

6.3. 802.11ac(20) mode

Peak Antenna Gain	4.48	dBi
Declaration Output Power	2.1	mW/MHz
	3.2	dBm/MHz
E.I.R.P	5.8914	mW/MHz
	7.7022	dBm/MHz
Input Power Voltage	100.0	VAC

Tested Circuit Insertion Loss	Tx1	Refer to the insertion loss	dB
Transmission Time	ON TIME (1sec or less)	0.111303	ms
	OFF TIME (0.1sec or more)	0.100949	ms
	Ratio	0.5244	%

Measurement Channel	Ch.	52	56	64		
Measurement Frequency	MHz	5260	5280	5320	Result	Limit
Frequency Measurements(Tx1)	MHz	5259.931330	5279.931223	5319.930704	----	----
Frequency Toleranc(Tx1)	ppm	-13.05506	-13.02600	-13.02564	PASS	±20×10-6(20ppm)
Frequency Measurements(Tx2)	MHz	5259.931243	5279.93	5319.930690	----	----
Frequency Tolerance(Tx2)	ppm	-13.07162	-13.03394	-13.02818	PASS	±20×10-6(20ppm)
Occupied Bandwidth(Tx1)	MHz	18.01	18.10	18.31	PASS	19MHz or below
Occupied Bandwidth(Tx2)	MHz	18.03	18.05	18.02	PASS	19MHz or below
RF Output Power(Tx1)	mW/MHz	0.335628	0.787581	0.814278	PASS	10mW/MHz or below
RF Output Power(Tx2)	mW/MHz	0.299395	0.585441	0.581627	PASS	10mW/MHz or below
RF Output Power (Tx1)or(Tx1+2)or(Tx1+2+3)or(Tx1+2+3+4)	mW/MHz	0.635023	1.373022	1.395905	PASS	10mW/MHz or below
RF Output Power Tolerance (Tx1)or(Tx1+2)or(Tx1+2+3)or(Tx1+2+3+4)	%	-69.761	-34.618	-33.528	PASS	+20% to -80%

Measurement Channel	Ch.	52	56	64		
Measurement Frequency	MHz	5260	5280	5320	Result	Limit
Unwanted (Spurious) Emission Strength(Tx1)	30MHz to 5135MHz	uW/MHz	0.013	0.013	0.014	PASS 2.5uW/MHz or below
		MHz	3506.496	4837.764	3546.519	----
	5365MHz to 26GHz	uW/MHz	0.011	0.065	0.049	PASS 2.5uW/MHz or below
		MHz	25981.740	15837.880	15962.520	----
Unwanted (Spurious) Emission Strength(Tx2)	30MHz to 5135MHz	uW/MHz	0.006	0.015	0.015	PASS 2.5uW/MHz or below
		MHz	4819.489	4840.266	4874.214	----
	5365MHz to 26GHz	uW/MHz	0.013	0.103	0.052	PASS 2.5uW/MHz or below
		MHz	25880.420	15827.890	15959.010	----
Unwanted (Spurious) Emission Strength (Tx1)or(Tx1+2)or (Tx1+2+3)or (Tx1+2+3+4)	30MHz to 5135MHz	uW/MHz	0.019	0.029	0.028	PASS 2.5uW/MHz or below
		MHz	---	---	---	----
	5365MHz to 26GHz	uW/MHz	0.024	0.168	0.102	PASS 2.5uW/MHz or below
		MHz	---	---	---	----
Adjacent Channel Leakage Power (Tx1)	cf -20MHz	dB	-38.270	-33.660	-32.800	PASS -25dBc or below
	cf +20MHz	dB	-41.920	-32.540	-31.700	PASS -25dBc or below
	cf -40MHz	dB	-49.260	-50.270	-49.740	PASS -40dBc or below
	cf +40MHz	dB	-49.130	-52.640	-51.250	PASS -40dBc or below
Adjacent Channel Leakage Power (Tx2)	cf -20MHz	dB	-39.410	-31.450	-33.550	PASS -25dBc or below
	cf +20MHz	dB	-40.900	-32.880	-33.550	PASS -25dBc or below
	cf -40MHz	dB	-49.170	-44.260	-50.090	PASS -40dBc or below
	cf +40MHz	dB	-49.140	-45.850	-51.260	PASS -40dBc or below

Measurement Channel		Ch.	52	56	64		
Measurement Frequency		MHz	5260	5280	5320	Result	Limit
Out-Band Leakage Power (Tx1)	5135 to 5233.3MHz	uW/MHz	0.306			PASS	2.5uW/MHz or below
		MHz	5232.538			----	----
	5233.3 to 5240MHz	uW/MHz	0.58846			PASS	$10^{-1.5(5233.3-23)}\text{mW/MHz}$ or below
		MHz	5239.988			----	----
	Limit	uW/MHz	15.798			----	----
	5240 to 5249MHz	uW/MHz	32.334			PASS	$10^{-1.5(5240-11)}\text{mW/MHz}$ or below
		MHz	5248.994			----	----
	Limit	uW/MHz	99.880			----	----
	5249 to 5250MHz	uW/MHz	281.648			PASS	$10^{-1.5(5249)}\text{mW/MHz}$ or below
		MHz	5250.000			----	----
Out-Band Leakage Power (Tx2)	5135 to 5233.3MHz	uW/MHz	0.181			PASS	2.5uW/MHz or below
		MHz	5231.722			----	----
	5233.3 to 5240MHz	uW/MHz	0.69172			PASS	$10^{-1.5(5233.3-23)}\text{mW/MHz}$ or below
		MHz	5239.982			----	----
	Limit	uW/MHz	15.771			----	----
	5240 to 5249MHz	uW/MHz	25.829			PASS	$10^{-1.5(5240-11)}\text{mW/MHz}$ or below
		MHz	5248.964			----	----
	Limit	uW/MHz	99.275			----	----
	5249 to 5250MHz	uW/MHz	252.601			PASS	$10^{-1.5(5249)}\text{mW/MHz}$ or below
		MHz	5249.995			----	----
Out-Band Leakage Power (Tx1) or (Tx1+2) or (Tx1+2+3) or (Tx1+2+3+4)	5135 to 5233.3MHz	uW/MHz	0.487			PASS	2.5uW/MHz or below
		----	---			----	----
	5233.3 to 5240MHz	uW/MHz	1.280			PASS	$10^{-1.5(5233.3-23)}\text{mW/MHz}$ or below
		MHz	5239.988			----	----
	Limit	uW/MHz	15.798			----	----
	5240 to 5249MHz	uW/MHz	58.163			PASS	$10^{-1.5(5240-11)}\text{mW/MHz}$ or below
		MHz	5248.994			----	----
	Limit	uW/MHz	99.880			----	----
	5249 to 5250MHz	uW/MHz	534.250			PASS	$10^{-1.5(5249)}\text{mW/MHz}$ or below
		MHz	5250.000			----	----
	Limit	uW/MHz	999.643			----	----
	5350 to 5360MHz	uW/MHz			1.019	PASS	2.5uW/MHz or below
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Measurement Channel		Ch.	52	56	64		
Measurement Frequency		MHz	5260	5280	5320	Result	Limit
Secondary Emitted Radio Wave Strength (Rx1)	30MHz to 1000MHz	nW	0.011	0.011	0.010	PASS	4nW or below
		MHz	307.209	307.180	307.199	----	----
	1GHz to 26GHz	nW	0.125	0.141	0.123	PASS	20nW or below
		MHz	25759.630	25872.130	25950.380	----	----
Secondary Emitted Radio Wave Strength (Rx2)	30MHz to 1000MHz	nW	0.013	0.011	0.010	PASS	4nW or below
		MHz	307.189	307.199	307.199	----	----
	1GHz to 26GHz	nW	0.177	0.112	0.116	PASS	20nW or below
		MHz	25999.630	25972.880	25988.380	----	----
Secondary Emitted Radio Wave Strength (Rx1)or(Rx1+2) or (Rx1+2+3) or	30MHz to 1000MHz	nW	0.024	0.022	0.021	PASS	4nW or below
		----	---	---	---	----	----
	1GHz to 26GHz	nW	0.303	0.254	0.239	PASS	20nW or below
		----	---	---	---	----	----
Burst Length of Transmitted Signals			Good			PASS	4ms or below
Carrier Sensing Function			Good			PASS	100mV/m
Transmission Power Transmission Function			Good			PASS	3dB
Interference Prevention Function			Good			PASS	
Dynamic Frequency Selection			Good			PASS	

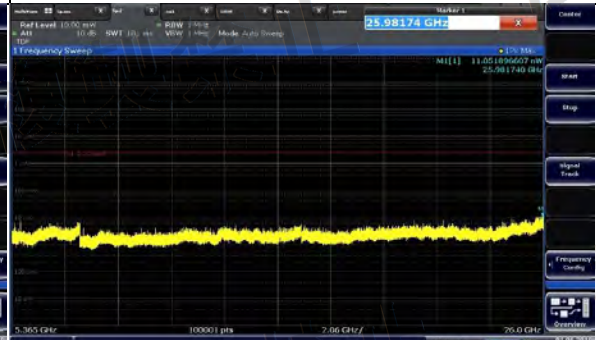
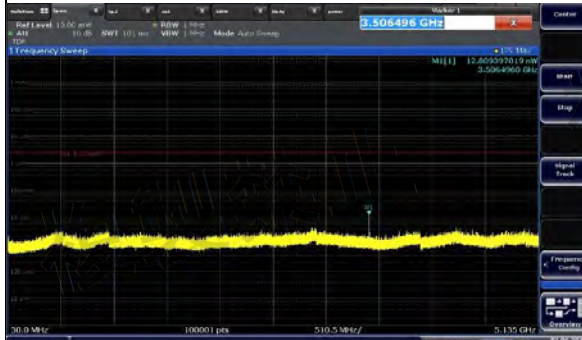
3. Unwanted Emission Streangth_ANT1

30 MHz ~ 5135 MHz

5365 MHz ~ 26000 MHz

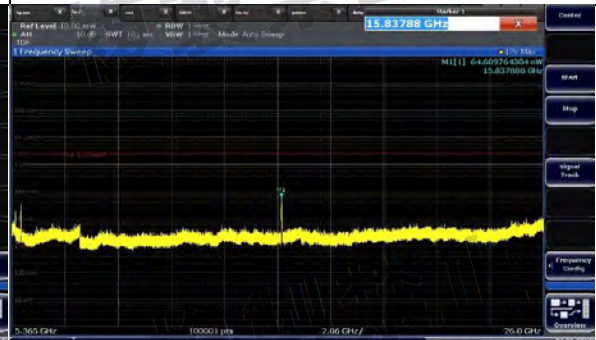
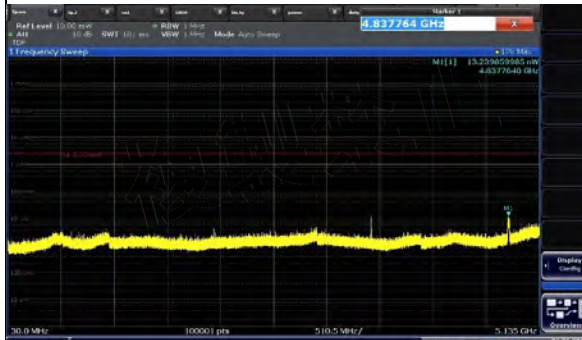
Low Channel

Low Channel



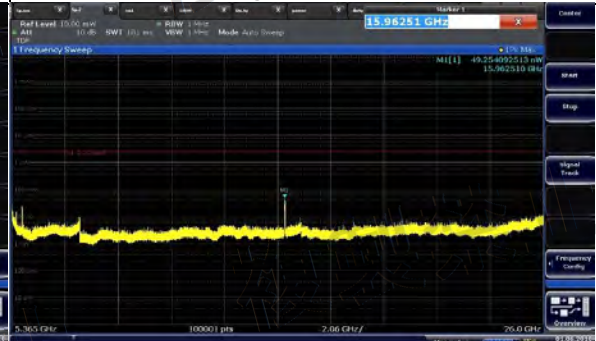
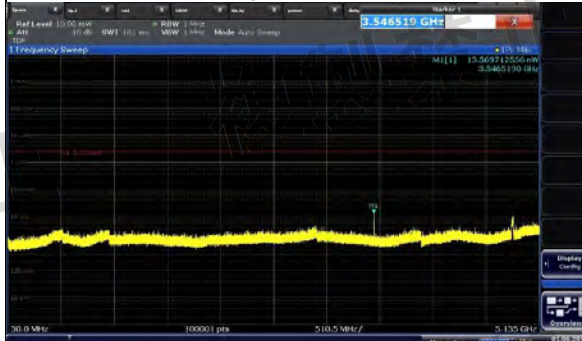
Middle Channel

Middle Channel



High Channel

High Channel



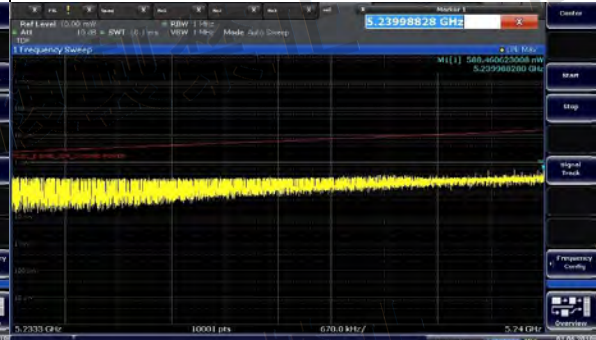
4. Out-band Leakage Power_ANT1

5135 MHz ~ 5233.3 MHz

5233.3 MHz ~ 5240 MHz

Low Channel

Low Channel

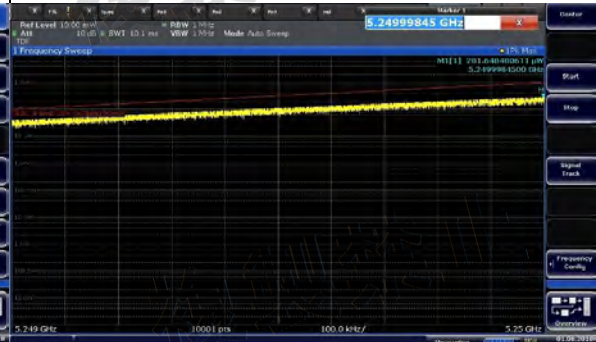


5240 MHz ~ 5249 MHz

5249 MHz ~ 5250 MHz

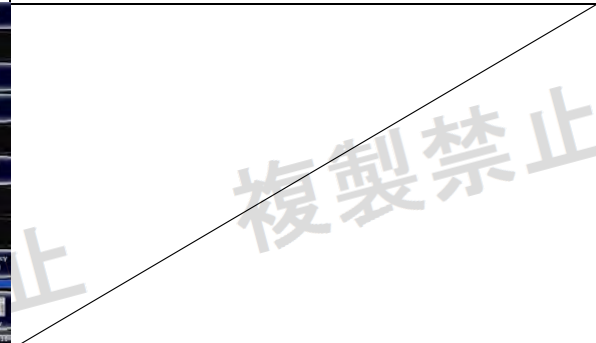
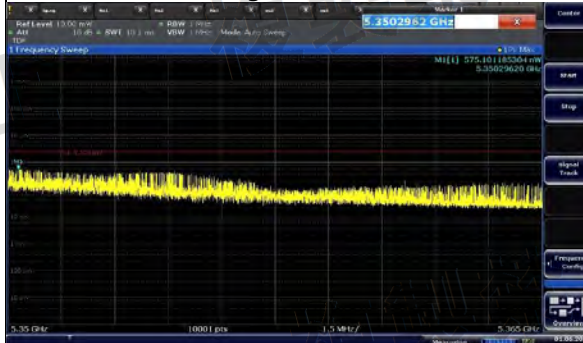
Low Channel

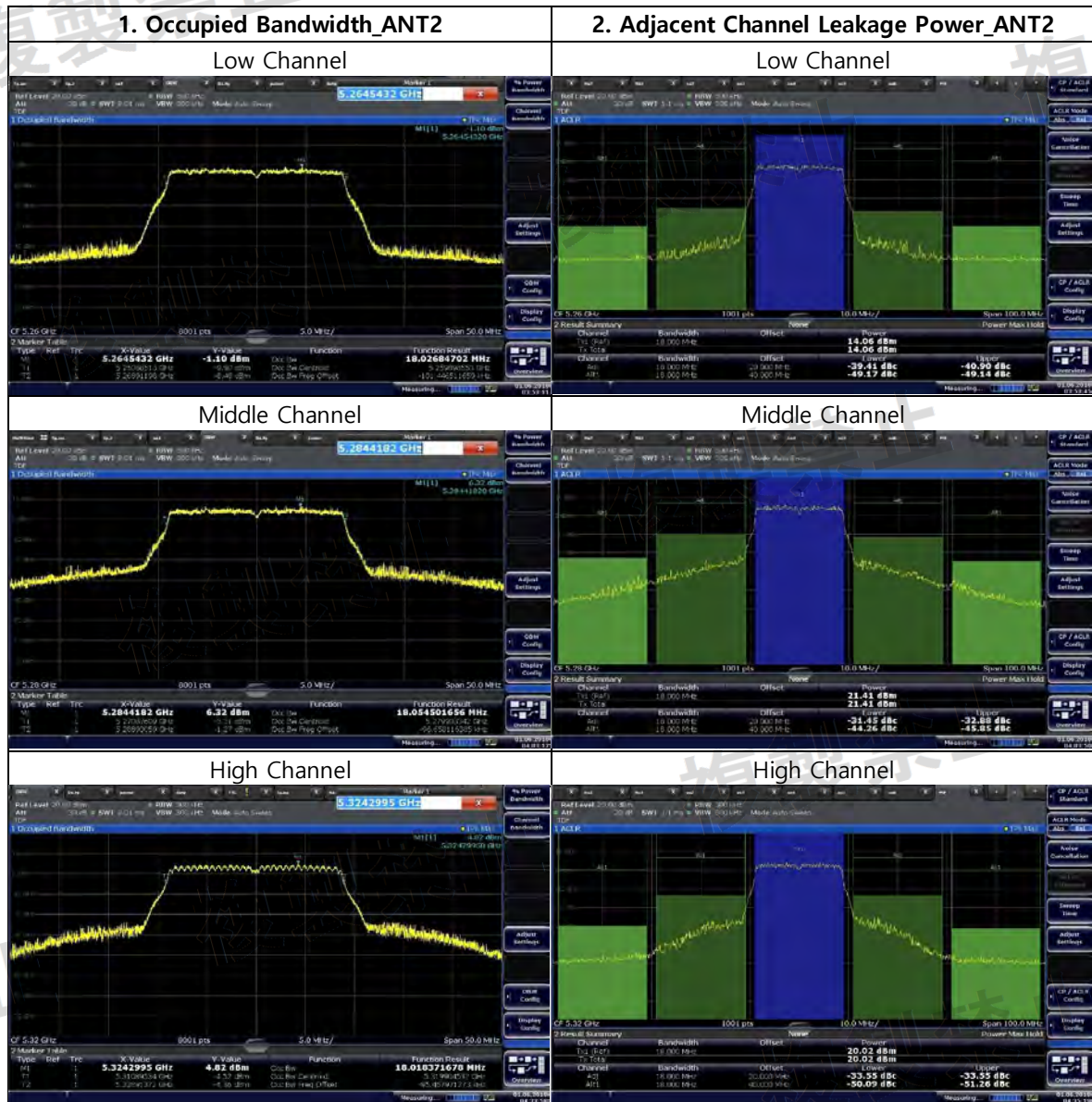
Low Channel



5350 MHz ~ 5365 MHz

High Channel





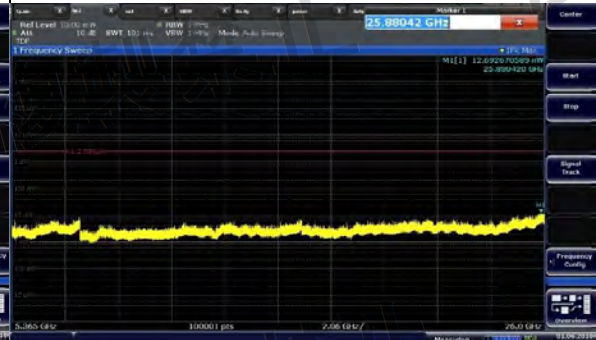
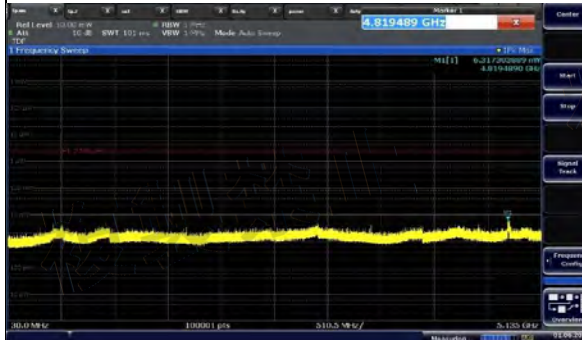
3. Unwanted Emission Streangth_ANT2

30 MHz ~ 5135 MHz

5365 MHz ~ 26000 MHz

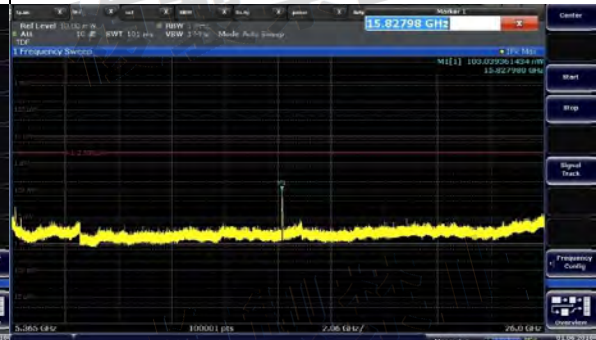
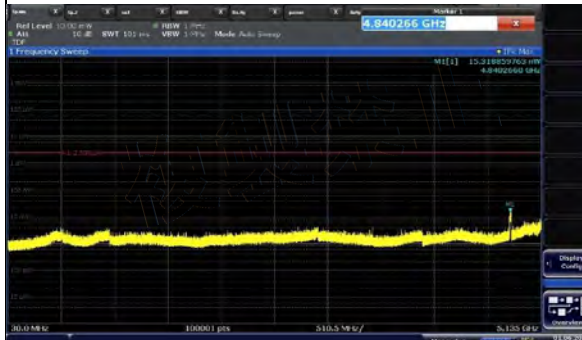
Low Channel

Low Channel



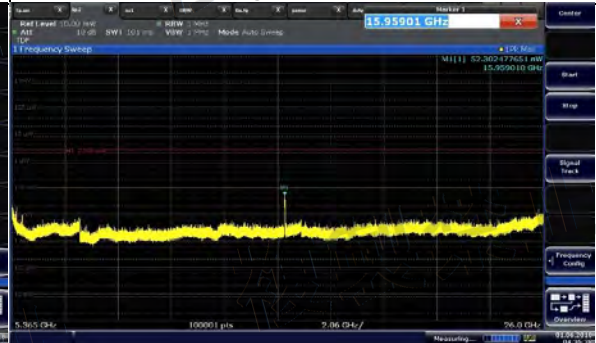
Middle Channel

Middle Channel



High Channel

High Channel



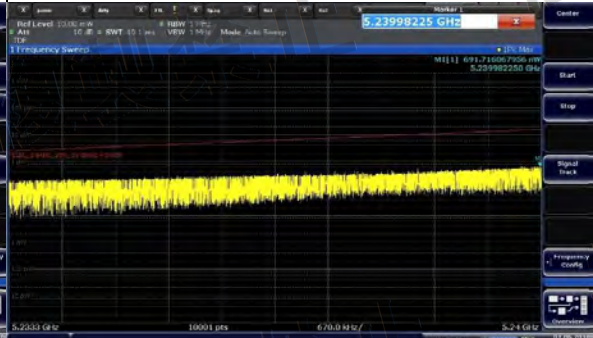
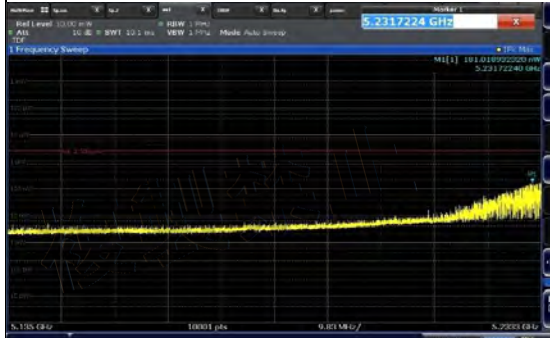
4. Out-band Leakage Power_ANT2

5135 MHz ~ 5233.3 MHz

5233.3 MHz ~ 5240 MHz

Low Channel

Low Channel

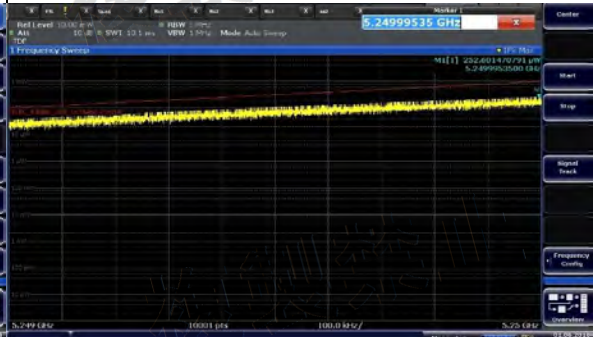
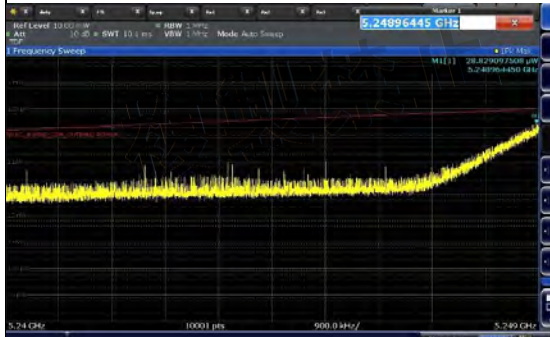


5240 MHz ~ 5249 MHz

5249 MHz ~ 5250 MHz

Low Channel

Low Channel



5350 MHz ~ 5365 MHz

High Channel

