

Test Result and Measuring equipment for certification

Millimeter-Wave Radar (79 GHz band)

Radio Equipment for test	Model or type name: MAR110	Test environment	Temperature : 23.3 °C	Test Method: TELEC-T319(Rev.2.0)	F0N, 79 GHz, 1 channel Long Mode	0.00203 W
			Humidity : 52.4 %			
	Serial number: AC0LB00828	Engineer: H.G.KIM Reviewer: Y.H.LEE Date: JAN.20.2021 ~ MAR.2.2021, DEC.01.2021 ~ DEC.03.2021 Test location: HCT				

Equipment	Model and type name	Serial number	Manufacturer	Last Calibrated date	Calibration Company	Note
	Signal Analyzer(FSV40-N)	101068-SZ	Rohde&Schwarz	2021-09-15	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Spectrum Analyzer(FSV)	101436	Rohde&Schwarz	2021-03-02	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Spectrum Analyzer(FSW)	101256	Rohde&Schwarz	2021-11-11	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	DC Power Supply(E3632A)	KR75306225	AGILENT Technologies	2021-01-25	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Hybrid Antenna(VULB 9168)	3368	Schwarzbeck	2020-08-19	KTL	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(BBHA 9120D)	9120D-1298	Schwarzbeck	2021-09-15	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(BBHA 9170)	BBHA9170124	Schwarzbeck	2021-04-12	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(M19RH)	M19RH-160419-1	OML INC	2020-04-23	OML INC	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(M12RH)	M12RH-160419-1	OML INC	2020-04-23	OML INC	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(M08RH)	M08RH-160419-1	OML INC	2020-04-23	OML INC	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(M05RH)	M05RH-160419-1	OML INC	2020-04-23	OML INC	Based on Japanese Radio Law 24-2-4-2-ha
	WR-19 HARMONIC MIXER(OML WR19)	M19HWD	OML INC	2021-11-18	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	WR-12 HARMONIC MIXER(OML WR12)	M12HWD	OML INC	2021-11-18	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	WR-08 HARMONIC MIXER(OML WR08)	M08HWD	OML INC	2021-11-18	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	WR-05 HARMONIC MIXER(OML WR05)	M05HWD	OML INC	2021-11-19	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Power Amplifier(TK-PA1840H)	170011-L	TESTEK	2021-11-09	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Power Amplifier(CBLU1183540B-01)	25539	CERNEX	2021-01-06	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Vibration Testing System(G-210N)	SG-4788	Shinken Co.,Ltd	2021-03-02	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Temp & Humidity Chamber(PL-4KP)	14021890	ESPEC	2021-08-11	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Signal Generator(SMF100A)	105078	Rohde&Schwarz	2021-06-08	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Millimeter Wave Source Module(S19MS-A)	160516-1	OML INC.	2021-09-02	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Millimeter Wave Source Module(S12MS-A)	160419-1	OML INC.	2021-09-02	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Millimeter Wave Source Module(S08MS-A)	160419-1	OML INC.	2021-09-09	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Millimeter Wave Source Module(S05MS-A)	160419-1	OML INC.	2021-09-07	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha

Test result	Electric performance	Voltage		Unit	Limit	DC 10.80 V (low)	DC 12.00 V (normal)	DC 13.20 V (high)	Note	
		Test Frequency		GHz		79.031	79.031	79.031		
		Frequency tolerance(OBW lower frequency)		GHz	77.0	78.8281	78.8280	78.8280		
		Frequency tolerance(OBW Upper frequency)		GHz	81.0	79.2343	79.2342	79.2341		
		Occupied bandwidth		MHz	4000	406.20	406.13	406.10		
		Spurious emission	(measured frequency)	GHz	-	26.39	26.39	26.39		
			spurious domain	μ W	50	0.1431	0.1435	0.1433		
		Unwanted emission	(measured frequency)	GHz	-	85.30	85.30	85.30		
			out of-of-band domain	μ W	100	0.2743	0.2747	0.2746		
		Antenna power ^(Note.1)		W	0.00203	0.0029	0.0029	0.0029		
		deviation		%	-70 50	41.6	41.7	41.6		
		Environmental test	-20 ℃	OBW lower frequency	GHz	77.0	78.8281	78.8280	78.8280	
				OBW Upper frequency	GHz	81.0	79.2277	79.2277	79.2277	
			60 ℃	OBW lower frequency	GHz	77.0	78.8245	78.8248	78.8247	
				OBW Upper frequency	GHz	81.0	79.2236	79.2235	79.2236	
			35 ℃ / 95 % R.H.	OBW lower frequency	GHz	77.0	78.8260	78.8258	78.8258	
				OBW Upper frequency	GHz	81.0	79.2265	79.2261	79.2260	
			Vibration	OBW lower frequency	GHz	77.0	78.8285	78.8284	78.8285	
				OBW Upper frequency	GHz	81.0	79.2267	79.2264	79.2263	
		Antenna gain		dB	40 or less	13.26				

Note1. Antenna power(calculated value) = mesured EIRP value - Antenna gain

Note2. Antenna power Limit = Occupied bandwidth x 5 μ W/MHz (406.2 MHz x 5 μ W/MHz = 0.00203 W)

Test Result and Measuring equipment for certification

Millimeter-Wave Radar (79 GHz band)

Radio Equipment for test	Model or type name: MAR110	Test environment	Temperature : 23.3 °C	Test Method: TELEC-T319(Rev.2.0)	F0N, 79 GHz, 1 channel Mid Mode	0.00331 W
			Humidity : 52.4 %			
	Serial number: AC0LB00840	Engineer: H.G.KIM Reviewer: Y.H.LEE Date: JAN.20.2021 ~ MAR.2.2021, DEC.01.2021 ~ DEC.21.2021 Test location: HCT				

Equipment	Model and type name		Serial number	Manufacturer	Last Calibrated date	Calibration Company	Note
	Signal Analyzer(FSV40-N)		101068-SZ	Rohde&Schwarz	2021-09-15	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Spectrum Analyzer(FSV)		101436	Rohde&Schwarz	2021-03-02	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Spectrum Analyzer(FSV)		101256	Rohde&Schwarz	2021-11-11	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	DC Power Supply(E3632A)		KR75306225	AGILENT Technologies	2021-01-25	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Hybrid Antenna(VULB 9168)		3368	Schwarzbeck	2020-08-19	KTL	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(BBHA 9120D)		9120D-1298	Schwarzbeck	2021-09-15	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(BBHA 9170)		BBHA9170124	Schwarzbeck	2021-04-12	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(M19RH)		M19RH-160419-1	OML INC	2020-04-23	OML INC	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(M12RH)		M12RH-160419-1	OML INC	2020-04-23	OML INC	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(M08RH)		M08RH-160419-1	OML INC	2020-04-23	OML INC	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(M05RH)		M05RH-160419-1	OML INC	2020-04-23	OML INC	Based on Japanese Radio Law 24-2-4-2-ha
	WR-19 HARMONIC MIXER(OML WR19)		M19HWD	OML INC	2021-11-18	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	WR-12 HARMONIC MIXER(OML WR12)		M12HWD	OML INC	2021-11-18	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	WR-08 HARMONIC MIXER(OML WR08)		M08HWD	OML INC	2021-11-18	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	WR-05 HARMONIC MIXER(OML WR05)		M05HWD	OML INC	2021-11-19	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Power Amplifier(TK-PA1840H)		170011-L	TESTEK	2021-11-09	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Power Amplifier(CBLU1183540B-01)		25539	CERNEX	2021-01-06	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Vibration Testing System(G-210N)		SG-4788	Shinken Co.,Ltd	2021-03-02	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Temp & Humidity Chamber(PL-4KP)		14021890	ESPEC	2021-08-11	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Signal Generator(SMF100A)		105078	Rohde&Schwarz	2021-06-08	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Milimeter Wave Source Module(S19MS-A)		160516-1	OML INC.	2021-09-02	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Milimeter Wave Source Module(S12MS-A)		160419-1	OML INC.	2021-09-02	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Milimeter Wave Source Module(S08MS-A)		160419-1	OML INC.	2021-09-09	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Milimeter Wave Source Module(S05MS-A)		160419-1	OML INC.	2021-09-07	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha

Test result	Electric performance	Voltage		Unit	Limit	DC 10.80 V (low)	DC 12.00 V (normal)	DC 13.20 V (high)	Note	
		Test Frequency		GHz		79.057	79.057	79.057		
		Frequency tolerance(OBW lower frequency)		GHz	77.0	78.7351	78.7351	78.7350		
		Frequency tolerance(OBW Upper frequency)		GHz	81.0	79.3787	79.3789	79.3788		
		Occupied bandwidth		MHz	4000	661.75	662.18	662.02		
		Spurious emission	(measured frequency)	GHz	-	26.41	26.42	26.42		
			spurious domain	μ W	50	0.1745	0.1755	0.1750		
		Unwanted emission	(measured frequency)	GHz	-	85.27	85.28	85.27		
			out of-of-band domian	μ W	100	0.2824	0.2826	0.2811		
		Antenna power ^(Note.1)		W	0.00331	0.0049	0.0049	0.0049		
		deviation		%	-70	48.3	48.3	48.3		
					50					
		Environmental test	-20 °C	OBW lower frequency	GHz	77.0	78.7363	78.7367	78.7361	
				OBW Upper frequency	GHz	81.0	79.3952	79.3951	73.3953	
			60 °C	OBW lower frequency	GHz	77.0	78.7330	78.7333	78.7330	
				OBW Upper frequency	GHz	81.0	79.3926	79.3925	79.3931	
			35 °C / 95 % R.H.	OBW lower frequency	GHz	77.0	78.7336	78.7334	78.7334	
				OBW Upper frequency	GHz	81.0	79.3932	79.3935	79.3936	
			Vibration	OBW lower frequency	GHz	77.0	78.7330	78.7331	78.7331	
				OBW Upper frequency	GHz	81.0	79.3940	79.3942	79.3842	
		Antenna gain		dB	40 or less	13.26				

Note1. Antenna power(calculated value) = mesured EIRP value - Antenna gain
Note2. Antenna power Limit = Occupied bandwidth x 5 μ W/MHz (662.0 MHz x 5 μ W/MHz = 0.00331 W)

Test Result and Measuring equipment for certification

Millimeter-Wave Radar (79 GHz band)

Radio Equipment for test	Model or type name: MAR110	Test environment	Temperature : 23.3 °C	Test Method: TELEC-T319(Rev.2.0)	F0N, 79 GHz, 1 channel High Mode	0.00400 W
			Humidity : 52.4 %			
	Serial number: AC0LB00813	Engineer: H.G.KIM Reviewer: Y.H.LEE Date: JAN.20.2021 ~ MAR.2.2021, DEC.01.2021 ~ DEC.03.2021 Test location: HCT				

Equipment	Model and type name	Serial number	Manufacturer	Last Calibrated date	Calibration Company	Note
	Signal Analyzer(FSV40-N)	101068-SZ	Rohde&Schwarz	2021-09-15	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Spectrum Analyzer(FSV)	101436	Rohde&Schwarz	2021-03-02	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Spectrum Analyzer(FSW)	101256	Rohde&Schwarz	2021-11-11	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	DC Power Supply(E3632A)	KR75306225	AGILENT Technologies	2021-01-25	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Hybrid Antenna(VULB 9168)	3368	Schwarzbeck	2020-08-19	KTL	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(BBHA 9120D)	9120D-1298	Schwarzbeck	2021-09-15	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(BBHA 9170)	BBHA9170124	Schwarzbeck	2021-04-12	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(M19RH)	M19RH-160419-1	OML INC	2020-04-23	OML INC	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(M12RH)	M12RH-160419-1	OML INC	2020-04-23	OML INC	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(M08RH)	M08RH-160419-1	OML INC	2020-04-23	OML INC	Based on Japanese Radio Law 24-2-4-2-ha
	Horn Antenna(M05RH)	M05RH-160419-1	OML INC	2020-04-23	OML INC	Based on Japanese Radio Law 24-2-4-2-ha
	WR-19 HARMONIC MIXER(OML WR19)	M19HWD	OML INC	2021-11-18	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	WR-12 HARMONIC MIXER(OML WR12)	M12HWD	OML INC	2021-11-18	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	WR-08 HARMONIC MIXER(OML WR08)	M08HWD	OML INC	2021-11-18	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	WR-05 HARMONIC MIXER(OML WR05)	M05HWD	OML INC	2021-11-19	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Power Amplifier(TK-PA1840H)	170011-L	TESTEK	2021-11-09	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Power Amplifier(CBLU1183540B-01)	25539	CERNEX	2021-01-06	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Vibration Testing System(G-210N)	SG-4788	Shinken Co.,Ltd	2021-03-02	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Temp & Humidity Chamber(PL-4KP)	14021890	ESPEC	2021-08-11	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Signal Generator(SMF100A)	105078	Rohde&Schwarz	2021-06-08	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Milimeter Wave Source Module(S19MS-A)	160516-1	OML INC.	2021-09-02	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Milimeter Wave Source Module(S12MS-A)	160419-1	OML INC.	2021-09-02	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Milimeter Wave Source Module(S08MS-A)	160419-1	OML INC.	2021-09-09	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha
	Milimeter Wave Source Module(S05MS-A)	160419-1	OML INC.	2021-09-07	HCT Co., Ltd.	Based on Japanese Radio Law 24-2-4-2-ha

Test result	Electric performance	Voltage		Unit	Limit	DC	10.80 V (low)	DC	12.00 V (normal)	DC	13.20 V (high)	Note		
		Test Frequency		GHz			79.149		79.149		79.149			
		Frequency tolerance(OBW lower frequency)		GHz	77.0		78.2164		78.2165		78.2166			
		Frequency tolerance(OBW Upper frequency)		GHz	81.0		80.0813		80.0814		80.0814			
		Occupied bandwidth		MHz	4000		1864.90		1864.90		1864.80			
		Spurious emission	(measured frequency)		GHz	-		26.66		26.66		26.66		
			spurious domain		μ W	50		0.1888		0.1889		0.1882		
		Unwanted emission	(measured frequency)		GHz	-		85.29		85.28		85.27		
			out of-of-band domian		μ W	100		0.2735		0.2739		0.2938		
		Antenna power ^(Note.1)		W	0.00400		0.0045		0.0045		0.0045			
		deviation		%	-70 50		13.0		13.0		12.9			
		Environmental test	-20 °C	OBW lower frequency		GHz	77.0		78.2145		78.2148		78.2145	
				OBW Upper frequency		GHz	81.0		80.1213		80.1215		80.1213	
			60 °C	OBW lower frequency		GHz	77.0		78.2119		78.2118		78.2119	
				OBW Upper frequency		GHz	81.0		80.1215		80.1217		80.1217	
			35 °C / 95 % R.H.	OBW lower frequency		GHz	77.0		78.2131		78.2130		78.2132	
				OBW Upper frequency		GHz	81.0		80.1239		80.1237		80.1240	
			Vibration	OBW lower frequency		GHz	77.0		78.2133		78.2133		78.2133	
				OBW Upper frequency		GHz	81.0		80.1241		80.2131		80.1233	
		Antenna gain		dB	40 or less		13.26							

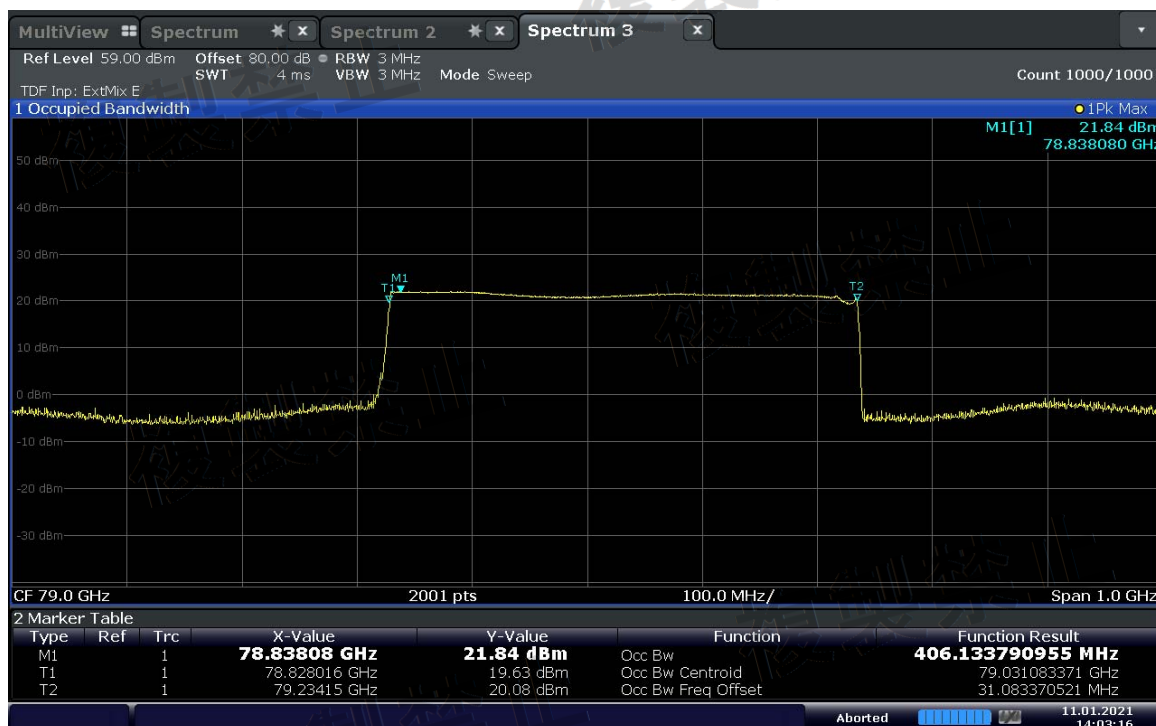
Note1. Antenna power(calculated value) = mesured EIRP value - Antenna gain
Note2. Antenna power Limit = Occupied bandwidth x 5 μ W/MHz (1864.9 MHz x 5 μ W/MHz = 0.0093 W)

MAR110

Millimeter-Wave Radar (79 GHz band)

Occupied Bandwidth

Normal Voltage_Long mode



Normal Voltage_Mid mode



MAR110

Normal Voltage_High mode



The Strength of Unwanted Emissions

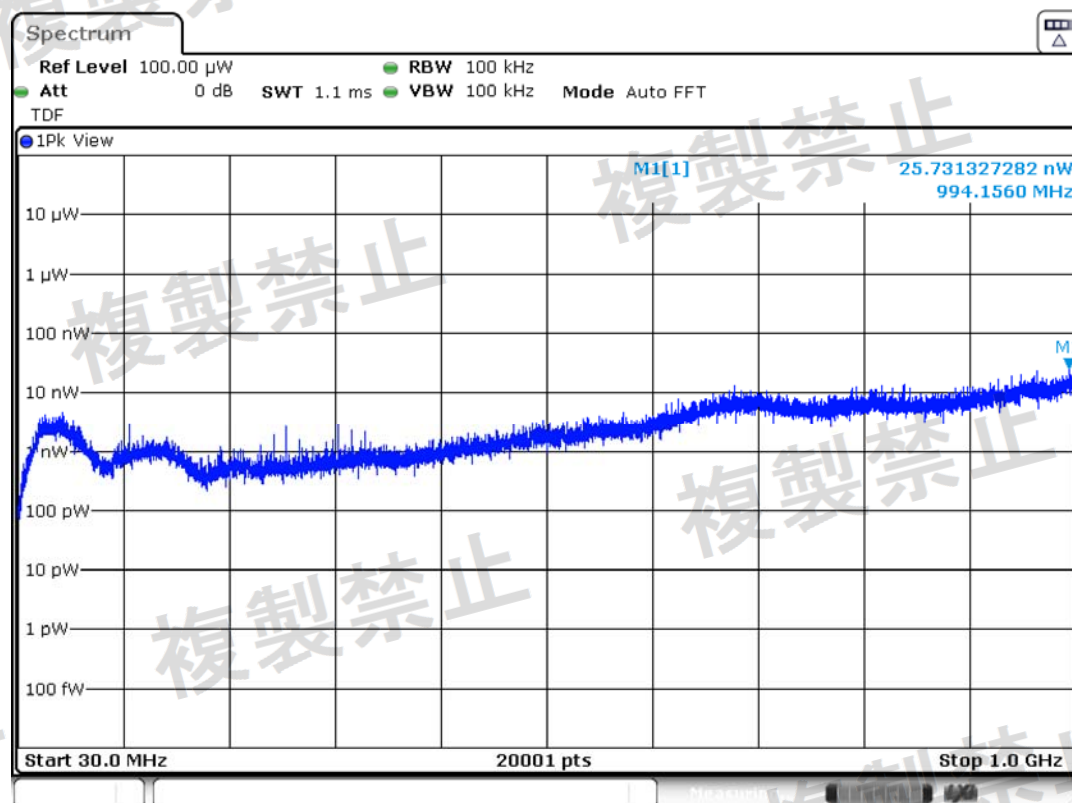
Normal Voltage_Long mode

Measured frequency band	Test distance (m)	Polarization (EUT/antenna)	Measured frequency (GHz)	Measured value ⁽¹⁾ (μW)
30 MHz ~ 1 GHz	3	Y/H	0.994	0.02573
1 GHz ~ 10 GHz	1	Y/V	9.71	0.01259
10 GHz ~ 18 GHz	1	Z/V	17.58	0.03899
18 GHz ~ 28 GHz	1	Y/H	26.39	0.14350
28 GHz ~ 38 GHz	1	Z/H	36.76	0.00803
38 GHz ~ 40 GHz	1	Z/H	39.95	0.01203
40 GHz ~ 50 GHz	near field	-	Not detected	
50 GHz ~ 60 GHz	near field	-	Not detected	
60 GHz ~ 70 GHz	near field	-	Not detected	
70 GHz ~ 72.5 GHz	near field	-	Not detected	
72.5 GHz ~ 77 GHz	1	X/V	74.27	0.2594
85 GHz ~ 85.5 GHz	1	X/H	85.30	0.2747
85.5 GHz ~ 90 GHz	near field	-	Not detected	
90 GHz ~ 100 GHz	near field	-	Not detected	
100 GHz ~ 110 GHz	near field	-	Not detected	

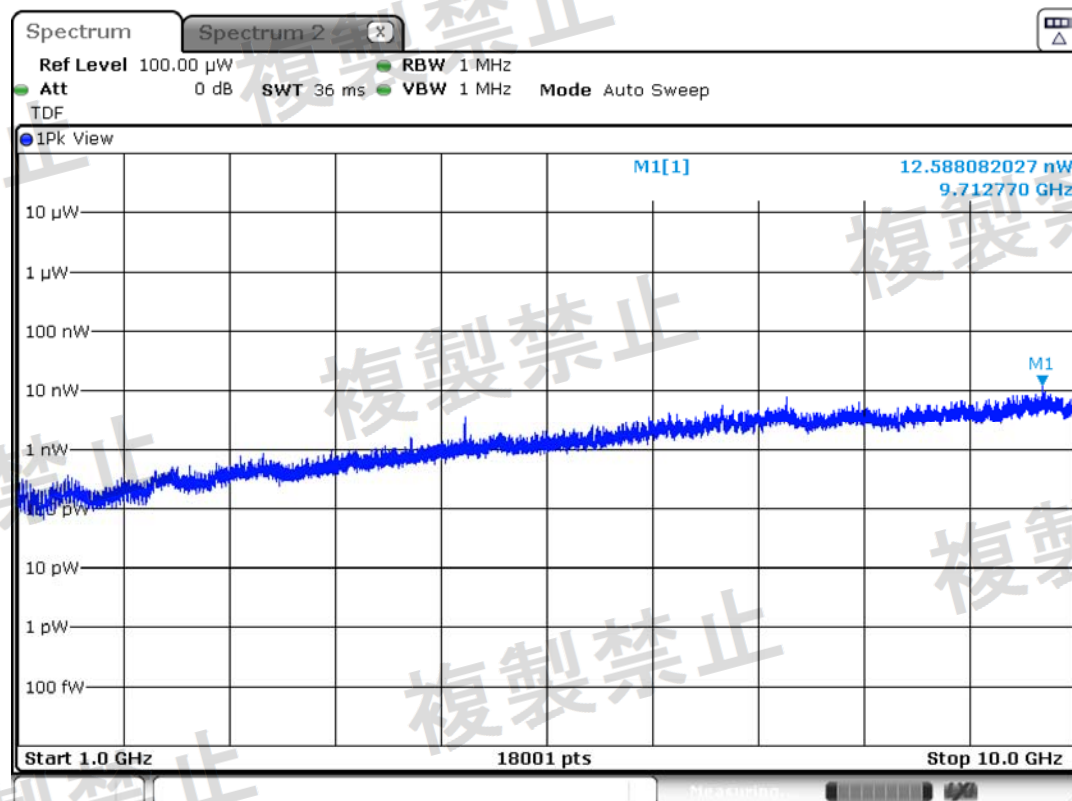
Note 1) Measured value is the value that contains the correction factor

MAR110

[30 MHz ~ 1 GHz]

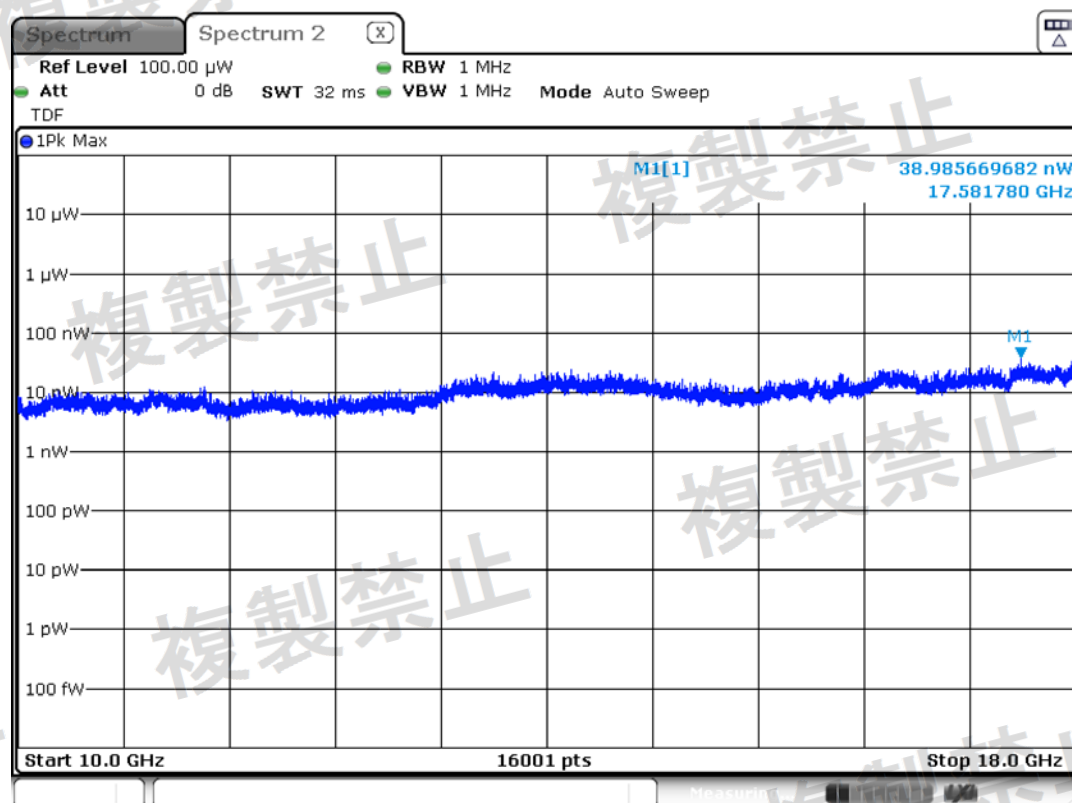


[1 GHz ~ 10 GHz]

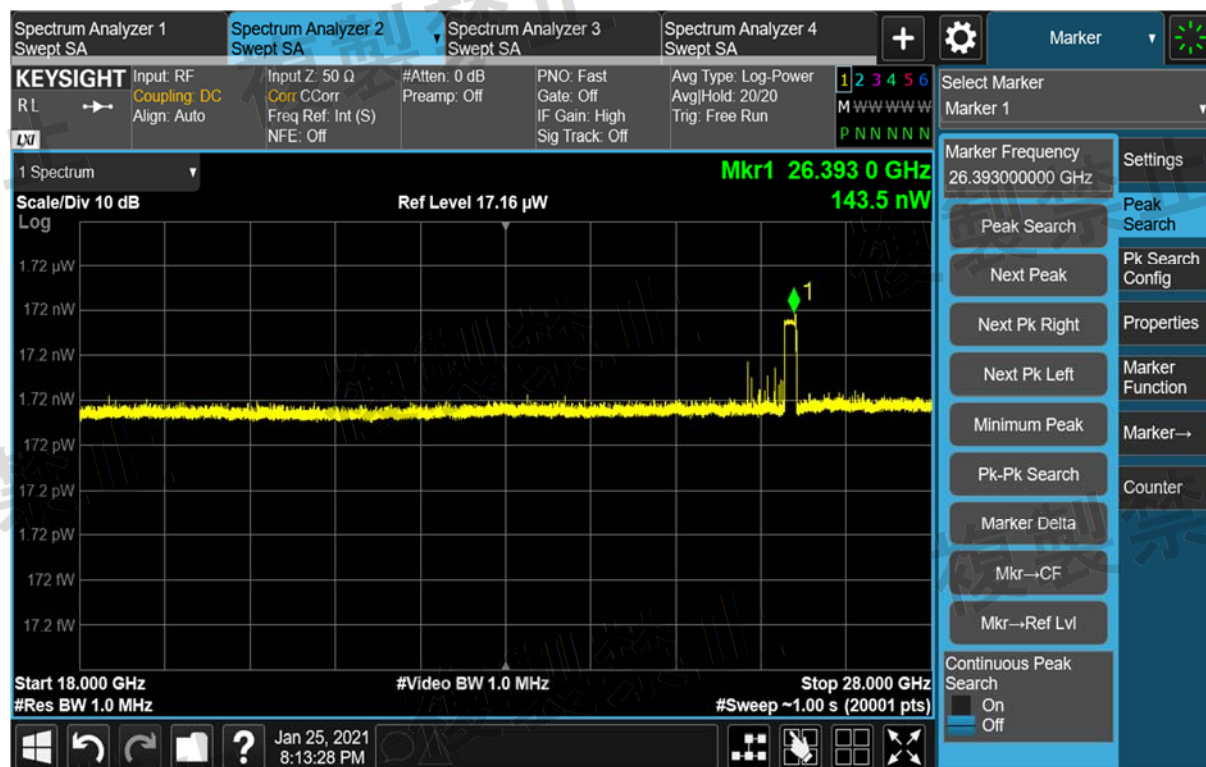


MAR110

[10 GHz ~ 18 GHz]

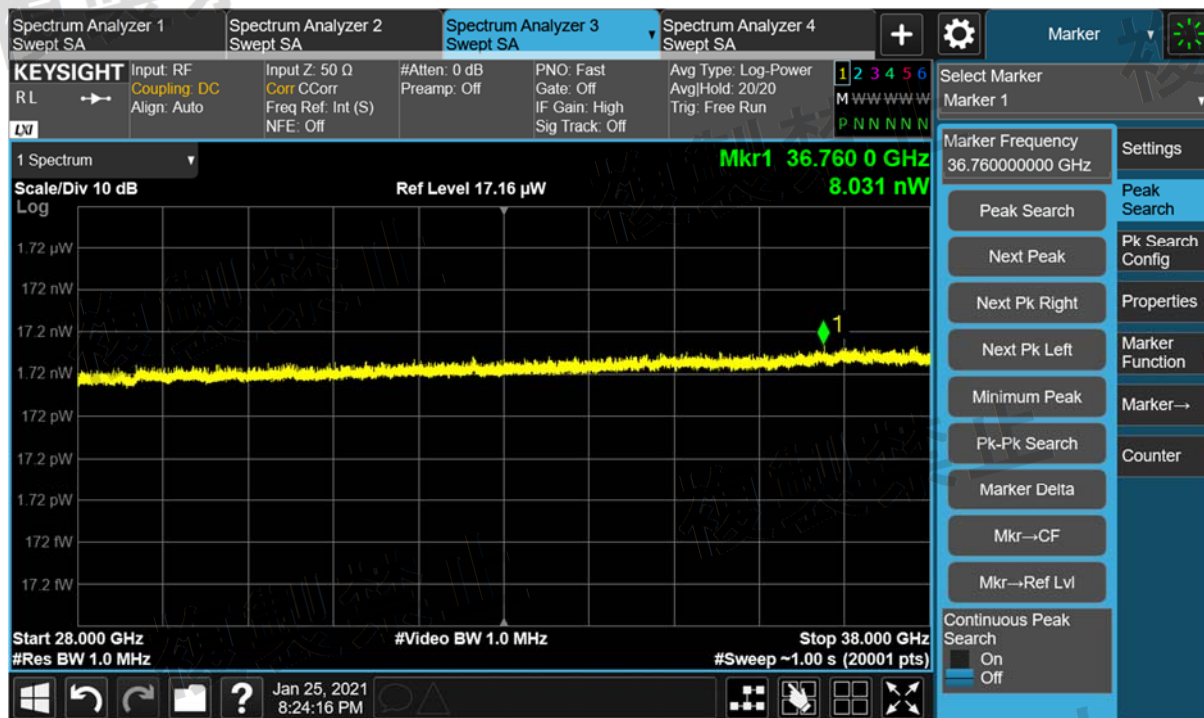


[18 GHz ~ 28 GHz]



MAR110

[28 GHz ~ 38 GHz]

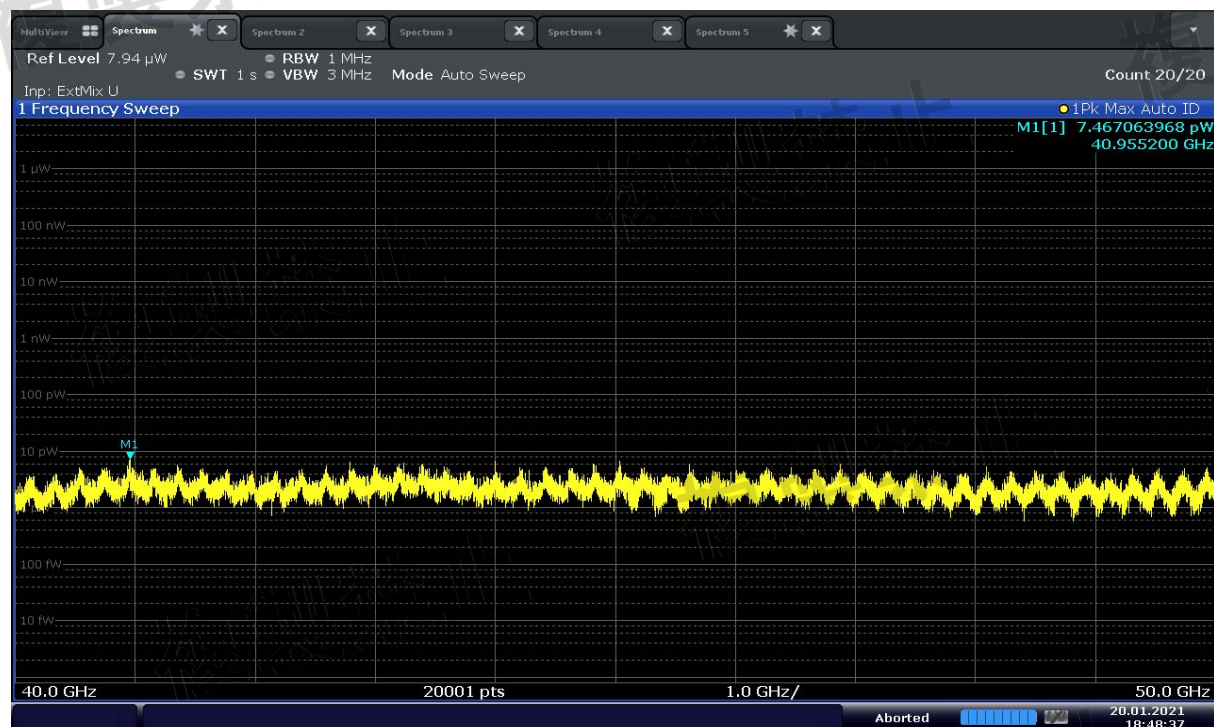


[38 GHz ~ 40 GHz]

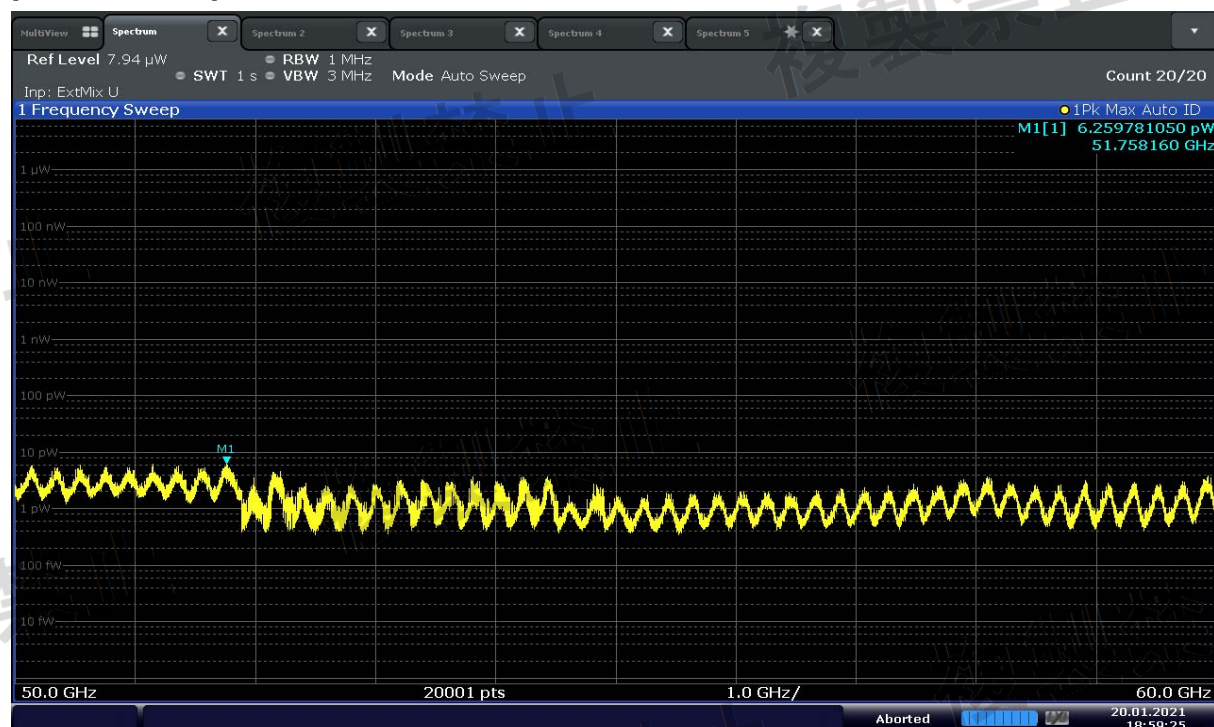


MAR110

[40 GHz ~ 50 GHz]

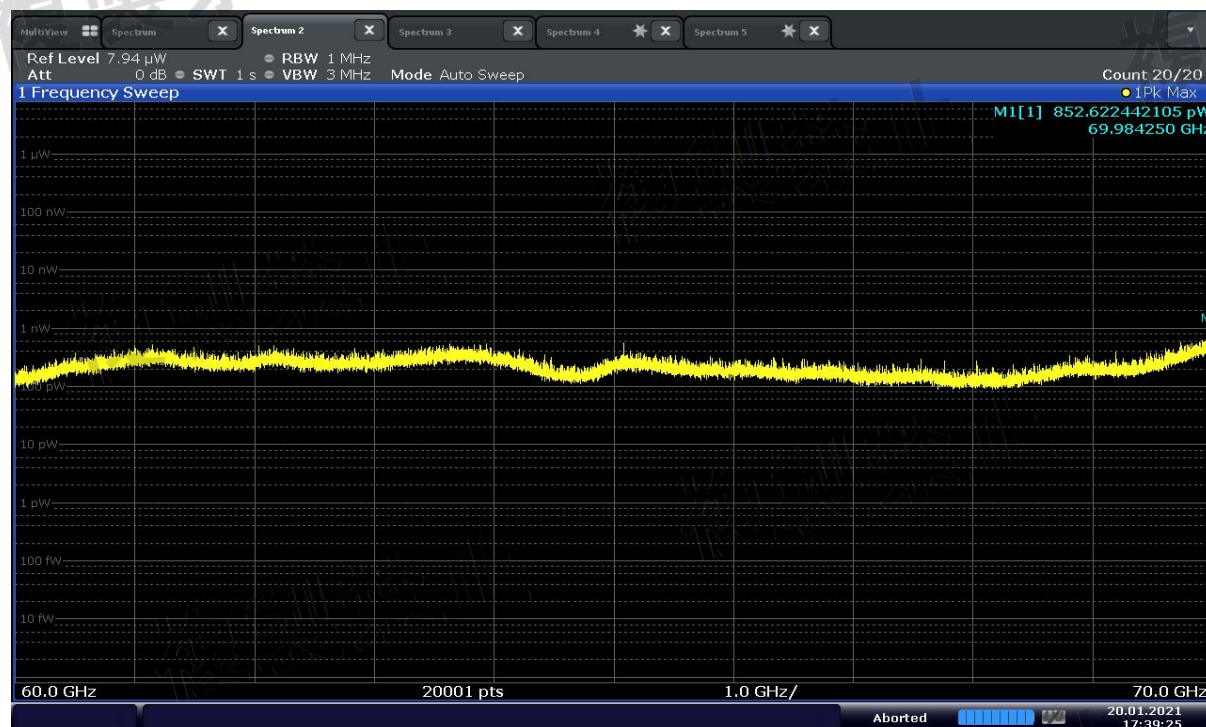


[50 GHz ~ 60 GHz]

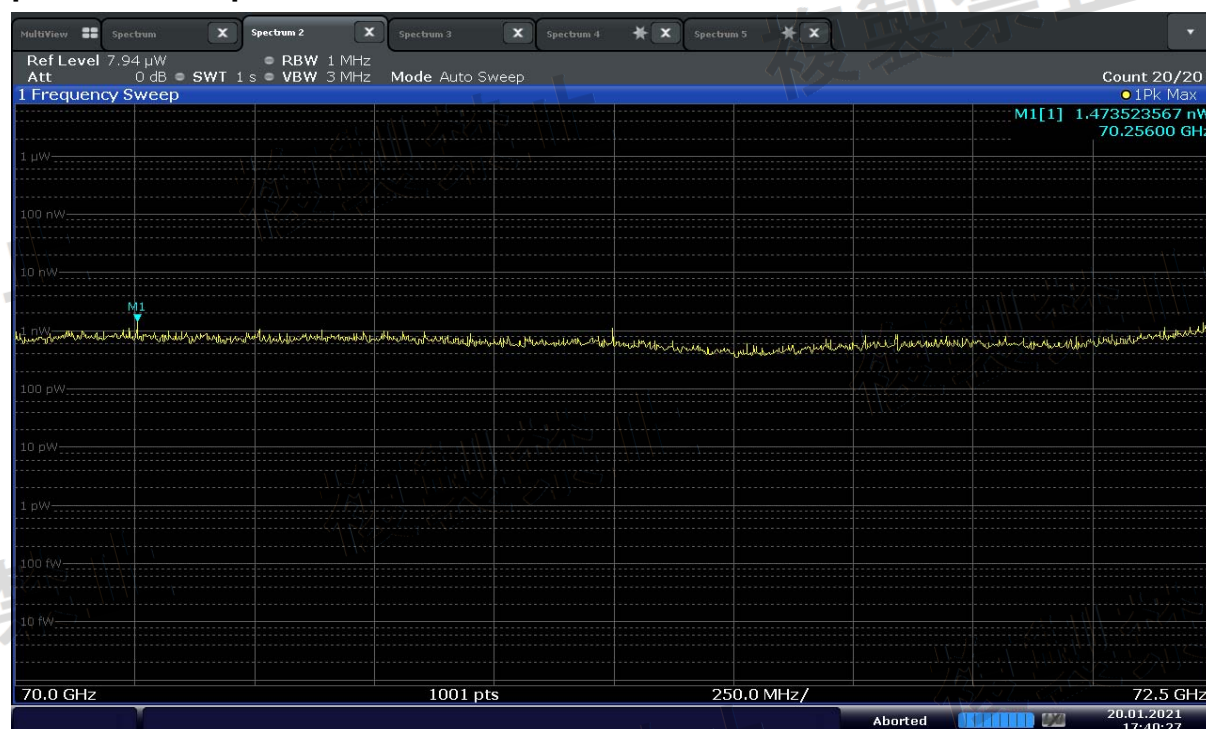


MAR110

[60 GHz ~ 70 GHz]

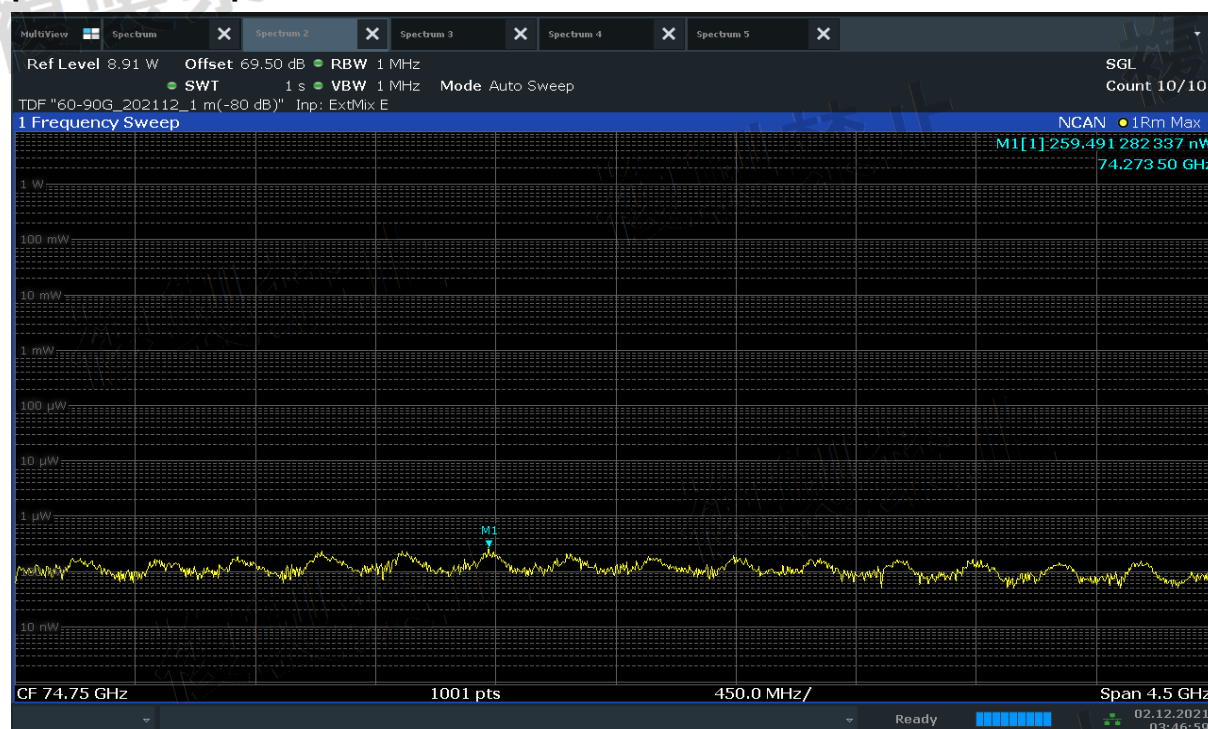


[70 GHz ~ 72.5 GHz]

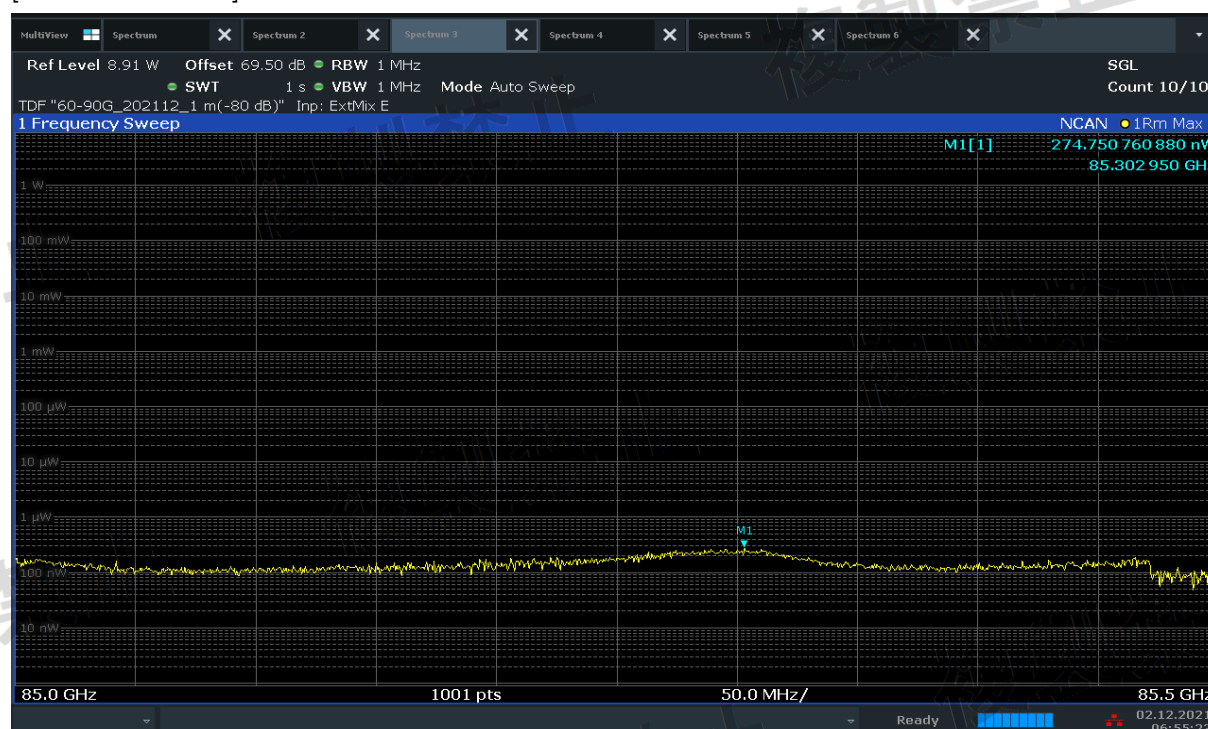


MAR110

[72.5 GHz ~ 77 GHz]

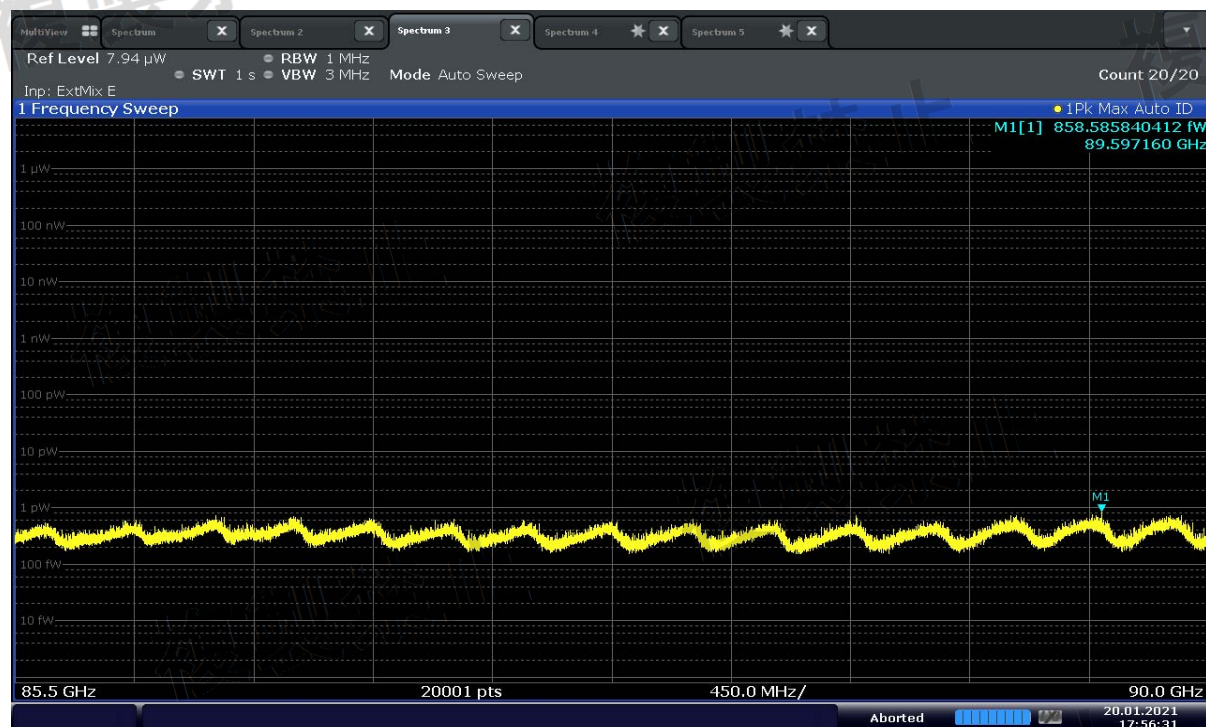


[85 GHz ~ 85.5 GHz]

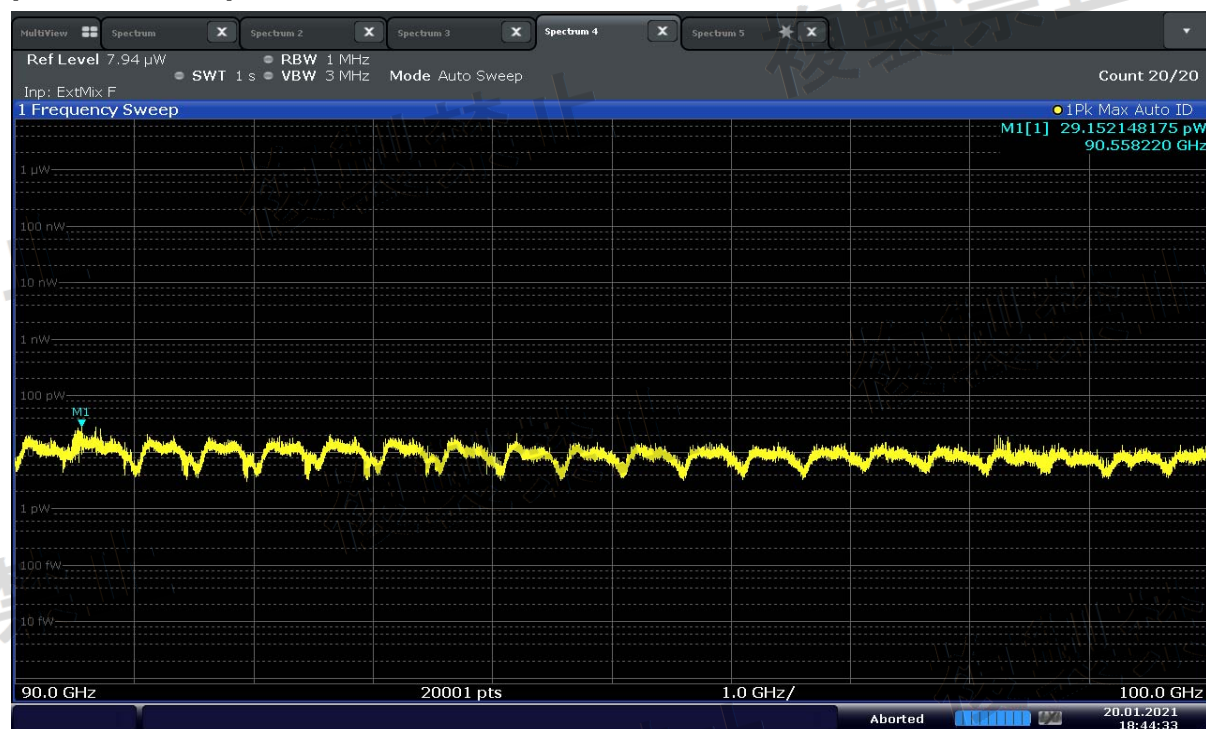


MAR110

[85.5 GHz ~ 90 GHz]

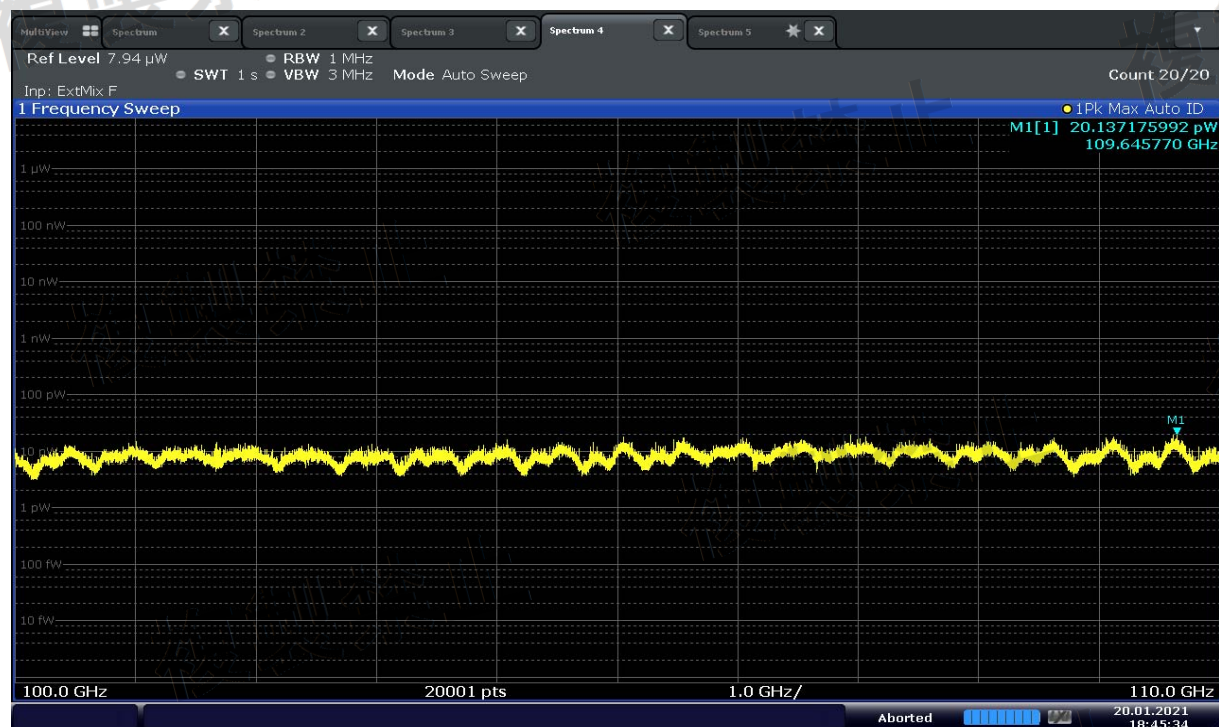


[90 GHz ~ 100 GHz]



MAR110

[100 GHz ~ 110 GHz]



The Strength of Unwanted Emissions

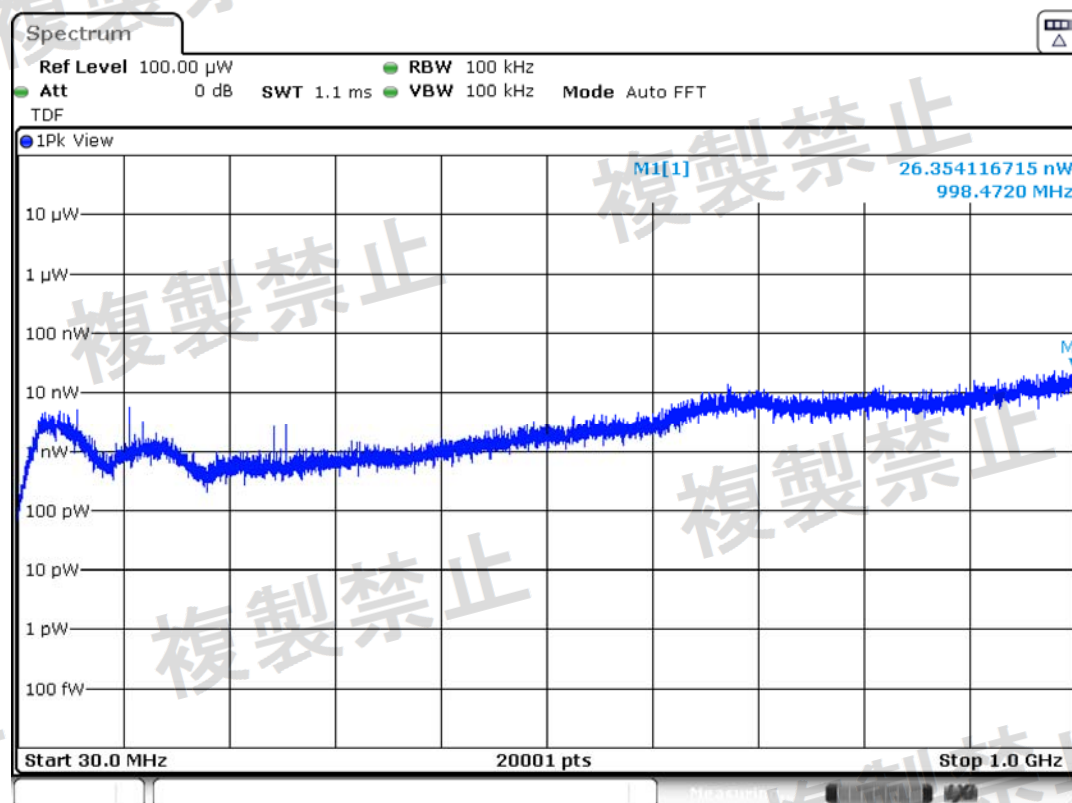
Normal Voltage_Mid mode

Measured frequency band	Test distance (m)	Polarization (EUT/antenna)	Measured frequency (GHz)	Measured value ⁽¹⁾ (μW)
30 MHz ~ 1 GHz	3	Y/V	0.998	0.02635
1 GHz ~ 10 GHz	1	Z/V	9.85	0.01180
10 GHz ~ 18 GHz	1	Z/V	17.84	0.03870
18 GHz ~ 28 GHz	1	Y/H	26.42	0.17550
28 GHz ~ 38 GHz	1	Y/H	36.93	0.00878
38 GHz ~ 40 GHz	1	X/H	39.76	0.01104
40 GHz ~ 50 GHz	near field	-	Not detected	
50 GHz ~ 60 GHz	near field	-	Not detected	
60 GHz ~ 70 GHz	near field	-	Not detected	
70 GHz ~ 72.5 GHz	near field	-	Not detected	
72.5 GHz ~ 77 GHz	1	X/V	73.94	0.24583
85 GHz ~ 85.5 GHz	1	Z/V	85.28	0.28262
85.5 GHz ~ 90 GHz	near field	-	Not detected	
90 GHz ~ 100 GHz	near field	-	Not detected	
100 GHz ~ 110 GHz	near field	-	Not detected	

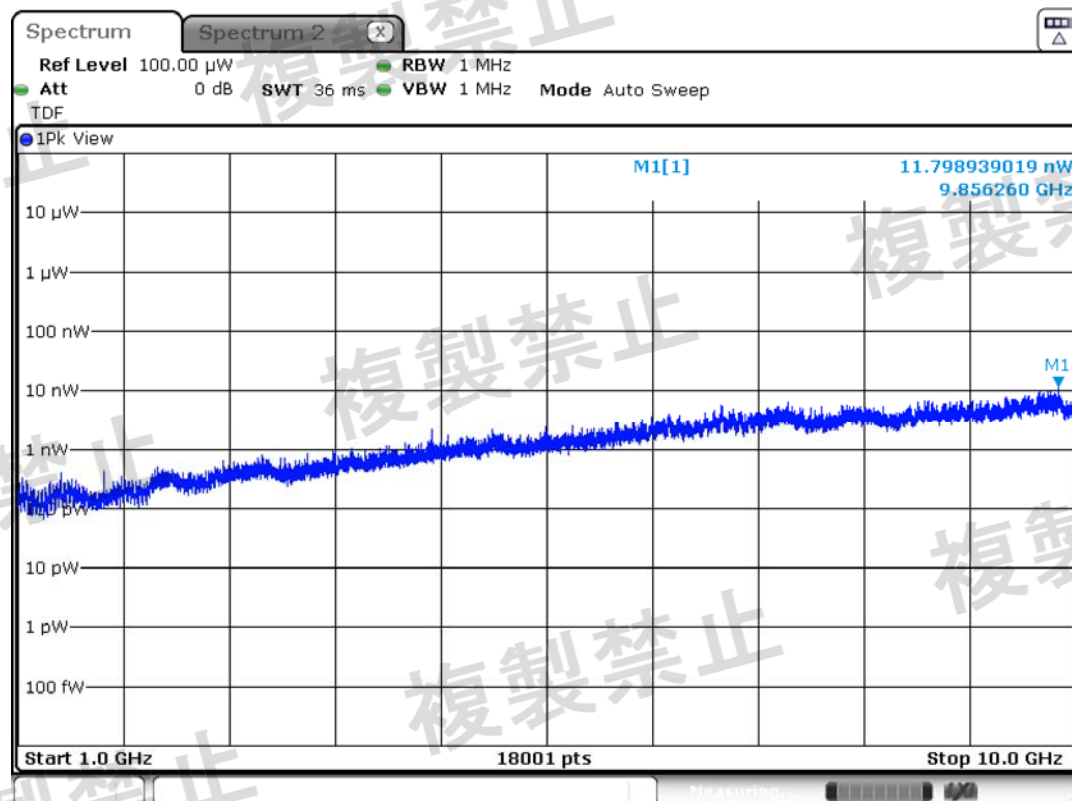
Note 1) Measured value is the value that contains the correction factor

MAR110

[30 MHz ~ 1 GHz]

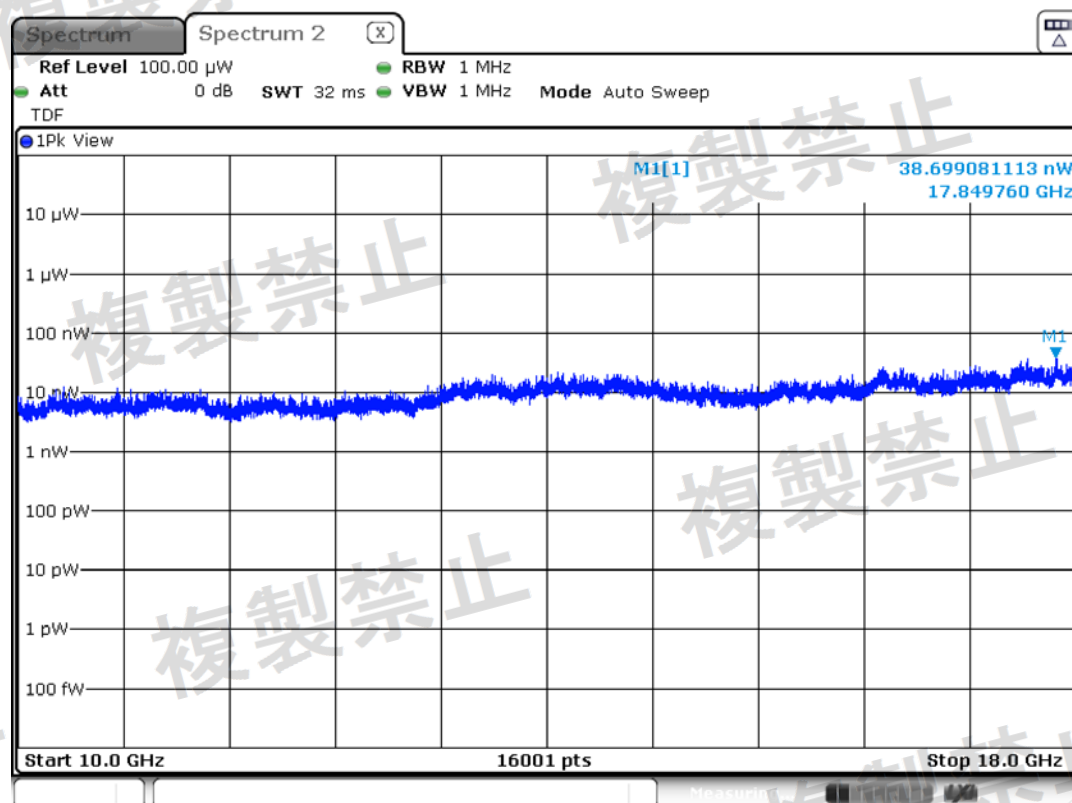


[1 GHz ~ 10 GHz]

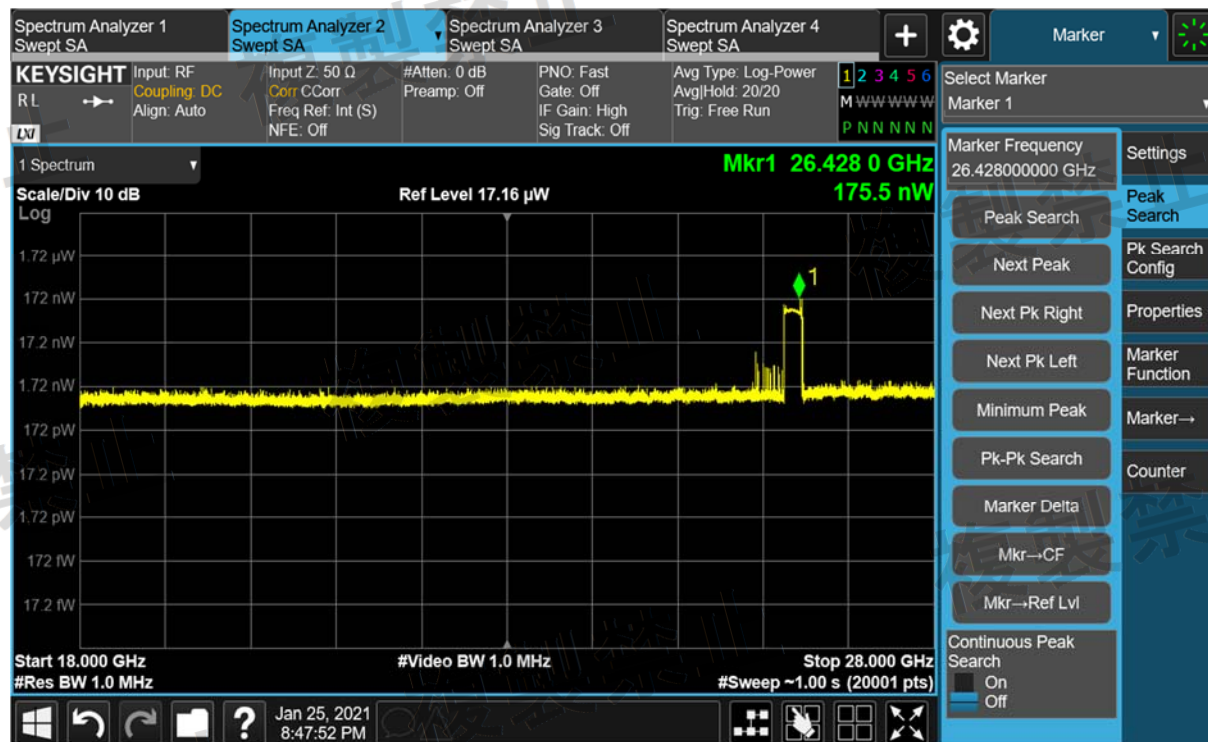


MAR110

[10 GHz ~ 18 GHz]

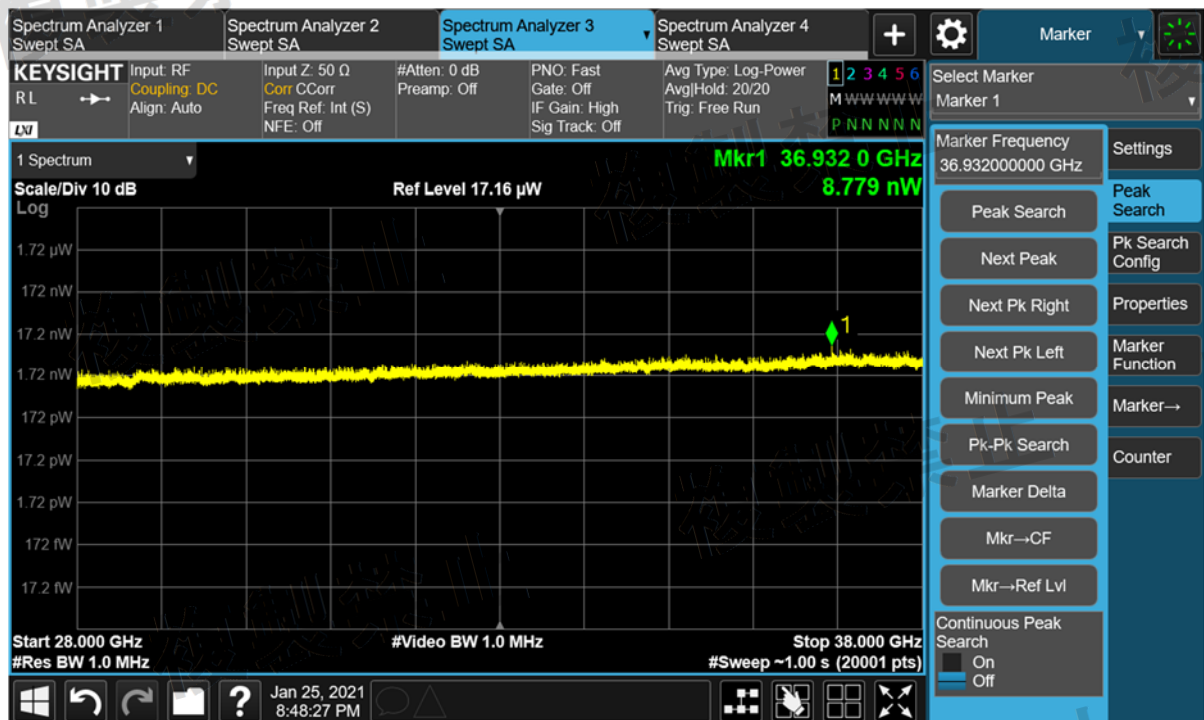


[18 GHz ~ 28 GHz]

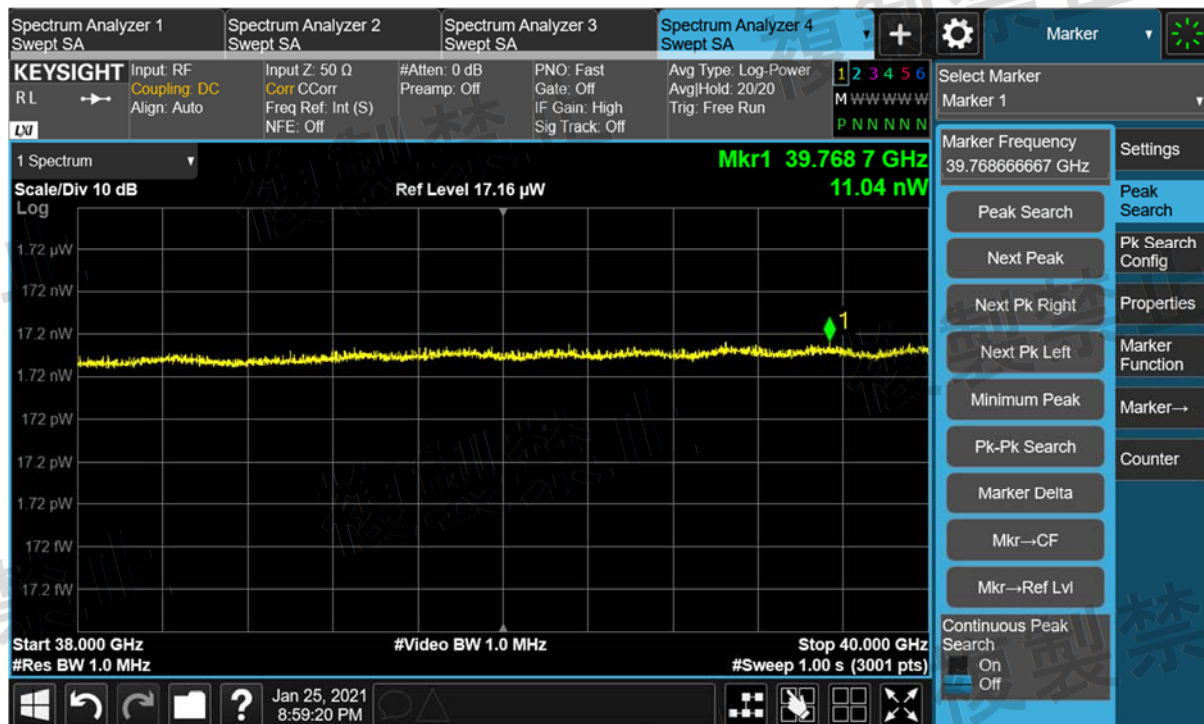


MAR110

[28 GHz ~ 38 GHz]

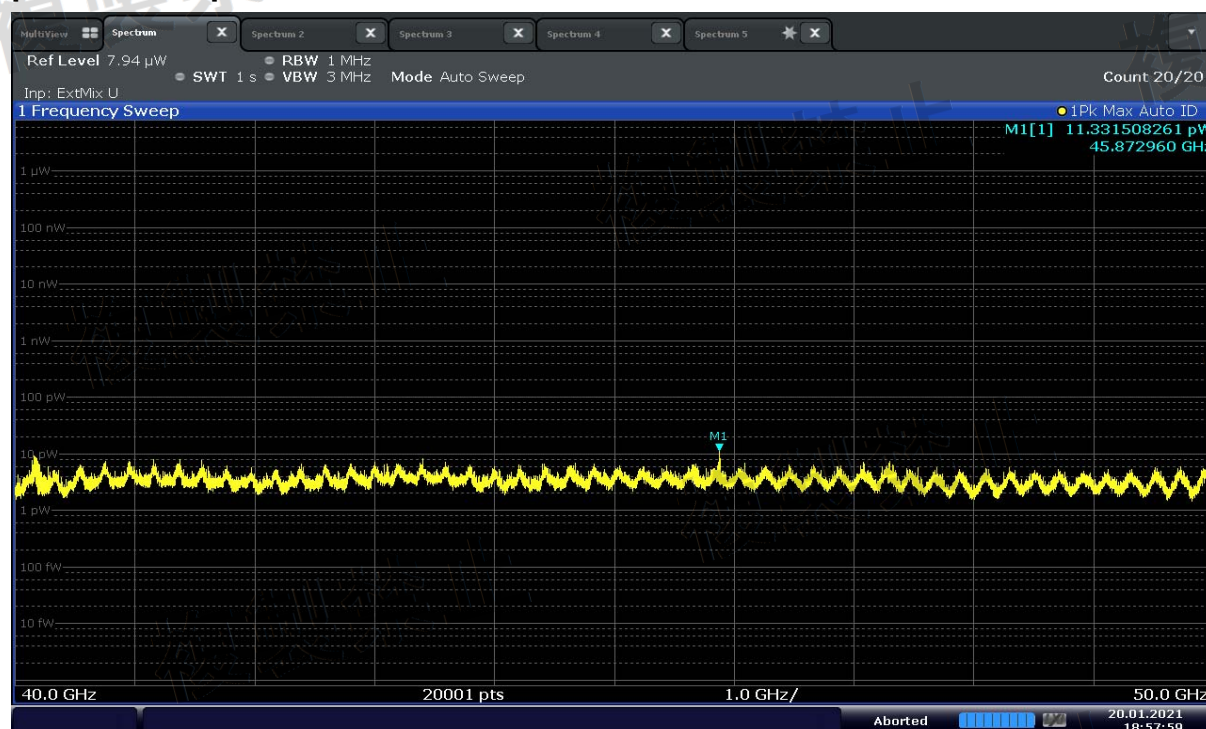


[38 GHz ~ 40 GHz]

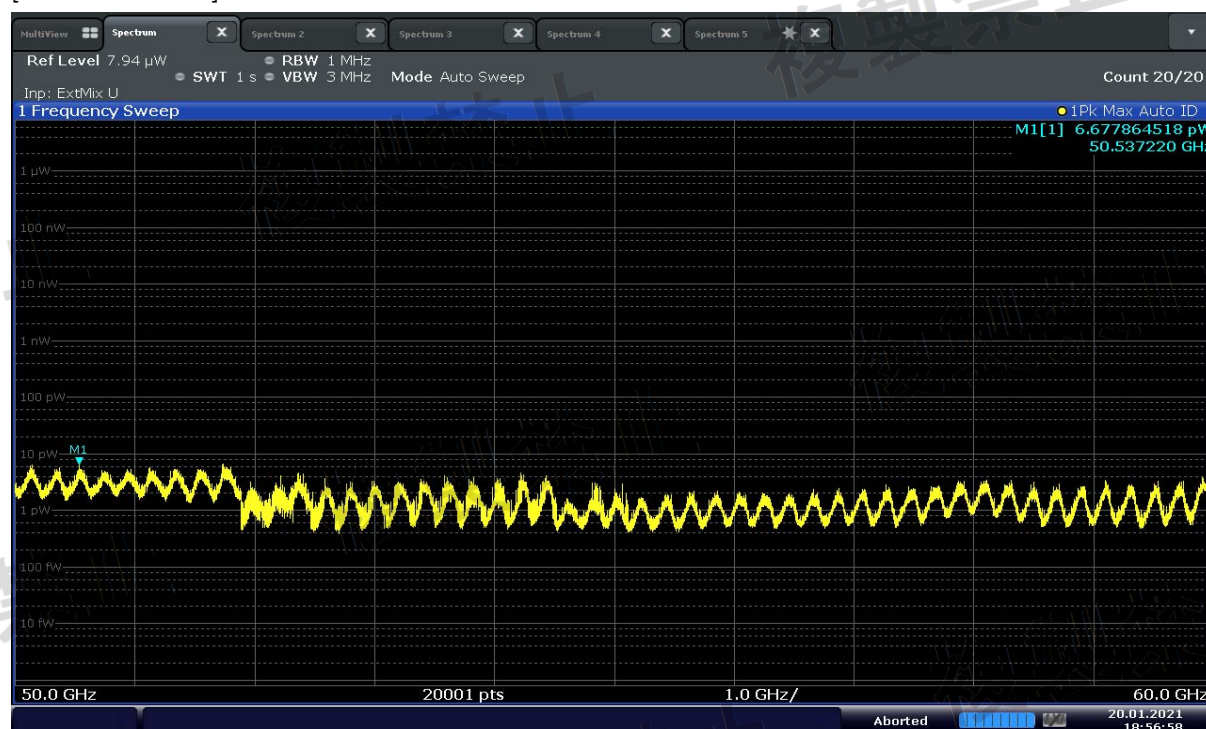


MAR110

[40 GHz ~ 50 GHz]

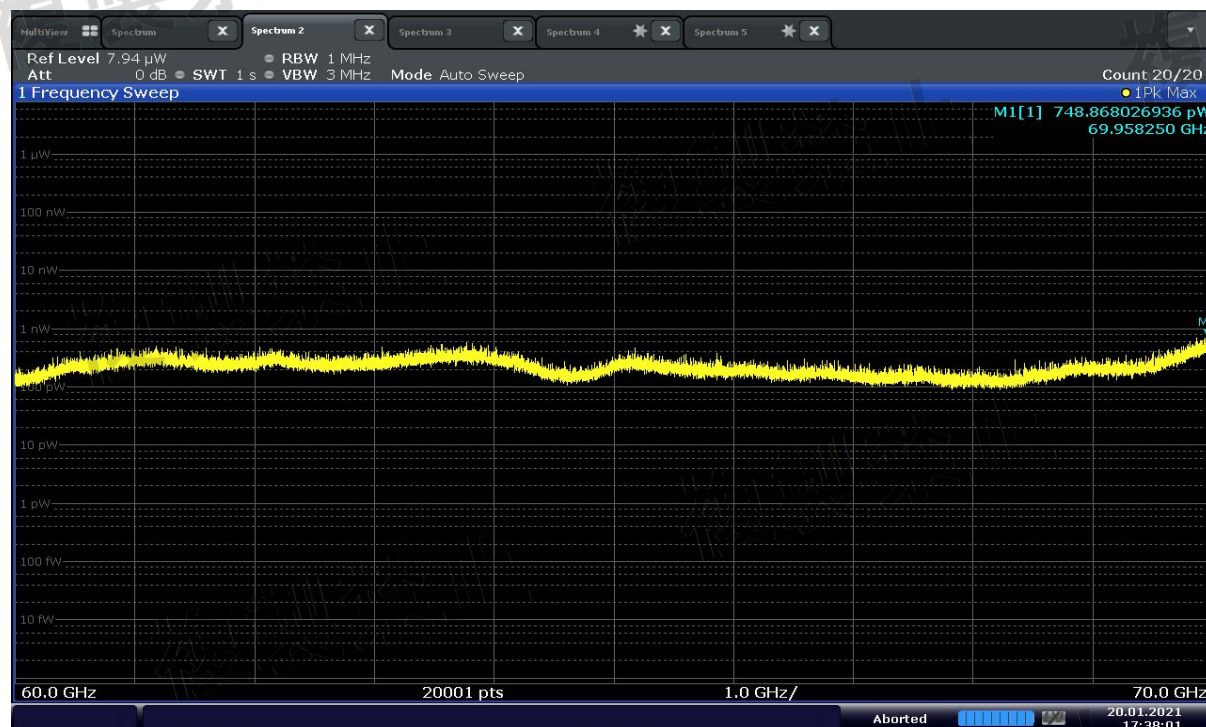


[50 GHz ~ 60 GHz]

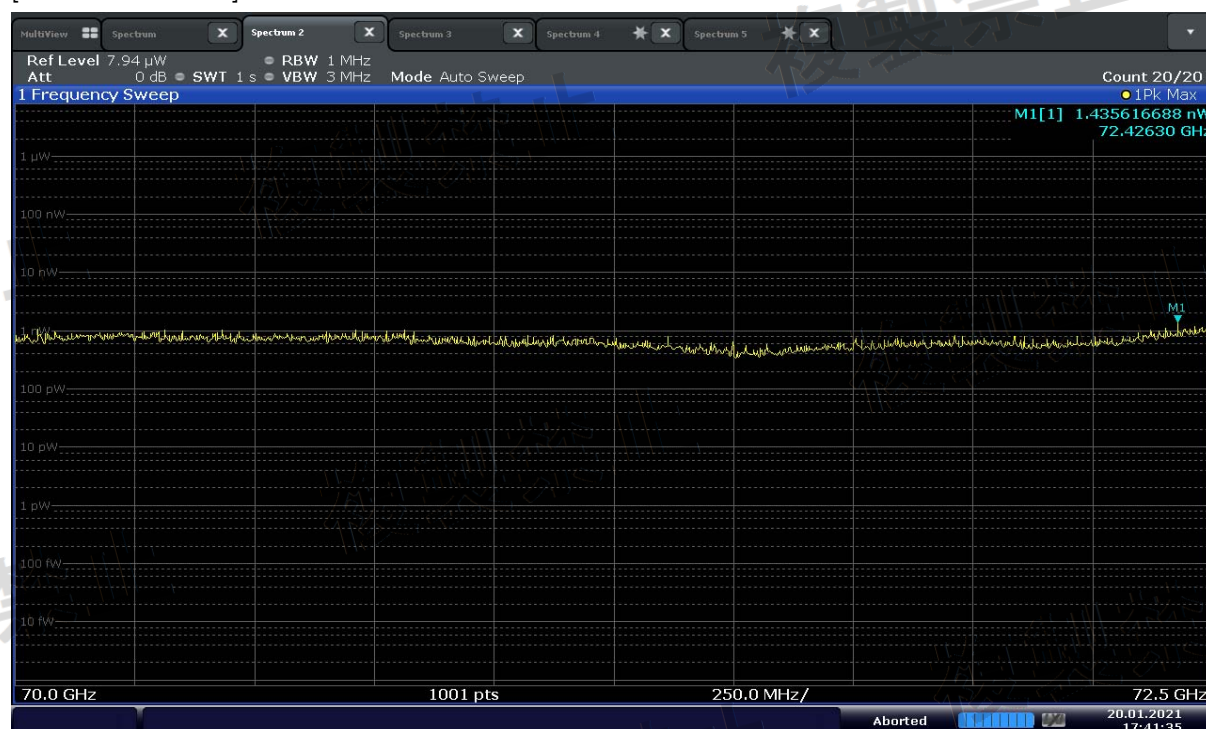


MAR110

[60 GHz ~ 70 GHz]

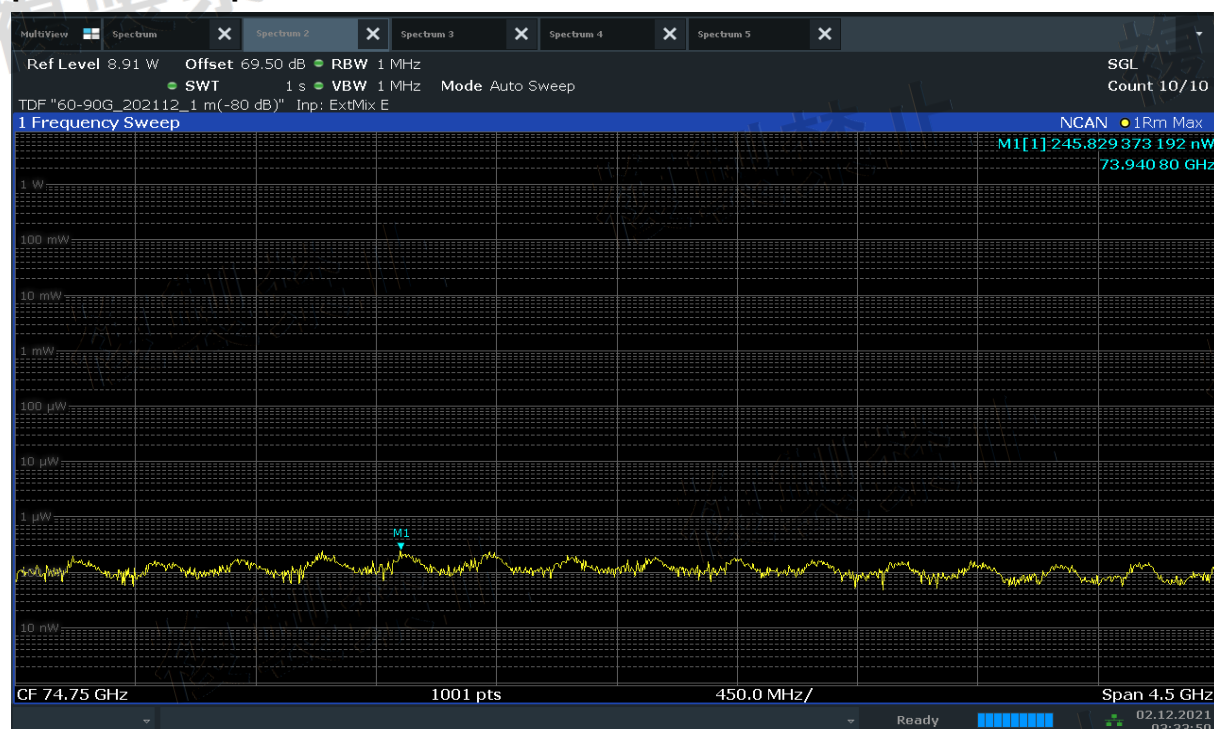


[70 GHz ~ 72.5 GHz]

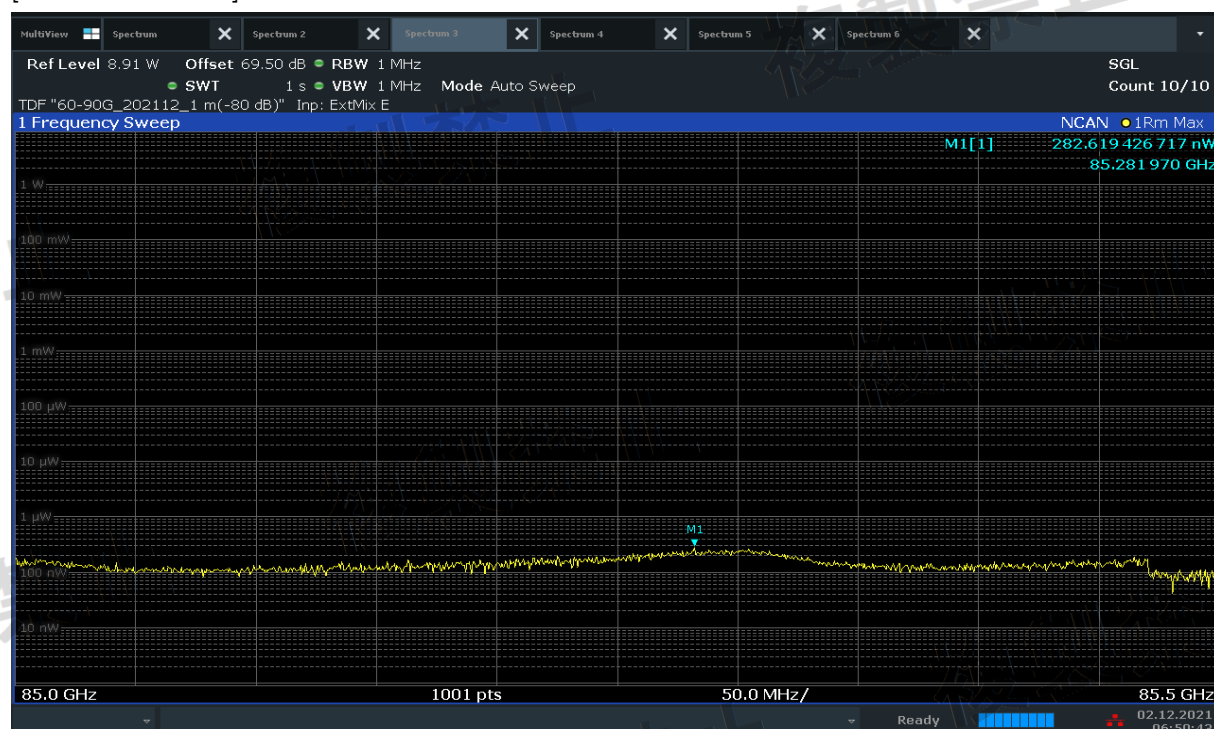


MAR110

[72.5 GHz ~ 77 GHz]

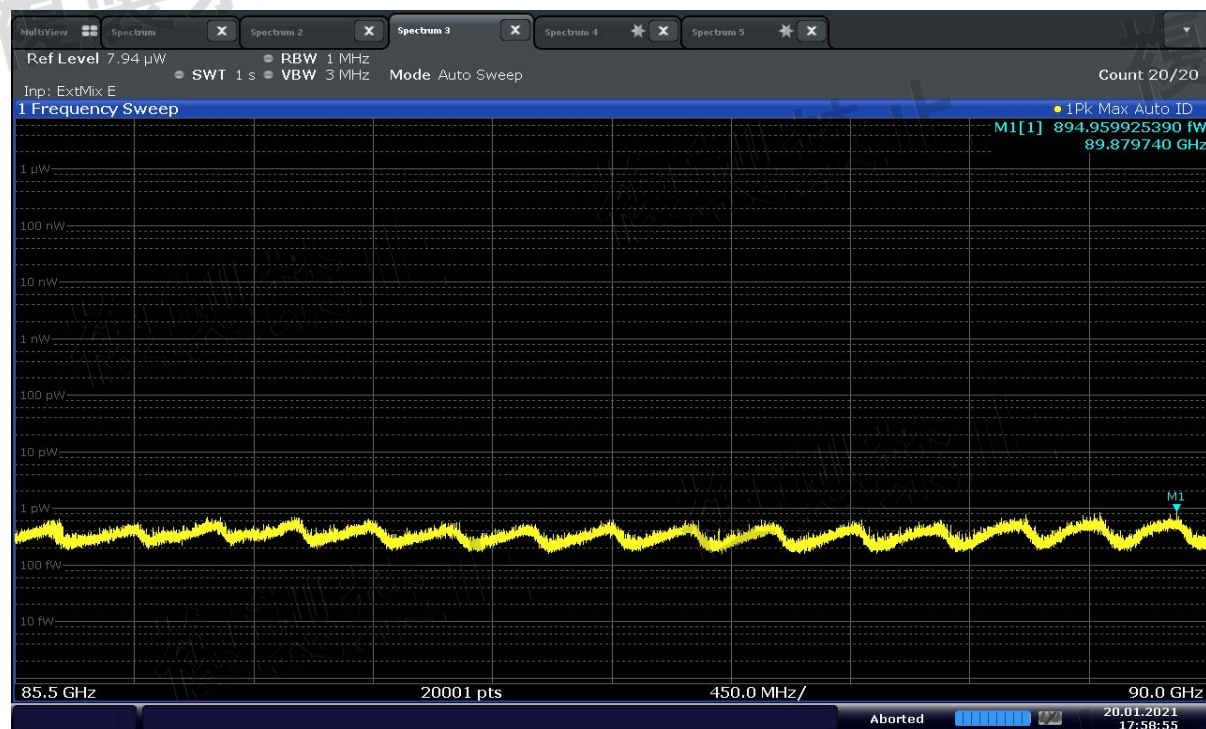


[85 GHz ~ 85.5 GHz]

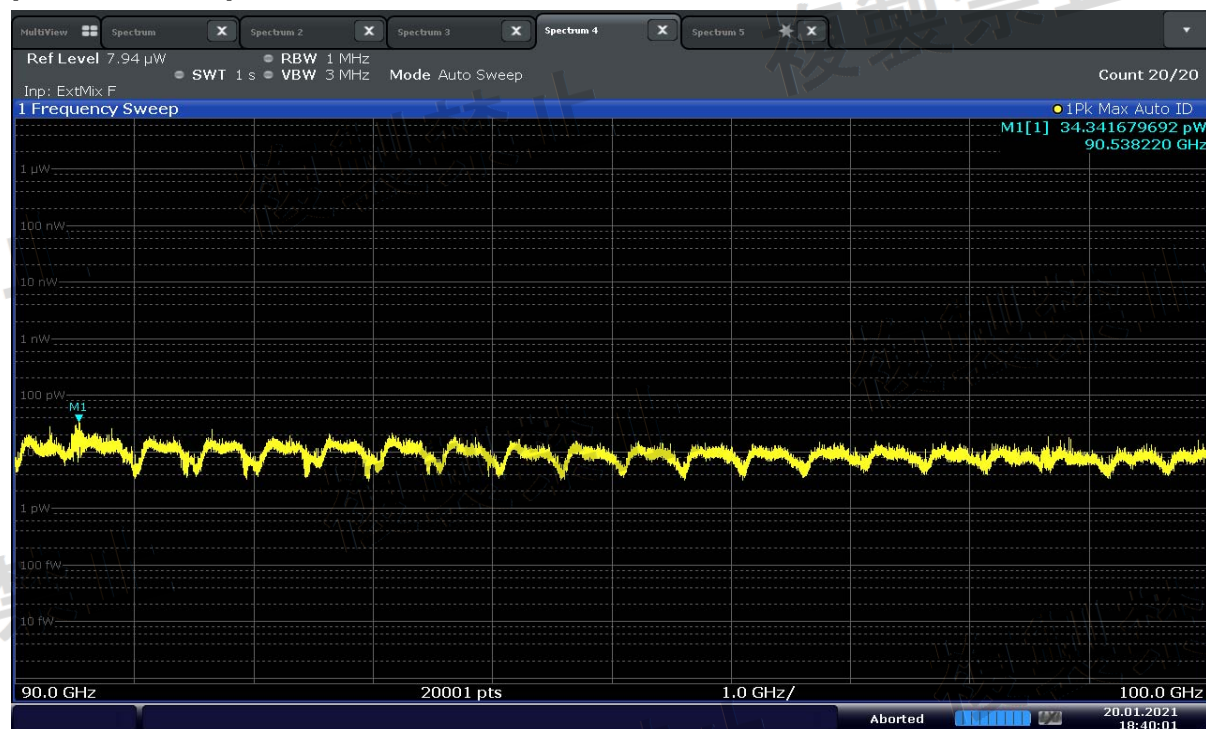


MAR110

[85.5 GHz ~ 90 GHz]



[90 GHz ~ 100 GHz]



MAR110

[100 GHz ~ 110 GHz]



The Strength of Unwanted Emissions

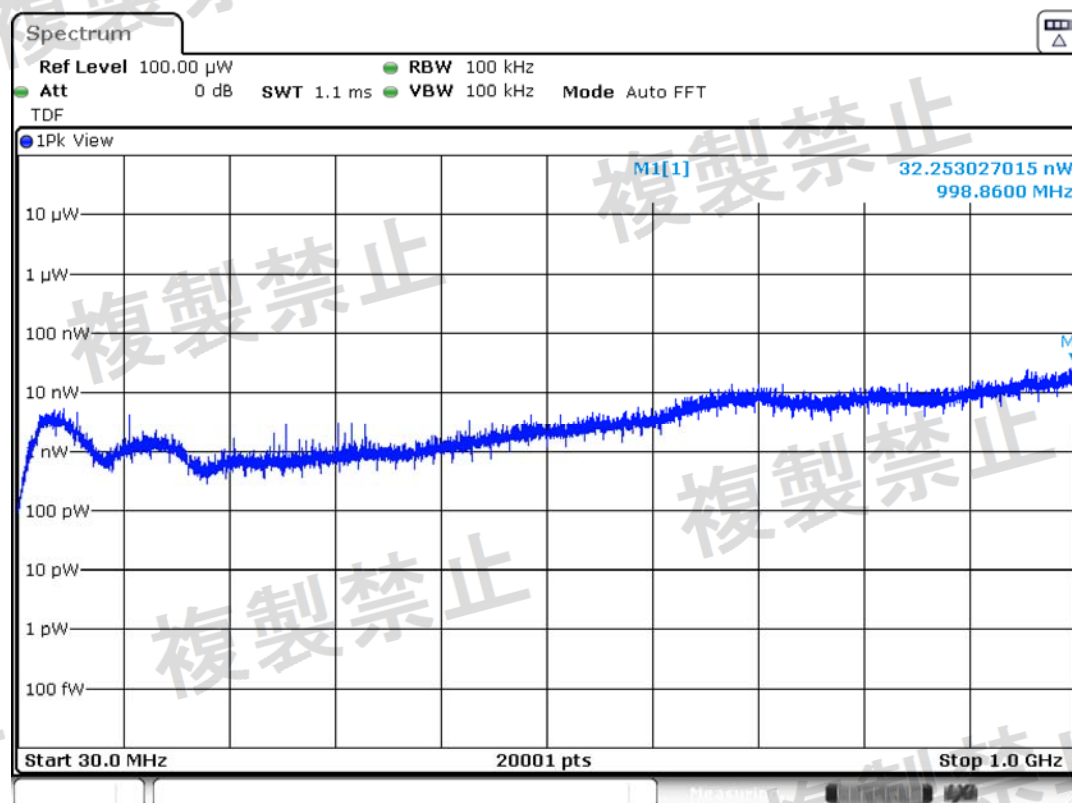
Normal Voltage_High mode

Measured frequency band	Test distance (m)	Polarization (EUT/antenna)	Measured frequency (GHz)	Measured value ⁽¹⁾ (μW)
30 MHz ~ 1 GHz	3	Z/H	0.998	0.03225
1 GHz ~ 10 GHz	1	Y/V	9.84	0.01345
10 GHz ~ 18 GHz	1	X/H	17.74	0.03641
18 GHz ~ 28 GHz	1	Y/H	26.66	0.18890
28 GHz ~ 38 GHz	1	X/H	37.14	0.00871
38 GHz ~ 40 GHz	1	Z/H	39.73	0.01451
40 GHz ~ 50 GHz	near field	-	Not detected	
50 GHz ~ 60 GHz	near field	-	Not detected	
60 GHz ~ 70 GHz	near field	-	Not detected	
70 GHz ~ 72.5 GHz	near field	-	Not detected	
72.5 GHz ~ 77 GHz	1	X/V	74.27	0.26165
85 GHz ~ 85.5 GHz	1	X/V	85.28	0.27389
85.5 GHz ~ 90 GHz	near field	-	Not detected	
90 GHz ~ 100 GHz	near field	-	Not detected	
100 GHz ~ 110 GHz	near field	-	Not detected	

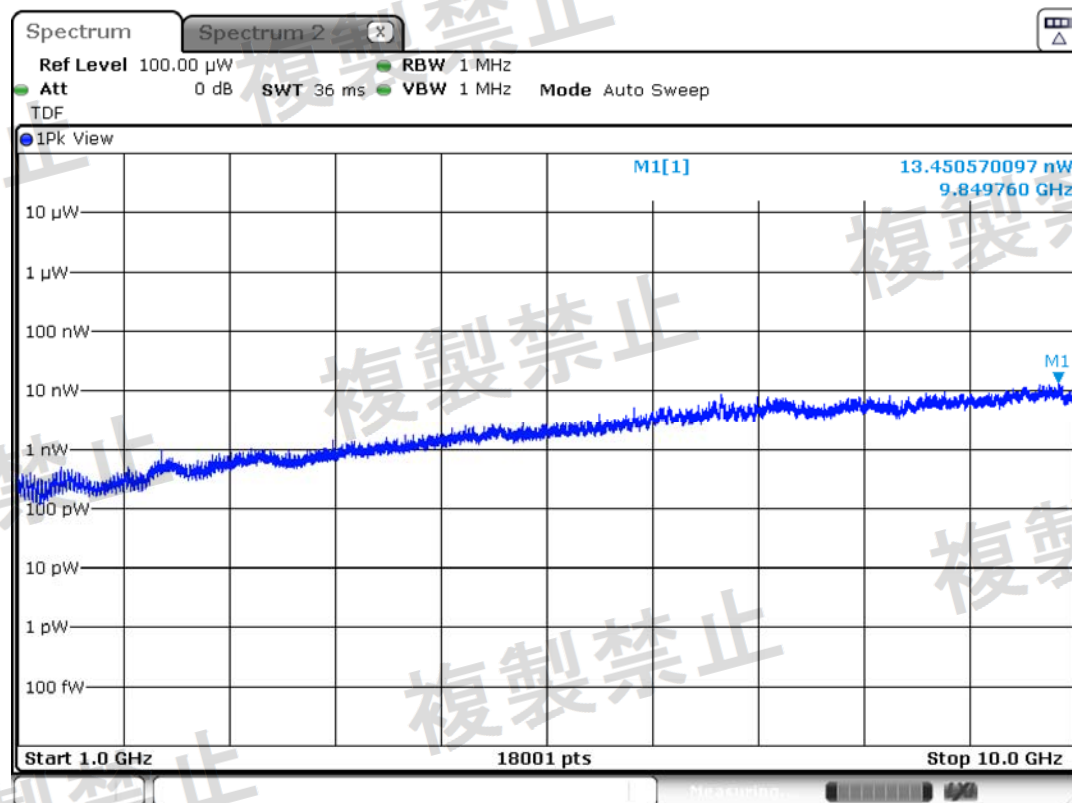
Note 1) Measured value is the value that contains the correction factor

MAR110

[30 MHz ~ 1 GHz]

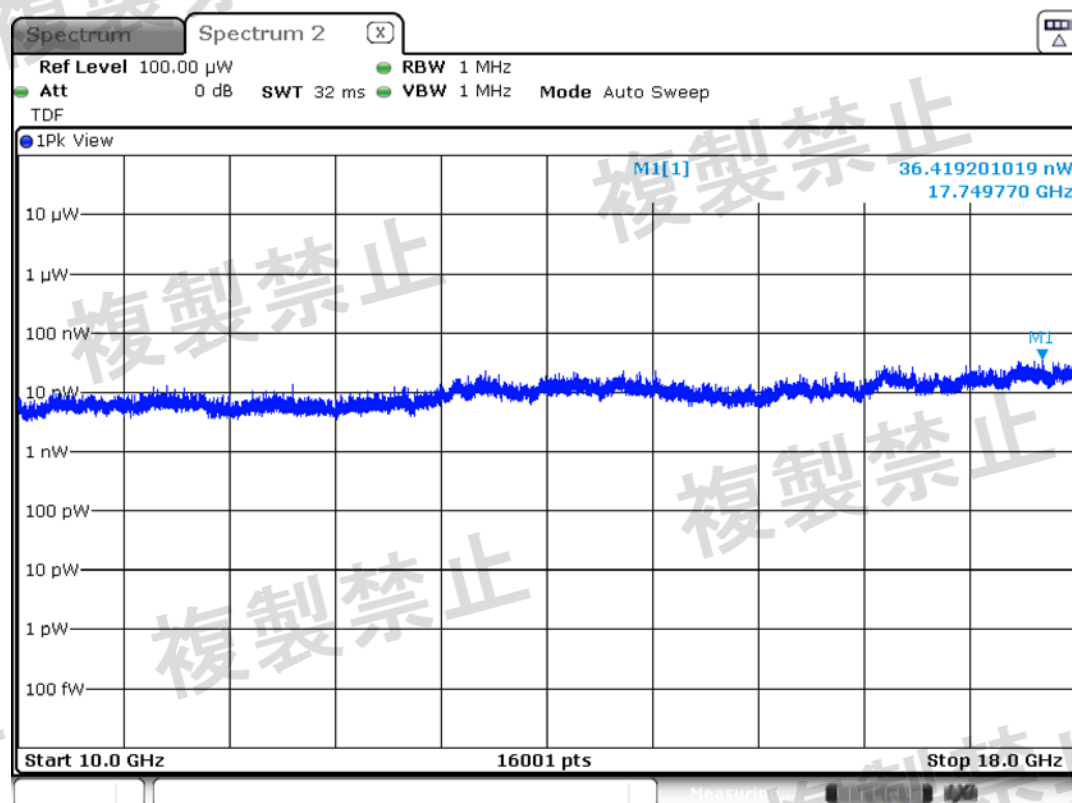


[1 GHz ~ 10 GHz]

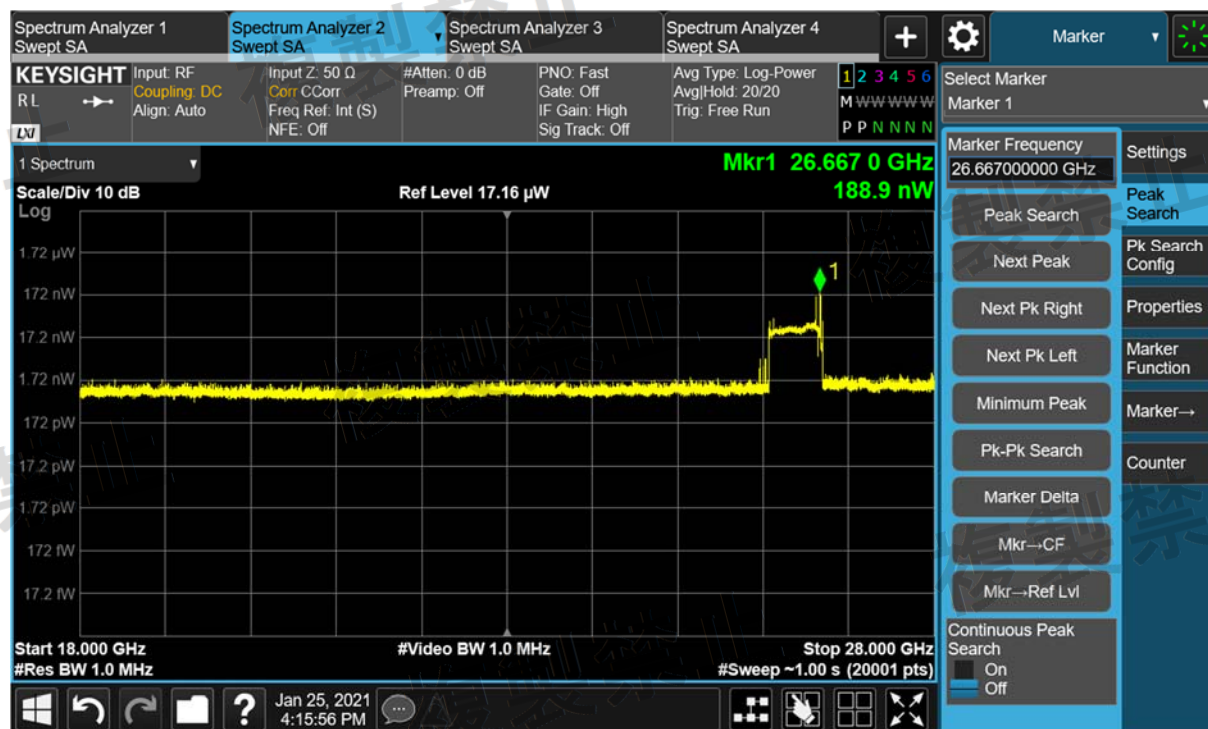


MAR110

[10 GHz ~ 18 GHz]

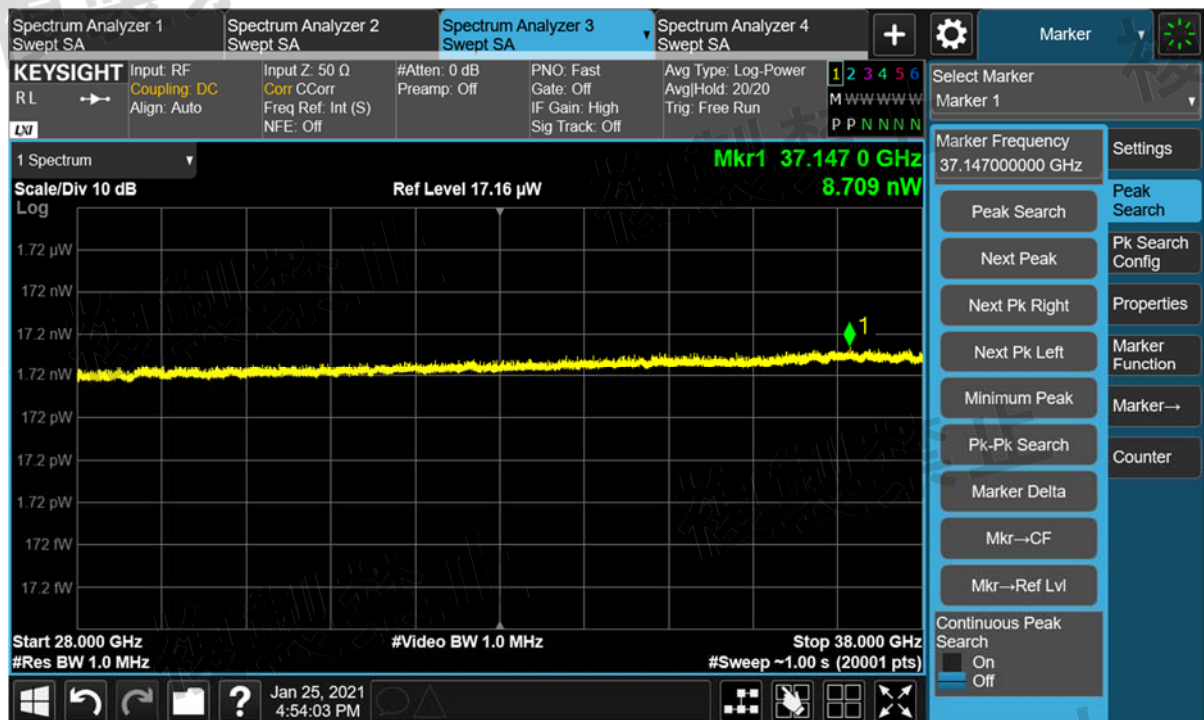


[18 GHz ~ 28 GHz]

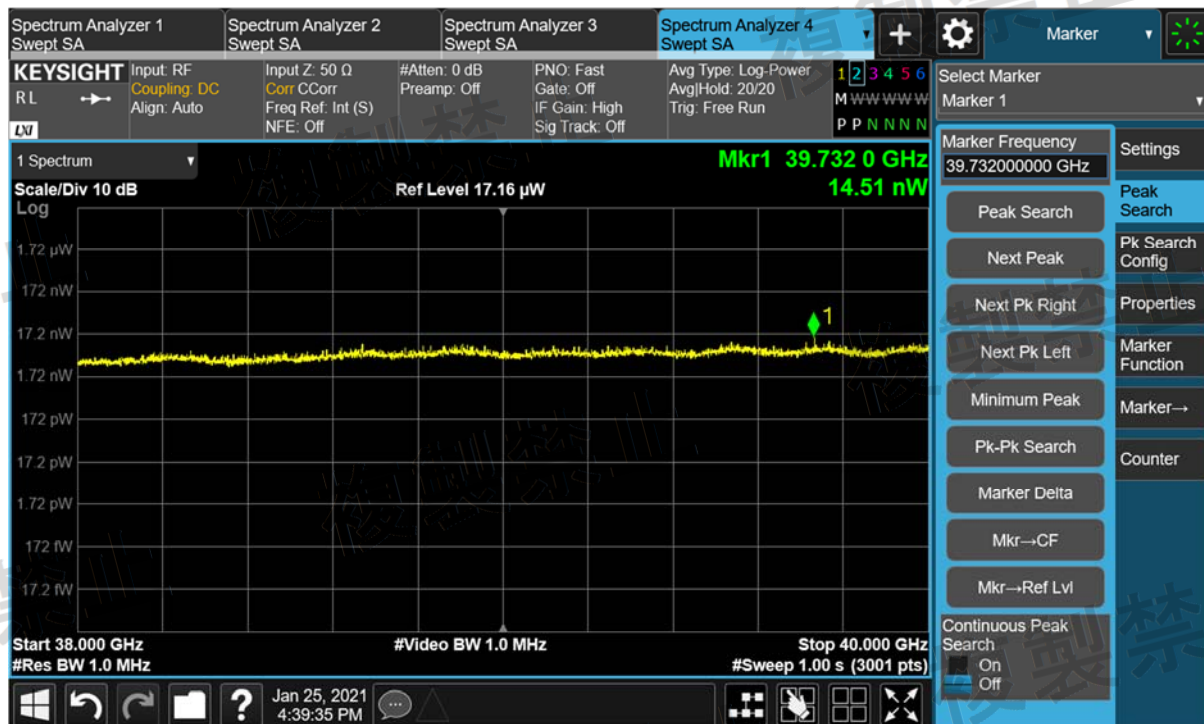


MAR110

[28 GHz ~ 38 GHz]

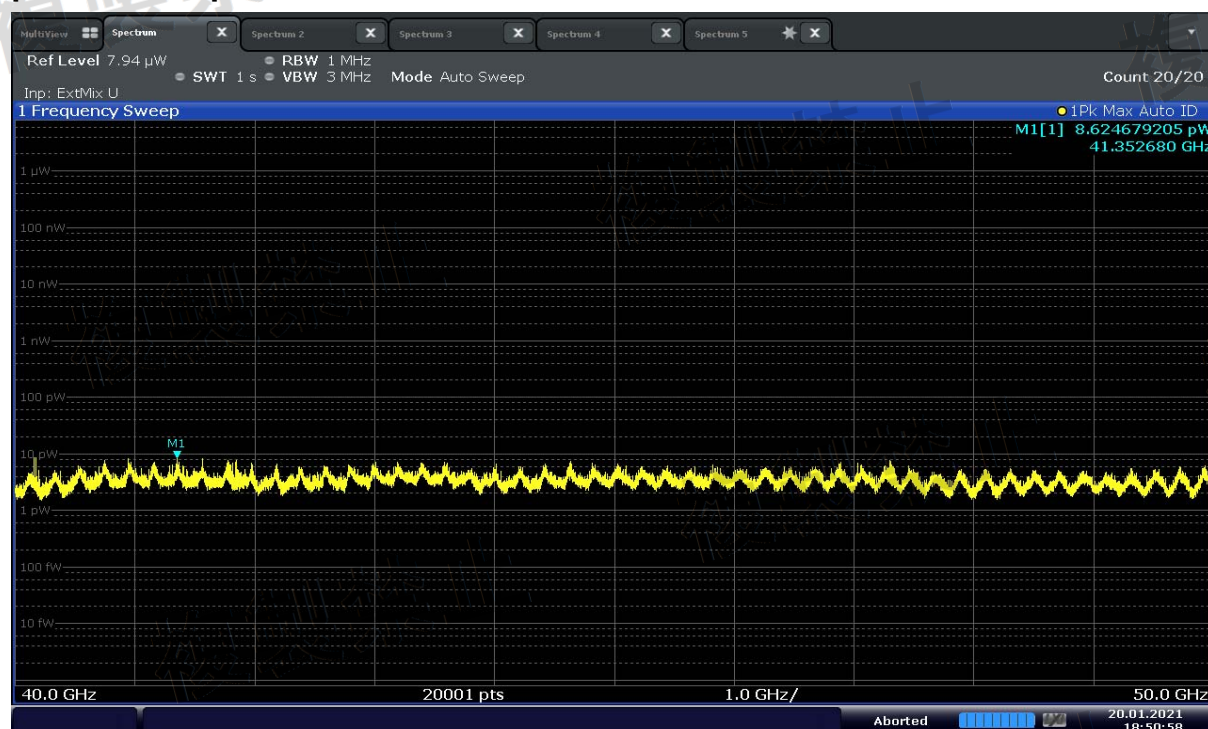


[38 GHz ~ 40 GHz]

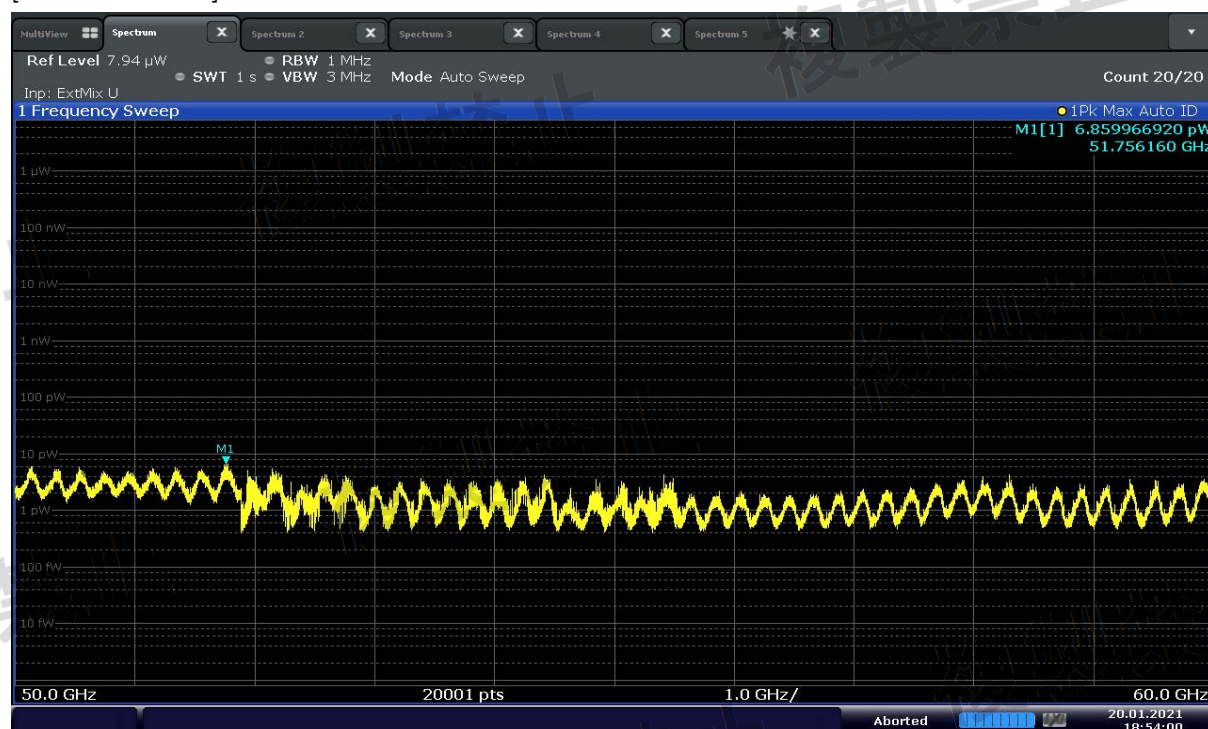


MAR110

[40 GHz ~ 50 GHz]

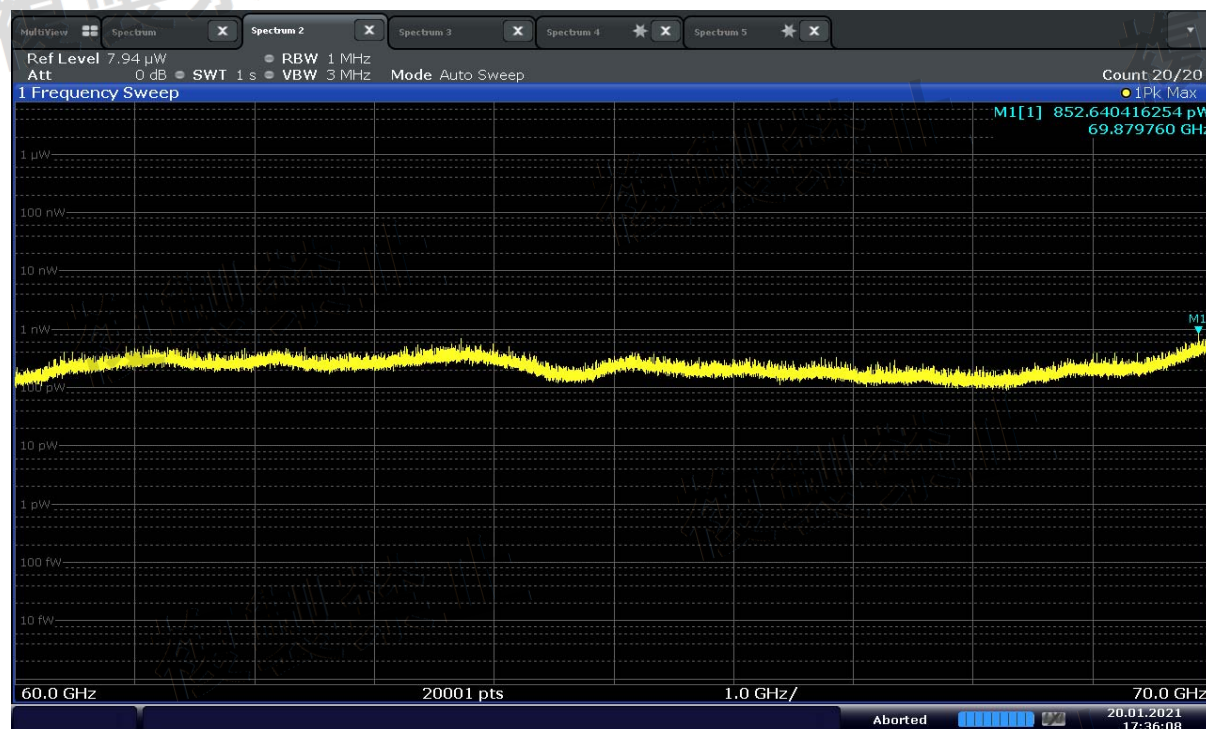


[50 GHz ~ 60 GHz]

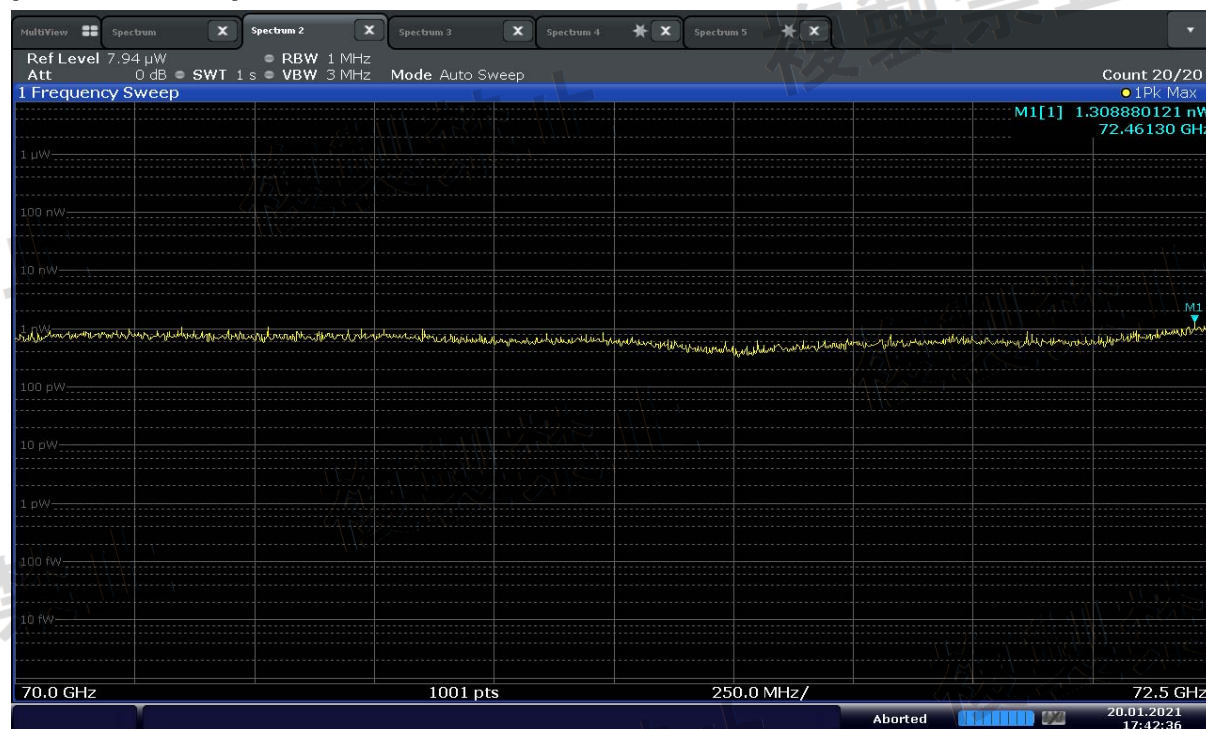


MAR110

[60 GHz ~ 70 GHz]

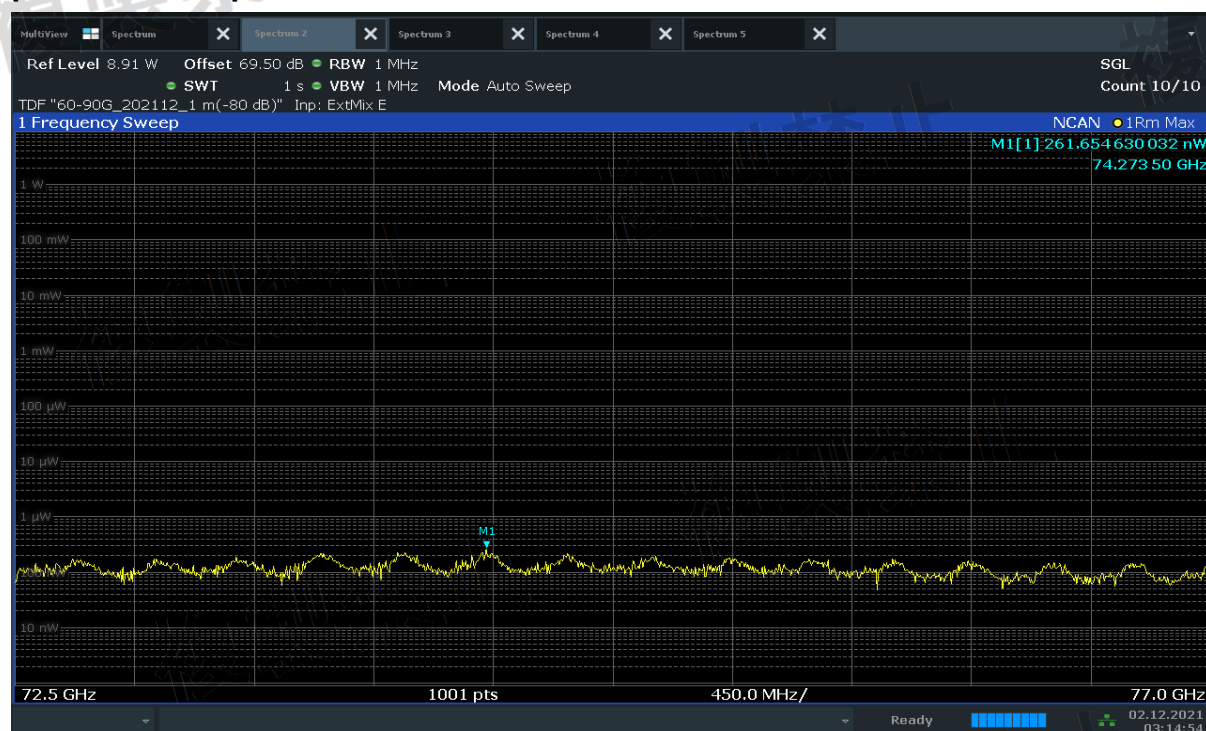


[70 GHz ~ 72.5 GHz]

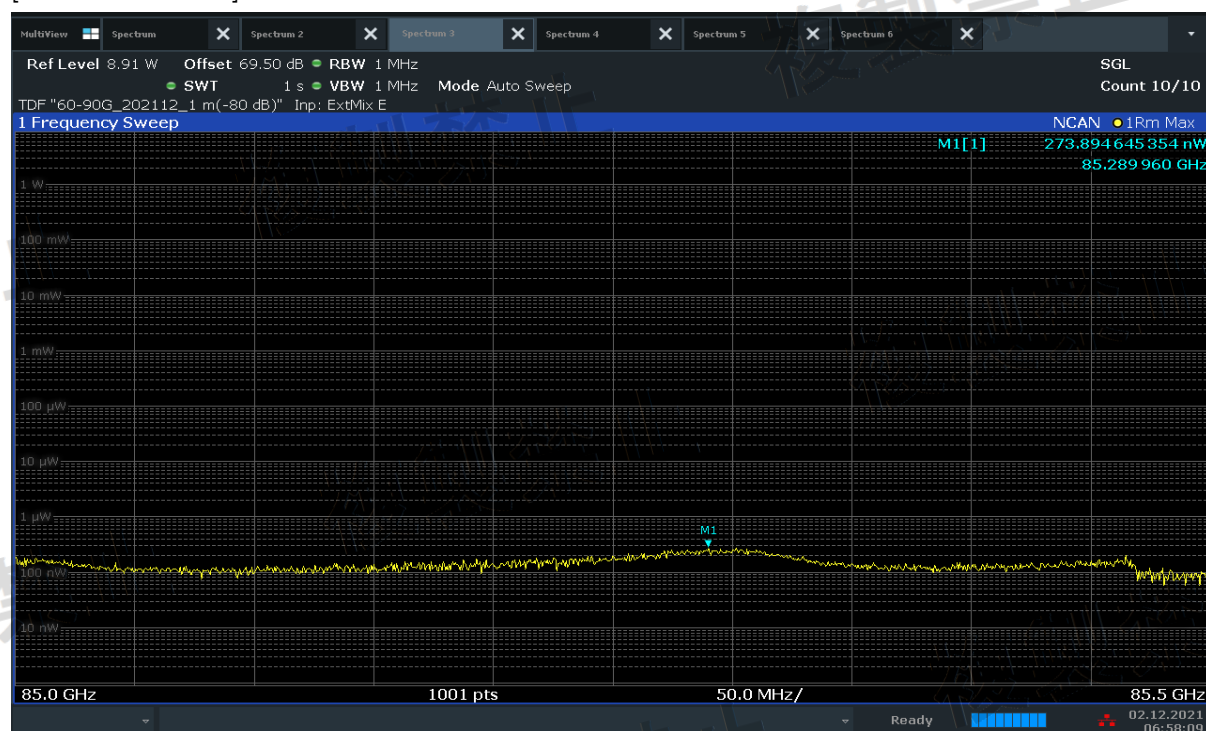


MAR110

[72.5 GHz ~ 77 GHz]

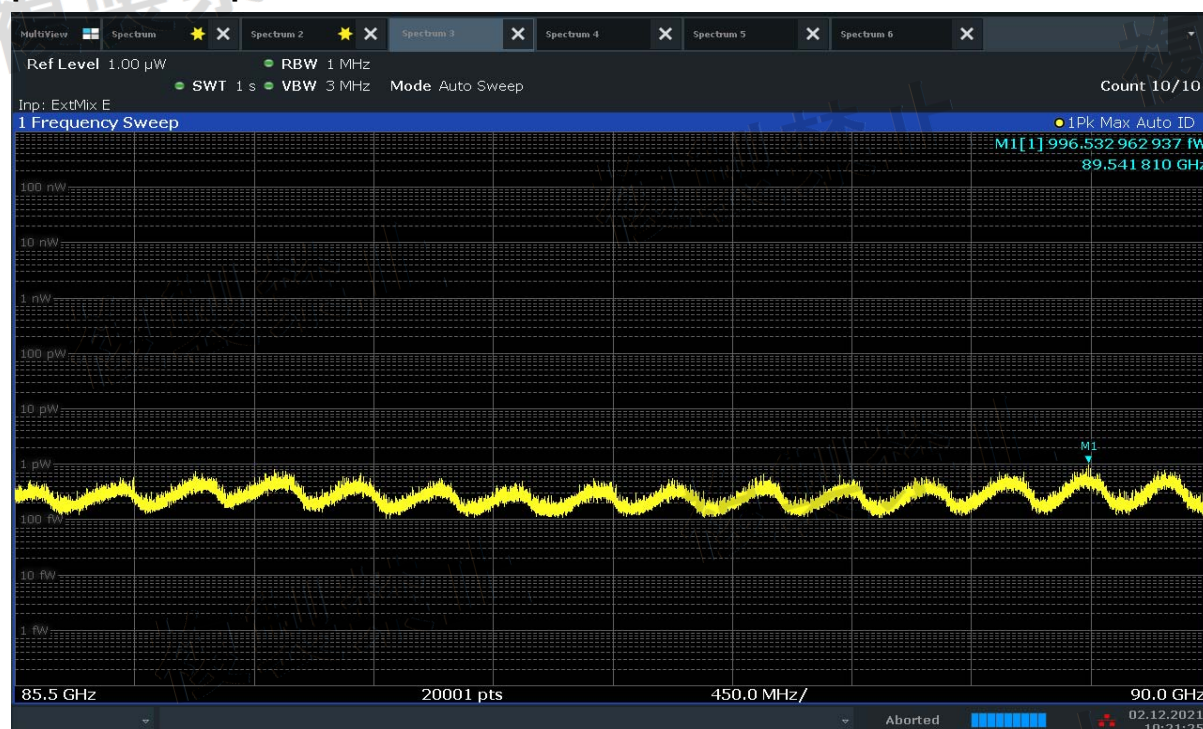


[85 GHz ~ 85.5 GHz]

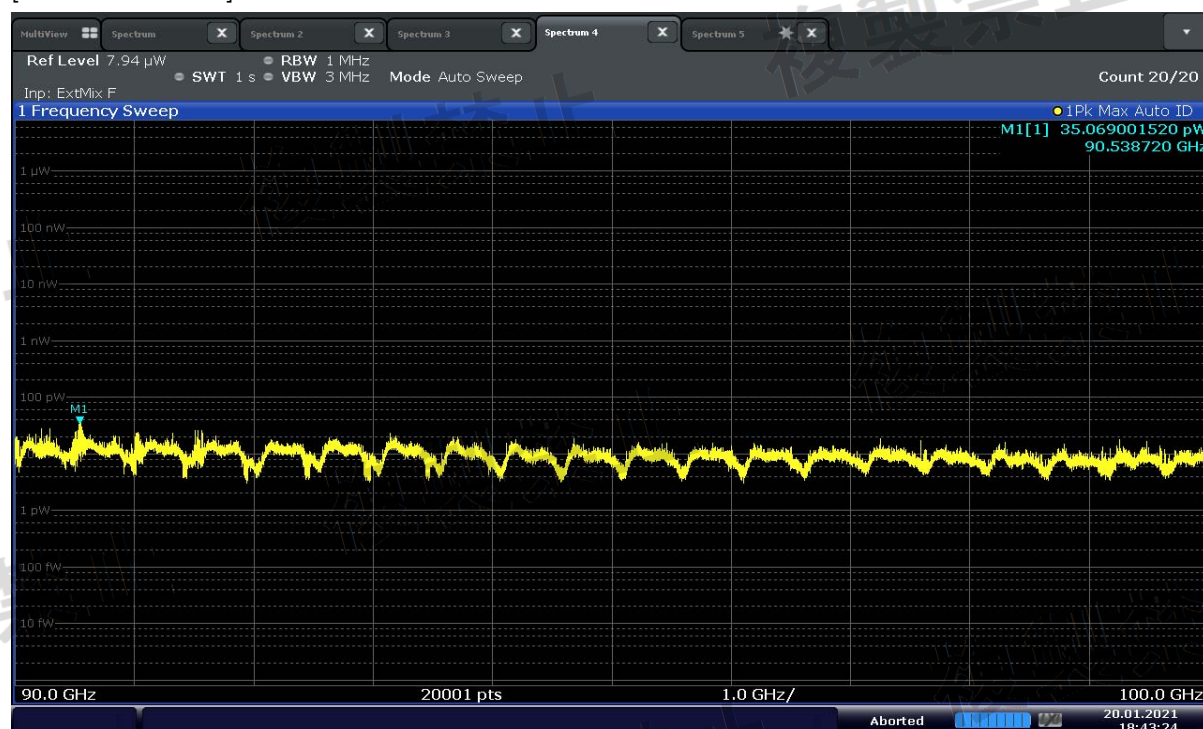


MAR110

[85.5 GHz ~ 90 GHz]



[90 GHz ~ 100 GHz]



MAR110

[100 GHz ~ 110 GHz]

