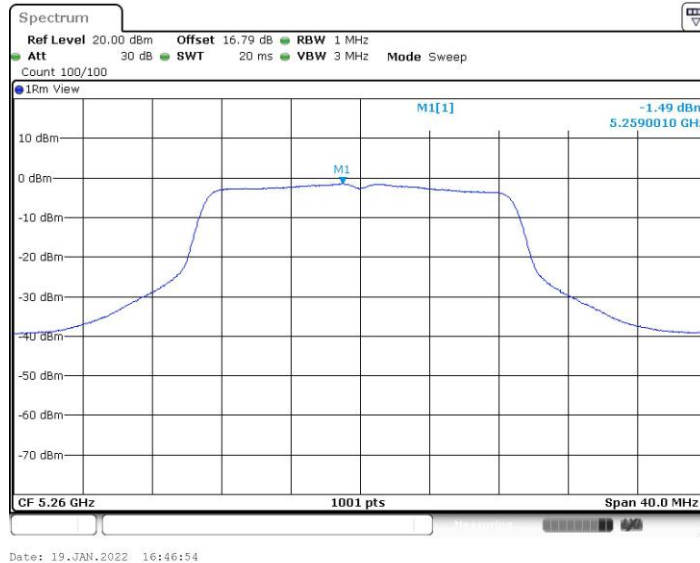
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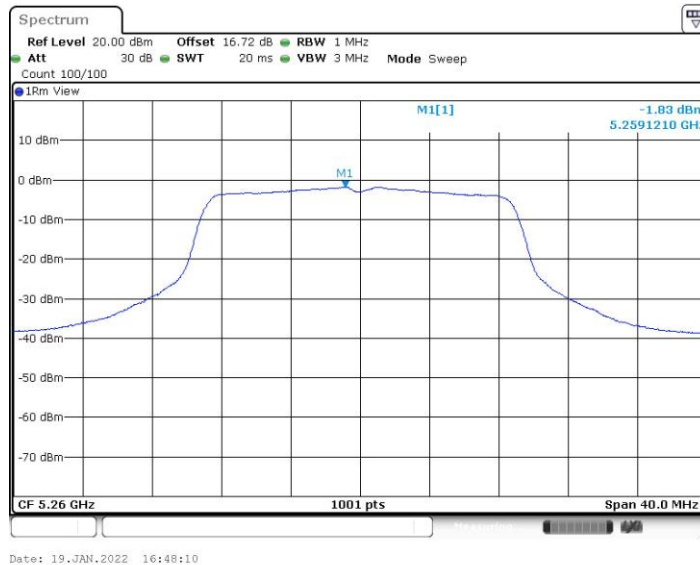
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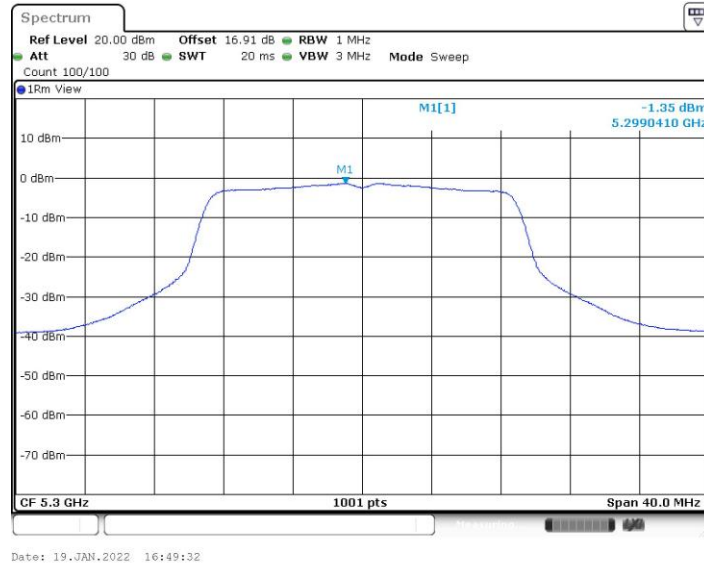
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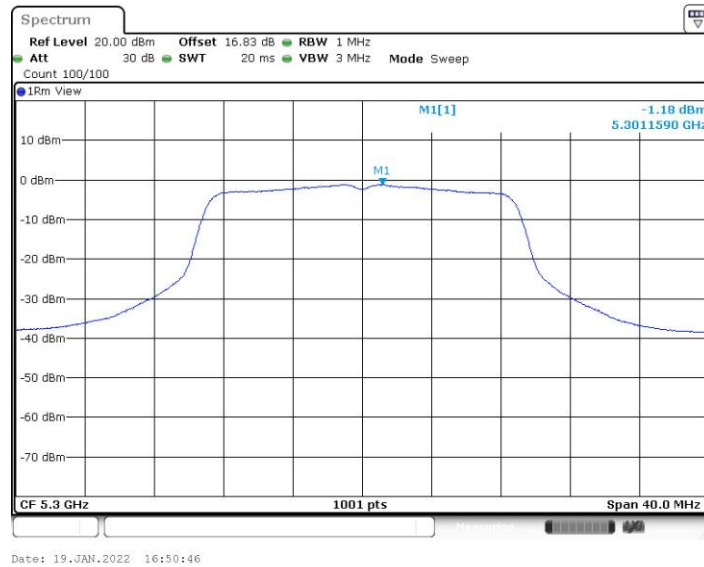
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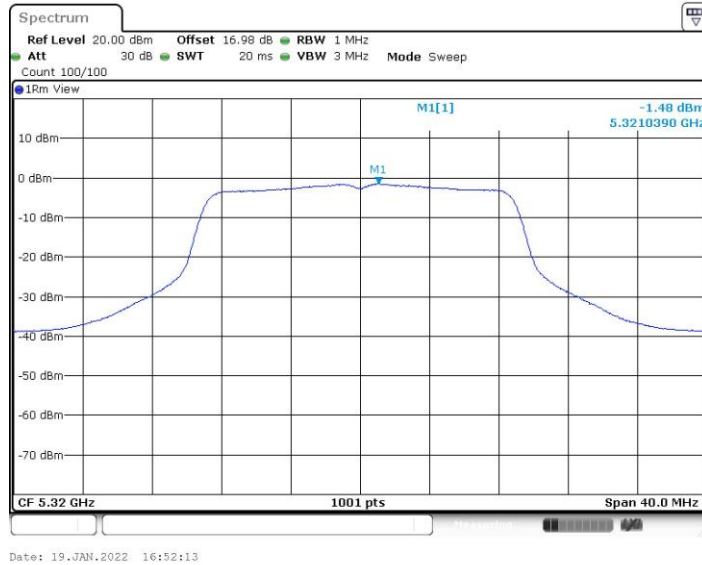
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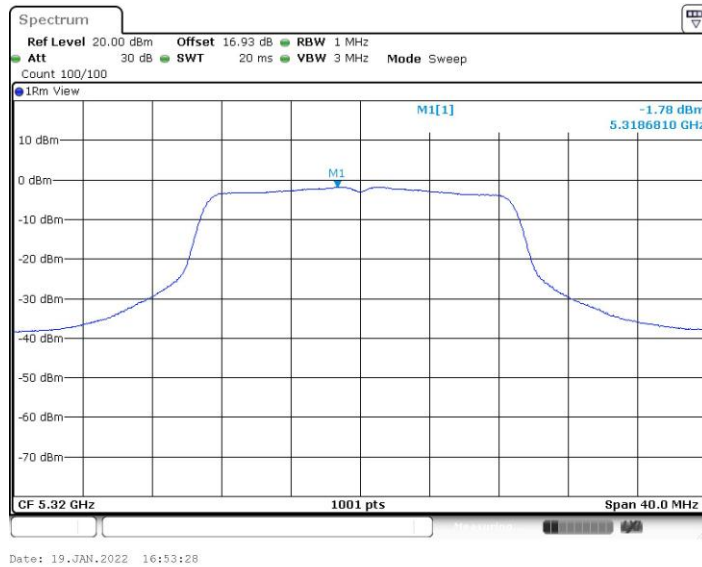
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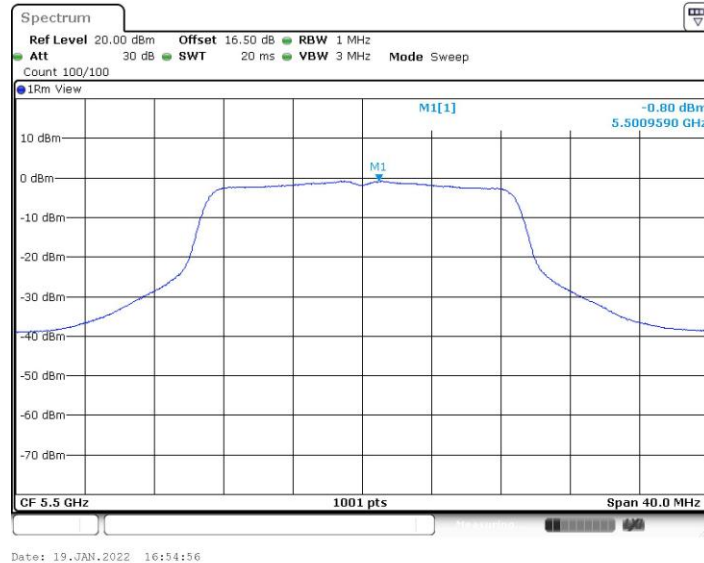
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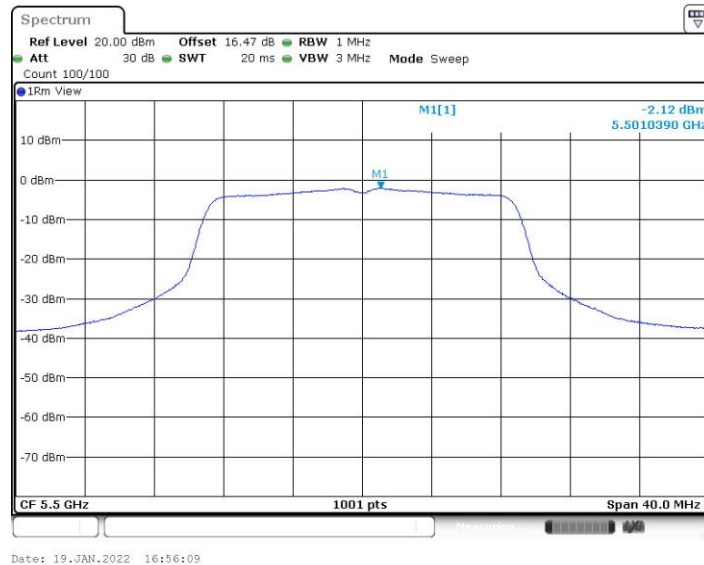
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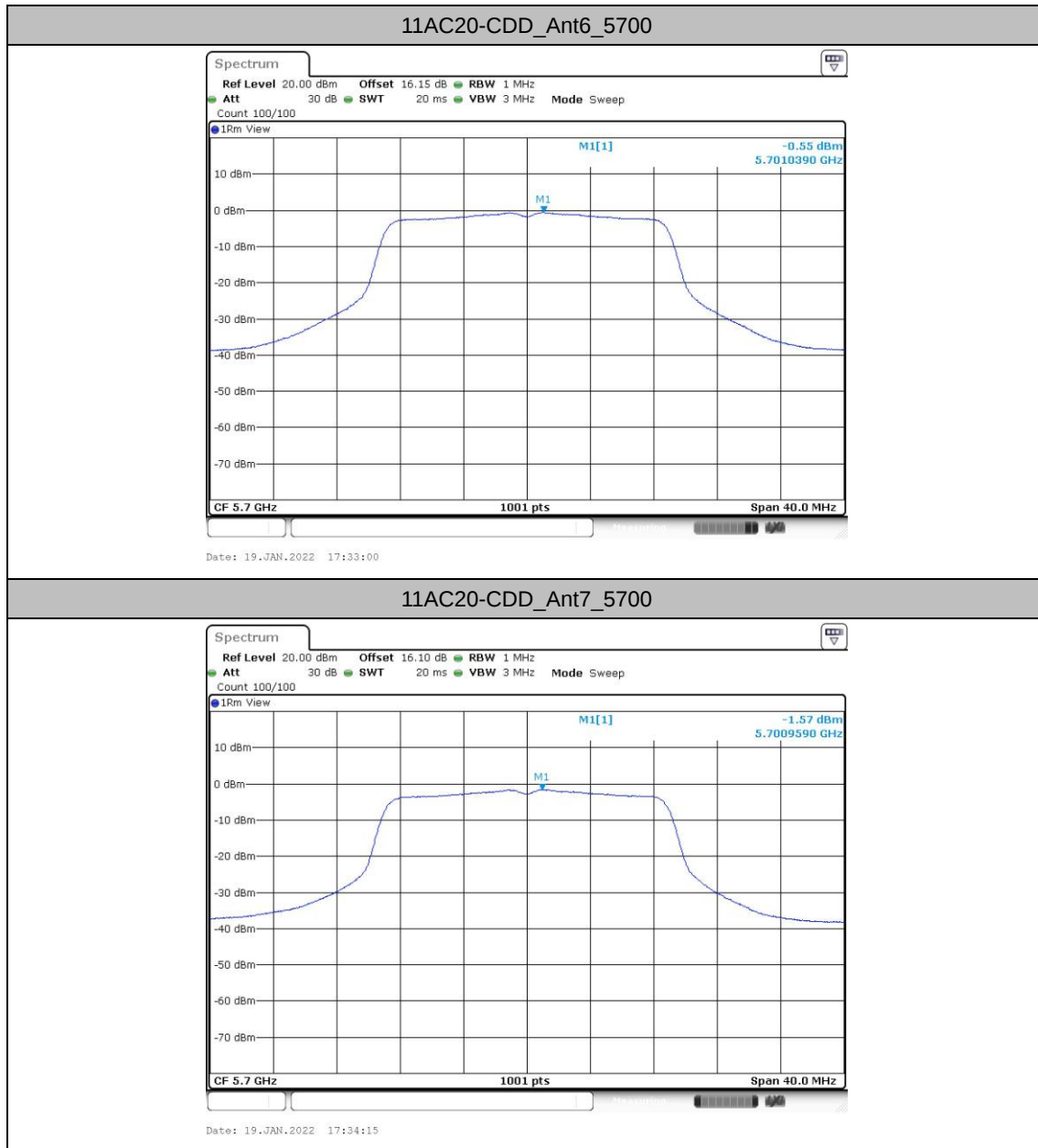
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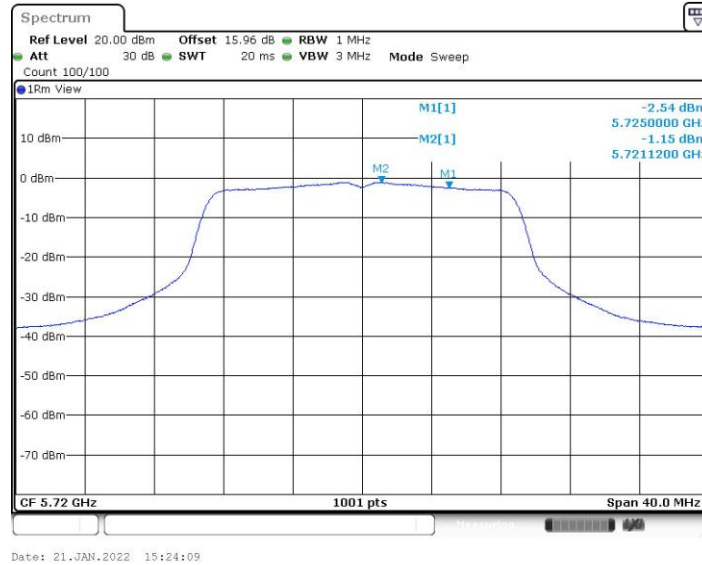
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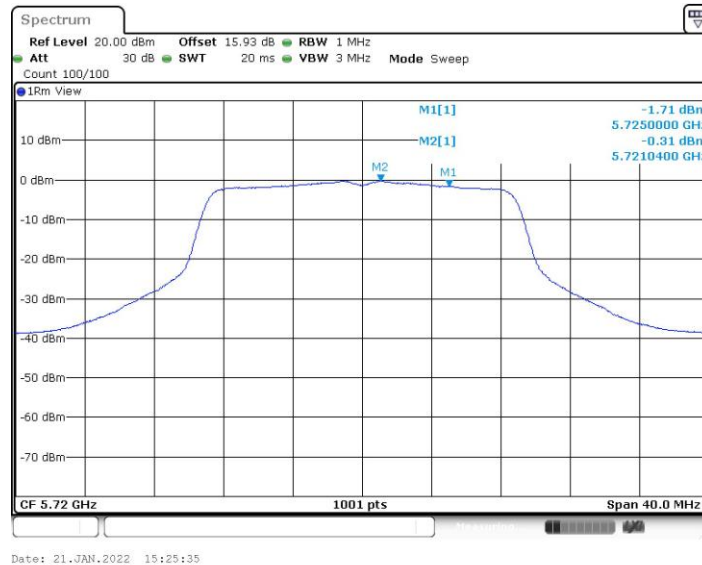




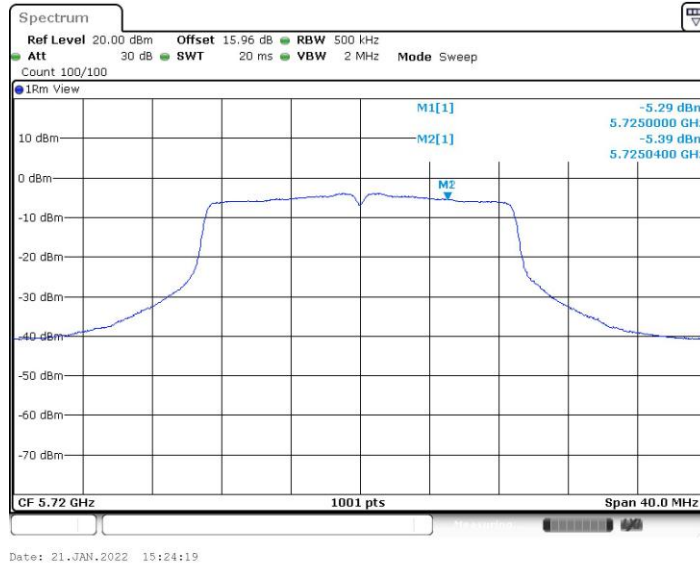
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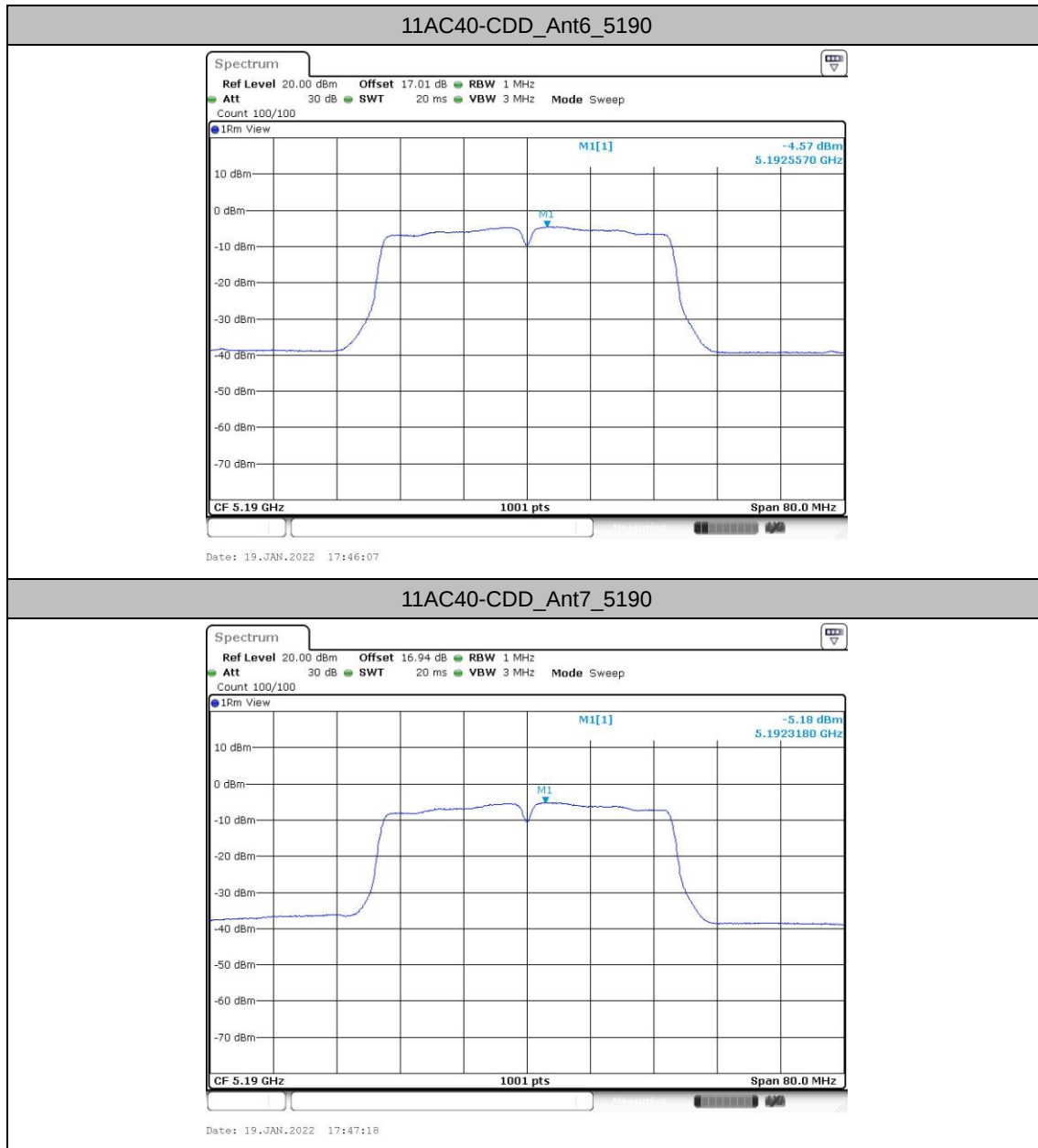


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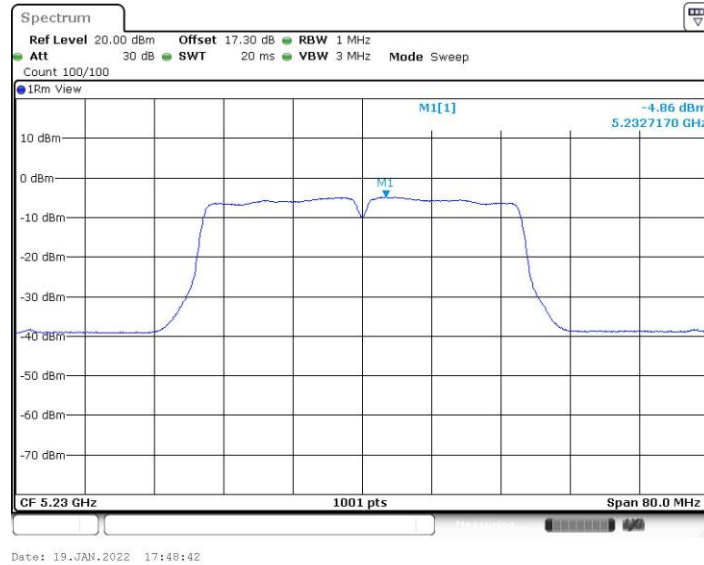


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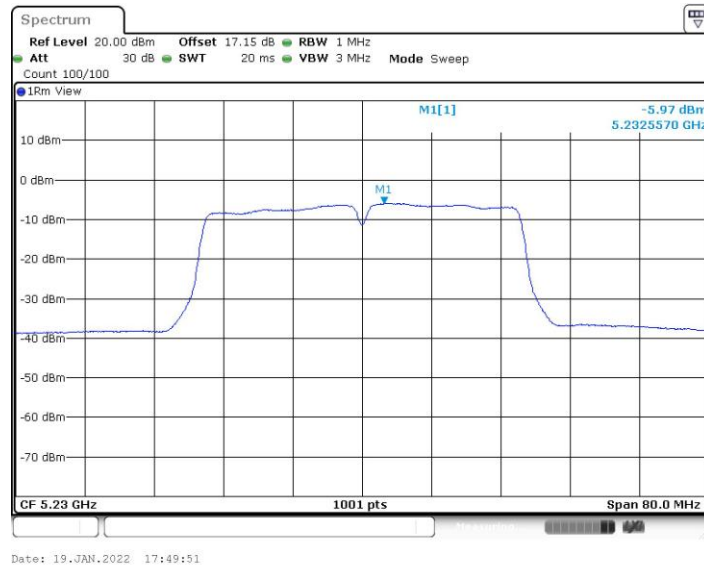




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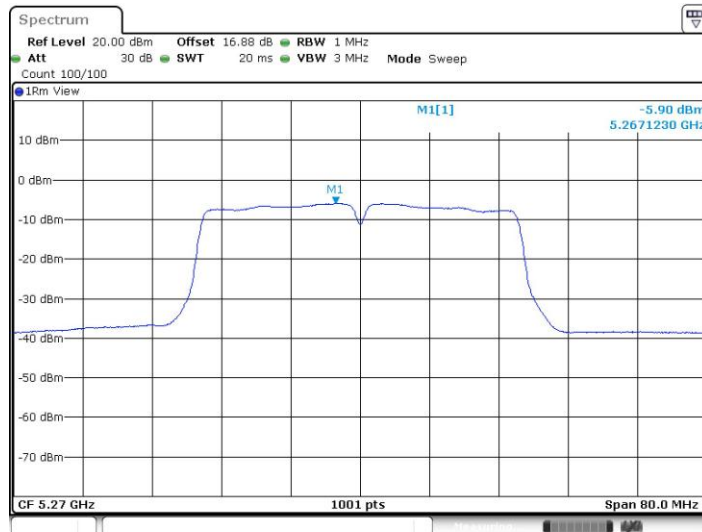


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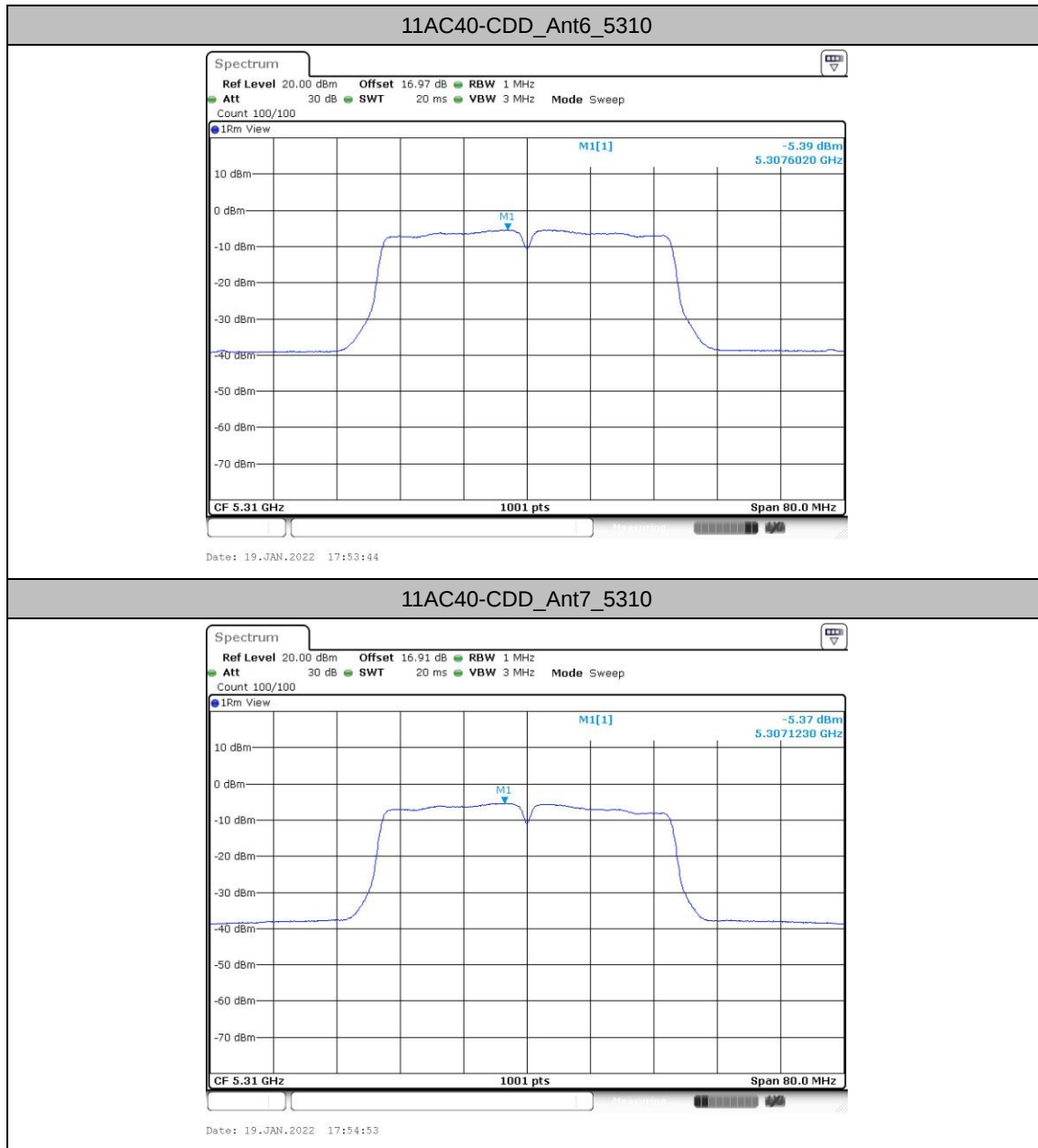


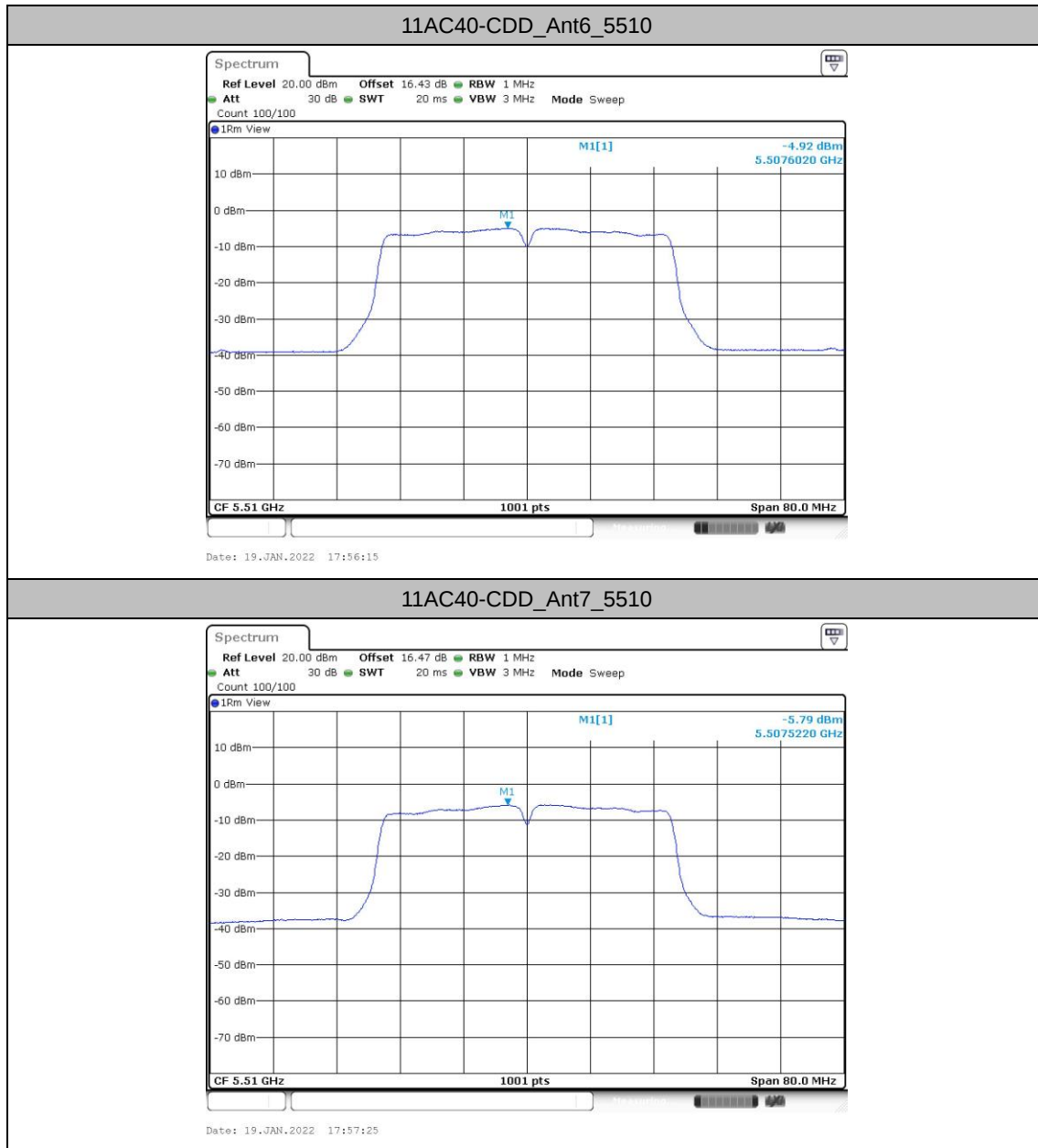
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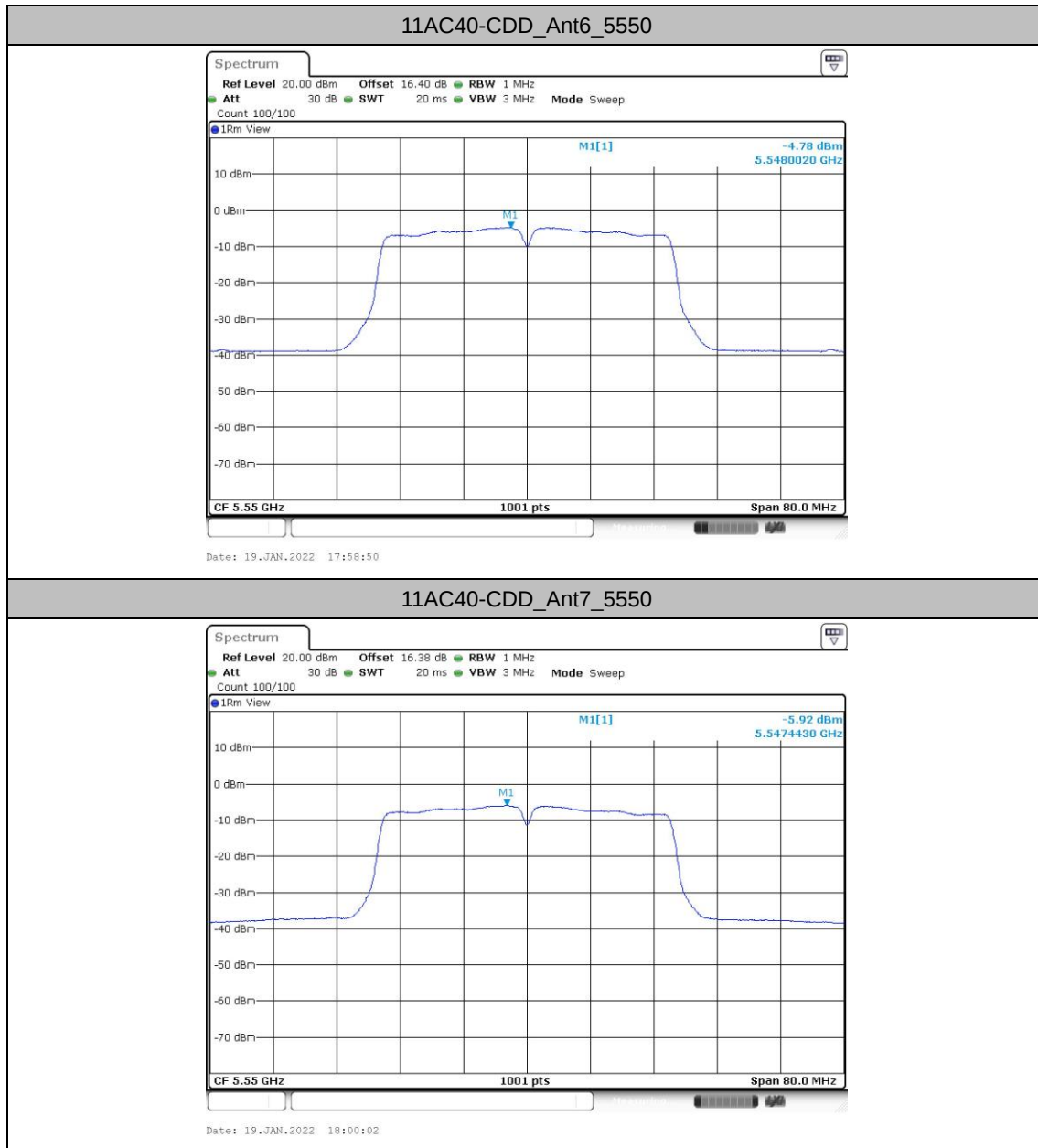
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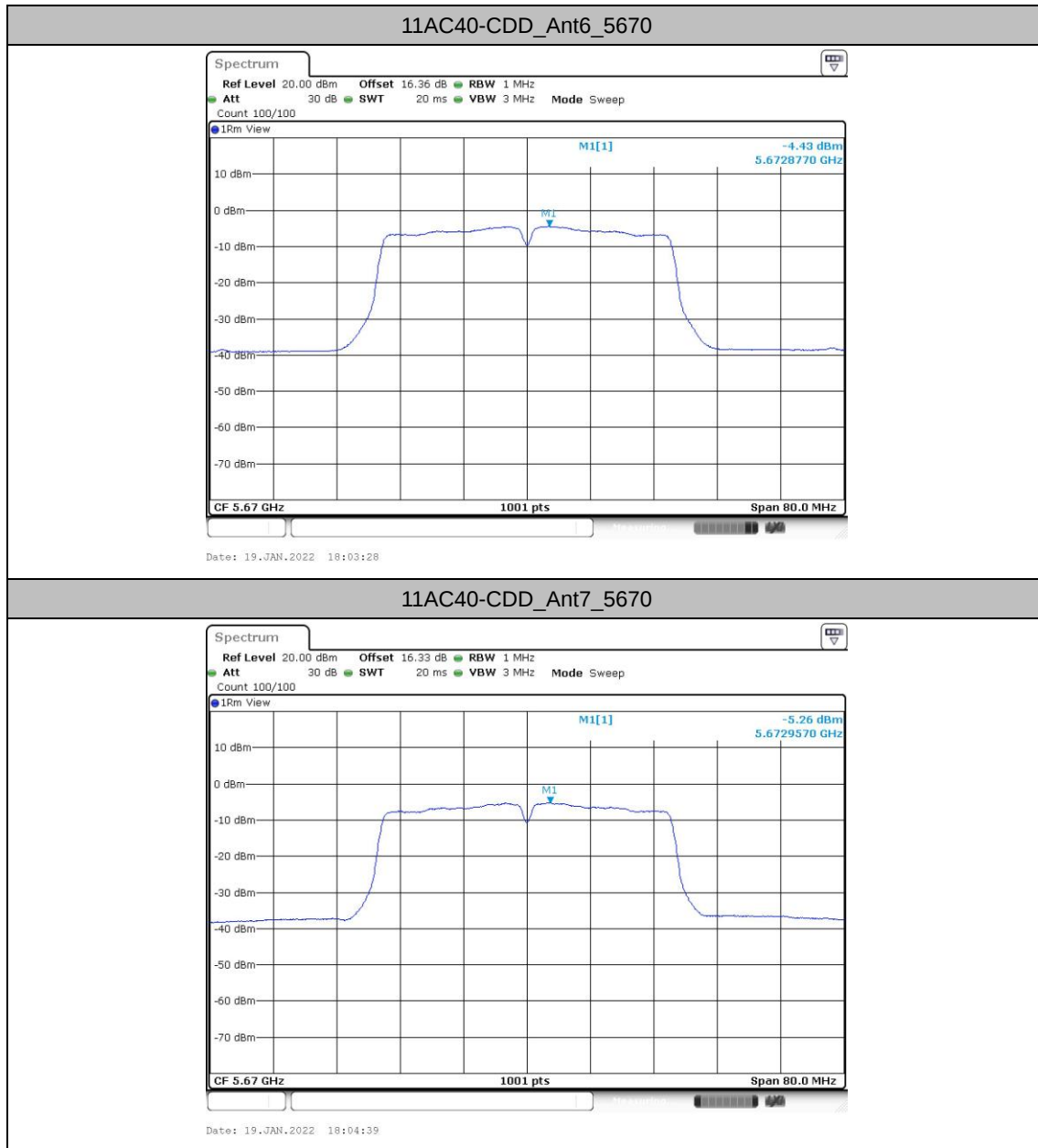


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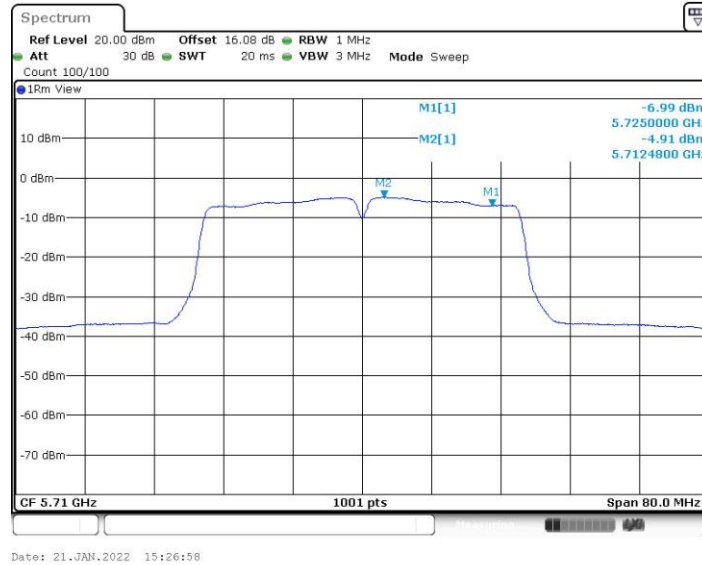








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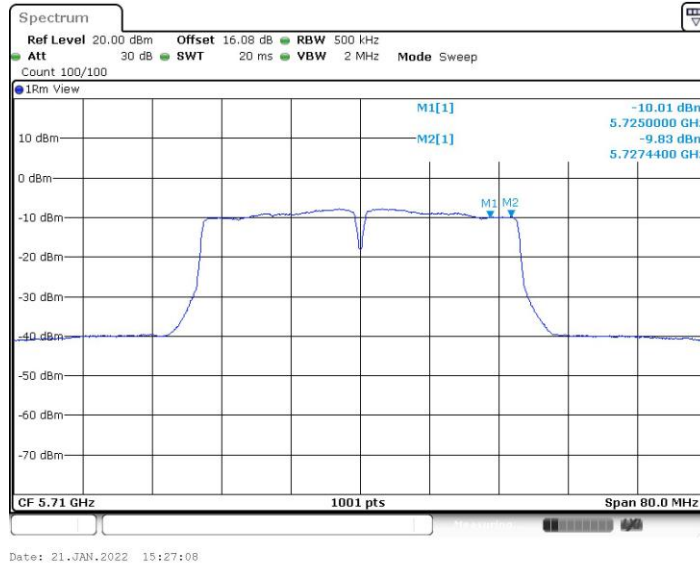


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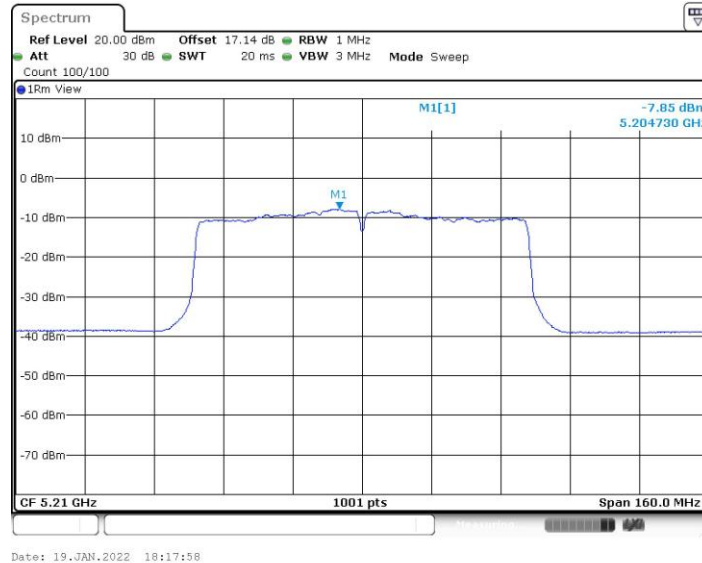
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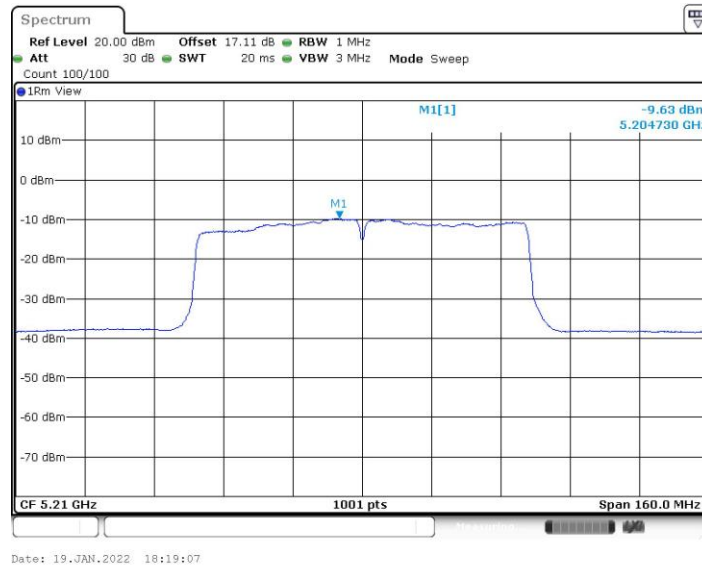
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11AC80-CDD_Ant7_5210

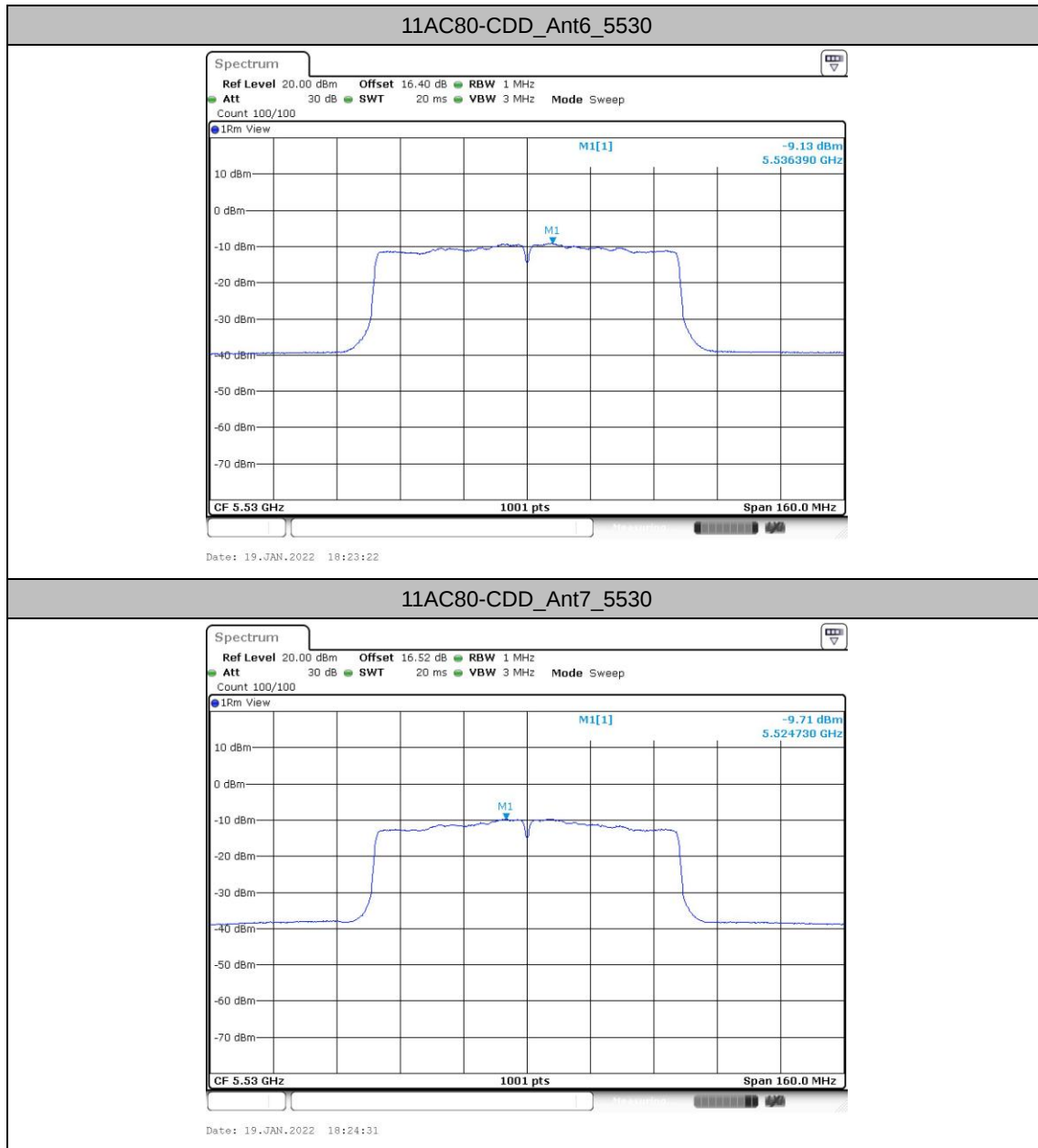


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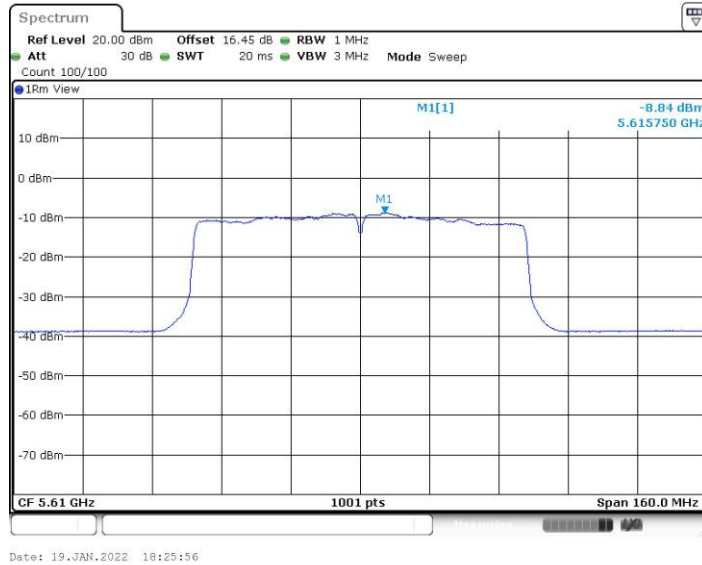


11AC80-CDD_Ant7_5290





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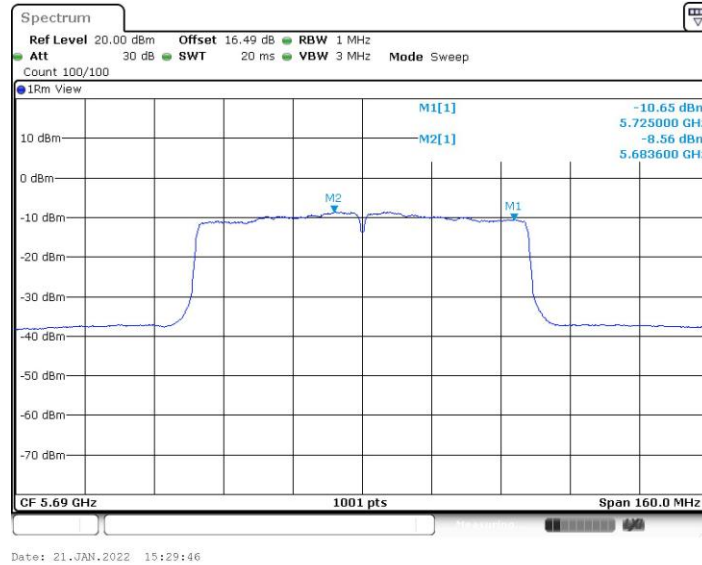


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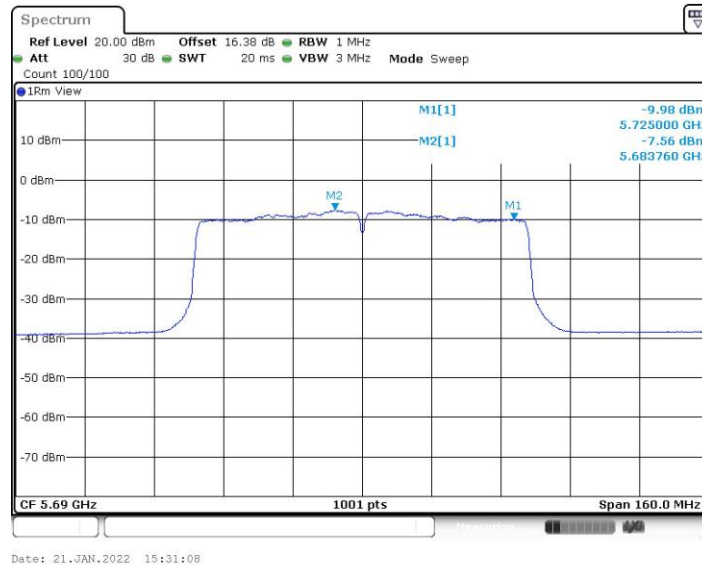




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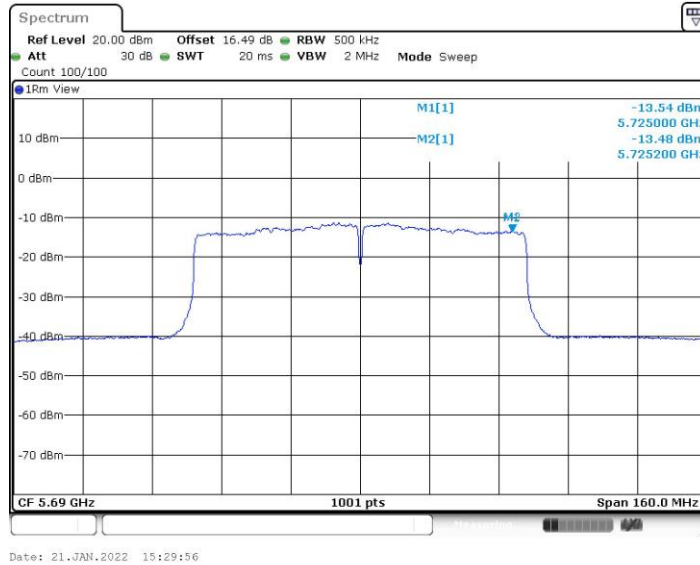


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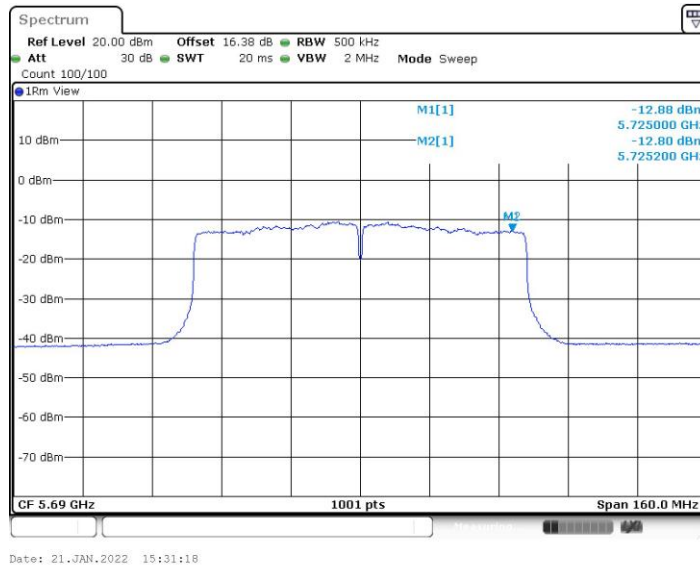




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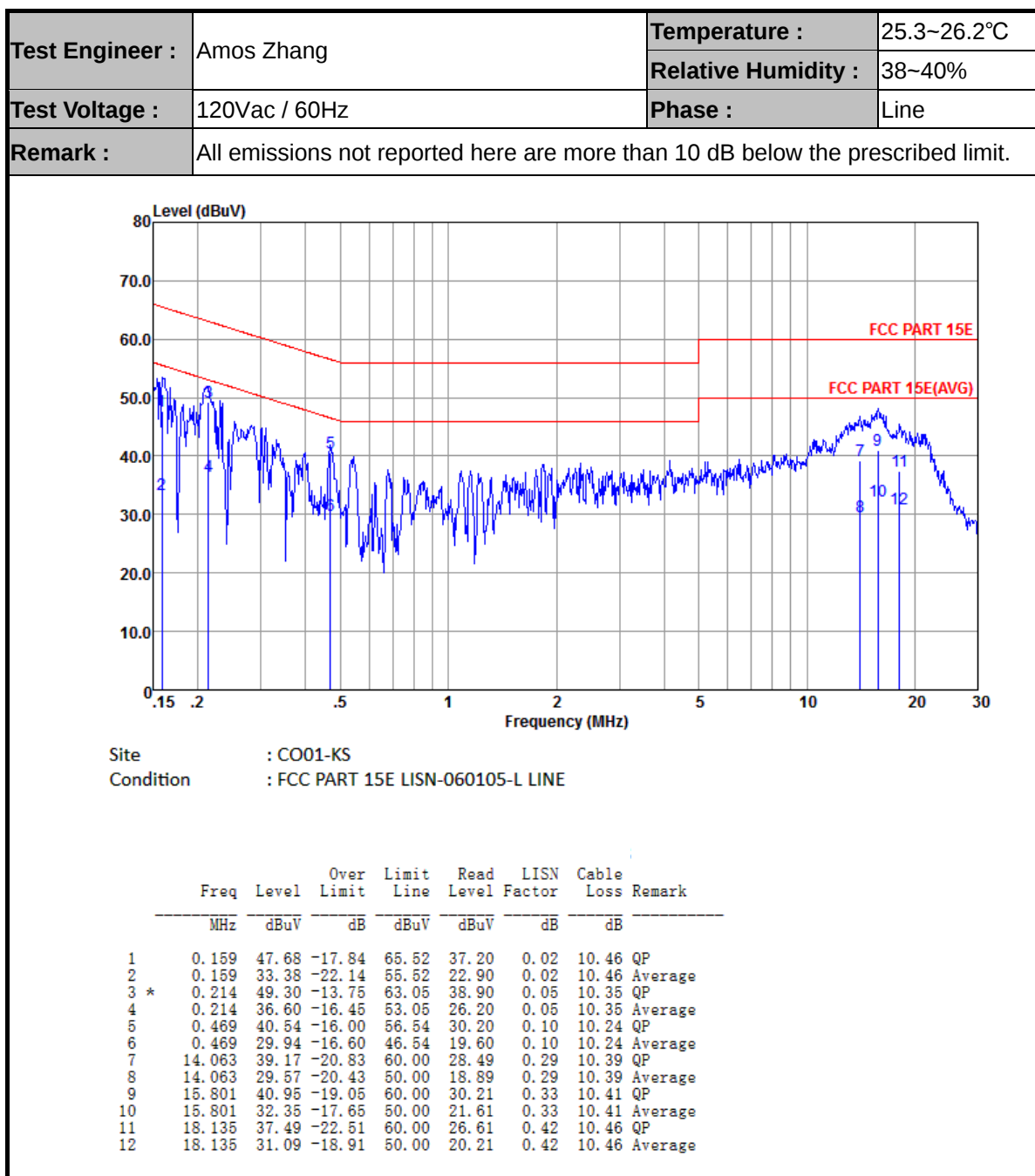


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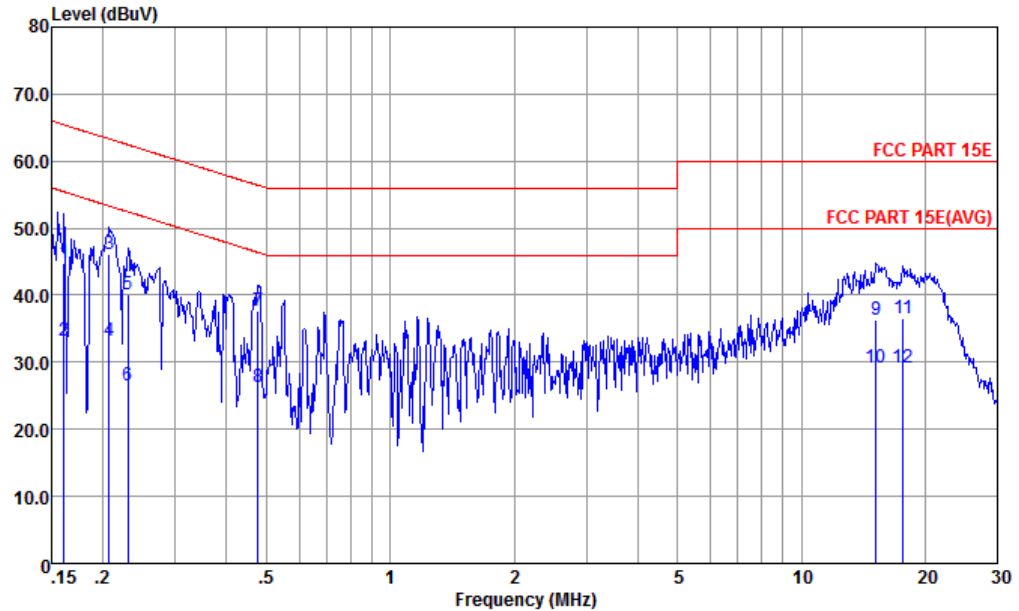


Appendix B. AC Conducted Emission Test Results





Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : FCC PART 15E LISN-060105-N NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.161	44.76	-20.67	65.43	34.20	0.11	10.45	QP
2	0.161	33.16	-22.27	55.43	22.60	0.11	10.45	Average
3 *	0.207	46.06	-17.26	63.32	35.60	0.10	10.36	QP
4	0.207	33.26	-20.06	53.32	22.80	0.10	10.36	Average
5	0.230	40.04	-22.40	62.44	29.60	0.10	10.34	QP
6	0.230	26.54	-25.90	52.44	16.10	0.10	10.34	Average
7	0.476	37.55	-18.86	56.41	27.20	0.11	10.24	QP
8	0.476	26.25	-20.16	46.41	15.90	0.11	10.24	Average
9	15.226	36.21	-23.79	60.00	25.49	0.32	10.40	QP
10	15.226	29.21	-20.79	50.00	18.49	0.32	10.40	Average
11	17.661	36.48	-23.52	60.00	25.60	0.43	10.45	QP
12	17.661	29.18	-20.82	50.00	18.30	0.43	10.45	Average

Note:

1. Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
2. Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)



Appendix C. Radiated Spurious Emission

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5132.64	58.77	-15.23	74	44.92	35.01	10.63	31.79	145	198	P	H
		5141.6	50.86	-3.14	54	36.99	35.01	10.65	31.79	145	198	A	H
	*	5182	104.73	-	-	90.8	35.06	10.69	31.82	145	198	P	H
		5182	98.06	-	-	84.13	35.06	10.69	31.82	145	198	A	H
		5137.76	56.78	-17.22	74	42.93	35.01	10.63	31.79	349	274	P	V
		5141.6	48	-6	54	34.13	35.01	10.65	31.79	349	274	A	V
	*	5176	100.32	-	-	86.4	35.05	10.69	31.82	349	274	P	V
		5176	93.97	-	-	80.05	35.05	10.69	31.82	349	274	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10355	46.45	-21.85	68.3	53.46	38.31	15.36	60.68	300	0	P	H
		10355	47.68	-20.62	68.3	54.69	38.31	15.36	60.68	100	0	P	V
802.11a CH 44 5220MHz		10443	46.21	-22.09	68.3	53.1	38.35	15.42	60.66	300	0	P	H
		10443	47.72	-20.58	68.3	54.61	38.35	15.42	60.66	100	0	P	V
802.11a CH 48 5240MHz		10476	47.09	-21.21	68.3	53.95	38.35	15.45	60.66	300	0	P	H
		10476	47.1	-21.2	68.3	53.96	38.35	15.45	60.66	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5141.92	58.35	-15.65	74	44.48	35.01	10.65	31.79	164	208	P	H
		5141.6	50.52	-3.48	54	36.65	35.01	10.65	31.79	164	208	A	H
	*	5182	102.21	-	-	88.28	35.06	10.69	31.82	164	208	P	H
		5182	95.3	-	-	81.37	35.06	10.69	31.82	164	208	A	H
		5120.48	56.6	-17.4	74	42.78	35	10.61	31.79	301	157	P	V
		5141.6	47.59	-6.41	54	33.72	35.01	10.65	31.79	301	157	A	V
	*	5182	100.13	-	-	86.2	35.06	10.69	31.82	301	157	P	V
		5182	92.8	-	-	78.87	35.06	10.69	31.82	301	157	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20		10355	47.06	-21.24	68.3	54.07	38.31	15.36	60.68	300	0	P	H
CH 36 5180MHz		10355	47.09	-21.21	68.3	54.1	38.31	15.36	60.68	100	0	P	V
802.11n HT20		10443	47	-21.3	68.3	53.89	38.35	15.42	60.66	300	0	P	H
CH 44 5220MHz		10443	46.72	-21.58	68.3	53.61	38.35	15.42	60.66	100	0	P	V
802.11n HT20		10476	47.34	-20.96	68.3	54.2	38.35	15.45	60.66	300	0	P	H
CH 48 5240MHz		10476	46.71	-21.59	68.3	53.57	38.35	15.45	60.66	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 38 5190MHz		5144.64	60.7	-13.3	74	46.83	35.03	10.65	31.81	156	203	P	H
		5149.12	50.2	-3.8	54	36.33	35.03	10.65	31.81	156	203	A	H
	*	5188	101.78	-	-	87.85	35.06	10.69	31.82	156	203	P	H
		5188	94.48	-	-	80.55	35.06	10.69	31.82	156	203	A	H
		5350.86	54.78	-19.22	74	40.71	35.22	10.78	31.93	156	203	P	H
		5374.98	45.55	-8.45	54	31.47	35.24	10.79	31.95	156	203	A	H
		5121.28	56.56	-17.44	74	42.74	35	10.61	31.79	282	136	P	V
		5149.76	47.14	-6.86	54	33.27	35.03	10.65	31.81	282	136	A	V
	*	5194	97.09	-	-	83.14	35.06	10.71	31.82	282	136	P	V
		5194	89.22	-	-	75.27	35.06	10.71	31.82	282	136	A	V
		5366.52	55.31	-18.69	74	41.21	35.24	10.79	31.93	282	136	P	V
		5371.92	45.67	-8.33	54	31.57	35.24	10.79	31.93	282	136	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40		10377	46.26	-22.04	68.3	53.21	38.33	15.39	60.67	300	0	P	H
CH 38 5190MHz		10377	46.76	-21.54	68.3	53.71	38.33	15.39	60.67	100	0	P	V
802.11ac VHT40		10465	46.62	-21.68	68.3	53.48	38.35	15.45	60.66	300	0	P	H
CH 46 5230MHz		10465	46.5	-21.8	68.3	53.36	38.35	15.45	60.66	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5138.56	59.49	-14.51	74	45.64	35.01	10.63	31.79	167	31	P	H
		5139.84	50.72	-3.28	54	36.85	35.01	10.65	31.79	167	31	A	H
	*	5218	97.32	-	-	83.35	35.09	10.72	31.84	167	31	P	H
		5218	89.78	-	-	75.81	35.09	10.72	31.84	167	31	A	H
		5350	55.31	-18.69	74	41.24	35.22	10.78	31.93	167	31	P	H
		5358.42	46.42	-7.58	54	32.35	35.22	10.78	31.93	167	31	A	H
		5149.28	57.24	-16.76	74	43.37	35.03	10.65	31.81	192	26	P	V
		5145.12	47.82	-6.18	54	33.95	35.03	10.65	31.81	192	26	A	V
	*	5212	87.99	-	-	74.02	35.09	10.72	31.84	192	26	P	V
		5212	80.3	-	-	66.33	35.09	10.72	31.84	192	26	A	V
		5361.12	55.4	-18.6	74	41.32	35.22	10.79	31.93	192	26	P	V
		5387.76	45.86	-8.14	54	31.75	35.26	10.8	31.95	192	26	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 1 5150~5250MHz****WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80		10421	47.82	-20.48	68.3	54.74	38.34	15.41	60.67	300	0	P	H
CH 42 5210MHz		10421	47.27	-21.03	68.3	54.19	38.34	15.41	60.67	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 64 5320MHz		5358.8	56.42	-17.58	74	42.35	35.22	10.78	31.93	141	200	P	H
		5358.4	50.01	-3.99	54	35.94	35.22	10.78	31.93	141	200	A	H
	*	5320	103.84	-	-	89.78	35.19	10.77	31.9	141	200	P	H
		5320	97.12	-	-	83.06	35.19	10.77	31.9	141	200	A	H
		5357.7	55.29	-18.71	74	41.22	35.22	10.78	31.93	365	262	P	V
		5358.3	46.36	-7.64	54	32.29	35.22	10.78	31.93	365	262	A	V
	*	5326	97.71	-	-	83.66	35.19	10.77	31.91	365	262	P	V
		5326	91.36	-	-	77.31	35.19	10.77	31.91	365	262	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	46.13	-22.17	68.3	52.93	38.37	15.48	60.65	300	0	P	H
		10520	46.67	-21.63	68.3	53.47	38.37	15.48	60.65	100	0	P	V
802.11a CH 60 5300MHz		10600	46.43	-27.57	74	53.12	38.4	15.54	60.63	300	0	P	H
		10600	47.05	-26.95	74	53.74	38.4	15.54	60.63	100	0	P	V
802.11a CH 64 5320MHz		10641	47.31	-26.69	74	53.95	38.41	15.57	60.62	300	0	P	H
		10641	46.28	-27.72	74	52.92	38.41	15.57	60.62	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 64 5320MHz		5358.8	56.03	-17.97	74	41.96	35.22	10.78	31.93	159	204	P	H
		5358.4	50.14	-3.86	54	36.07	35.22	10.78	31.93	159	204	A	H
	*	5320	102	-	-	87.94	35.19	10.77	31.9	159	204	P	H
		5320	95.2	-	-	81.14	35.19	10.77	31.9	159	204	A	H
		5366.2	54.89	-19.11	74	40.79	35.24	10.79	31.93	298	138	P	V
		5358.4	46.13	-7.87	54	32.06	35.22	10.78	31.93	298	138	A	V
	*	5320	98.83	-	-	84.77	35.19	10.77	31.9	298	138	P	V
		5320	91.84	-	-	77.78	35.19	10.77	31.9	298	138	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20		10520	47.16	-21.14	68.3	53.96	38.37	15.48	60.65	300	0	P	H
CH 52 5260MHz		10520	46.72	-21.58	68.3	53.52	38.37	15.48	60.65	100	0	P	V
802.11ac VHT20		10600	46.45	-27.55	74	53.14	38.4	15.54	60.63	300	0	P	H
CH 60 5300MHz		10600	47.38	-26.62	74	54.07	38.4	15.54	60.63	100	0	P	V
802.11ac VHT20		10641	46.09	-27.91	74	52.73	38.41	15.57	60.62	300	0	P	H
CH 64 5320MHz		10641	47.13	-26.87	74	53.77	38.41	15.57	60.62	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 62 5310MHz		5133.44	56.54	-17.46	74	42.69	35.01	10.63	31.79	157	204	P	H
		5112.64	46.78	-7.22	54	32.95	35	10.61	31.78	157	204	A	H
	*	5308	101.5	-	-	87.46	35.18	10.76	31.9	157	204	P	H
		5308	94.16	-	-	80.12	35.18	10.76	31.9	157	204	A	H
		5350.5	59.51	-14.49	74	45.44	35.22	10.78	31.93	157	204	P	H
		5350.5	50.56	-3.44	54	36.49	35.22	10.78	31.93	157	204	A	H
		5105.76	55.99	-18.01	74	42.18	34.98	10.61	31.78	367	264	P	V
		5116	46.66	-7.34	54	32.83	35	10.61	31.78	367	264	A	V
	*	5308	96.53	-	-	82.49	35.18	10.76	31.9	367	264	P	V
		5308	89.34	-	-	75.3	35.18	10.76	31.9	367	264	A	V
		5351.7	56.55	-17.45	74	42.48	35.22	10.78	31.93	367	264	P	V
		5350.1	46.95	-7.05	54	32.88	35.22	10.78	31.93	367	264	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40		10542	46.08	-22.22	68.3	52.84	38.38	15.5	60.64	300	0	P	H
CH 54 5270MHz		10542	46.28	-22.02	68.3	53.04	38.38	15.5	60.64	100	0	P	V
802.11ac VHT40		10619	46.35	-27.65	74	53.01	38.4	15.56	60.62	300	0	P	H
CH 62 5310MHz		10619	45.95	-28.05	74	52.61	38.4	15.56	60.62	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5109.76	56.64	-17.36	74	42.81	35	10.61	31.78	197	32	P	H
		5117.76	47.11	-6.89	54	33.28	35	10.61	31.78	197	32	A	H
	*	5272	97.22	-	-	83.22	35.14	10.74	31.88	197	32	P	H
		5272	89.71	-	-	75.71	35.14	10.74	31.88	197	32	A	H
		5357.2	59.11	-14.89	74	45.04	35.22	10.78	31.93	197	32	P	H
		5353.3	50.7	-3.3	54	36.63	35.22	10.78	31.93	197	32	A	H
		5108.64	55.81	-18.19	74	42	34.98	10.61	31.78	396	104	P	V
		5138.56	46.97	-7.03	54	33.12	35.01	10.63	31.79	396	104	A	V
	*	5296	93.21	-	-	79.17	35.16	10.76	31.88	396	104	P	V
		5296	84.75	-	-	70.71	35.16	10.76	31.88	396	104	A	V
		5374.7	55.81	-18.19	74	41.73	35.24	10.79	31.95	396	104	P	V
		5358.9	46.68	-7.32	54	32.61	35.22	10.78	31.93	396	104	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 2 5250~5350MHz****WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80		10575	46.33	-21.97	68.3	53.05	38.39	15.52	60.63	300	0	P	H
CH 58 5290MHz		10575	46.89	-21.41	68.3	53.61	38.39	15.52	60.63	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5445.04	56.54	-17.46	74	42.35	35.31	10.86	31.98	169	186	P	H
		5461.68	59.47	-8.83	68.3	45.25	35.32	10.89	31.99	169	186	P	H
		5459.98	47.49	-6.51	54	33.27	35.32	10.89	31.99	169	186	A	H
	*	5500	109.52	-	-	95.21	35.35	10.97	32.01	169	186	P	H
		5500	102.22	-	-	87.91	35.35	10.97	32.01	169	186	A	H
		5451.6	55.76	-18.24	74	41.54	35.32	10.89	31.99	300	289	P	V
		5461.2	57.09	-11.21	68.3	42.87	35.32	10.89	31.99	300	289	P	V
		5459.98	45.83	-8.17	54	31.61	35.32	10.89	31.99	300	289	A	V
	*	5500	103.24	-	-	88.93	35.35	10.97	32.01	300	289	P	V
		5500	96	-	-	81.69	35.35	10.97	32.01	300	289	A	V
802.11a CH 140 5700MHz		5727.96	63.27	-5.03	68.3	48.44	35.62	11.25	32.04	162	184	P	H
	*	5698	110.16	-	-	95.42	35.58	11.22	32.06	162	184	P	H
		5698	103.05	-	-	88.31	35.58	11.22	32.06	162	184	A	H
		5738.6	59.56	-8.74	68.3	44.68	35.62	11.27	32.01	365	190	P	V
	*	5698	105.85	-	-	91.11	35.58	11.22	32.06	365	190	P	V
		5698	99.23	-	-	84.49	35.58	11.22	32.06	365	190	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11004	47.32	-26.68	74	53.51	38.53	15.82	60.54	300	0	P	H
		11004	46.56	-27.44	74	52.75	38.53	15.82	60.54	100	0	P	V
802.11a CH 116 5580MHz		11158	46.55	-27.45	74	52.48	38.58	15.99	60.5	300	0	P	H
		11158	46.87	-27.13	74	52.8	38.58	15.99	60.5	100	0	P	V
802.11a CH 140 5700MHz		11136	46.65	-27.35	74	52.63	38.58	15.95	60.51	300	0	P	H
		11136	46.93	-27.07	74	52.91	38.58	15.95	60.51	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 100 5500MHz		5459.6	60.58	-13.42	74	46.36	35.32	10.89	31.99	167	181	P	H
		5469.84	61.85	-6.45	68.3	47.58	35.34	10.92	31.99	167	181	P	H
		5459.98	47.5	-6.5	54	33.28	35.32	10.89	31.99	167	181	A	H
	*	5506	108.06	-	-	93.74	35.37	10.97	32.02	167	181	P	H
		5506	101.41	-	-	87.09	35.37	10.97	32.02	167	181	A	H
		5459.12	56.36	-17.64	74	42.14	35.32	10.89	31.99	300	288	P	V
		5461.84	56.73	-11.57	68.3	42.51	35.32	10.89	31.99	300	288	P	V
		5452.56	46.08	-7.92	54	31.86	35.32	10.89	31.99	300	288	A	V
	*	5494	102.89	-	-	88.61	35.35	10.94	32.01	300	288	P	V
		5494	95.87	-	-	81.59	35.35	10.94	32.01	300	288	A	V
802.11ac VHT20 CH 140 5700MHz		5733.32	63.16	-5.14	68.3	48.3	35.62	11.25	32.01	136	179	P	H
	*	5704	110	-	-	95.25	35.58	11.23	32.06	136	179	P	H
		5704	102.95	-	-	88.2	35.58	11.23	32.06	136	179	A	H
		5726.84	60.33	-7.97	68.3	45.5	35.62	11.25	32.04	184	187	P	V
	*	5704	104.61	-	-	89.86	35.58	11.23	32.06	184	187	P	V
		5704	97.79	-	-	83.04	35.58	11.23	32.06	184	187	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20		11004	46.64	-27.36	74	52.83	38.53	15.82	60.54	300	0	P	H
CH 100 5500MHz		11004	46.92	-27.08	74	53.11	38.53	15.82	60.54	100	0	P	V
802.11ac VHT20		11158	48.16	-25.84	74	54.09	38.58	15.99	60.5	300	0	P	H
CH 116 5580MHz		11158	47.05	-26.95	74	52.98	38.58	15.99	60.5	100	0	P	V
802.11ac VHT20		11400	46.7	-27.3	74	52.26	38.67	16.22	60.45	300	0	P	H
CH 140 5700MHz		11400	47.05	-26.95	74	52.61	38.67	16.22	60.45	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 102 5510MHz		5458	60.05	-13.95	74	45.83	35.32	10.89	31.99	212	1	P	H
		5470	64.1	-4.2	68.3	49.83	35.34	10.92	31.99	212	1	P	H
		5459.12	50.31	-3.69	54	36.09	35.32	10.89	31.99	212	1	A	H
	*	5512	104.92	-	-	90.6	35.37	10.97	32.02	212	1	P	H
		5512	98	-	-	83.68	35.37	10.97	32.02	212	1	A	H
		5763.32	57.42	-10.88	68.3	42.45	35.67	11.29	31.99	212	1	P	H
		5458.96	56.5	-17.5	74	42.28	35.32	10.89	31.99	287	356	P	V
		5469.68	58.98	-9.32	68.3	44.71	35.34	10.92	31.99	287	356	P	V
		5459.44	47.28	-6.72	54	33.06	35.32	10.89	31.99	287	356	A	V
	*	5506	101.11	-	-	86.79	35.37	10.97	32.02	287	356	P	V
		5506	93.59	-	-	79.27	35.37	10.97	32.02	287	356	A	V
		5758.76	57.02	-11.28	68.3	42.05	35.67	11.29	31.99	287	356	P	V
802.11ac VHT40 CH 134 5670MHz		5452.88	55.07	-18.93	74	40.85	35.32	10.89	31.99	213	0	P	H
		5466	55.36	-12.94	68.3	41.11	35.32	10.92	31.99	213	0	P	H
		5441.84	45.96	-8.04	54	31.77	35.31	10.86	31.98	213	0	A	H
	*	5674	107.39	-	-	92.72	35.55	11.2	32.08	213	0	P	H
		5674	99.89	-	-	85.22	35.55	11.2	32.08	213	0	A	H
		5731.16	60.41	-7.89	68.3	45.55	35.62	11.25	32.01	213	0	P	H
		5406.64	55.36	-18.64	74	41.24	35.27	10.81	31.96	257	355	P	V
		5460.24	56.55	-11.75	68.3	42.33	35.32	10.89	31.99	257	355	P	V
		5447.92	45.9	-8.1	54	31.68	35.31	10.89	31.98	257	355	A	V
	*	5674	103.97	-	-	89.3	35.55	11.2	32.08	257	355	P	V
		5674	96.73	-	-	82.06	35.55	11.2	32.08	257	355	A	V
		5739.72	58.39	-9.91	68.3	43.48	35.65	11.27	32.01	257	355	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40		11015	46.21	-27.79	74	52.37	38.54	15.84	60.54	300	0	P	H
CH 102 5510MHz		11015	46.63	-27.37	74	52.79	38.54	15.84	60.54	100	0	P	V
802.11ac VHT40		11103	46.61	-27.39	74	52.65	38.56	15.92	60.52	300	0	P	H
CH 110 5550MHz		11103	47.5	-26.5	74	53.54	38.56	15.92	60.52	100	0	P	V
802.11ac VHT40		11345	46.36	-27.64	74	52.01	38.64	16.17	60.46	300	0	P	H
CH 134 5670MHz		11345	46.79	-27.21	74	52.44	38.64	16.17	60.46	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5459.92	58.15	-15.85	74	43.93	35.32	10.89	31.99	292	30	P	H
		5463.6	59.72	-8.58	68.3	45.47	35.32	10.92	31.99	292	30	P	H
		5460	50.62	-3.38	54	36.4	35.32	10.89	31.99	292	30	A	H
	*	5524	100.77	-	-	86.4	35.39	11	32.02	292	30	P	H
		5524	92.94	-	-	78.57	35.39	11	32.02	292	30	A	H
		5751.96	56.6	-11.7	68.3	41.67	35.65	11.29	32.01	292	30	P	H
		5429.84	55.67	-18.33	74	41.5	35.29	10.86	31.98	270	0	P	V
		5460.72	55.41	-12.89	68.3	41.19	35.32	10.89	31.99	270	0	P	V
		5457.36	47.92	-6.08	54	33.7	35.32	10.89	31.99	270	0	A	V
	*	5536	97.01	-	-	82.63	35.4	11.02	32.04	270	0	P	V
		5536	89.22	-	-	74.84	35.4	11.02	32.04	270	0	A	V
		5744.92	56.69	-11.61	68.3	41.78	35.65	11.27	32.01	270	0	P	V
802.11ac VHT80 CH 122 5610MHz		5356.08	56.09	-17.91	74	42.02	35.22	10.78	31.93	271	26	P	H
		5469.04	57.16	-11.14	68.3	42.89	35.34	10.92	31.99	271	26	P	H
		5458.48	47.15	-6.85	54	32.93	35.32	10.89	31.99	271	26	A	H
	*	5602	104.55	-	-	90.04	35.45	11.13	32.07	271	26	P	H
		5602	96.66	-	-	82.15	35.45	11.13	32.07	271	26	A	H
		5725.72	60.14	-8.16	68.3	45.31	35.62	11.25	32.04	271	26	P	H
		5418	55.03	-18.97	74	40.86	35.29	10.84	31.96	263	1	P	V
		5469.2	55.34	-12.96	68.3	41.07	35.34	10.92	31.99	263	1	P	V
		5459.28	46.46	-7.54	54	32.24	35.32	10.89	31.99	263	1	A	V
	*	5620	100.93	-	-	86.39	35.47	11.15	32.08	263	1	P	V
		5620	93.09	-	-	78.55	35.47	11.15	32.08	263	1	A	V
		5743.32	57.77	-10.53	68.3	42.86	35.65	11.27	32.01	263	1	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80		11059	47.22	-26.78	74	53.31	38.55	15.89	60.53	300	0	P	H
CH 106 5530MHz		11059	47.77	-26.23	74	53.86	38.55	15.89	60.53	100	0	P	V
802.11ac VHT80		11224	46.51	-27.49	74	52.36	38.6	16.04	60.49	300	0	P	H
CH 122 5610MHz		11224	46.88	-27.12	74	52.73	38.6	16.04	60.49	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz	*	5722	108.36	-	-	93.55	35.6	11.25	32.04	300	0	P	H
		5722	100.77	-	-	85.96	35.6	11.25	32.04	300	0	A	H
	*	5722	105.43	-	-	90.62	35.6	11.25	32.04	100	0	P	V
		5722	98.56	-	-	83.75	35.6	11.25	32.04	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11444	47.07	-26.93	74	52.57	38.68	16.26	60.44	300	0	P	H
		11444	47.41	-26.59	74	52.91	38.68	16.26	60.44	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac	*	5716	107.97	-	-	93.18	35.6	11.23	32.04	300	0	P	H
VHT20		5716	100.01	-	-	85.22	35.6	11.23	32.04	300	0	A	H
CH 144	*	5722	105.2	-	-	90.39	35.6	11.25	32.04	100	0	P	V
5720MHz		5722	95.35	-	-	80.54	35.6	11.25	32.04	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20		11444	46.51	-27.49	74	52.01	38.68	16.26	60.44	300	0	P	H
CH 144 5720MHz		11444	46.63	-27.37	74	52.13	38.68	16.26	60.44	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac	*	5704	105.73	-	-	90.98	35.58	11.23	32.06	300	0	P	H
VHT40		5704	96.02	-	-	81.27	35.58	11.23	32.06	300	0	A	H
CH 142	*	5704	103.24	-	-	88.49	35.58	11.23	32.06	100	0	P	V
5710MHz		5704	95.97	-	-	81.22	35.58	11.23	32.06	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40		11422	47.18	-26.82	74	52.72	38.67	16.24	60.45	300	0	P	H
CH 142 5710MHz		11422	46.49	-27.51	74	52.03	38.67	16.24	60.45	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac	*	5680	102.79	-	-	88.1	35.55	11.2	32.06	300	0	P	H
VHT80		5680	94.9	-	-	80.21	35.55	11.2	32.06	300	0	A	H
CH 138	*	5698	100.31	-	-	85.57	35.58	11.22	32.06	100	0	P	V
5690MHz		5698	93.95	-	-	79.21	35.58	11.22	32.06	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80		11378	46.36	-27.64	74	51.98	38.65	16.19	60.46	300	0	P	H
CH 138 5690MHz		11378	46.13	-27.87	74	51.75	38.65	16.19	60.46	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		30	21.9	-18.1	40	27.95	24.6	0.58	31.23	-	-	P	H
		156.1	20.64	-22.86	43.5	33.75	16.2	2.01	31.32	-	-	P	H
		285.11	26.12	-19.88	46	35.58	19.37	2.73	31.56	-	-	P	H
		322.94	25.88	-20.12	46	34.84	19.77	2.91	31.64	-	-	P	H
		768.17	27.55	-18.45	46	28.45	25.74	4.51	31.15	-	-	P	H
		929.19	29.13	-16.87	46	28	26.82	4.97	30.66	-	-	P	H
		30	28.12	-11.88	40	34.17	24.6	0.58	31.23	-	-	P	V
		260.86	18.67	-27.33	46	27.98	19.5	2.61	31.42	-	-	P	V
		296.75	20.47	-25.53	46	29.99	19.31	2.79	31.62	-	-	P	V
		561.56	25.92	-20.08	46	28.7	24.93	3.85	31.56	-	-	P	V
		793.39	28.56	-17.44	46	29.4	25.79	4.58	31.21	-	-	P	V
		904.94	29.1	-16.9	46	28.55	26.72	4.9	31.07	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

**Co-location:****WWAN LTE 41 Link + WLAN 5GHz 11a CH36(Ant.6) + BLE 2Mbps CH39(Ant.6)****Band 1 - 5150~5250MHz****WIFI 802.11a (Band Edge @ 3m)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5147.84	58.08	-15.92	74	44.21	35.03	10.65	31.81	190	24	P	H
		5141.6	50.27	-3.73	54	36.4	35.01	10.65	31.79	190	24	A	H
		5176	100.86	-	-	86.94	35.05	10.69	31.82	190	24	P	H
		5176	93.8	-	-	79.88	35.05	10.69	31.82	190	24	A	H
		5142.24	57.62	-16.38	74	43.75	35.01	10.65	31.79	263	87	P	V
		5141.6	49.28	-4.72	54	35.41	35.01	10.65	31.79	263	87	A	V
		5182	99.72	-	-	85.79	35.06	10.69	31.82	263	87	P	V
		5182	92.4	-	-	78.47	35.06	10.69	31.82	263	87	A	V
BLE CH 39 2480MHz		2483.62	54.89	-19.11	74	49.13	31.13	7.27	32.64	166	69	P	H
		2483.5	46.66	-7.34	54	40.9	31.13	7.27	32.64	166	69	A	H
		2480	102.28	-	-	96.52	31.13	7.27	32.64	166	69	P	H
		2480	101.14	-	-	95.38	31.13	7.27	32.64	166	69	A	H
		2484.76	55.08	-18.92	74	49.32	31.13	7.27	32.64	301	106	P	V
		2483.5	44.86	-9.14	54	39.1	31.13	7.27	32.64	301	106	A	V
		2480	97.67	-	-	91.91	31.13	7.27	32.64	301	106	P	V
		2480	97.05	-	-	91.29	31.13	7.27	32.64	301	106	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
WWAN+WLAN+BLE		4965	41.89	-32.11	74	56.66	34.81	10.43	60.01	300	0	P	H
		7440	44.23	-29.77	74	55.3	36.59	12.88	60.54	300	0	P	H
		10355	46.17	-22.13	68.3	53.18	38.31	15.36	60.68	300	0	P	H
		4965	42.32	-31.68	74	57.09	34.81	10.43	60.01	100	0	P	V
		7440	44.53	-29.47	74	55.6	36.59	12.88	60.54	100	0	P	V
		10355	46.05	-22.25	68.3	53.06	38.31	15.36	60.68	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Co-location:**

WWAN LTE 41 Link + WLAN 5GHz 11a CH36(Ant.7) + BLE 2Mbps CH39(Ant.6)

Band 1 - 5150~5250MHz**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5126.72	55.96	-18.04	74	42.11	35.01	10.63	31.79	121	336	P	H
		5111.2	45.61	-8.39	54	31.78	35	10.61	31.78	121	336	A	H
		5182	92.44	-	-	78.51	35.06	10.69	31.82	121	336	P	H
		5182	84.95	-	-	71.02	35.06	10.69	31.82	121	336	A	H
		5131.68	56.12	-17.88	74	42.27	35.01	10.63	31.79	300	310	P	V
		5115.68	45.55	-8.45	54	31.72	35	10.61	31.78	300	310	A	V
		5182	90.04	-	-	76.11	35.06	10.69	31.82	300	310	P	V
		5182	82.71	-	-	68.78	35.06	10.69	31.82	300	310	A	V
BLE CH 39 2480MHz		2500	54.2	-19.8	74	48.3	31.17	7.3	32.57	162	69	P	H
		2483.5	47.98	-6.02	54	42.22	31.13	7.27	32.64	162	69	A	H
		2480	103.12	-	-	97.36	31.13	7.27	32.64	162	69	P	H
		2480	102.62	-	-	96.86	31.13	7.27	32.64	162	69	A	H
		2499.1	54.59	-19.41	74	48.69	31.17	7.3	32.57	400	88	P	V
		2483.5	45.79	-8.21	54	40.03	31.13	7.27	32.64	400	88	A	V
		2480	95.9	-	-	90.14	31.13	7.27	32.64	400	88	P	V
		2480	95.21	-	-	89.45	31.13	7.27	32.64	400	88	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
WWAN+WLAN+BLE		4965	42.3	-31.7	74	57.07	34.81	10.43	60.01	300	0	P	H
		7440	44.06	-29.94	74	55.13	36.59	12.88	60.54	300	0	P	H
		10388	45.97	-22.33	68.3	52.92	38.33	15.39	60.67	300	0	P	H
		4965	41.69	-32.31	74	56.46	34.81	10.43	60.01	100	0	P	V
		7440	45.58	-28.42	74	56.65	36.59	12.88	60.54	100	0	P	V
		10388	45.8	-22.5	68.3	52.75	38.33	15.39	60.67	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Co-location:**

WWAN LTE 41 Link + WLAN 5GHz 11a CH36(Ant.6+7) + BLE 2Mbps CH39(Ant.6)

Band 1 - 5150~5250MHz**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5134.56	56.27	-17.73	74	42.42	35.01	10.63	31.79	100	3	P	H
		5141.6	46.97	-7.03	54	33.1	35.01	10.65	31.79	100	3	A	H
		5182	95.75	-	-	81.82	35.06	10.69	31.82	100	3	P	H
		5182	89.21	-	-	75.28	35.06	10.69	31.82	100	3	A	H
		5106.72	55.79	-18.21	74	41.98	34.98	10.61	31.78	110	354	P	V
		5141.6	45.59	-8.41	54	31.72	35.01	10.65	31.79	110	354	A	V
		5182	92	-	-	78.07	35.06	10.69	31.82	110	354	P	V
		5182	84.45	-	-	70.52	35.06	10.69	31.82	110	354	A	V
BLE CH 39 2480MHz		2483.74	55.26	-18.74	74	49.5	31.13	7.27	32.64	354	333	P	H
		2483.5	43.64	-10.36	54	37.88	31.13	7.27	32.64	354	333	A	H
		2480	94.04	-	-	88.28	31.13	7.27	32.64	354	333	P	H
		2480	93.28	-	-	87.52	31.13	7.27	32.64	354	333	A	H
		2493.34	54.37	-19.63	74	48.47	31.17	7.3	32.57	226	118	P	V
		2483.5	43.53	-10.47	54	37.77	31.13	7.27	32.64	226	118	A	V
		2480	93.09	-	-	87.33	31.13	7.27	32.64	226	118	P	V
		2480	92.35	-	-	86.59	31.13	7.27	32.64	226	118	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
WWAN+WLAN+BLE		4965	49.91	-24.09	74	64.68	34.81	10.43	60.01	300	0	P	H
		7440	44.41	-29.59	74	55.48	36.59	12.88	60.54	300	0	P	H
		10355	45.94	-22.36	68.3	52.95	38.31	15.36	60.68	300	0	P	H
		15503	54.71	-19.29	74	54.57	40.78	19.19	59.83	127	45	P	H
		15503	43.64	-10.36	54	43.5	40.78	19.19	59.83	127	46	A	H
		4965	49.91	-24.09	74	64.68	34.81	10.43	60.01	300	0	P	V
		7440	44.41	-29.59	74	55.48	36.59	12.88	60.54	300	0	P	V
		10355	46.36	-21.94	68.3	53.37	38.31	15.36	60.68	100	0	P	V
		15503	54.61	-19.39	74	54.47	40.78	19.19	59.83	100	47	P	V
		15503	44.35	-9.65	54	44.21	40.78	19.19	59.83	100	47	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	P eak or A verage
H/V	H orizontal or V ertical



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
 = 55.45 (dBμV/m)
2. Over Limit(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 74(dBμV/m)
 = -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



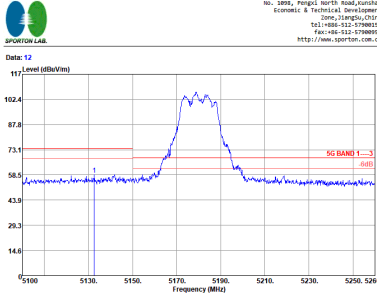
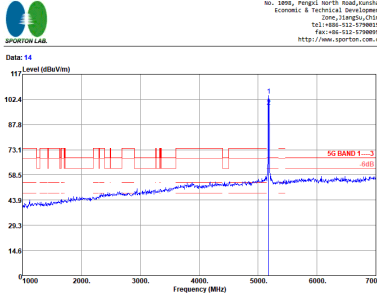
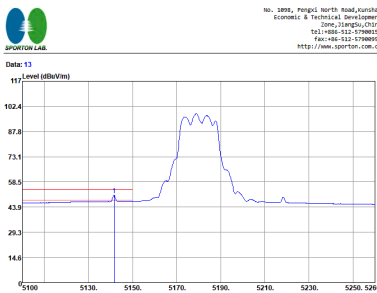
Appendix D. Radiated Spurious Emission Plots

Note symbol

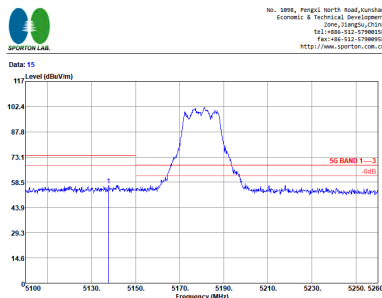
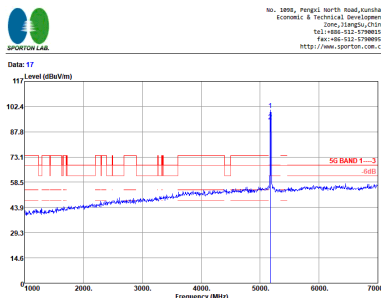
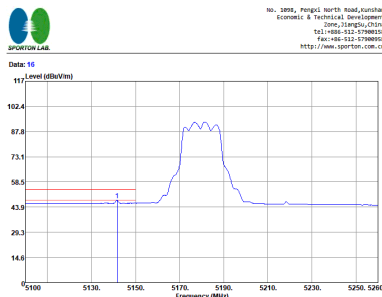
-L	Low channel location
-R	High channel location



Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

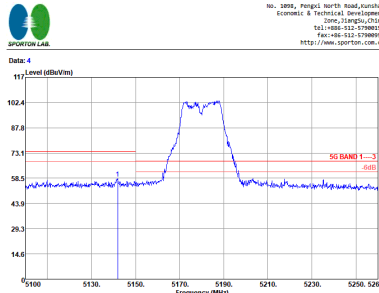
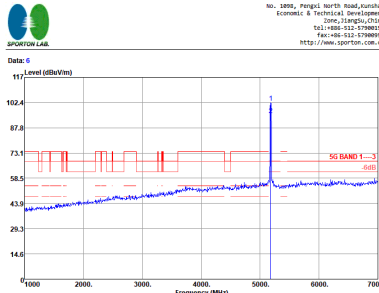
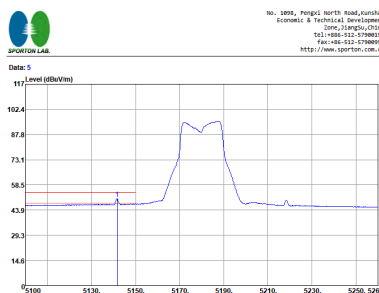
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
6+7	Horizontal	Fundamental
Peak	 Data: 13 Level (dBuV/m) 197 102.4 87.8 73.1 58.5 43.9 29.3 14.6 5100 5130 5160 5190 5220 5250 5280 Frequency (MHz) Site : 83CH06-KS Condition : SG BAND 1----3 3m 3117 SN 00218642 HORIZONTAL Project : RBU:1000.000000Hz VBU:1000.000000Hz SHT:Auto Mode : (FR)100310 Plane : Y ZNEI : Single-directivity PowerSetting : 14 Over Limit Read CableAntenna Preamp A/Pos T/Pos Freq Level Limit Line Level Loss Factor Factor MHz dBuV/m dB dBuV/m dB dB/m dB cm deg 1 5132.64 56.77 -15.23 74.00 44.92 10.63 35.81 31.79 145 198 Peak	 Data: 14 Level (dBuV/m) 197 102.4 87.8 73.1 58.5 43.9 29.3 14.6 1000 2000 3000 4000 5000 6000 7000 Frequency (MHz) Site : 83CH06-KS Condition : SG BAND 1----3 3m 3117 SN 00218642 HORIZONTAL Project : RBU:1000.000000Hz VBU:1000.000000Hz SHT:Auto Mode : (FR)100310 Plane : Y ZNEI : Single-directivity PowerSetting : 14 Over Limit Read CableAntenna Preamp A/Pos T/Pos Freq Level Limit Line Level Loss Factor Factor MHz dBuV/m dB dBuV/m dB dB/m dB cm deg 1 * 5182.00 104.73 36.43 68.38 90.89 18.69 35.86 31.82 145 198 Peak 2 5182.00 95.86 64.13 16.69 35.86 31.82 145 198 Average
Avg.	 Data: 13 Level (dBuV/m) 197 102.4 87.8 73.1 58.5 43.9 29.3 14.6 5100 5130 5160 5190 5220 5250 5280 Frequency (MHz) Site : 83CH06-KS Condition : SG BAND 1----3 (AVG) 3m 3117 SN 00218642 HORIZONTAL Project : RBU:1000.000000Hz VBU:1000.000000Hz SHT:Auto Mode : (FR)100310 Plane : Y ZNEI : Single-directivity PowerSetting : 14 Over Limit Read CableAntenna Preamp A/Pos T/Pos Freq Level Limit Line Level Loss Factor Factor MHz dBuV/m dB dBuV/m dB dB/m dB cm deg 1 5141.68 58.86 -3.14 54.00 36.99 10.65 35.81 31.79 145 198 Average	Left blank



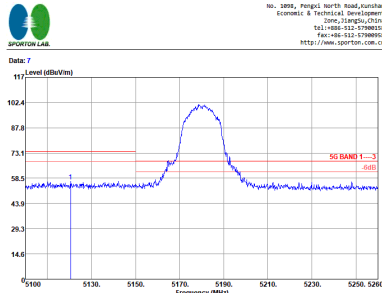
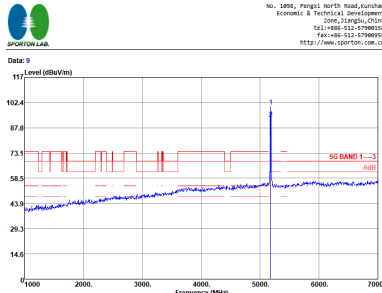
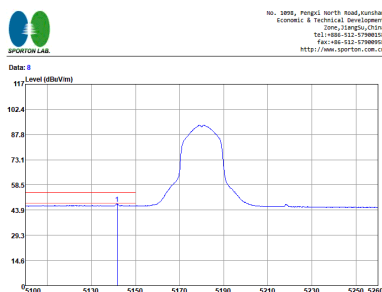
WIFI	Band 1 5150~5250MHz Band Edge @ 3m																																																																																						
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6+7	Vertical	Fundamental																																																																																					
Peak	 No. 3895, Pengli North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-7700010 Fax: +86-512-7700010 http://www.sporton.com.cn SPORTON LAB. Date: 15 Site : 83086-KS Condition : SG BAND 1----3 3m 3117 SN 00218642 VERTICAL Project : RBW:1000.000KHz VBW:3000.000KHz SW:Auto Model : FPL100310 Plane : Y Polar : Single-directivity Power : 14 Power : 14 <table><thead><tr><th>Over</th><th>Limit</th><th>Read</th><th>CableAntenna</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level</th><th>Loss</th><th>Factor</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5137.76</td><td>56.78</td><td>-17.22</td><td>74.00</td><td>42.93</td><td>10.63</td><td>35.81</td><td>31.79</td><td>349</td><td>274</td><td>Peak</td></tr></tbody></table>  No. 3895, Pengli North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-7700010 Fax: +86-512-7700010 http://www.sporton.com.cn SPORTON LAB. Date: 17 Site : 83086-KS Condition : SG BAND 1----3 3m 3117 SN 00218642 VERTICAL Project : RBW:1000.000KHz VBW:3000.000KHz SW:Auto Model : FPL100310 Plane : Y Polar : Single-directivity Power : 14 Power : 14 <table><thead><tr><th>Over</th><th>Limit</th><th>Read</th><th>CableAntenna</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level</th><th>Loss</th><th>Factor</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5176.00</td><td>100.32</td><td>32.02</td><td>68.30</td><td>88.40</td><td>10.69</td><td>35.85</td><td>31.82</td><td>349</td><td>274</td><td>Peak</td></tr><tr><td>2</td><td>5176.00</td><td>93.97</td><td>.....</td><td>80.05</td><td>10.69</td><td>35.85</td><td>31.82</td><td>349</td><td>274</td><td>Average</td></tr></tbody></table>	Over	Limit	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Limit	Line	Level	Loss	Factor	Factor	MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg	1	5137.76	56.78	-17.22	74.00	42.93	10.63	35.81	31.79	349	274	Peak	Over	Limit	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Limit	Line	Level	Loss	Factor	Factor	MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg	1	5176.00	100.32	32.02	68.30	88.40	10.69	35.85	31.82	349	274	Peak	2	5176.00	93.97		80.05	10.69	35.85	31.82	349	274	Average	Left blank
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 No. 3895, Pengli North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-7700010 Fax: +86-512-7700010 http://www.sporton.com.cn SPORTON LAB. Date: 16 Site : 83086-KS Condition : SG BAND 1----3 (Ave) 3m 3117 SN 00218642 VERTICAL Project : RBW:1000.000KHz VBW:8.000KHz SW:Auto Model : FPL100310 Plane : Y Polar : Single-directivity Power : 14 Power : 14 <table><thead><tr><th>Over</th><th>Limit</th><th>Read</th><th>CableAntenna</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level</th><th>Loss</th><th>Factor</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5141.68</td><td>48.00</td><td>-6.00</td><td>54.00</td><td>34.13</td><td>10.65</td><td>35.81</td><td>31.79</td><td>349</td><td>274</td><td>Average</td></tr></tbody></table>	Over	Limit	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Limit	Line	Level	Loss	Factor	Factor	MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg	1	5141.68	48.00	-6.00	54.00	34.13	10.65	35.81	31.79	349	274	Average																																																		
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Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

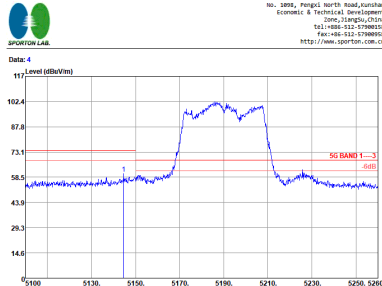
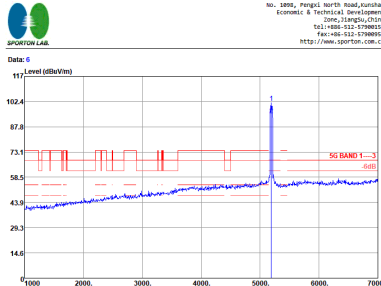
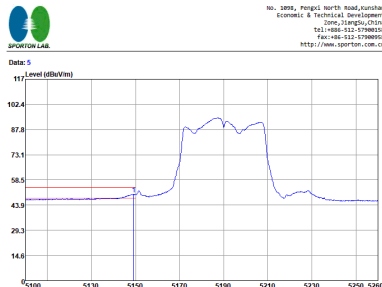
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Peak	 No. 1889, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57988918 Fax: +86-512-57988918 http://www.sporton.com.cn Site : 83086-KS Condition : 5G BAND 1----3 3e 3117 SW 00218642 HORIZONTAL Project : 802.11ac VHT20 CH36 5180MHz SWT:Auto Mode : 18 Plane : V Polarization : Single-directivity PowerSetting : 14 <table><tr><th>Over</th><th>Limit</th><th>Read</th><th>CableAntenna</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Loss</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB/m</th><th>dB</th><th>cm</th></tr><tr><td>1 5141.92</td><td>58.35</td><td>-15.65</td><td>74.00</td><td>44.48</td><td>10.65</td><td>35.81</td><td>31.79 164 200 Peak</td></tr></table>  No. 1889, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57988918 Fax: +86-512-57988918 http://www.sporton.com.cn Site : 83086-KS Condition : 5G BAND 1----3 3e 3117 SW 00218642 HORIZONTAL Project : 802.11ac VHT20 CH36 5180MHz SWT:Auto Mode : 18 Plane : V Polarization : Single-directivity PowerSetting : 14 <table><tr><th>Over</th><th>Limit</th><th>Read</th><th>CableAntenna</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Loss</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB/m</th><th>dB</th><th>cm</th></tr><tr><td>1 * 5182.00</td><td>182.21</td><td>31.91</td><td>68.30</td><td>88.28</td><td>18.69</td><td>35.86</td><td>31.82 164 200 Peak</td></tr><tr><td>2 5182.00</td><td>95.30</td><td>-----</td><td>81.37</td><td>18.69</td><td>35.86</td><td>31.82</td><td>164 200 Average</td></tr></table>	Over	Limit	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Loss	Factor				MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	1 5141.92	58.35	-15.65	74.00	44.48	10.65	35.81	31.79 164 200 Peak	Over	Limit	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Freq	Level	Line	Loss	Factor				MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	1 * 5182.00	182.21	31.91	68.30	88.28	18.69	35.86	31.82 164 200 Peak	2 5182.00	95.30	-----	81.37	18.69	35.86	31.82	164 200 Average	
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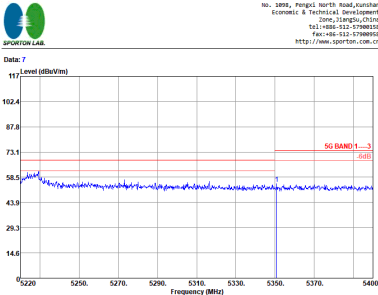
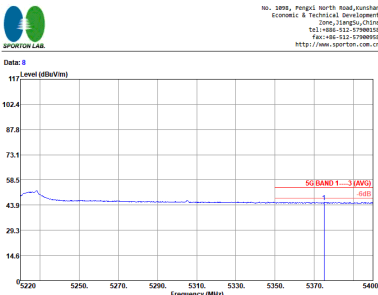
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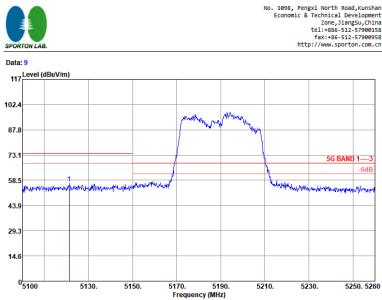
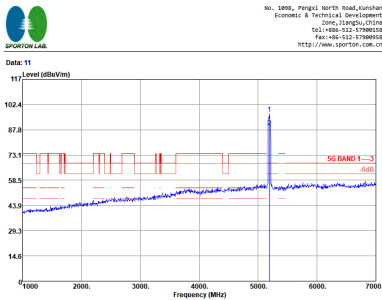
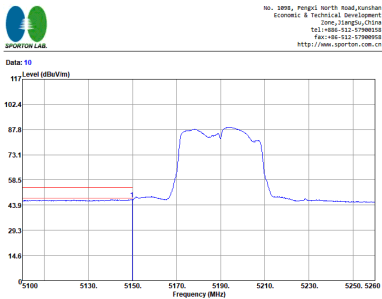
Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

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ANT	802.11ac VHT40 CH38 5190MHz - R																															
6+7	Horizontal	Fundamental																														
Peak	 Site : 830886-KS Condition : 5G BAND 1---3 3m 3117 SN 00218042 HORIZONTAL Project : FR1D0310 Node : 19 Plane : Y Polarization : Single-directivity PowerSetting : 86 Over Limit : 13 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>Read</th><th>CableAntenna</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5358.86</td><td>54.78</td><td>-19.22</td><td>74.00</td><td>48.71</td><td>18.78</td><td>35.22</td><td>31.93</td><td>156 203 Peak</td></tr></table>	Freq	Level	Over	Limit	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg		1	5358.86	54.78	-19.22	74.00	48.71	18.78	35.22	31.93	156 203 Peak	Left blank
Freq	Level	Over	Limit	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark																							
MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg																								
1	5358.86	54.78	-19.22	74.00	48.71	18.78	35.22	31.93	156 203 Peak																							
Avg.	 Site : 830886-KS Condition : 5G BAND 1---3 (AVG) 3m 3117 SN 00218042 HORIZONTAL Project : FR1D0310 Node : 19 Plane : Y Polarization : Single-directivity PowerSetting : 86 Over Limit : 13 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>Read</th><th>CableAntenna</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5374.98</td><td>45.55</td><td>-8.45</td><td>54.00</td><td>31.47</td><td>18.79</td><td>35.24</td><td>31.95</td><td>156 203 Average</td></tr></table>	Freq	Level	Over	Limit	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg		1	5374.98	45.55	-8.45	54.00	31.47	18.79	35.24	31.95	156 203 Average	Left blank
Freq	Level	Over	Limit	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark																							
MHz	dBuV/m	dB	dBuV/m	dB	dB/m	dB	cm	deg																								
1	5374.98	45.55	-8.45	54.00	31.47	18.79	35.24	31.95	156 203 Average																							



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
6+7	Vertical	Fundamental
Peak	 Site : 83086-KS Condition : 5G BAND 1----3 3m 3117 SN 00218642 VERTICAL Project : RRU:1800.000MHz VDU:3000.000MHz SW:Auto Model : FR1D0310 Plane : Y Polarization : Single-directivity PowerSetting : 13 Over Limit Read CableAntenna Preamp A/Pos T/Pos Freq Level Limit Line Level Loss Factor Factor cm deg Remark 1 5121.28 56.56 -17.44 74.00 42.74 10.61 35.00 31.79 282 136 Peak	 Site : 83086-KS Condition : 5G BAND 1----3 3m 3117 SN 00218642 VERTICAL Project : RRU:1800.000MHz VDU:3000.000MHz SW:Auto Model : FR1D0310 Plane : Y Polarization : Single-directivity PowerSetting : 13 Over Limit Read CableAntenna Preamp A/Pos T/Pos Freq Level Limit Line Level Loss Factor Factor cm deg Remark 1 * 5194.00 87.89 28.79 68.38 83.14 18.71 35.00 31.82 282 136 Peak 2 5194.00 89.22 75.27 18.71 35.00 31.82 282 136 Average
Avg.	 Site : 83086-KS Condition : 5G BAND 1----3 (Ave) 3m 3117 SN 00218642 VERTICAL Project : RRU:1800.000MHz VDU:1.1800MHz SW:Auto Model : FR1D0310 Plane : Y Polarization : Single-directivity PowerSetting : 13 Over Limit Read CableAntenna Preamp A/Pos T/Pos Freq Level Limit Line Level Loss Factor Factor cm deg Remark 1 5149.76 47.14 -6.88 54.00 33.27 18.65 35.03 31.81 282 136 Average	Left blank