

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: Certification Ordinance Article 2-1-19-3

Report No.: RJBBQZ-WTW-P25100605-1

Product: BE5000 Dual-Band PoE 2.5G Insight Managed WiFi 7 Outdoor Access Point

Brand: NETGEAR

Model No.: WBE700Y

Series Model: WBE708Y (refer to item 3.1 for more details)

Received Date: 2025/11/15

Test Date: 2026/6/22 ~ 2026/7/20

Issued Date: 2026/8/5

Applicant: NETGEAR, INC.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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Approved by:

Jeremy Lin

Date:

2026/8/5

Jeremy Lin / Project Engineer

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Prepared by : Polly Chien / Specilist



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Release Control Record

Issue No.	Description	Date Issued
RJBBQZ-WTW-P25100605-1	Original release.	2026/8/5

1 Certificate

Product: BE5000 Dual-Band PoE 2.5G Insight Managed WiFi 7 Outdoor Access Point
Brand: NETGEAR
Test Model: WBE700Y
Series Model: WBE708Y (refer to item 3.1 for more details)
Sample Status: Engineering sample
Applicant: NETGEAR, INC.
Test Date: 2026/6/22 ~ 2026/7/20
Standard: Certification Ordinance Article 2-1-19-3
Measurement procedure: MIC notice 88 Appendix 45

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Summary of Test Results

Certification Ordinance Article 2-1-19-3		
Clause	Test Item	Result
OR: Article 5. OR: Annex 1, Table 8	Frequency Tolerance	Pass
OR: Article 6. Annex 2.30	Occupied Bandwidth	Pass
OR: Article 7. Annex 3.29	Spurious Emissions	Pass
OR: Article 49-20.	Antenna Specifications	Pass
OR: Article 14. table 6 OR: Article 14. table 7	Antenna Power Tolerance	Pass
OR: Article 24.2	Spurious Emissions of Receiver	Pass
OR: Article 49-20.	Housing Requirements	Pass (Refer to Note 1)
OR: Article 49-20.	Communication Method	Pass (Refer to Note 1)
OR: Article 49-20.	Modulation Method	Pass (Refer to Note 1)
OR: Article 49-20.	Signal Transmission Rate	Pass (Refer to Note 1)
OR: Article 49-20.	Burst Length	Pass
OR: Article 49-20.	Antenna Power	Pass
OR: Article 49-20.	Isotropically Radiated Power	Pass
OR: Article 49-20.	Number of Carriers within 1 MHz Bandwidth in OFDM	Pass
OR: Article 49-20.	Adjacent Channel Emitted Power	Pass
OR: Article 9-4. 5 RE: Article 6-2. 3	Interference Prevention Function	Pass
OR: Article 49-20. Note: No.295 of 2022	Carrier Sense Capability	Pass
OR: Article 49-20. Note: No.295 of 2022 OC: Annex 2. 3-12	Dynamic Frequency Selection	N/A (Refer to Note 5)

Notes:

1. The relative information refer section 3.1 of this report.
2. OR: Ordinance Regulating Radio Equipment
3. RE: Regulations for Enforcement of the radio law
4. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
5. The "Dynamic Frequency Selection measurement" was recorded in DFS test report.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in ETSI TR 100 028-1 and ETSI TR 100 028-2:

Parameter	Uncertainty (±)
Occupied Bandwidth	72 Hz
Spurious Emissions	2.208 dB
Output power density	2.889 dB
Adjacent Channel Leakage Power	3.93 dB
Out of band radiated power	3.93 dB
Frequency Tolerance	614.95 Hz
Burst Length	0.01 ms

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	BE5000 Dual-Band PoE 2.5G Insight Managed WiFi 7 Outdoor Access Point
Brand	NETGEAR
Test Model	WBE700Y
Series Model	WBE708Y
Model Difference	Refer to Note
Test Software Version	QSPR Version 5.0-00202
Status of EUT	Engineering sample
Power Supply Rating	40.8 Vdc ~ 55.2 Vdc from PoE
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 2882.4 Mbps
Operating Frequency	5.5 GHz ~ 5.72 GHz (W56)
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20):12 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40):6 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80):3 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160):1
Partial RU Mode	Not support
Channel Puncturing	Not support
EUT Category	Master Station with TPC function
Housing Requirements	Metal housing and the metal shielding case won't be easy to be opened.

Note:

1. All models are listed as below. Model WBE700Y is the representative for final test.

Model	HW	FW	Differences
WBE700Y	Identical	Identical	SKU, Packing and labelling information Target retail markets
WBE708Y	Identical	Identical	SKU, Packing and labelling information Target service provider markets

2. There are WLAN (2.4 GHz & 5 GHz) technology used for the EUT.

3. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Output Power Description of EUT

External Antenna

Operation Mode	Rated Output Power Density (mW/MHz)	Maximum Conducted RF Output Power Density (mW/MHz)	Maximum Radiated RF Output Power Density (mW/MHz)
802.11a W56	9.9	9.845	27.939
802.11ac (VHT20) W56	9.9	9.271	26.31
802.11ac (VHT40) W56	4.9	4.882	13.855
802.11ac (VHT80) W56	2.4	2.357	6.689
802.11ac (VHT160) W56	1.2	1.142	3.241
802.11ax (HE20) W56	9.9	9.271	26.31
802.11ax (HE40) W56	4.9	4.862	13.798
802.11ax (HE80) W56	2.4	2.357	6.689
802.11ax (HE160) W56	1.2	1.144	3.247
802.11be (EHT20) W56	9.9	9.356	26.552
802.11be (EHT40) W56	4.9	4.904	13.917
802.11be (EHT80) W56	2.4	2.381	6.757
802.11be (EHT160) W56	1.2	1.152	3.269

Internal Antenna

Operation Mode	Rated Output Power Density (mW/MHz)	Maximum Conducted RF Output Power Density (mW/MHz)	Maximum Radiated RF Output Power Density (mW/MHz)
802.11a W56	3.2	3.182	48.495
802.11ac (VHT20) W56	3.2	3.189	48.602
802.11ac (VHT40) W56	1.7	1.617	24.644
802.11ac (VHT80) W56	0.8	0.784	11.949
802.11ac (VHT160) W56	0.41	0.404	6.157
802.11ax (HE20) W56	3.2	3.178	48.434
802.11ax (HE40) W56	1.7	1.611	24.552
802.11ax (HE80) W56	0.8	0.781	11.903
802.11ax (HE160) W56	0.41	0.402	6.127
802.11be (EHT20) W56	3.2	3.215	48.998
802.11be (EHT40) W56	1.7	1.625	24.766
802.11be (EHT80) W56	0.8	0.789	12.025
802.11be (EHT160) W56	0.41	0.406	6.188

3.3 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna No.	RF Chain No.	Antenna Type	Connector Type	Frequency (MHz)	Antenna Peak Gain (dBi)
Internal Ant 3_5G	0	Patch Array	ipex(MHF)	5.47~5.725GHz	10.87
Internal Ant 4_5G	1	Patch Array	ipex(MHF)	5.47~5.725GHz	11.83
External Ant 3_5G	0	Dipole	RP-SMA	5.47~5.725GHz	4.53
External Ant 4_5G	1	Dipole	RP-SMA	5.47~5.725GHz	4.18

* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ac (VHT160)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX
802.11be (EHT20)	2TX	2RX
802.11be (EHT40)	2TX	2RX
802.11be (EHT80)	2TX	2RX
802.11be (EHT160)	2TX	2RX

Note: The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz, 160 MHz), 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) and 802.11be mode for 20 MHz (40 MHz, 80 MHz, 160 MHz). Therefore the investigated worst case is the representative mode in test report.

3. Antenna Pattern:

Please refer to the attached file (Antenna pattern).

3.4 Channel List

FOR 5500 ~ 5720 MHz

12 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20):

Channel	Frequency	Channel	Frequency
100	5500 MHz	124	5620 MHz
104	5520 MHz	128	5640 MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz	144	5720 MHz

6 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40):

Channel	Frequency	Channel	Frequency
102	5510 MHz	126	5630 MHz
110	5550 MHz	134	5670 MHz
118	5590 MHz	142	5710 MHz

3 channels are provided for 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80):

Channel	Frequency	Channel	Frequency
106	5530 MHz	138	5690 MHz
122	5610 MHz		

1 channel is provided for 802.11ac (VHT160), 802.11ax (HE160), 802.11be (EHT160):

Channel	Frequency
114	5570 MHz

3.5 Power Setting

External Antenna

Power Setting								
Channel	802.11a	802.11ac (VHT20)	Channel	802.11ac (VHT40)	Channel	802.11ac (VHT80)	Channel	802.11ac (VHT160)
100	17	17.5	102	17.5	106	17.5	114	17.5
120	17.5	18.5	118	18	122	17.5		
144	17	17.5	142	17.5	138	18.5		

Power Setting							
Channel	802.11ax (HE20)	Channel	802.11ax (HE40)	Channel	802.11ax (HE80)	Channel	802.11ax (HE160)
100	17.5	102	17.5	106	17.5	114	17.5
120	18.5	118	18	122	17.5		
144	17.5	142	17.5	138	18.5		

Power Setting							
Channel	802.11be (EHT20)	Channel	802.11be (EHT40)	Channel	802.11be (EHT80)	Channel	802.11be (EHT160)
100	17.5	102	17.5	106	17.5	114	17.5
120	18.5	118	18	122	17.5		
144	17.5	142	17.5	138	18.5		

Internal Antenna

Power Setting								
Channel	802.11a	802.11ac (VHT20)	Channel	802.11ac (VHT40)	Channel	802.11ac (VHT80)	Channel	802.11ac (VHT160)
100	15	13	102	14	106	14	114	13.5
120	14	14	118	14.5	122	15		
144	14.5	14.5	142	15	138	16		

Power Setting							
Channel	802.11ax (HE20)	Channel	802.11ax (HE40)	Channel	802.11ax (HE80)	Channel	802.11ax (HE160)
100	13	102	14	106	14	114	13.5
120	14	118	14.5	122	15		
144	14.5	142	15	138	16		

Power Setting							
Channel	802.11be (EHT20)	Channel	802.11be (EHT40)	Channel	802.11be (EHT80)	Channel	802.11be (EHT160)
100	13	102	14	106	14	114	13.5
120	14	118	14.5	122	15		
144	14.5	142	15	138	16		

3.6 Test Mode Applicability and Tested Channel Detail

Test Conditions	Voltage (Vdc)
V _{normal}	48

Note: After checking the fluctuation of input voltage to the circuit of the radio part (excluding the power supply) of the equipment to be tested, the fluctuation less than +/- 1 % when input voltage from an external supply into the equipment fluctuates +/- 10%, therefore, the test is carried out only at the normal voltage.

Following channel(s) was (were) selected for the final test as listed below:

Test Item	EUT Configure Mode	Test Conditions	Mode	Tested Channel	Modulation	Data Rate Parameter
Frequency Tolerance	A, B	Chain 0	20MHz System	100, 120, 144	unmodulated	-
			40MHz System	102, 118, 142	unmodulated	-
			80MHz System	106, 122, 138	unmodulated	-
			160MHz System	114	unmodulated	-
Occupied Bandwidth	A, B	Chain 0 Chain 1	802.11a	100, 120, 144	BPSK	6Mb/s
			802.11be (EHT20)	100, 120, 144	BPSK	MCS0
			802.11be (EHT40)	102, 118, 142	BPSK	MCS0
			802.11be (EHT80)	106, 122, 138	BPSK	MCS0
			802.11be (EHT160)	114	BPSK	MCS0
Spurious Emissions	A, B	Chain 0 Chain 1 W	802.11a	100, 120, 144	BPSK	6Mb/s
			802.11be (EHT20)	100, 120, 144	BPSK	MCS0
			802.11be (EHT40)	102, 118, 142	BPSK	MCS0
			802.11be (EHT80)	106, 122, 138	BPSK	MCS0
			802.11be (EHT160)	114	BPSK	MCS0
Spurious Emissions of Receiver	A, B	Chain 0 Chain 1 S	20MHz System	100, 120, 144	-	-
			40MHz System	102, 118, 142	-	-
			80MHz System	106, 122, 138	-	-
			160MHz System	114	-	-
Antenna Power	A, B	Chain 0 Chain 1 S	802.11a	100, 120, 144	BPSK	6Mb/s
			802.11ac (VHT20)	100, 120, 144	BPSK	MCS0
			802.11ac (VHT40)	102, 118, 142	BPSK	MCS0
			802.11ac (VHT80)	106, 122, 138	BPSK	MCS0
			802.11ac (VHT160)	114	BPSK	MCS0
			802.11ax (HE20)	100, 120, 144	BPSK	MCS0
			802.11ax (HE40)	102, 118, 142	BPSK	MCS0
			802.11ax (HE80)	106, 122, 138	BPSK	MCS0
			802.11ax (HE160)	114	BPSK	MCS0
			802.11be (EHT20)	100, 120, 144	BPSK	MCS0
			802.11be (EHT40)	102, 118, 142	BPSK	MCS0
			802.11be (EHT80)	106, 122, 138	BPSK	MCS0
Adjacent Channel Emitted Power	A, B	Chain 0 Chain 1 C S	802.11a	100, 120, 144	BPSK	6Mb/s
			802.11be (EHT20)	100, 120, 144	BPSK	MCS0
			802.11be (EHT40)	102, 118, 142	BPSK	MCS0
			802.11be (EHT80)	106, 122, 138	BPSK	MCS0

Test Item	EUT Configure Mode	Test Conditions	Mode	Tested Channel	Modulation	Data Rate Parameter
Burst Length	A, B	Chain 0 Chain 1 C	802.11a	100, 120, 144	BPSK	6Mb/s
			802.11be (EHT20)	100, 120, 144	BPSK	MCS0
			802.11be (EHT40)	102, 118, 142	BPSK	MCS0
			802.11be (EHT80)	106, 122, 138	BPSK	MCS0
			802.11be (EHT160)	114	BPSK	MCS0
Number of Carriers within 1 MHz Bandwidth in OFDM	A, B	Chain 0	802.11a	100, 120, 144	BPSK	6Mb/s
Interference Prevention Function	A, B	-	Normal Operation			
Carrier Sense Capability	A, B	-	20MHz System	100, 120, 144	-	-
			40MHz System	102, 118, 142	-	-
			80MHz System	106, 122, 138	-	-
			160MHz System	114	-	-
EUT Configure Mode:	A	External Antenna				
	B	Internal Antenna				
Note: S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]						

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 Frequency Tolerance

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until	Calibration Authority	Calibration Method
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20	BV CPS E&E	(d)
Signal & Spectrum Analyzer R&S	FSV3044	101505	2026/6/15	2027/6/14	ETC	(c)
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A	N/A	N/A

Notes:

- Calibration method:
 - Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System.
 - Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted by using other equipment that listed above from a) to c).
- The test was performed in HY - Oven room(Hwaya).
- Tested Date: 2026/7/20

4.2 Occupied Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until	Calibration Authority	Calibration Method
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20	BV CPS E&E	(d)
Signal & Spectrum Analyzer R&S	FSV3044	101505	2026/6/15	2027/6/14	ETC	(c)
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A	N/A	N/A

Notes:

- Calibration method:
 - Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System.
 - Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted by using other equipment that listed above from a) to c).
- The test was performed in HY - Oven room(Hwaya).
- Tested Date: 2026/6/24 ~ 2026/7/20

4.3 Spurious Emissions

Refer to section 4.2 to get the tested date and information of the instruments.

4.4 Spurious Emissions of Receiver

Refer to section 4.2 to get the tested date and information of the instruments.

4.5 Antenna Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until	Calibration Authority	Calibration Method
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2026/5/21	2027/5/20	BV CPS E&E	(d)
MXA Signal Analyzer Keysight	N9020B	MY60110462	2026/5/5	2027/5/4	ETC	(c)
MXG Vector Signal Generator KEYSIGHT	N5182B	MY53050430	2025/12/5	2026/12/4	ETC	(c)
Peak Power Analyzer Keysight	8990B	MY51000485	2026/1/23	2027/1/22	ETC	(c)
Signal & Spectrum Analyzer R&S	FSV3044	101505	2026/6/15	2027/6/14	ETC	(c)
	FSW26	102023	2025/11/14	2026/11/13	ETC	(c)
	FSW43	101582	2026/5/2	2027/5/1	ETC	(c)
Signal Analyzer R&S	FSV40	100980	2026/5/14	2027/5/13	ETC	(c)
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A	N/A	N/A
Spectrum Analyzer R&S	FSU26	101645	2025/7/28	2026/7/27	ETC	(c)
	FSU43	101261	2026/5/4	2027/5/3	ETC	(c)
USB Power Sensor Anritsu	MA24408A	12994	2025/12/5	2026/12/4	ETC	(c)
Wideband Power Sensor Keysight	N1923A	MY58020002	2026/1/26	2027/1/25	ETC	(c)
		MY58140009	2026/1/26	2027/1/25	ETC	(c)

Notes:

- Calibration method:
 - Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System.
 - Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted by using other equipment that listed above from a) to c).
- The test was performed in HY - Oven room(Hwaya).
- Tested Date: 2026/6/22

4.6 Adjacent Channel Emitted Power

Refer to section 4.2 to get the tested date and information of the instruments.

4.7 Burst Length

Refer to section 4.2 to get the tested date and information of the instruments.

4.8 Number of Carriers within 1 MHz Bandwidth in OFDM

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until	Calibration Authority	Calibration Method
3-channel DC power supply OWON	ODP3033	ODP30332128138	Note 2	Note 2	BV CPS E&E	(d)
Digital Multimeter Fluke	8050A	4660081	2026/6/5	2027/6/4	ETC	(c)
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10- 01	2026/5/21	2027/5/20	BV CPS E&E	(d)
Signal & Spectrum Analyzer R&S	FSV3044	101505	2026/6/15	2027/6/14	ETC	(c)
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A	N/A	N/A

Notes:

- Calibration method:
 - Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System.
 - Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted by using other equipment that listed above from a) to c).
- The power supply no evaluation calibrated, which used the FLUKE meter to verify before each testing.
- The test was performed in HY - Oven room(Hwaya).
- Tested Date: 2026/7/20

4.9 Interference Prevention Function

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until	Calibration Authority	Calibration Method
3-channel DC power supply OWON	ODP3033	ODP30332128138	Note 2	Note 2	BV CPS E&E	(d)
Digital Multimeter Fluke	8050A	4660081	2026/6/5	2027/6/4	ETC	(c)
WLAN Test Set Anritsu	MT8860C	1702001	2026/5/18	2027/5/17	ETC	(c)

Notes:

- Calibration method:
 - Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System.
 - Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted by using other equipment that listed above from a) to c).
- The power supply no evaluation calibrated, which used the FLUKE meter to verify before each testing.
- The test was performed in HY - Oven room(Hwaya).
- Tested Date: 2026/7/20

4.10 Carrier Sense Capability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until	Calibration Authority	Calibration Method
3-channel DC power supply OWON	ODP3033	ODP30332128138	Note 2	Note 2	BV CPS E&E	(d)
Digital Multimeter Fluke	8050A	4660081	2026/6/5	2027/6/4	ETC	(c)
EXA Signal Analyzer Agilent	N9010A	MY52220314	2025/12/22	2026/12/21	ETC	(c)
MXG Vector signal generator Keysight	N5182B	MY53052282	2026/1/2	2027/1/1	ETC	(c)

Notes:

- Calibration method:
 - Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System.
 - Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
 - Calibration conducted by using other equipment that listed above from a) to c).
- The power supply no evaluation calibrated, which used the FLUKE meter to verify before each testing.
- The test was performed in HY - Oven room(Hwaya).
- Tested Date: 2026/7/20

5 Limits of Test Items

5.1 Frequency Tolerance

Tolerance of frequency shall be +/- 20ppm.

5.2 Occupied Bandwidth

Item	Modulation	Limit	Bandwidth System
Occupied bandwidth	DSSS	18 MHz	20 MHz system
	OFDM	20 MHz	20 MHz system
		40 MHz	40 MHz system
		80 MHz	80 MHz system
		80 MHz	80+80 MHz system (not adjacent band)
		160 MHz	160 MHz system

5.3 Spurious Emissions

W56 band: 20 MHz System

Frequencies	Limit
DSSS, etc.	
30.0 to 1000.0 MHz	$\leq 1.25 \mu\text{W}/100 \text{ kHz}$
1000.0 to 5460.0 MHz	$\leq 12.5 \mu\text{W}/\text{MHz}$
5460.0 to 5470.0 MHz	$\leq 12.5 \mu\text{W}/\text{MHz}$
5730.0 to 5740.0 MHz	$\leq 12.5 \mu\text{W}/\text{MHz}$
5740.0 to 26000.0 MHz	$\leq 12.5 \mu\text{W}/\text{MHz}$

Note: The limit value is defined by the E.I.R.P.

Frequencies	Limit
OFDM	
30.0 to 1000.0 MHz	$\leq 0.25 \mu\text{W}/100 \text{ kHz}$
1000.0 to 5455.0 MHz	$\leq 2.5 \mu\text{W}/\text{MHz}$
5455.0 to 5460.0 MHz	$\leq 2.5 \mu\text{W}/\text{MHz}$
5460.0 to 5470.0 MHz	$\leq 12.5 \mu\text{W}/\text{MHz}$
5745.0 to 5765.0 MHz	$\leq 12.5 \mu\text{W}/\text{MHz}$
5765.0 to 5770.0 MHz	$\leq 2.5 \mu\text{W}/\text{MHz}$
5770.0 to 26000.0 MHz	$\leq 2.5 \mu\text{W}/\text{MHz}$

Note: The limit value is defined by the E.I.R.P.

W56 band: 40 MHz System

Frequencies	Limit
30.0 to 1000.0 MHz	$\leq 1.25 \mu\text{W}/100 \text{ kHz}$
1000.0 to 5420.0 MHz	$\leq 12.5 \mu\text{W}/\text{MHz}$
5420.0 to 5460.0 MHz	$\leq 12.5 \mu\text{W}/\text{MHz}$
5460.0 to 5470.0 MHz	$\leq 50 \mu\text{W}/\text{MHz}$
5770.0 to 5800.0 MHz	$\leq 12.5 \mu\text{W}/\text{MHz}$
5800.0 to 26000.0 MHz	$\leq 12.5 \mu\text{W}/\text{MHz}$

Note: The limit value is defined by the E.I.R.P.

W56 band: 80 MHz System

Frequencies	Limit
30.0 to 1000.0 MHz	$\leq 1.25 \mu\text{W}/100 \text{ kHz}$
1000.0 to 5340.0 MHz	$\leq 12.5 \mu\text{W}/\text{MHz}$
5340.0 to 5460.0 MHz	$\leq 12.5 \mu\text{W}/\text{MHz}$
5460.0 to 5469.5 MHz	$\leq 50 \mu\text{W}/\text{MHz}$
5469.5 to 5470.0 MHz	$\leq 51.2 \mu\text{W}/\text{MHz}$
5770.0 to 5800.0 MHz	$\leq 12.5 \mu\text{W}/\text{MHz}$
5800.0 to 26000.0 MHz	$\leq 12.5 \mu\text{W}/\text{MHz}$

Note: The limit value is defined by the E.I.R.P.

W56 band: 160 MHz System

Frequencies	Limit
30.0 to 1000.0 MHz	$1.25 \mu\text{W}/100 \text{ kHz}$
1000.0 to 5236.0 MHz	$12.5 \mu\text{W}/\text{MHz}$
5236.0 to 5419.6 MHz	$12.5 \mu\text{W}/\text{MHz}$
5419.6 to 5470.0 MHz	$50 \mu\text{W}/\text{MHz}$
5725.0 to 5904.0 MHz	$12.5 \mu\text{W}/\text{MHz}$
5904.0 to 26000.0 MHz	$12.5 \mu\text{W}/\text{MHz}$

Note: The limit value is defined by the E.I.R.P.

5.4 Spurious Emissions of Receiver

Frequencies	Limit
Below 1 GHz	$\leq 4 \text{ nW}$
Above 1 GHz	$\leq 20 \text{ nW}$

5.5 Antenna Power

W56 band					
Band	20MHz system	40MHz system	80MHz system	80 MHz + 80 MHz System (Not adjacent radio)	160MHz system
Output power	10 mW/MHz	5 mW/MHz	2.5 mW/MHz	1.25 mW/MHz	1.25 mW/MHz
EIRP (with TPC)	50 mW/MHz	25 mW/MHz	12.5 mW/MHz	1.25 mW/MHz	6.25 mW/MHz
EIRP (without TPC)	25 mW/MHz	12.5 mW/MHz	6.25 mW/MHz	0.625 mW/MHz	3.125 mW/MHz
Tolerance of Antenna Power	+50% (upper value) and -50% (lower value)				

5.6 Adjacent Channel Emitted Power

20 MHz System:

Frequencies (MHz)	Limit
Mean Power 20 MHz Distance of Carrier	≥ 25 dBc
Mean Power 40 MHz Distance of Carrier	≥ 40 dBc

Note: It shall consider modulation method, the measurement BW is different on adjacent channel emitted power.
DSSS, etc: $OBW \leq 18$ MHz, measurement BW is ± 9 MHz. OFDM: $18 \text{ MHz} < OBW \leq 20$ MHz, measurement BW is ± 10 MHz.

40 MHz System:

Frequencies (MHz)	Limit
Mean Power 40 MHz Distance of Carrier	≥ 25 dBc
Mean Power 80 MHz Distance of Carrier	≥ 40 dBc

80 MHz System:

Frequencies (MHz)	Limit
Mean Power 80 MHz Distance of Carrier	≥ 25 dBc

5.7 Burst Length

Frequencies (MHz)	Limit
Transmitter Operating	≤ 8 ms

5.8 Number of Carriers within 1 MHz Bandwidth in OFDM

For each 1 MHz bandwidth in OFDM, there should be at least 1 carrier.

5.9 Interference Prevention Function

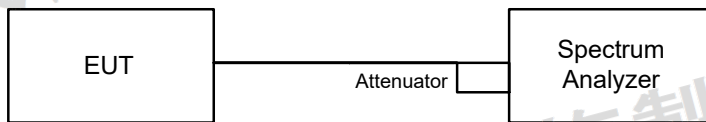
Radio equipment used mainly on the same premises and automatically transmits or receives identification code.

5.10 Carrier Sense Capability

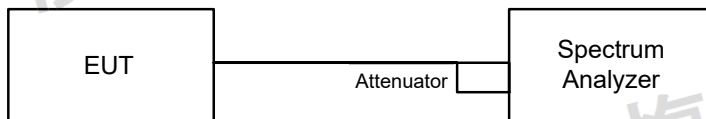
Radio equipment used carrier sensing mechanism that based detect and avoid capabilities.

6 Test Arrangements

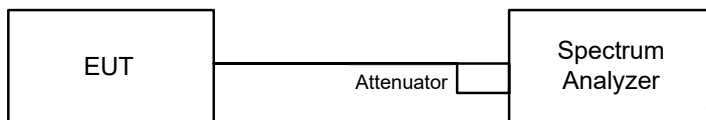
6.1 Frequency Tolerance



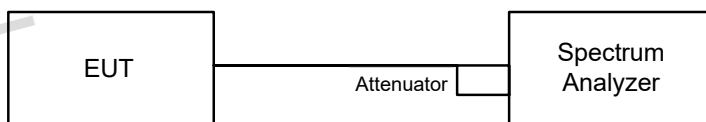
6.2 Occupied Bandwidth



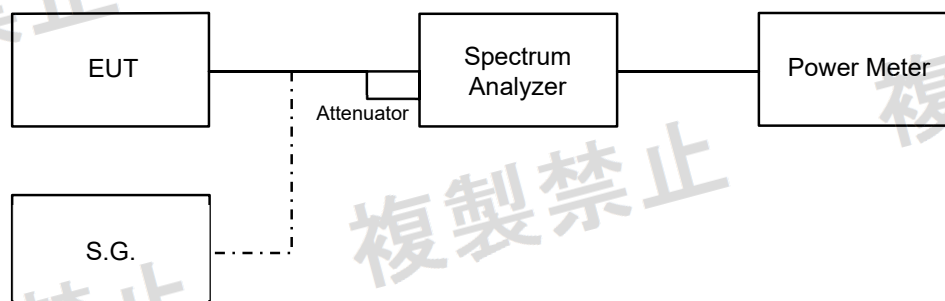
6.3 Spurious Emissions



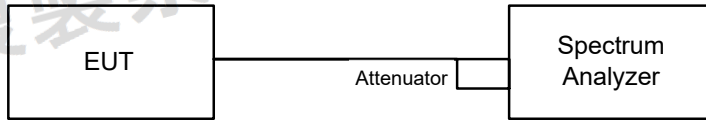
6.4 Spurious Emissions of Receiver



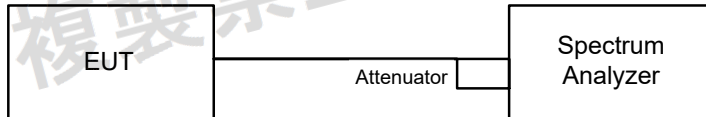
6.5 Antenna Power



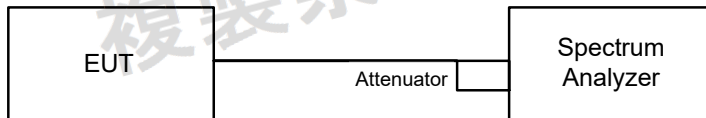
6.6 Adjacent Channel Emitted Power



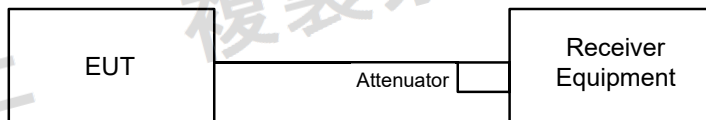
6.7 Burst Length



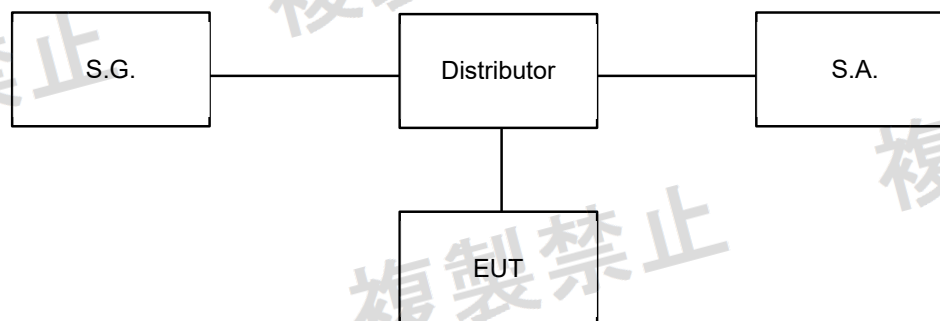
6.8 Number of Carriers within 1 MHz Bandwidth in OFDM



6.9 Interference Prevention Function



6.10 Carrier Sense Capability



7 Test Results of Test Item

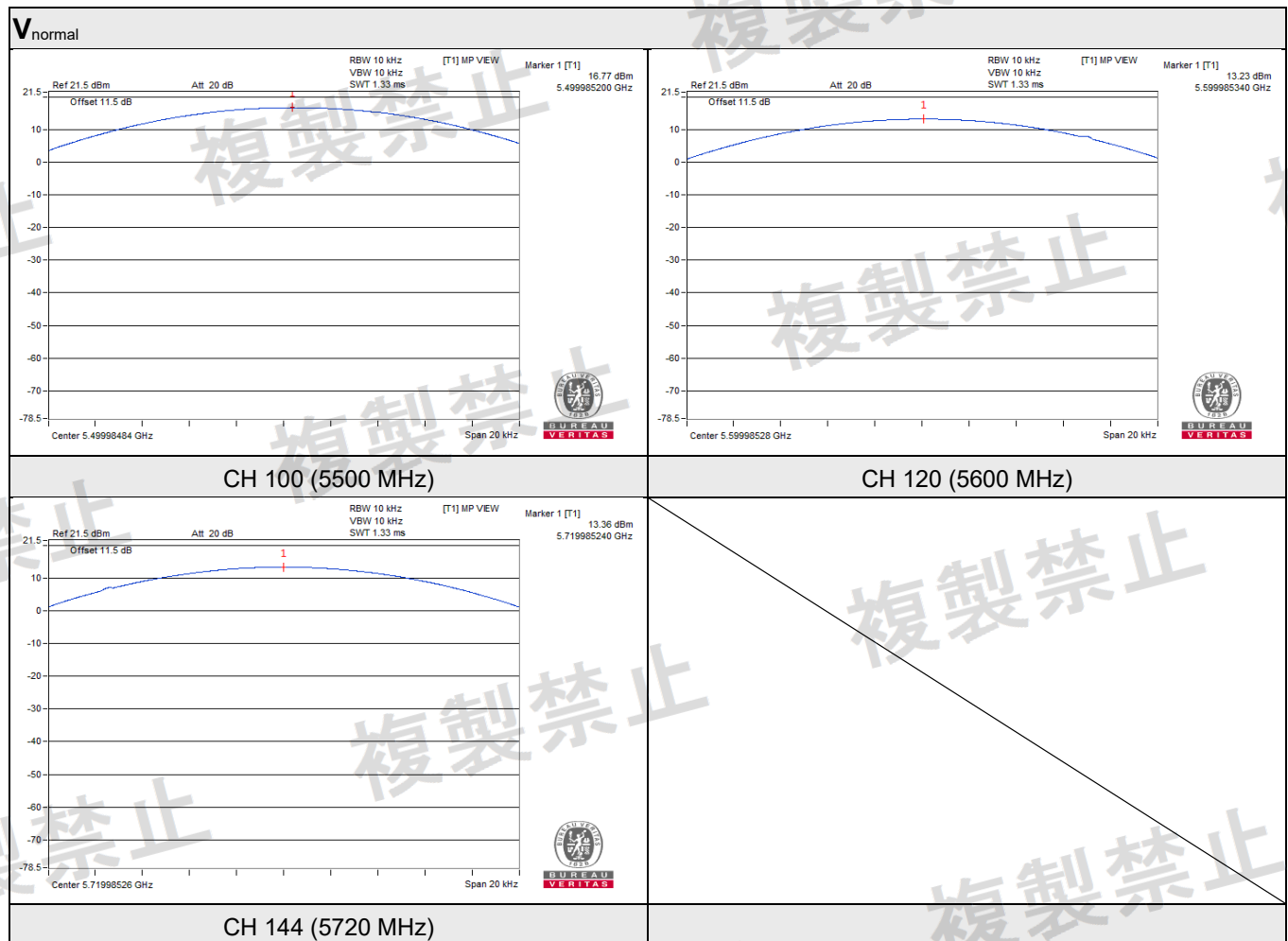
7.1 Frequency Tolerance

Environmental Conditions:	25°C, 65% RH	Tested By:	Wayne Lin
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External Antenna (Mode A)

20 MHz System Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier frequency (MHz)	Frequency tolerance (ppm)
100	5500	5499.985200	-2.691
120	5600	5599.985340	-2.618
144	5720	5719.985240	-2.580



40 MHz System Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier frequency (MHz)	Frequency tolerance (ppm)
102	5510	5509.987000	-2.359
118	5590	5589.986900	-2.343
142	5710	5709.986740	-2.322



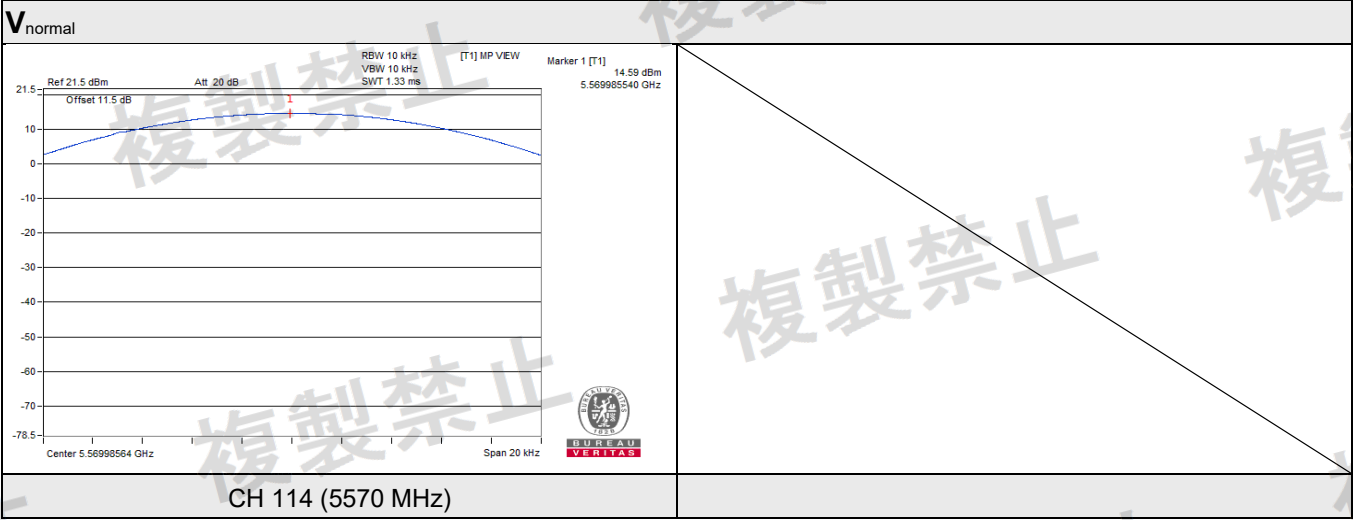
80 MHz System Chain 0

Channel	Frequency (MHz)	V _{normal}	
		Carrier frequency (MHz)	Frequency tolerance (ppm)
106	5530	5529.987080	-2.336
122	5610	5609.986800	-2.353
138	5690	5689.986220	-2.422



160 MHz System Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier frequency (MHz)	Frequency tolerance (ppm)
114	5570	5569.985540	-2.596



Internal Antenna (Mode B)

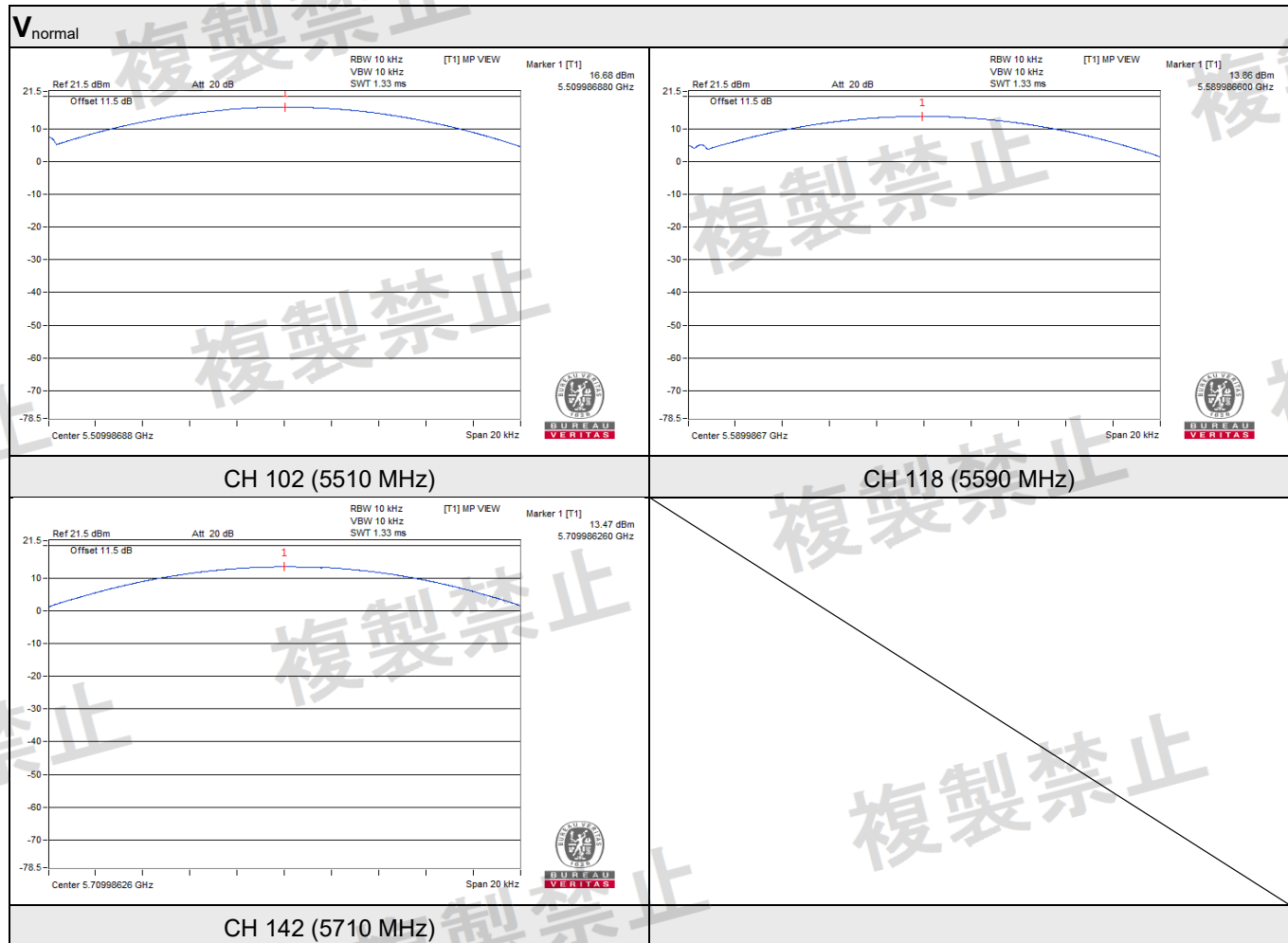
20 MHz System Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier frequency (MHz)	Frequency tolerance (ppm)
100	5500	5499.986280	-2.495
120	5600	5599.986100	-2.482
144	5720	5719.985880	-2.469



40 MHz System Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier frequency (MHz)	Frequency tolerance (ppm)
102	5510	5509.986880	-2.381
118	5590	5589.986600	-2.397
142	5710	5709.986260	-2.406



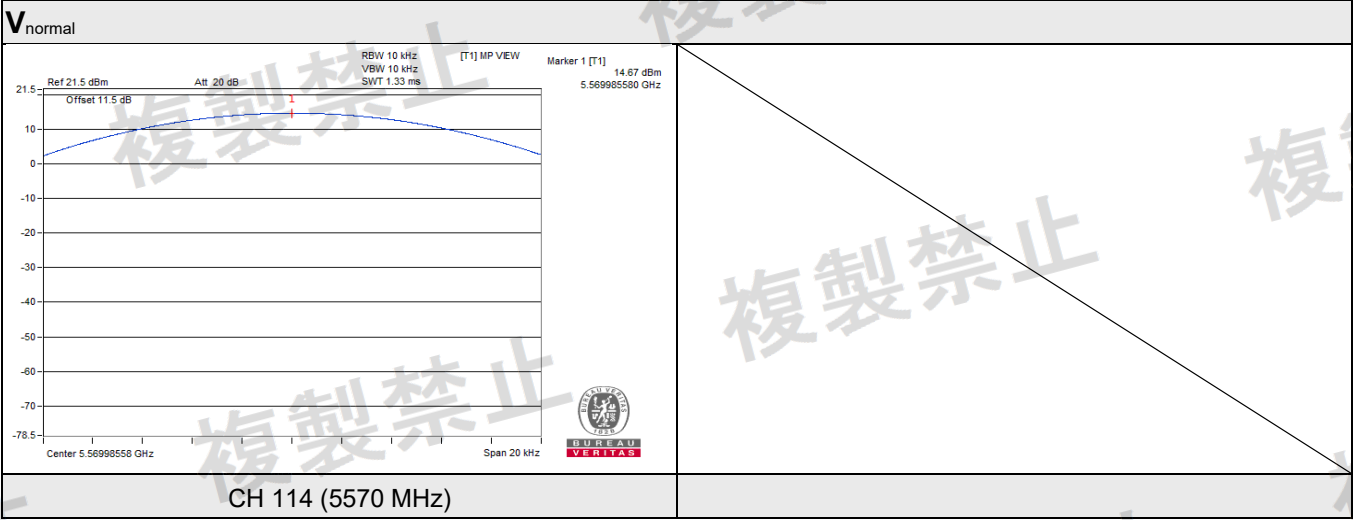
80 MHz System Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier frequency (MHz)	Frequency tolerance (ppm)
106	5530	5529.986739	-2.398
122	5610	5609.985660	-2.556
138	5690	5689.985300	-2.583



160 MHz System Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier frequency (MHz)	Frequency tolerance (ppm)
114	5570	5569.985580	-2.589



7.2 Occupied Bandwidth

Environmental Conditions:	25°C, 65% RH	Tested By:	Wayne Lin
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External Antenna (Mode A)

802.11a Chain 0

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
100	5500	16.65
120	5600	16.60
144	5720	16.55

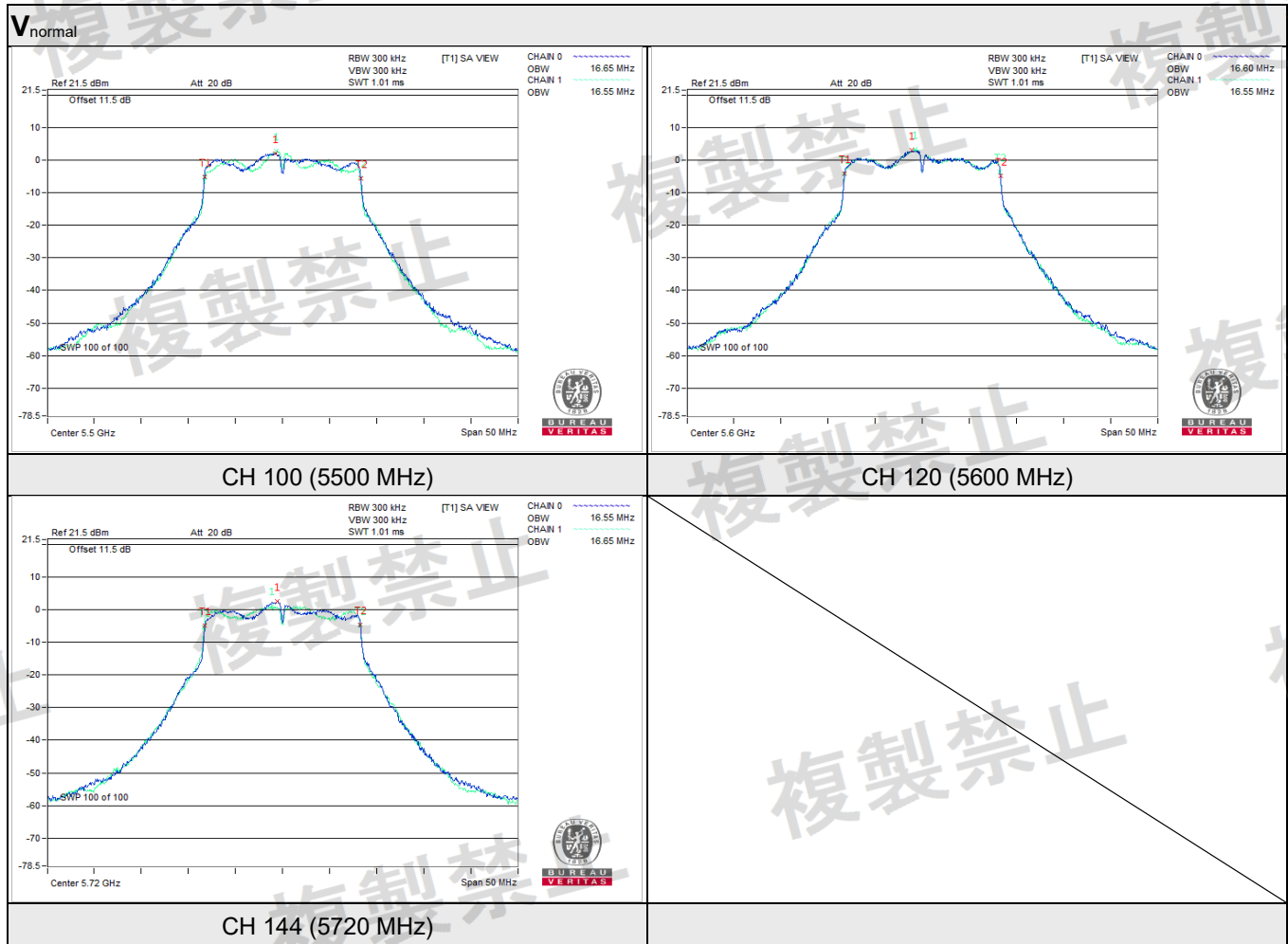
NOTE: For the test plots please refer to the below pages.

802.11a Chain 1

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
100	5500	16.55
120	5600	16.55
144	5720	16.65

NOTE: For the test plots please refer to the below pages.

802.11a Graph



802.11be (EHT20) Chain 0

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
100	5500	19.10
120	5600	19.05
144	5720	19.00

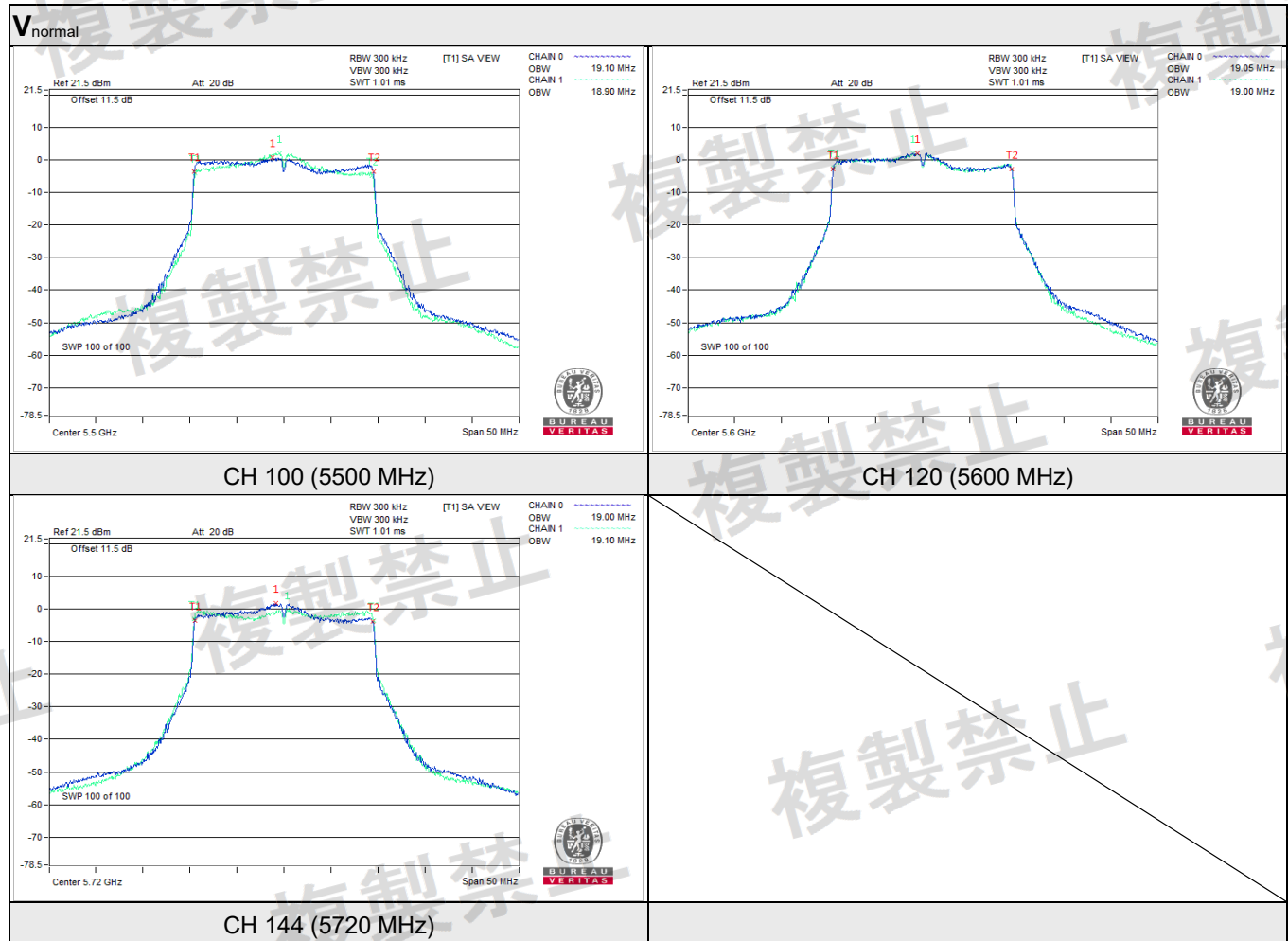
NOTE: For the test plots please refer to the below pages.

802.11be (EHT20) Chain 1

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
100	5500	18.90
120	5600	19.00
144	5720	19.10

NOTE: For the test plots please refer to the below pages.

802.11be (EHT20) Graph



802.11be (EHT40) Chain 0

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
102	5510	38.00
118	5590	38.20
142	5710	38.30

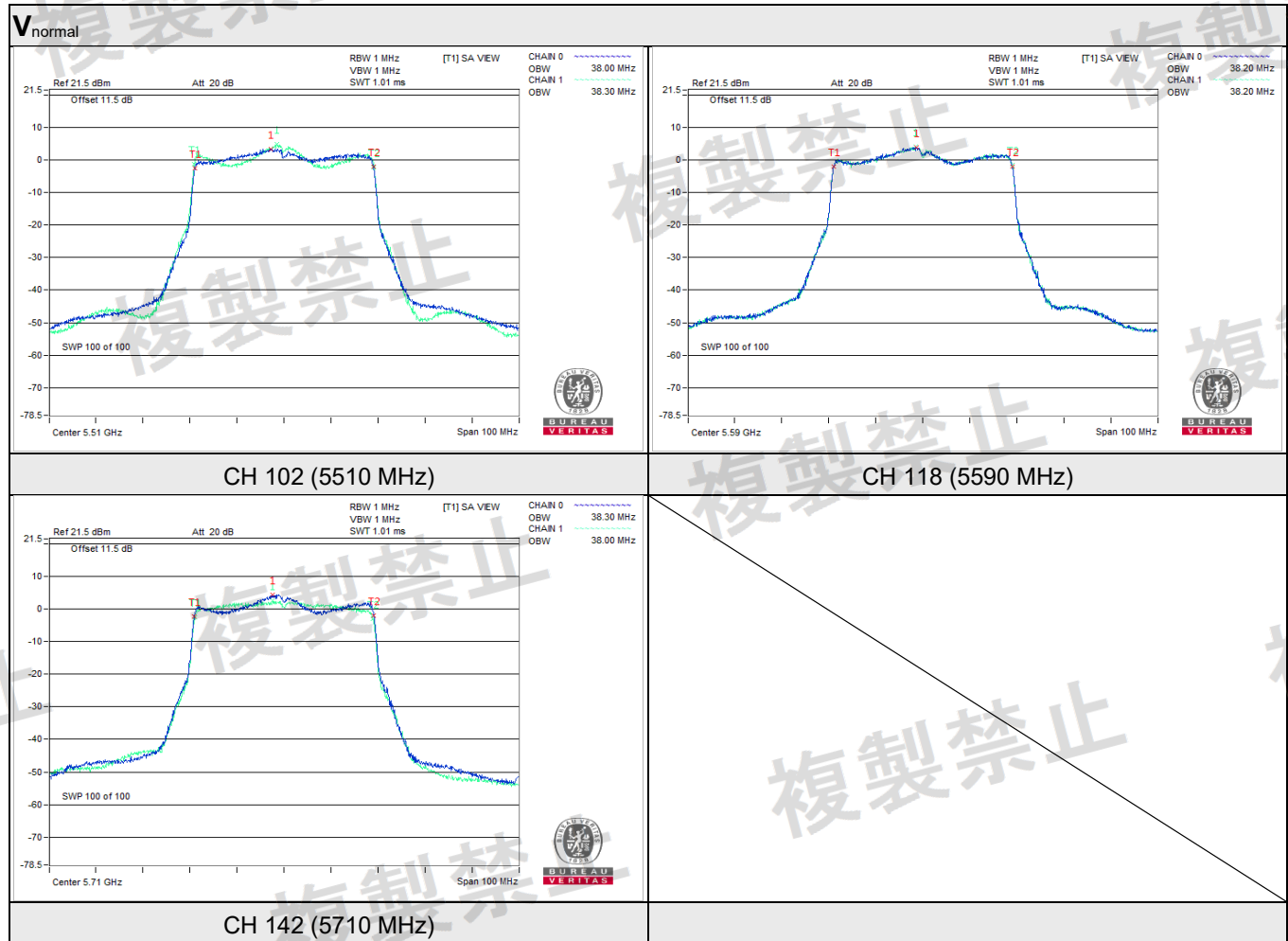
NOTE: For the test plots please refer to the below pages.

802.11be (EHT40) Chain 1

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
102	5510	38.30
118	5590	38.20
142	5710	38.00

NOTE: For the test plots please refer to the below pages.

802.11be (EHT40) Graph



802.11be (EHT80) Chain 0

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
106	5530	77.40
122	5610	77.60
138	5690	77.60

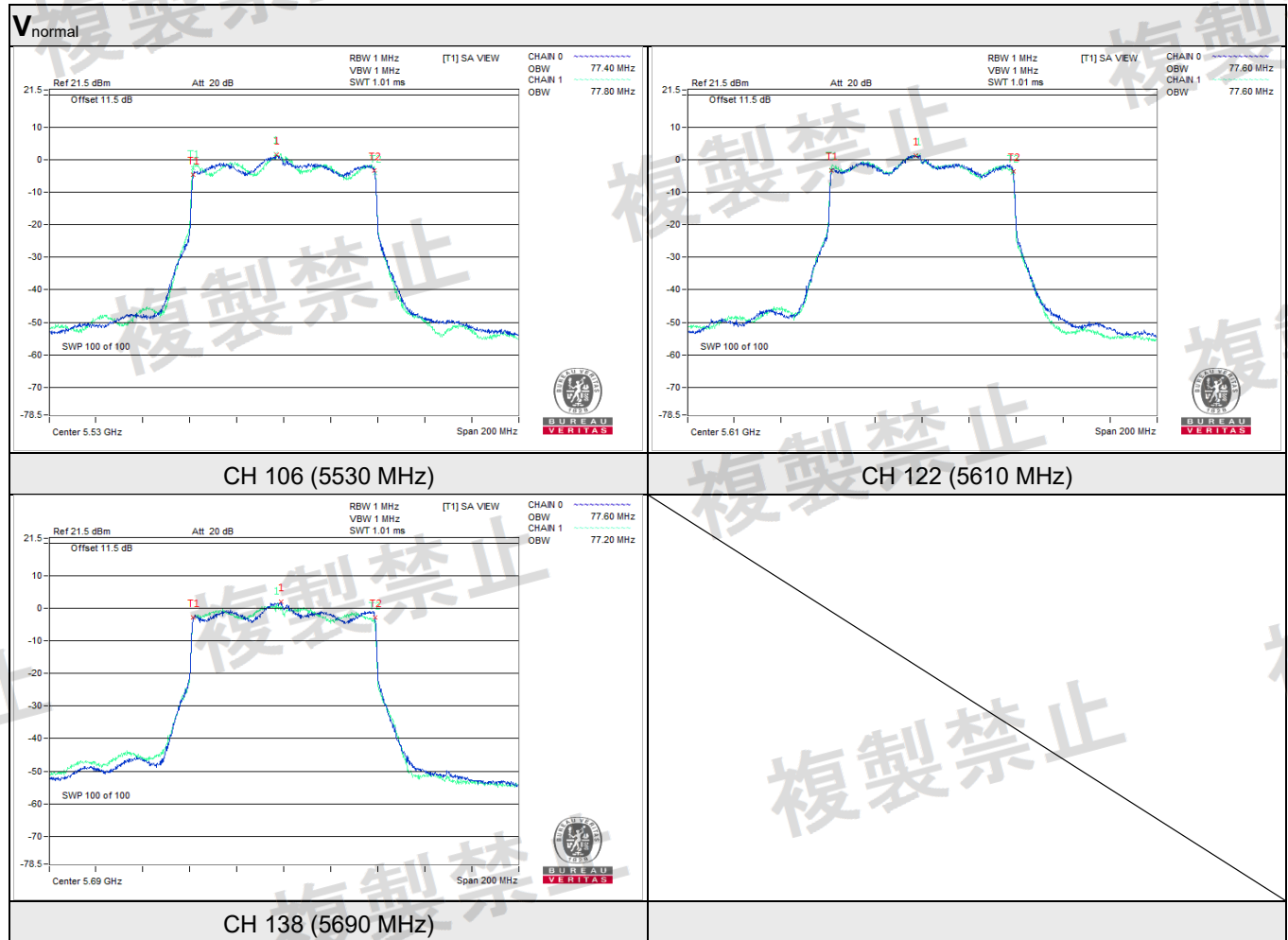
NOTE: For the test plots please refer to the below pages.

802.11be (EHT80) Chain 1

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
106	5530	77.80
122	5610	77.60
138	5690	77.20

NOTE: For the test plots please refer to the below pages.

802.11be (EHT80) Graph



802.11be (EHT160) Chain 0

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
114	5570	156.80

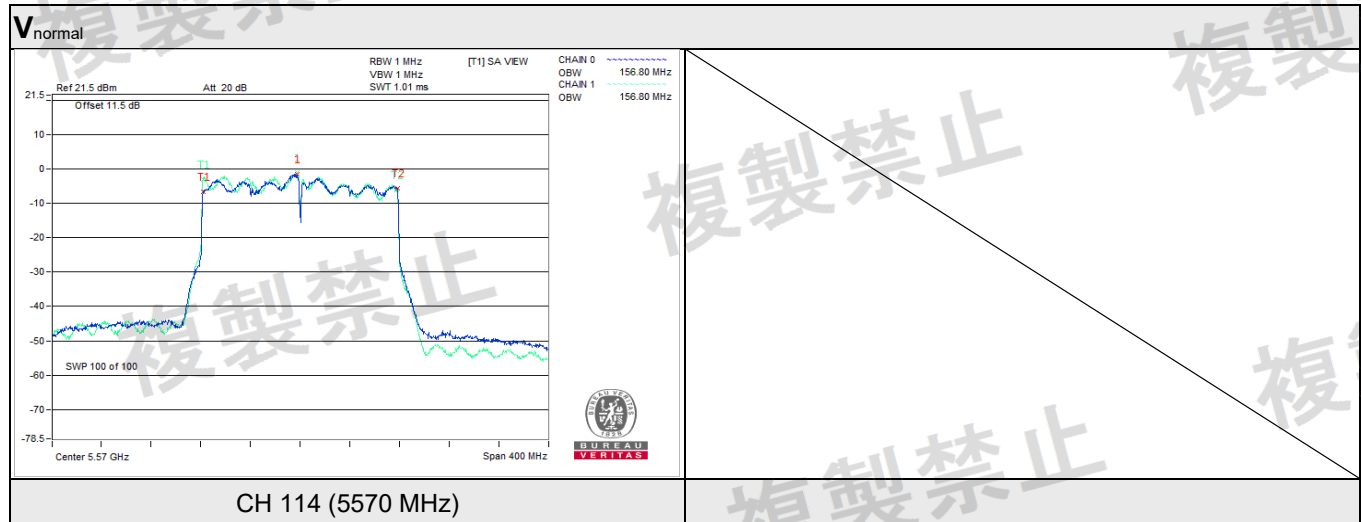
NOTE: For the test plots please refer to the below pages.

802.11be (EHT160) Chain 1

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
114	5570	156.80

NOTE: For the test plots please refer to the below pages.

802.11be (EHT160) Graph



Internal Antenna (Mode B)

802.11a Chain 0

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
100	5500	16.55
120	5600	16.60
144	5720	16.65

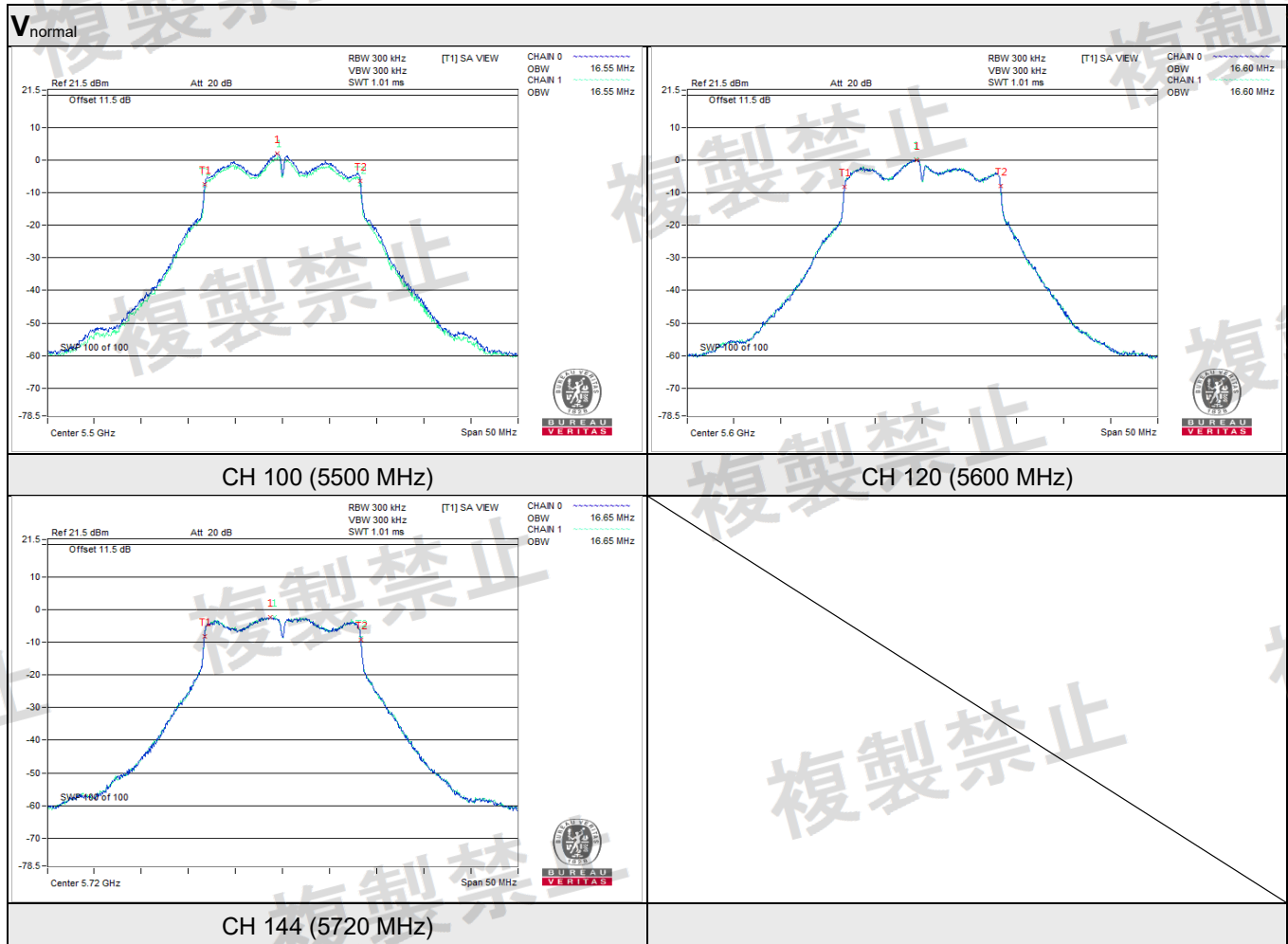
NOTE: For the test plots please refer to the below pages.

802.11a Chain 1

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
100	5500	16.55
120	5600	16.60
144	5720	16.65

NOTE: For the test plots please refer to the below pages.

802.11a Graph



802.11be (EHT20) Chain 0

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
100	5500	19.10
120	5600	19.10
144	5720	19.00

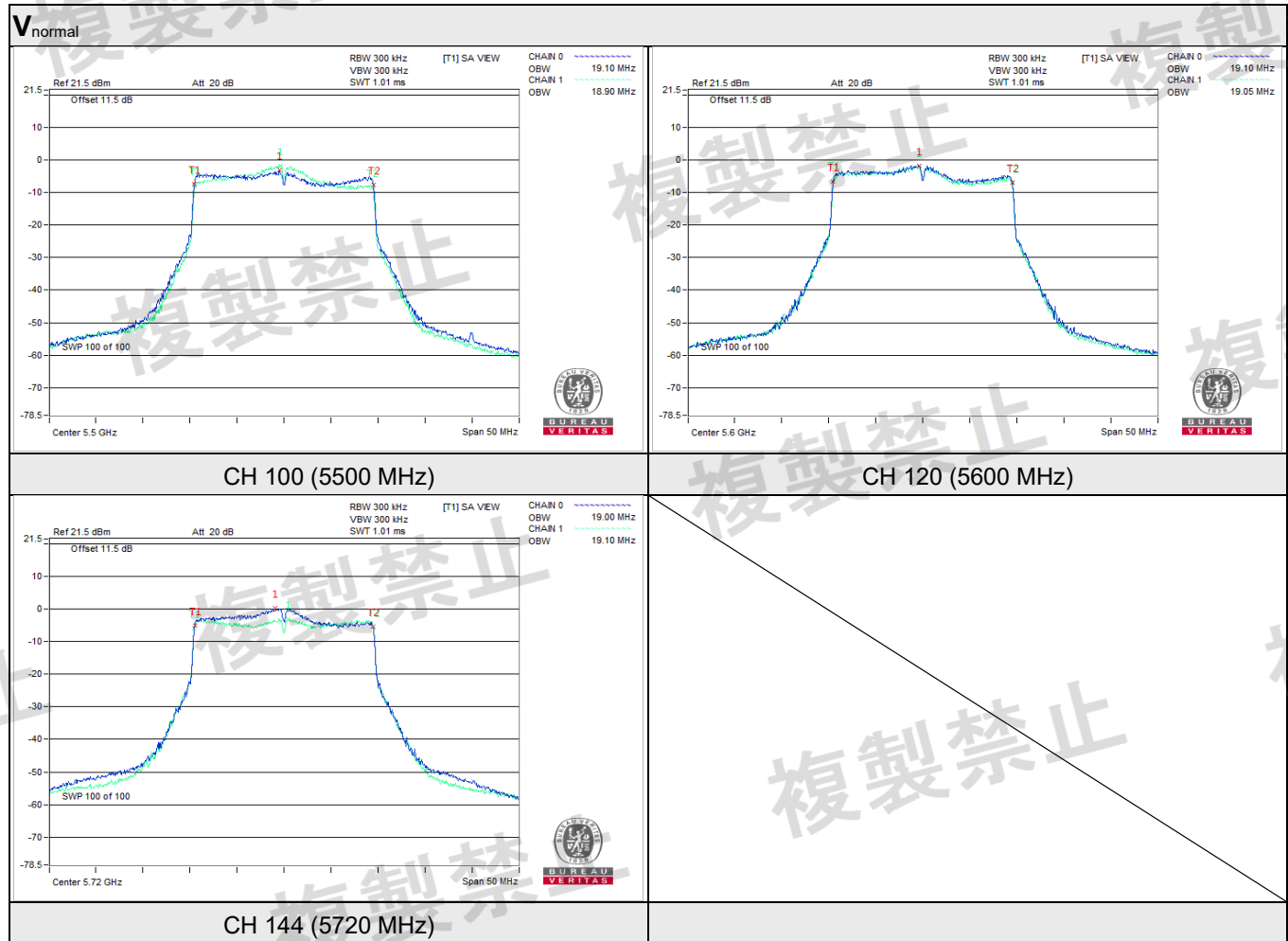
NOTE: For the test plots please refer to the below pages.

802.11be (EHT20) Chain 1

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
100	5500	18.90
120	5600	19.05
144	5720	19.10

NOTE: For the test plots please refer to the below pages.

802.11be (EHT20) Graph



802.11be (EHT40) Chain 0

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
102	5510	38.10
118	5590	38.10
142	5710	38.30

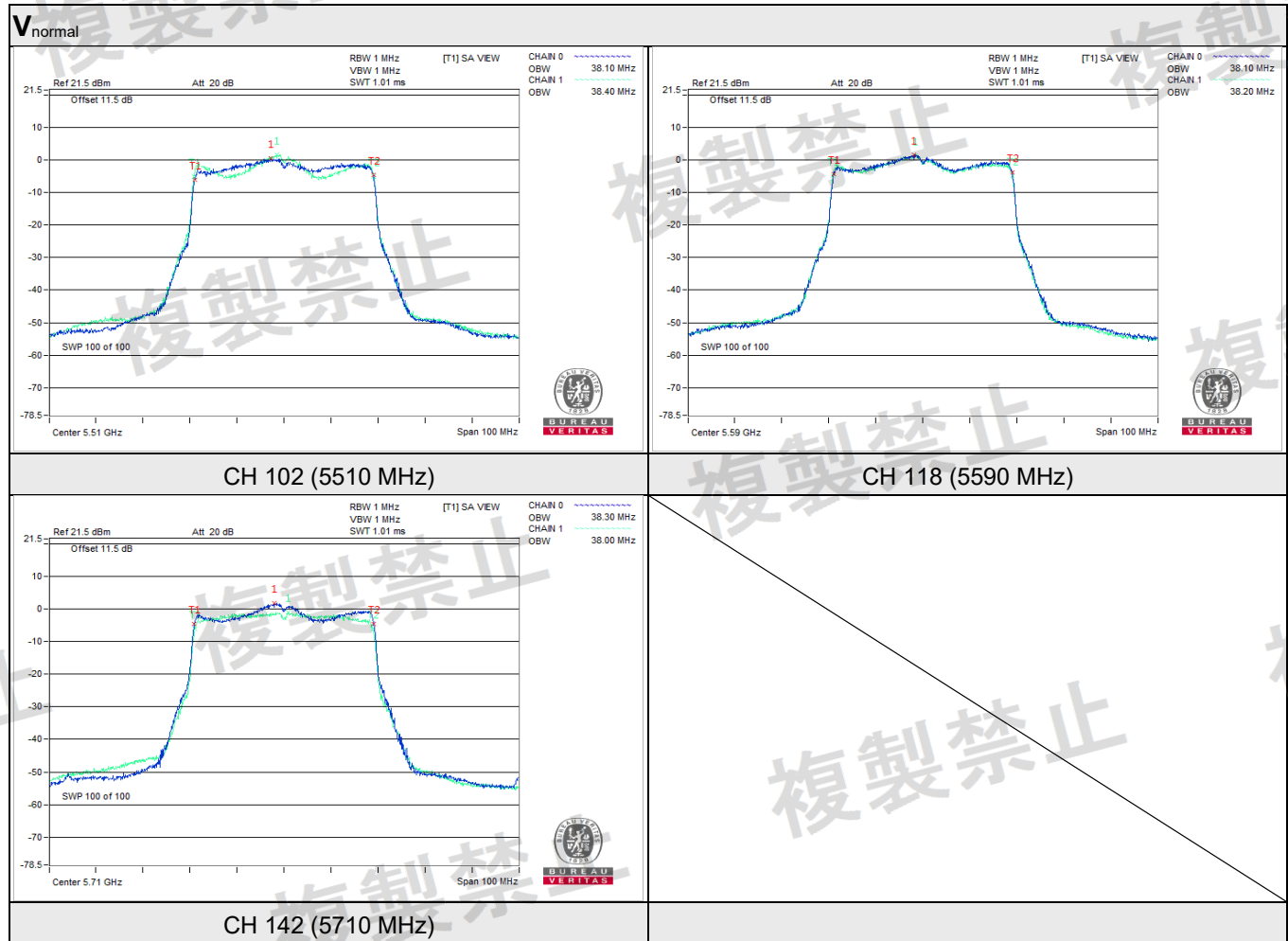
NOTE: For the test plots please refer to the below pages.

802.11be (EHT40) Chain 1

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
102	5510	38.40
118	5590	38.20
142	5710	38.00

NOTE: For the test plots please refer to the below pages.

802.11be (EHT40) Graph



802.11be (EHT80) Chain 0

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
106	5530	77.60
122	5610	77.60
138	5690	77.60

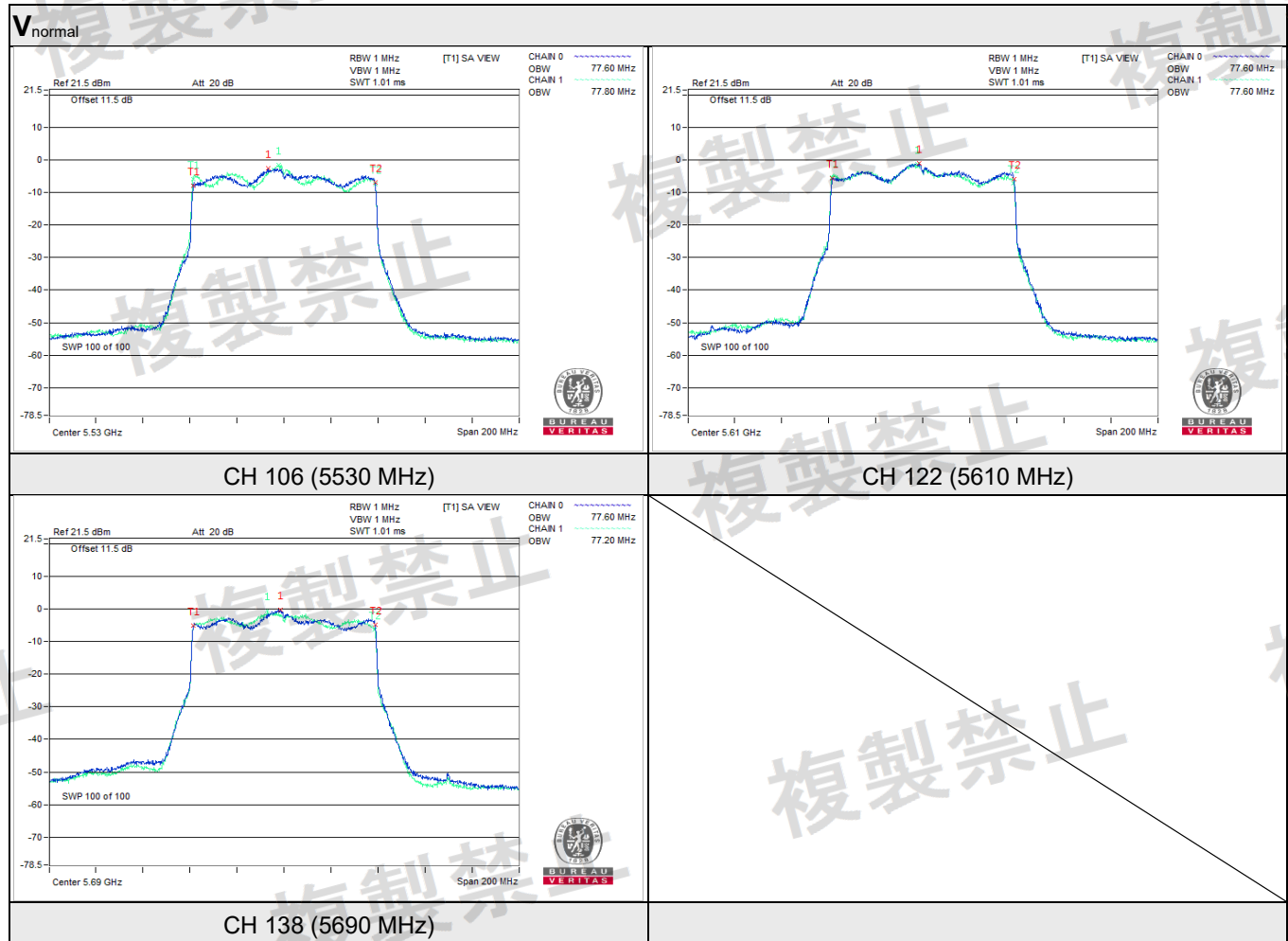
NOTE: For the test plots please refer to the below pages.

802.11be (EHT80) Chain 1

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
106	5530	77.80
122	5610	77.60
138	5690	77.20

NOTE: For the test plots please refer to the below pages.

802.11be (EHT80) Graph



802.11be (EHT160) Chain 0

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
114	5570	156.40

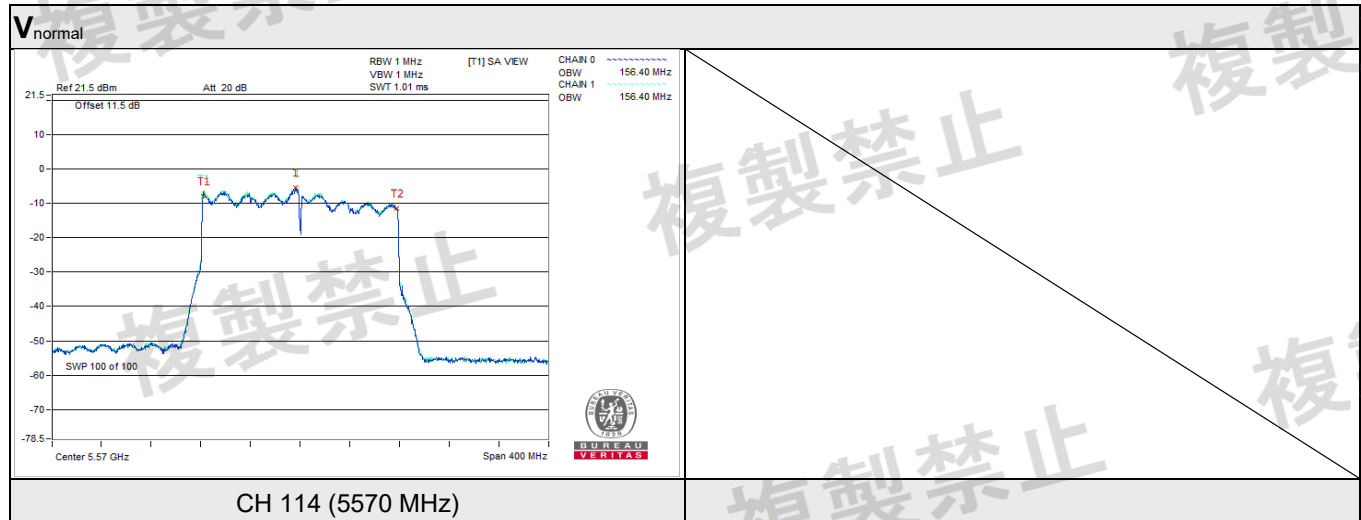
NOTE: For the test plots please refer to the below pages.

802.11be (EHT160) Chain 1

Channel	Frequency (MHz)	V _{normal}
		Occupied Bandwidth (MHz)
114	5570	156.40

NOTE: For the test plots please refer to the below pages.

802.11be (EHT160) Graph



7.3 Spurious Emissions

Environmental Conditions:	25°C, 65% RH	Tested By:	Wayne Lin
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External Antenna (Mode A)

802.11a Chain 0: W56

TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30.0 to 1000.0	44.065	0.000774 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5309.475	0.165959 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5466.901	0.153815 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5746.814	0.115878 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	21720.298	0.047206 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V_{normal}	30.0 to 1000.0	39.458	0.000764 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5409.825	0.155239 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5462.288	0.137088 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5745.137	0.118032 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	21710.180	0.050003 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V_{normal}	30.0 to 1000.0	60.797	0.000745 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5424.320	0.049659 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5464.461	0.107647 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5746.052	0.233346 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5807.999	0.056624 uW/MHz	1.25 uW/MHz	PASS

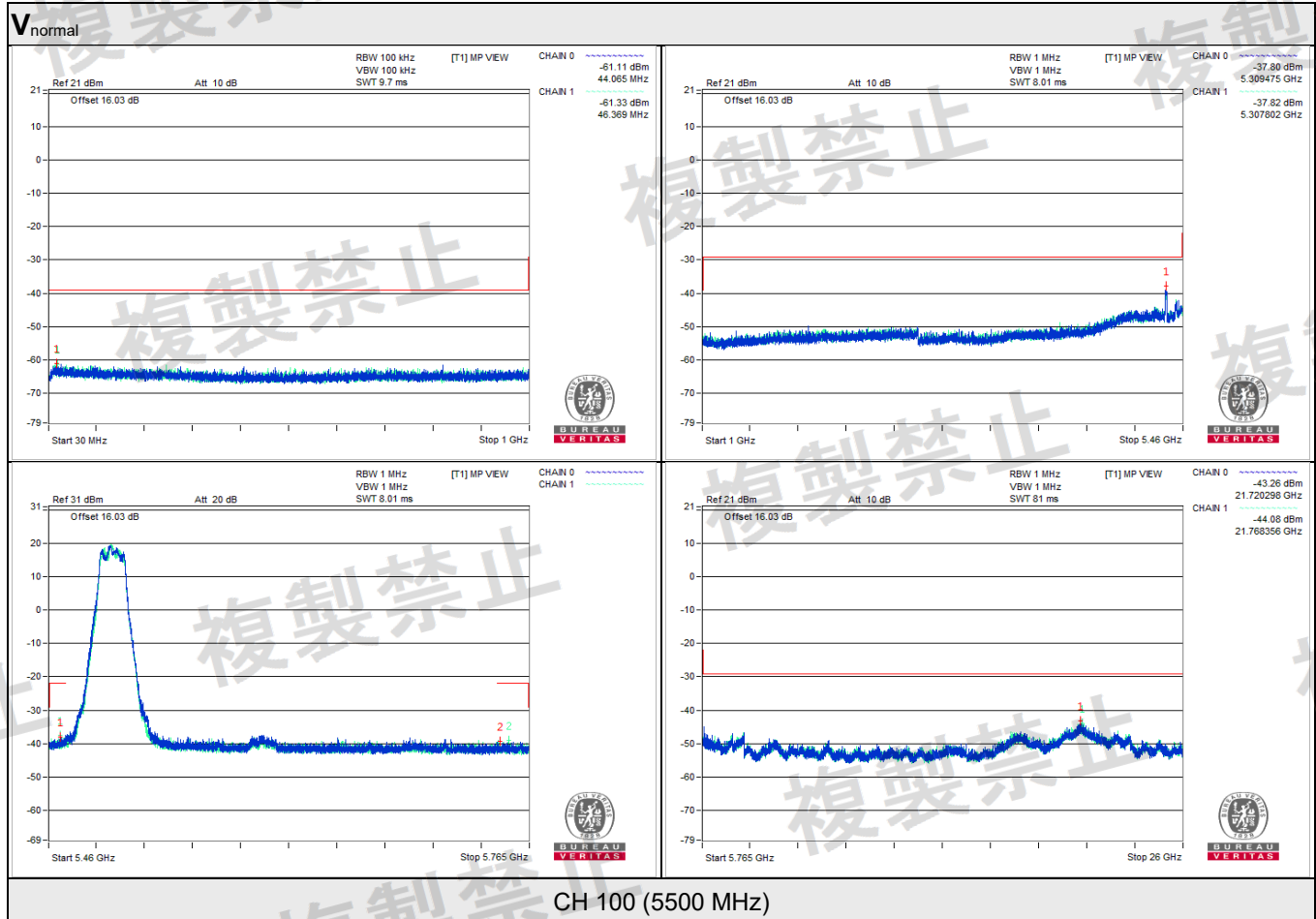
NOTE: 1. The spectrum plots are attached on the following pages.

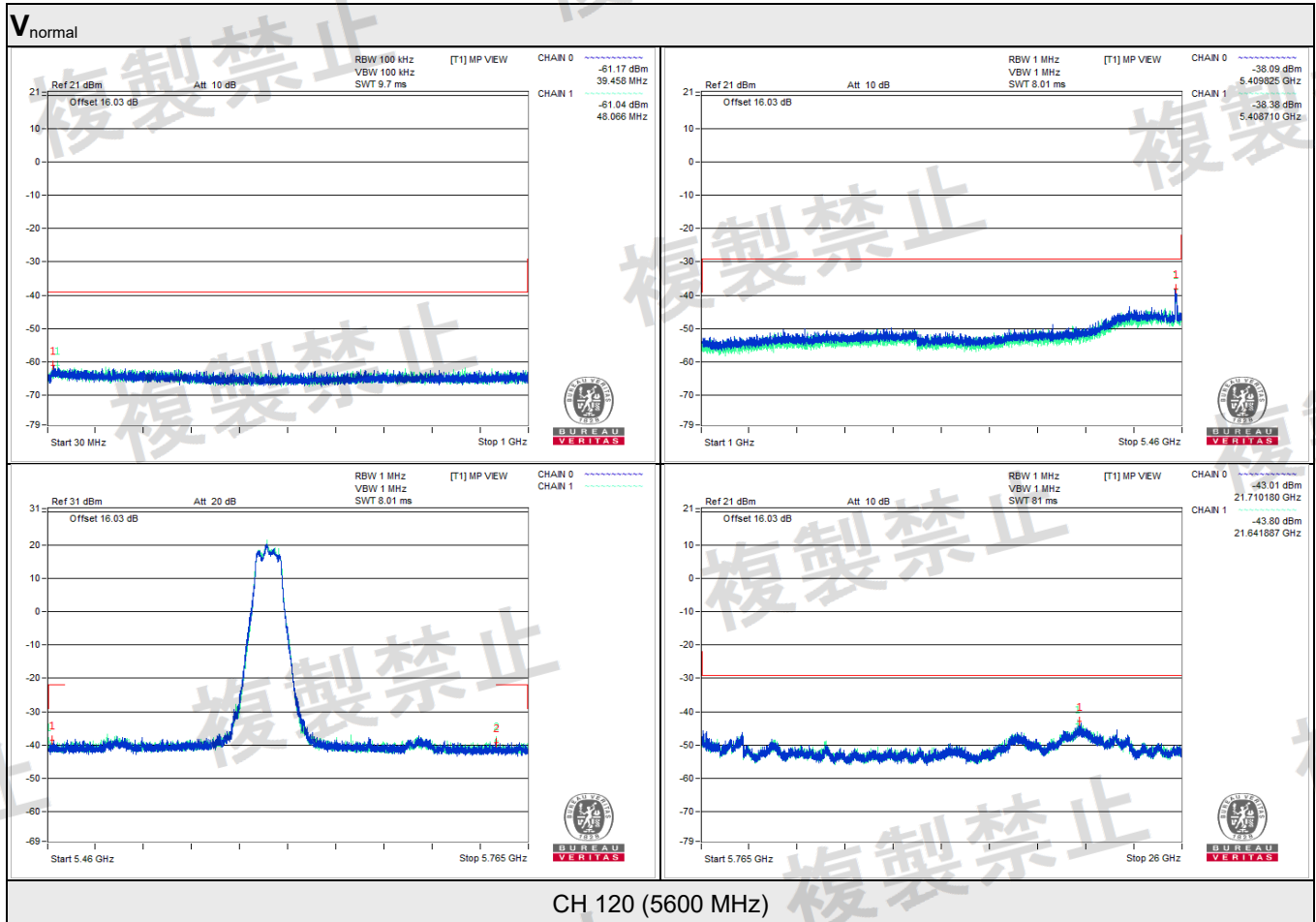
802.11a Chain 1: W56

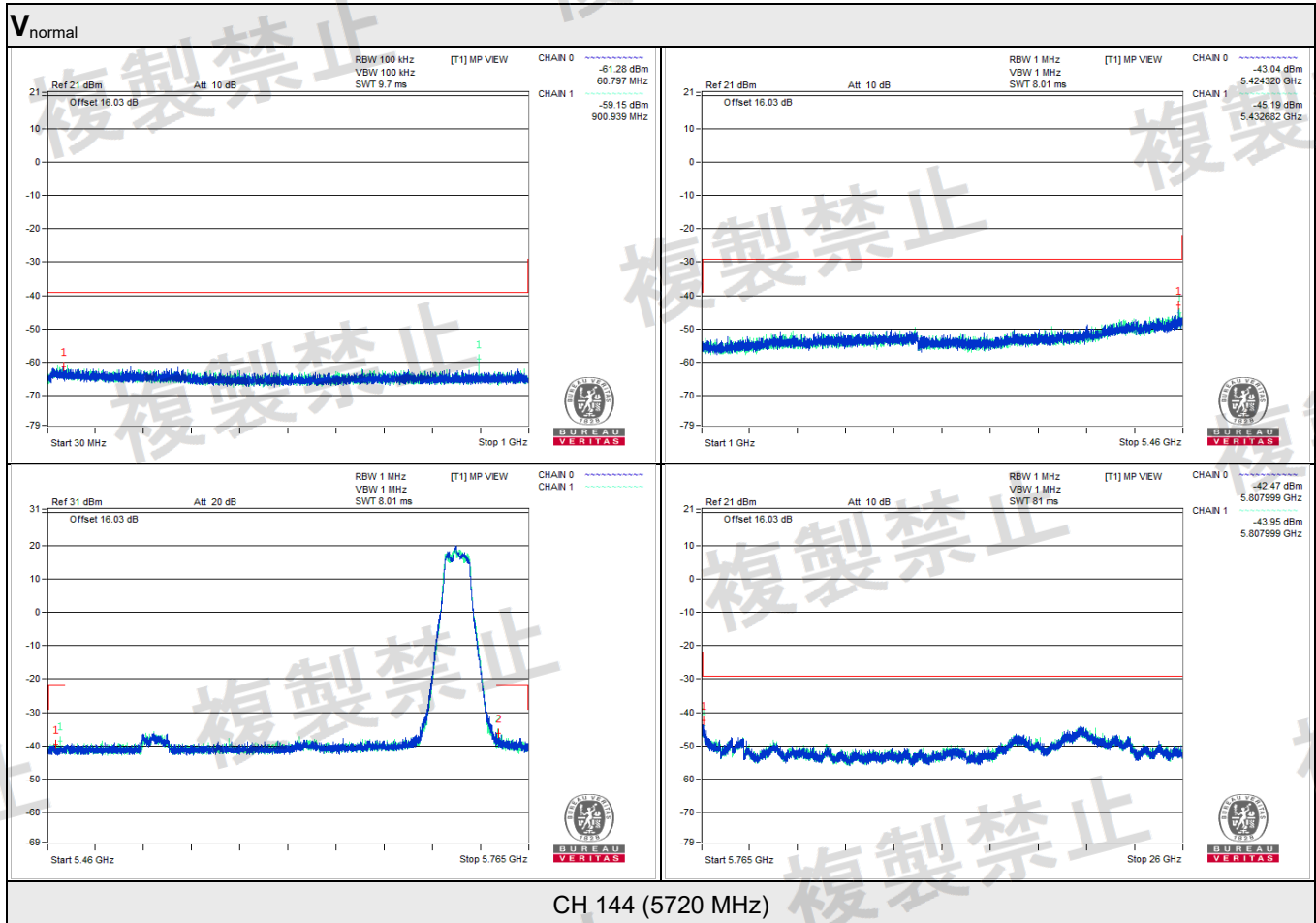
TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	46.369	0.000736 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5307.802	0.165196 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5467.053	0.174582 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5752.609	0.126474 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	21768.356	0.039084 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	48.066	0.000787 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5408.710	0.145211 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5460.191	0.123027 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5745.251	0.133352 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	21641.887	0.041687 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	900.939	0.001216 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5432.682	0.030269 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5467.282	0.137721 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5745.480	0.229615 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5807.999	0.040272 uW/MHz	1.25 uW/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

802.11a Graph: W56







802.11a [Worst result] x [Number of antenna ports]: W56

TEST CHANNEL		CH 100 (5500 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30.0 to 1000.0	0.001548 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.331918 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	0.349164 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	0.252948 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.094412 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V_{normal}	30.0 to 1000.0	0.001574 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.310478 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	0.274176 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	0.266704 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.100006 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V_{normal}	30.0 to 1000.0	0.002432 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.099318 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	0.275442 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	0.466692 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.113248 uW/MHz	2.5 uW/MHz	PASS

802.11be (EHT20) Chain 0: W56

TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	38.730	0.000703 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5309.475	0.175388 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5467.320	0.236592 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5760.120	0.139637 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	21692.474	0.043954 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	54.129	0.000826 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5411.498	0.125026 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5465.109	0.126765 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5760.578	0.133352 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	21695.004	0.043053 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	254.070	0.000726 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5423.762	0.033884 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5461.716	0.11885 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5745.137	0.364754 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5815.587	0.070146 uW/MHz	1.25 uW/MHz	PASS

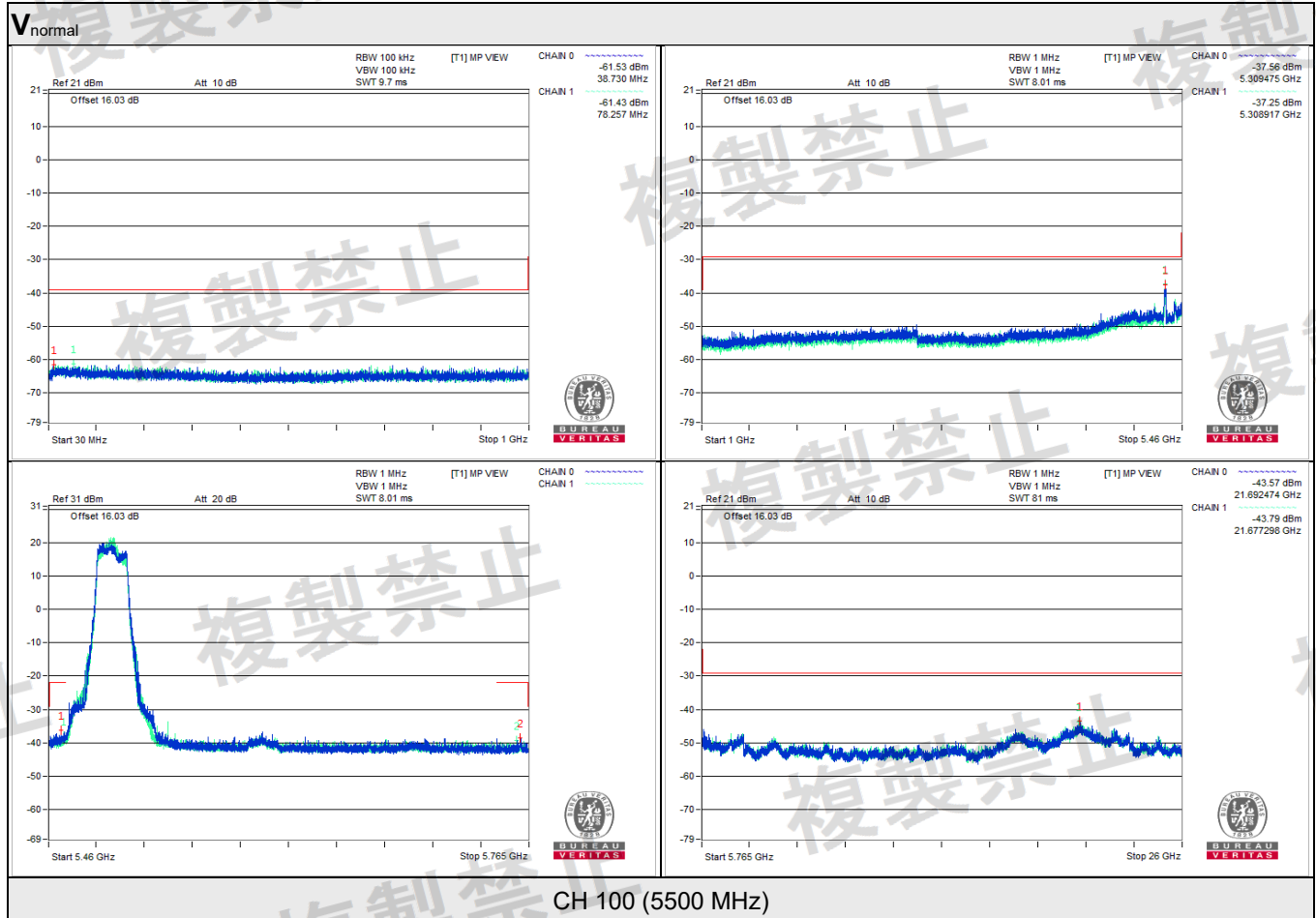
NOTE: 1. The spectrum plots are attached on the following pages.

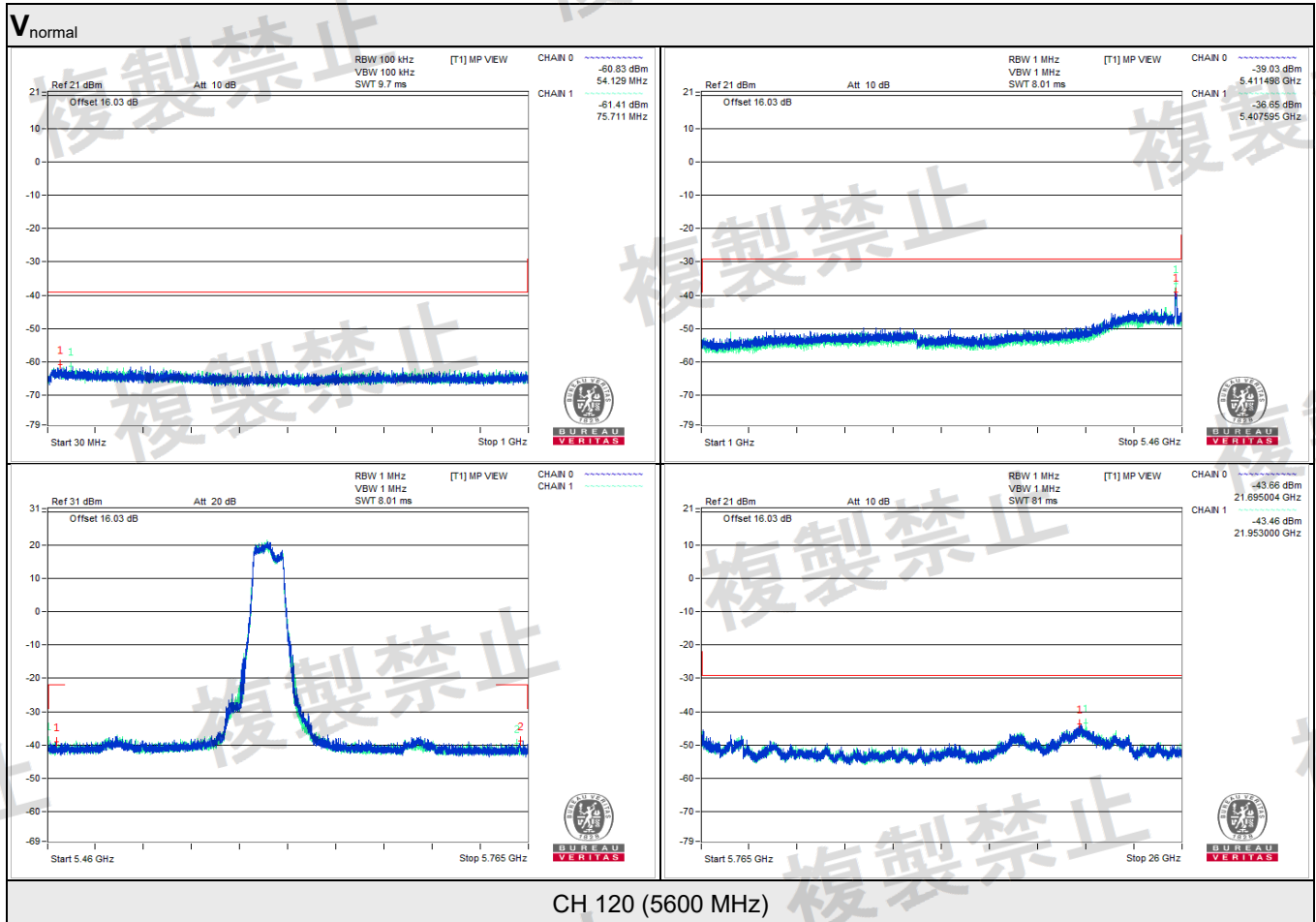
802.11be (EHT20) Chain 1: W56

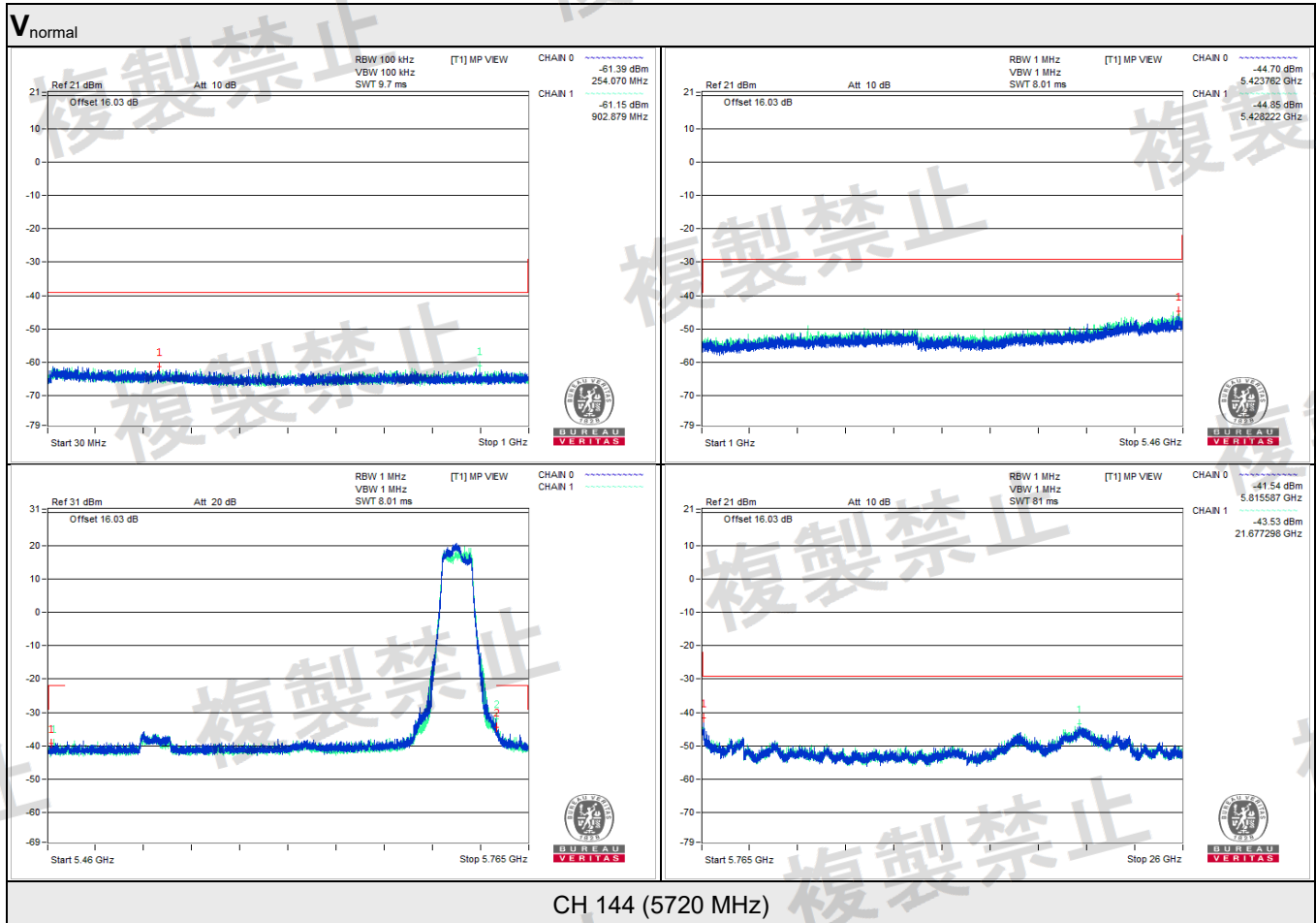
TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	78.257	0.000719 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5308.917	0.188365 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5469.264	0.155597 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5757.489	0.113501 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	21677.298	0.041783 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	75.711	0.000723 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5407.595	0.216272 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5460.076	0.130317 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5758.023	0.107152 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	21953.000	0.045082 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	902.879	0.000767 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5428.222	0.032734 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5463.584	0.11695 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5745.099	0.659174 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	21677.298	0.044361 uW/MHz	1.25 uW/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

802.11be (EHT20) Graph: W56







802.11be (EHT20) [Worst result] x [Number of antenna ports]: W56

TEST CHANNEL		CH 100 (5500 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.001438 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.376730 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	0.473184 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	0.279274 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.087908 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V _{normal}	30.0 to 1000.0	0.001652 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.432544 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	0.260634 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	0.266704 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.090164 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V _{normal}	30.0 to 1000.0	0.001534 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.067768 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	0.237700 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	1.318348 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.140292 uW/MHz	2.5 uW/MHz	PASS

802.11be (EHT40) Chain 0: W56

TEST CHANNEL		CH 102 (5510 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	68.679	0.000729 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5459.443	0.321366 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5466.665	0.903649 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	21716.298	0.045082 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 118 (5590 MHz)			
V _{normal}	30.0 to 1000.0	154.160	0.000769 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5386.967	0.110917 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5462.054	0.125314 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	21526.641	0.037844 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 142 (5710 MHz)			
V _{normal}	30.0 to 1000.0	145.309	0.000774 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5424.320	0.038637 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5468.602	0.119124 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	5805.403	0.081096 uW/MHz	6.25 uW/MHz	PASS

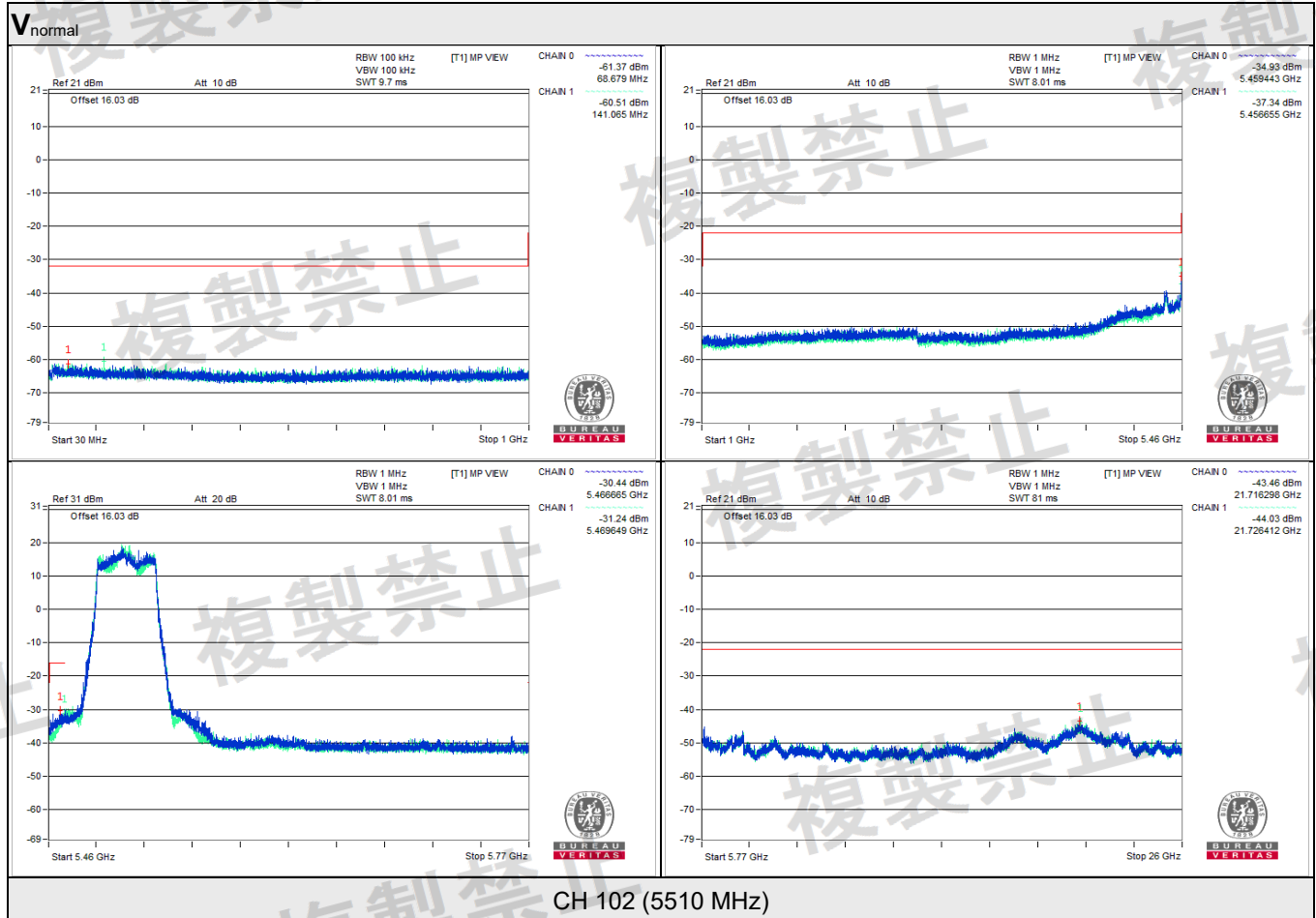
NOTE: 1. The spectrum plots are attached on the following pages.

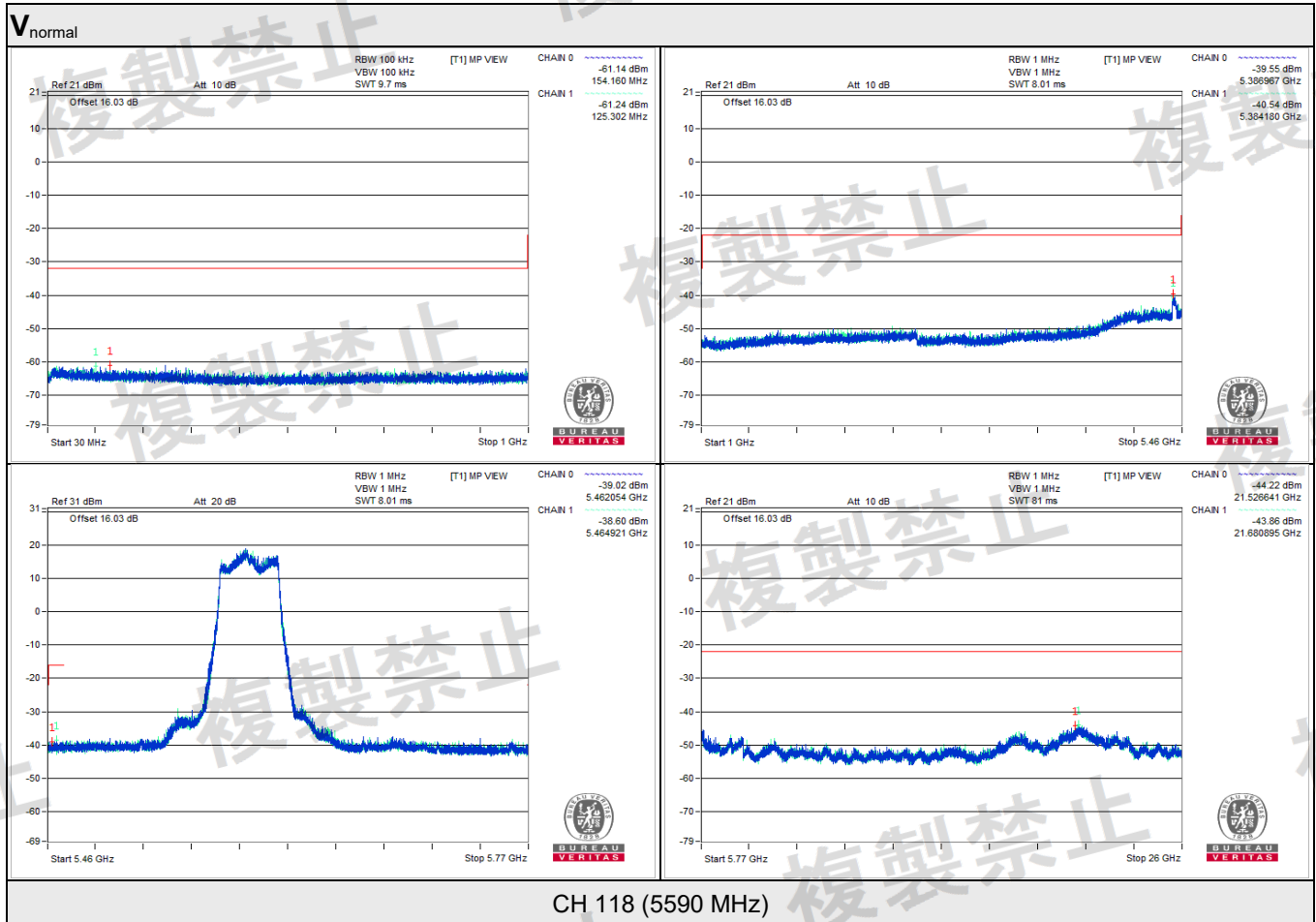
802.11be (EHT40) Chain 1: W56

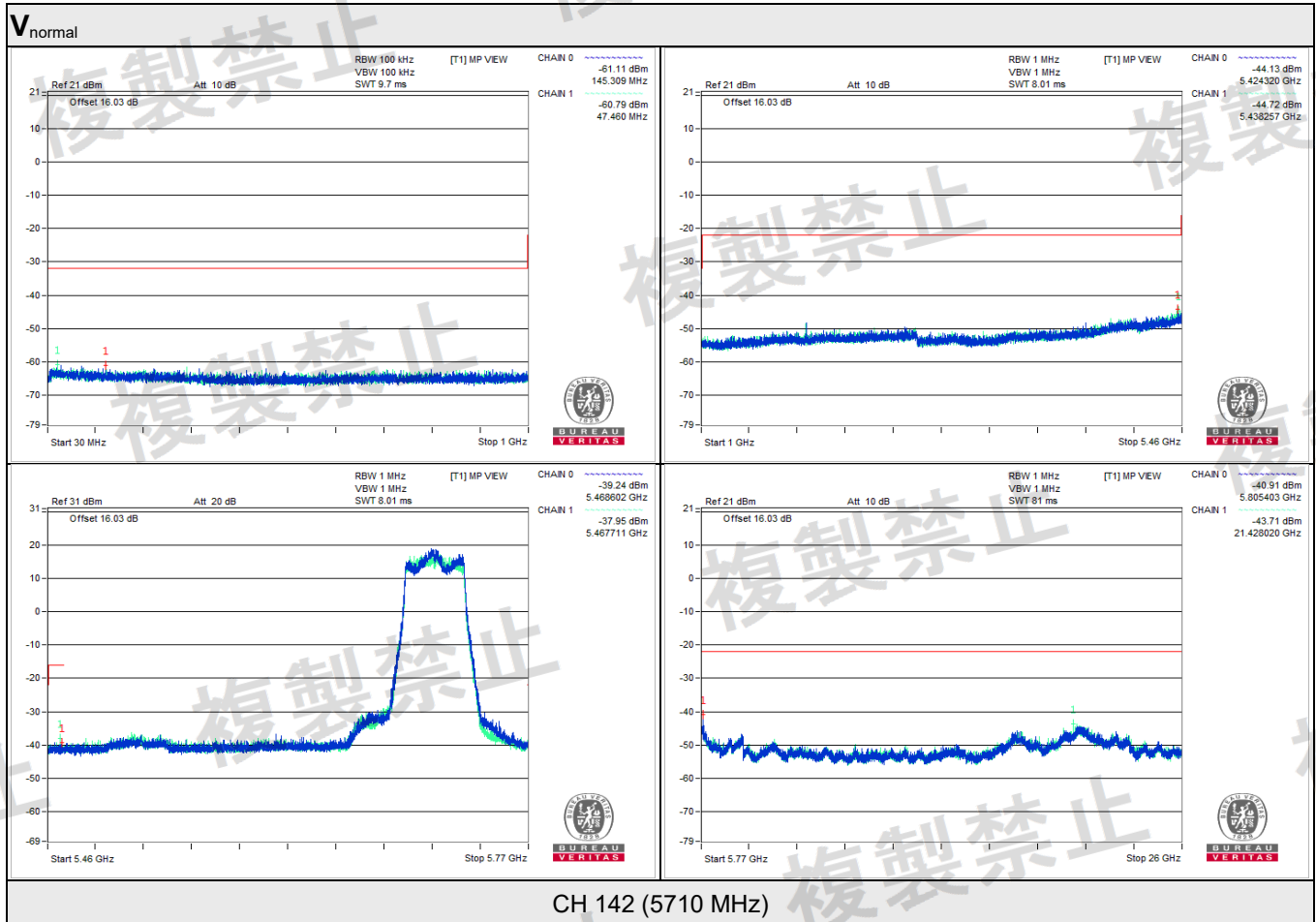
TEST CHANNEL		CH 102 (5510 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	141.065	0.000889 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5456.655	0.184502 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5469.649	0.751623 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	21726.412	0.039537 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 118 (5590 MHz)			
V _{normal}	30.0 to 1000.0	125.302	0.000752 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5384.180	0.088308 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5464.921	0.138038 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	21680.895	0.041115 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 142 (5710 MHz)			
V _{normal}	30.0 to 1000.0	47.460	0.000834 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5438.257	0.033729 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5467.711	0.160325 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	21428.020	0.04256 uW/MHz	6.25 uW/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

802.11be (EHT40) Graph: W56







802.11be (EHT40) [Worst result] x [Number of antenna ports]: W56

TEST CHANNEL		CH 102 (5510 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.001778 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.642732 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5470.0	1.807298 uW/MHz	50 uW/MHz	PASS
	5770.0 to 26000.0	0.090164 uW/MHz	12.5 uW/MHz	PASS
TEST CHANNEL		CH 118 (5590 MHz)		
V _{normal}	30.0 to 1000.0	0.001538 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.221834 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5470.0	0.276076 uW/MHz	50 uW/MHz	PASS
	5770.0 to 26000.0	0.082230 uW/MHz	12.5 uW/MHz	PASS
TEST CHANNEL		CH 142 (5710 MHz)		
V _{normal}	30.0 to 1000.0	0.001668 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.077274 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5470.0	0.320650 uW/MHz	50 uW/MHz	PASS
	5770.0 to 26000.0	0.162192 uW/MHz	12.5 uW/MHz	PASS

802.11be (EHT80) Chain 0: W56

TEST CHANNEL		CH 106 (5530 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	48.309	0.000746 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5460.000	0.320627 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5467.169	0.726106 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.998	0.535797 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	21587.331	0.036475 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 122 (5610 MHz)			
V _{normal}	30.0 to 1000.0	248.614	0.000832 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5424.320	0.079068 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5464.301	0.174582 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.726	0.097275 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	21670.780	0.039628 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 138 (5690 MHz)			
V _{normal}	30.0 to 1000.0	108.570	0.000731 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5424.320	0.05358 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5464.573	0.161808 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.610	0.104472 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	5772.529	0.079983 uW/MHz	6.25 uW/MHz	PASS

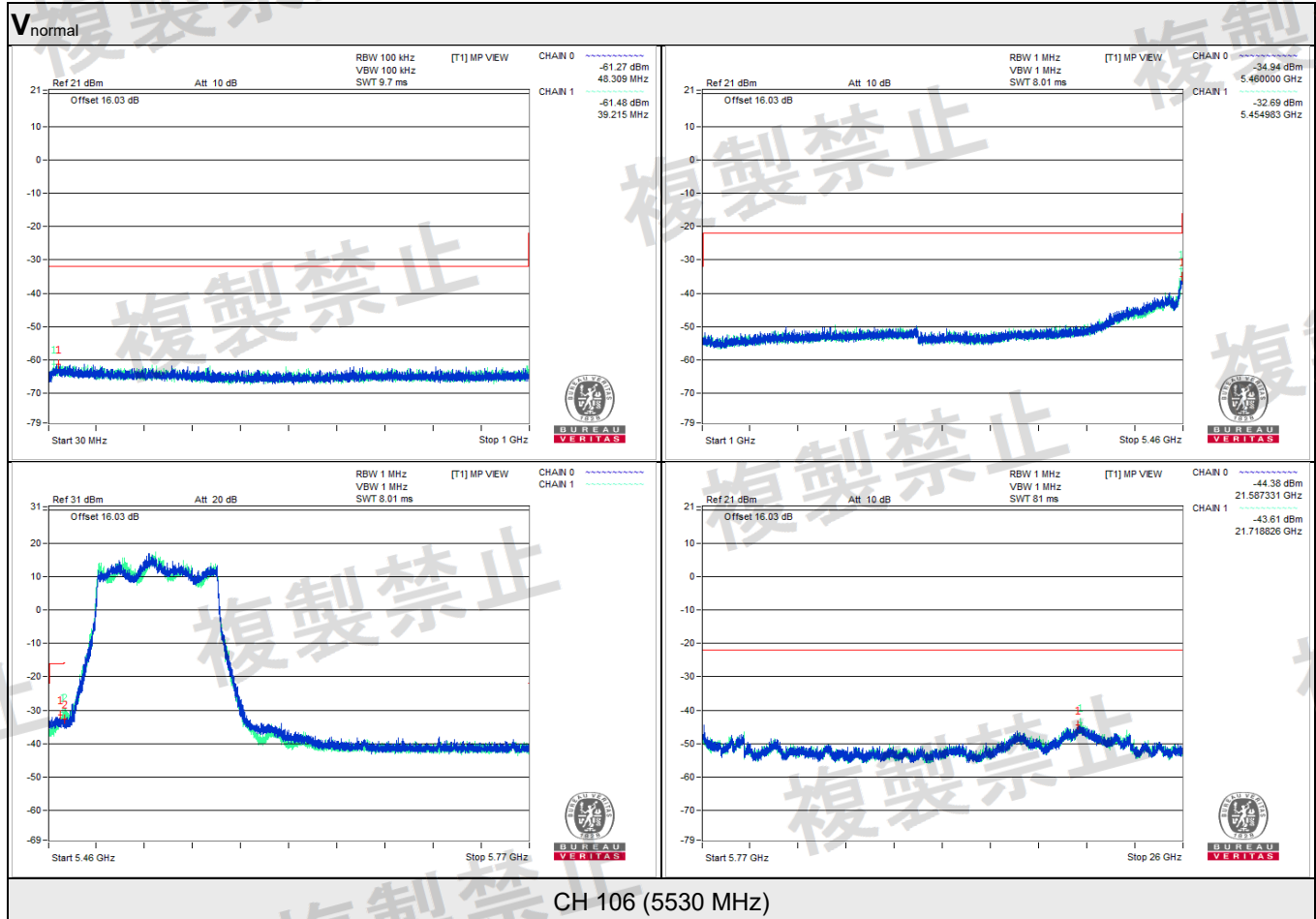
NOTE: 1. The spectrum plots are attached on the following pages.

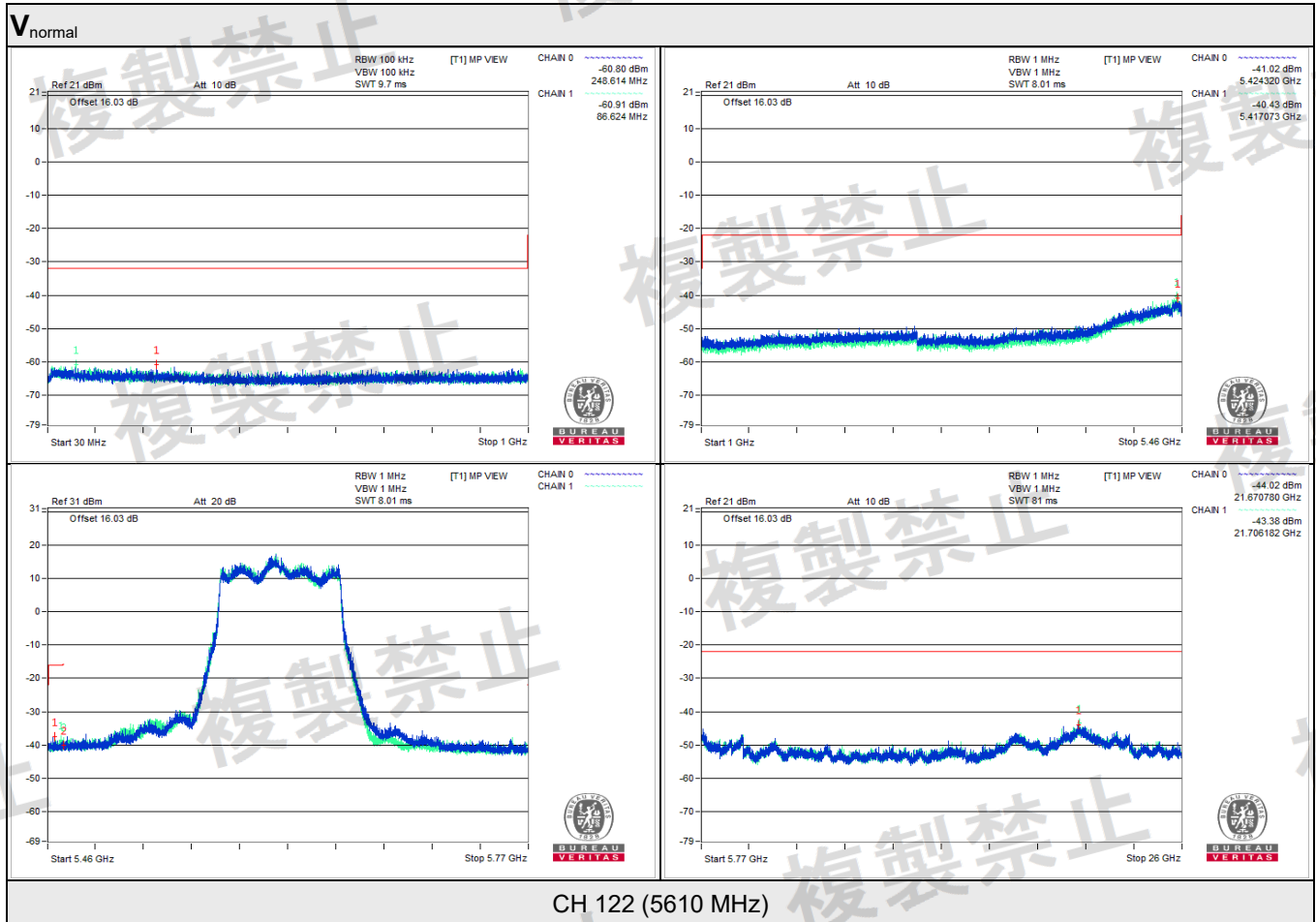
802.11be (EHT80) Chain 1: W56

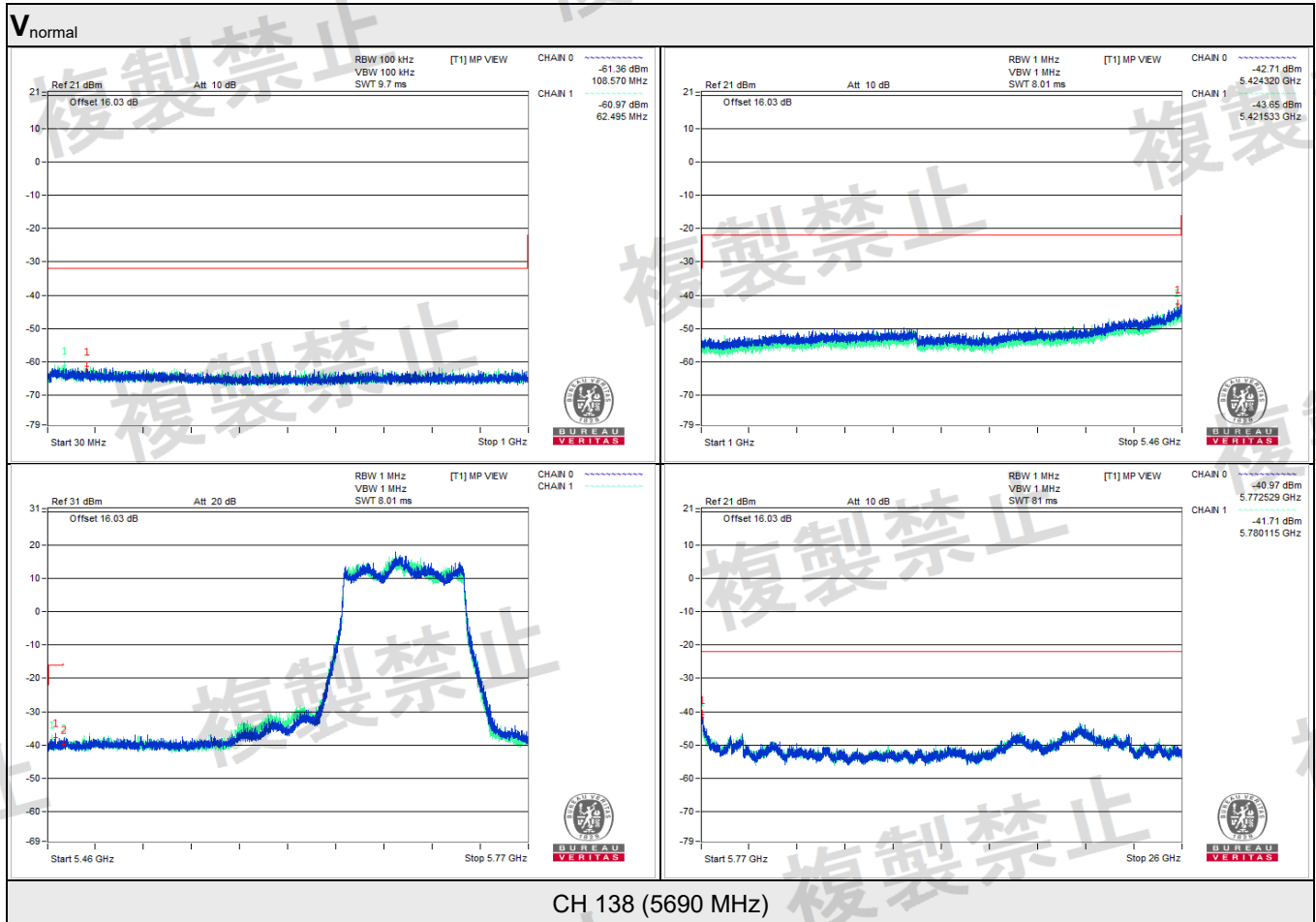
TEST CHANNEL		CH 106 (5530 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	39.215	0.000711 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5454.983	0.53827 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5468.448	0.860994 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.920	0.851138 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	21718.826	0.043551 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 122 (5610 MHz)			
V _{normal}	30.0 to 1000.0	86.624	0.000811 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5417.073	0.090573 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5467.944	0.141579 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.881	0.120504 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	21706.182	0.04592 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 138 (5690 MHz)			
V _{normal}	30.0 to 1000.0	62.495	0.0008 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5421.533	0.043152 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5462.519	0.145881 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.726	0.11885 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	5780.115	0.067453 uW/MHz	6.25 uW/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

802.11be (EHT80) Graph: W56







802.11be (EHT80) [Worst result] x [Number of antenna ports]: W56

TEST CHANNEL		CH 106 (5530 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.001492 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	1.076540 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5469.5	1.721988 uW/MHz	50 uW/MHz	PASS
	5469.5 to 5470.0	1.702276 uW/MHz	51.2 uW/MHz	PASS
	5770.0 to 26000.0	0.087102 uW/MHz	12.5 uW/MHz	PASS
TEST CHANNEL		CH 122 (5610 MHz)		
V _{normal}	30.0 to 1000.0	0.001664 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.181146 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5469.5	0.349164 uW/MHz	50 uW/MHz	PASS
	5469.5 to 5470.0	0.241008 uW/MHz	51.2 uW/MHz	PASS
	5770.0 to 26000.0	0.091840 uW/MHz	12.5 uW/MHz	PASS
TEST CHANNEL		CH 138 (5690 MHz)		
V _{normal}	30.0 to 1000.0	0.001600 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.107160 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5469.5	0.323616 uW/MHz	50 uW/MHz	PASS
	5469.5 to 5470.0	0.237700 uW/MHz	51.2 uW/MHz	PASS
	5770.0 to 26000.0	0.159966 uW/MHz	12.5 uW/MHz	PASS

802.11be (EHT160) Chain 0: W56

TEST CHANNEL		CH 114 (5570 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30.0 to 1000.0	36.305	0.000887 μ W/100kHz	0.625 μ W/100kHz	PASS
	1000.0 to 5419.6	5405.236	1.468926 μ W/MHz	6.25 μ W/MHz	PASS
	5419.6 to 5470.0	5463.043	5.533501 μ W/MHz	25 μ W/MHz	PASS
	5725.0 to 26000.0	5745.275	0.285102 μ W/MHz	6.25 μ W/MHz	PASS

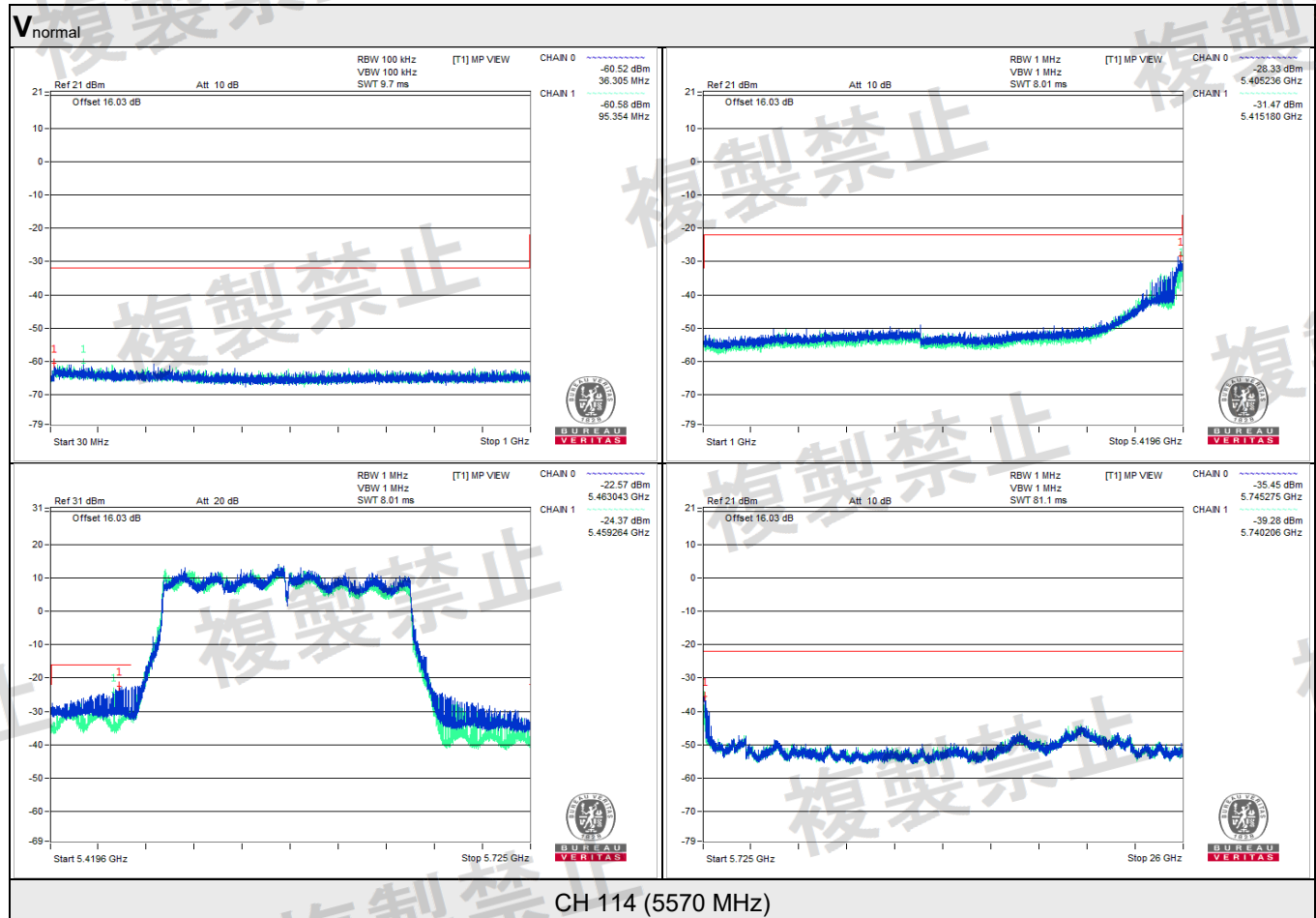
NOTE: 1. The spectrum plots are attached on the following pages.

802.11be (EHT160) Chain 1: W56

TEST CHANNEL		CH 114 (5570 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30.0 to 1000.0	95.354	0.000875 μ W/100kHz	0.625 μ W/100kHz	PASS
	1000.0 to 5419.6	5415.180	0.712853 μ W/MHz	6.25 μ W/MHz	PASS
	5419.6 to 5470.0	5459.264	3.655948 μ W/MHz	25 μ W/MHz	PASS
	5725.0 to 26000.0	5740.206	0.118032 μ W/MHz	6.25 μ W/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

802.11be (EHT160) Graph: W56



802.11be (EHT160) [Worst result] x [Number of antenna ports]: W56

TEST CHANNEL		CH 114 (5570 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.001774 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5419.6	2.937852 uW/MHz	12.5 uW/MHz	PASS
	5419.6 to 5470.0	11.067002 uW/MHz	50 uW/MHz	PASS
	5725.0 to 26000.0	0.570204 uW/MHz	12.5 uW/MHz	PASS

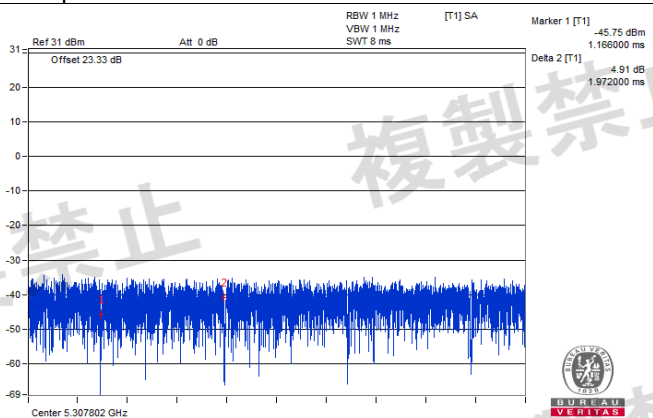
Internal Antenna (Mode B)

802.11a Chain 0: W56

TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	35.456	0.002275 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5307.802	0.072156 uW/MHz	1.25 uW/MHz	PASS(1)
	5460.0 to 5470.0	5469.379	0.716143 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5757.985	0.414954 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	22248.937	0.142561 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	37.760	0.002404 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5407.038	0.504661 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5461.677	0.503501 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5762.179	0.454988 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5830.764	0.170216 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	54.977	0.002667 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5431.568	0.098401 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5463.584	0.439542 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5750.246	0.529663 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5815.587	0.159588 uW/MHz	1.25 uW/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

2. (No.): The value was tested under Measuring Mode *Zero Span.

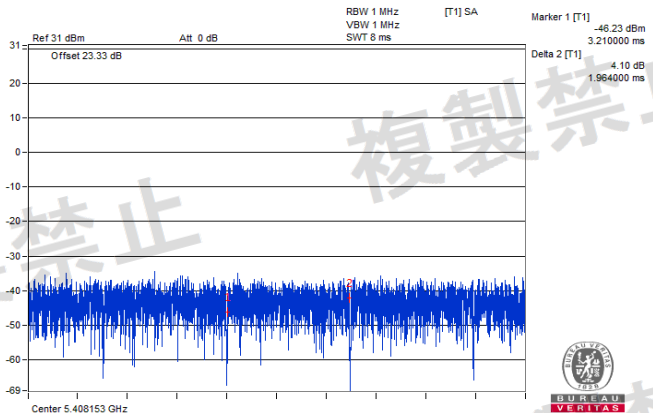
Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the "dBm" value into "uW" value. 3. It adds the all values and calculates a grand total. Define a grand total as "P". 4. It divides "P" by sample data point (>400) and calculates the mean value. 5. It reports the mean value.					
					
1	5307.802MHz	P = 0.072156 uW/MHz			

802.11a Chain 1: W56

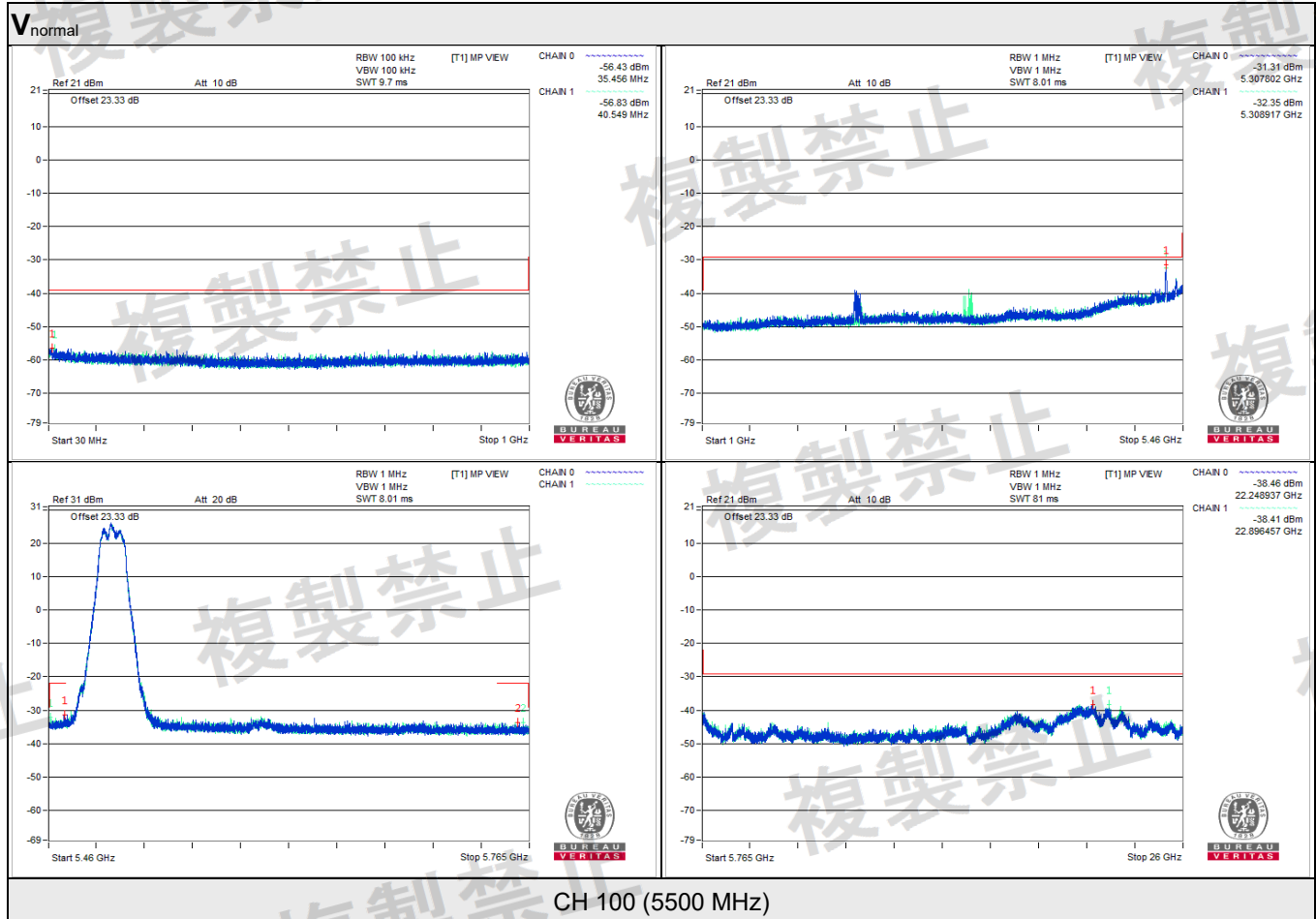
TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	40.549	0.002075 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5308.917	0.582103 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5460.419	0.592925 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5761.683	0.428549 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	22896.457	0.144212 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	794.117	0.002443 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5408.153	0.056636 uW/MHz	1.25 uW/MHz	PASS(1)
	5460.0 to 5470.0	5467.434	0.579429 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5746.014	0.479733 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	22135.115	0.156675 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	38.487	0.002427 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5425.993	0.093756 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5465.986	0.452898 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5748.416	0.53827 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5820.646	0.165196 uW/MHz	1.25 uW/MHz	PASS

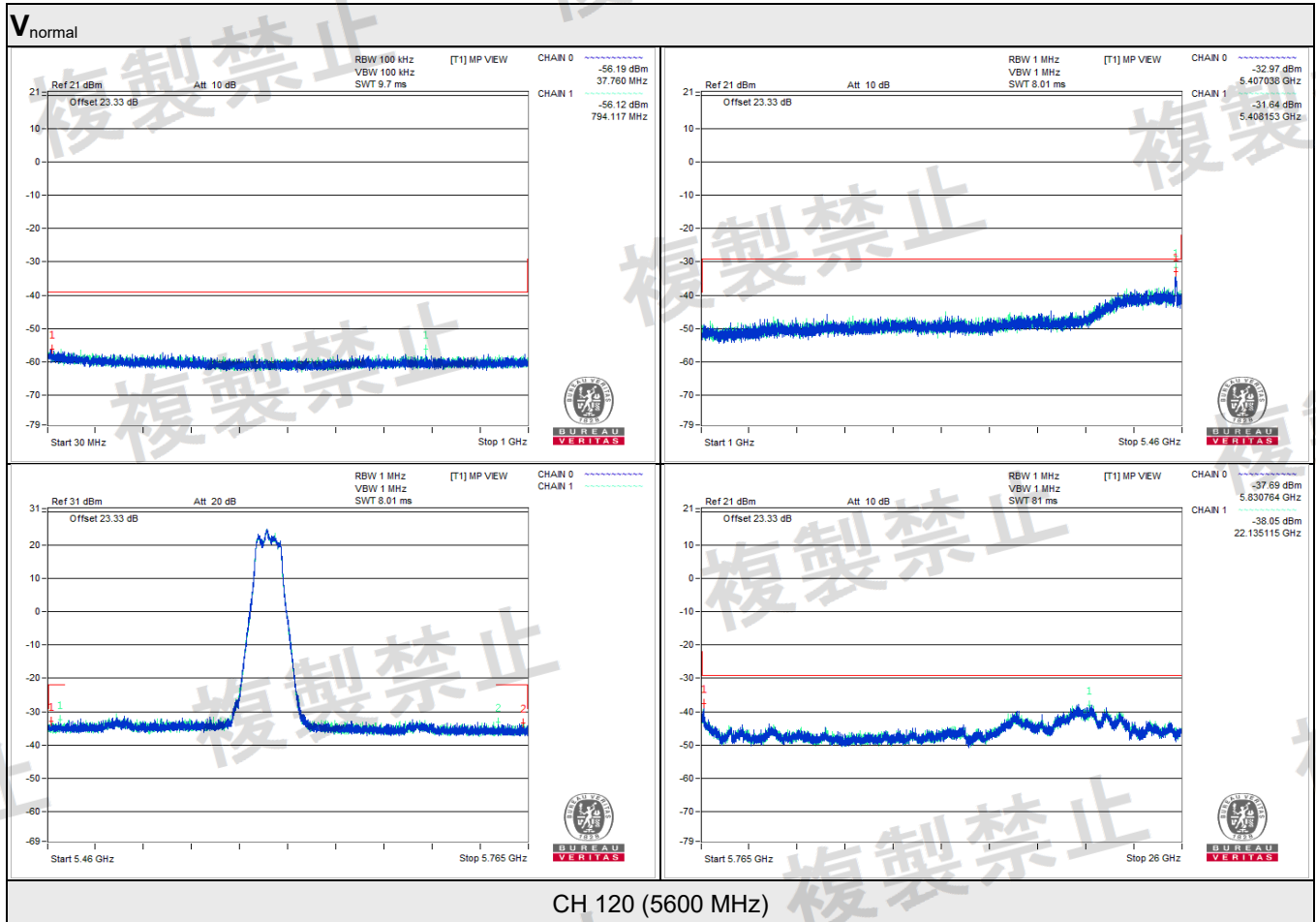
NOTE: 1. The spectrum plots are attached on the following pages.

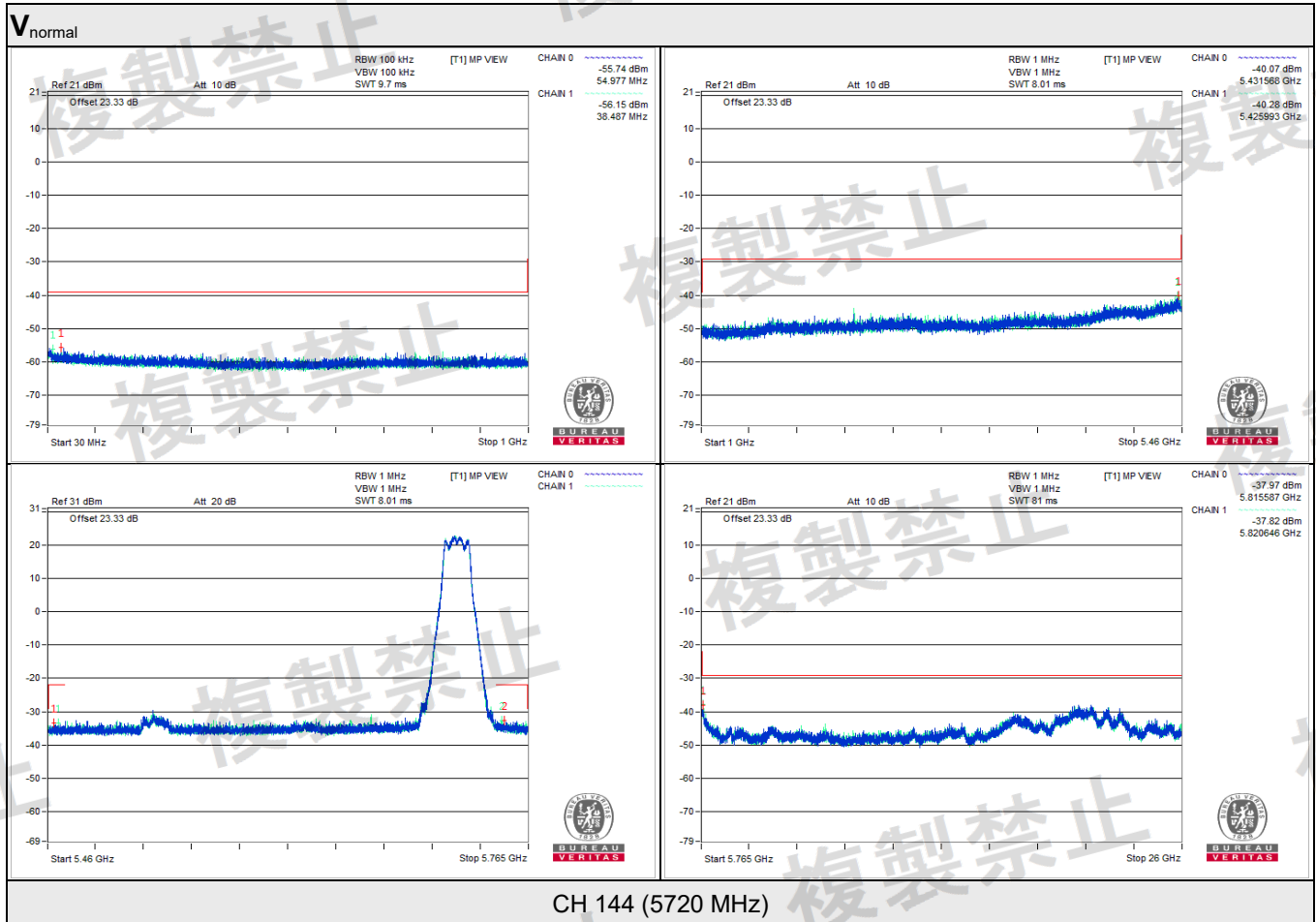
2. (No.): The value was tested under Measuring Mode *Zero Span.

Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the "dBm" value into "uW" value. 3. It adds the all values and calculates a grand total. Define a grand total as "P". 4. It divides "P" by sample data point (>400) and calculates the mean value. 5. It reports the mean value.					
					
1	5408.153MHz	P = 0.056636 uW/MHz			

802.11a Graph: W56







802.11a [Worst result] x [Number of antenna ports]: W56

TEST CHANNEL		CH 100 (5500 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.004550 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	1.164206 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	1.432286 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	0.857098 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.288424 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V _{normal}	30.0 to 1000.0	0.004886 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	1.009322 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	1.158858 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	0.959466 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.340432 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V _{normal}	30.0 to 1000.0	0.005334 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.196802 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	0.905796 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	1.076540 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.330392 uW/MHz	2.5 uW/MHz	PASS

802.11be (EHT20) Chain 0: W56

TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	135.730	0.002735 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5309.475	0.398107 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5464.499	0.526017 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5759.777	0.511682 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	21682.357	0.128825 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	33.516	0.002606 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5399.233	0.370681 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5468.845	0.490908 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5759.701	0.580764 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5807.999	0.18578 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	35.335	0.002958 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5424.320	0.174985 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5461.334	0.453942 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5745.861	1.066596 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5805.470	0.25704 uW/MHz	1.25 uW/MHz	PASS

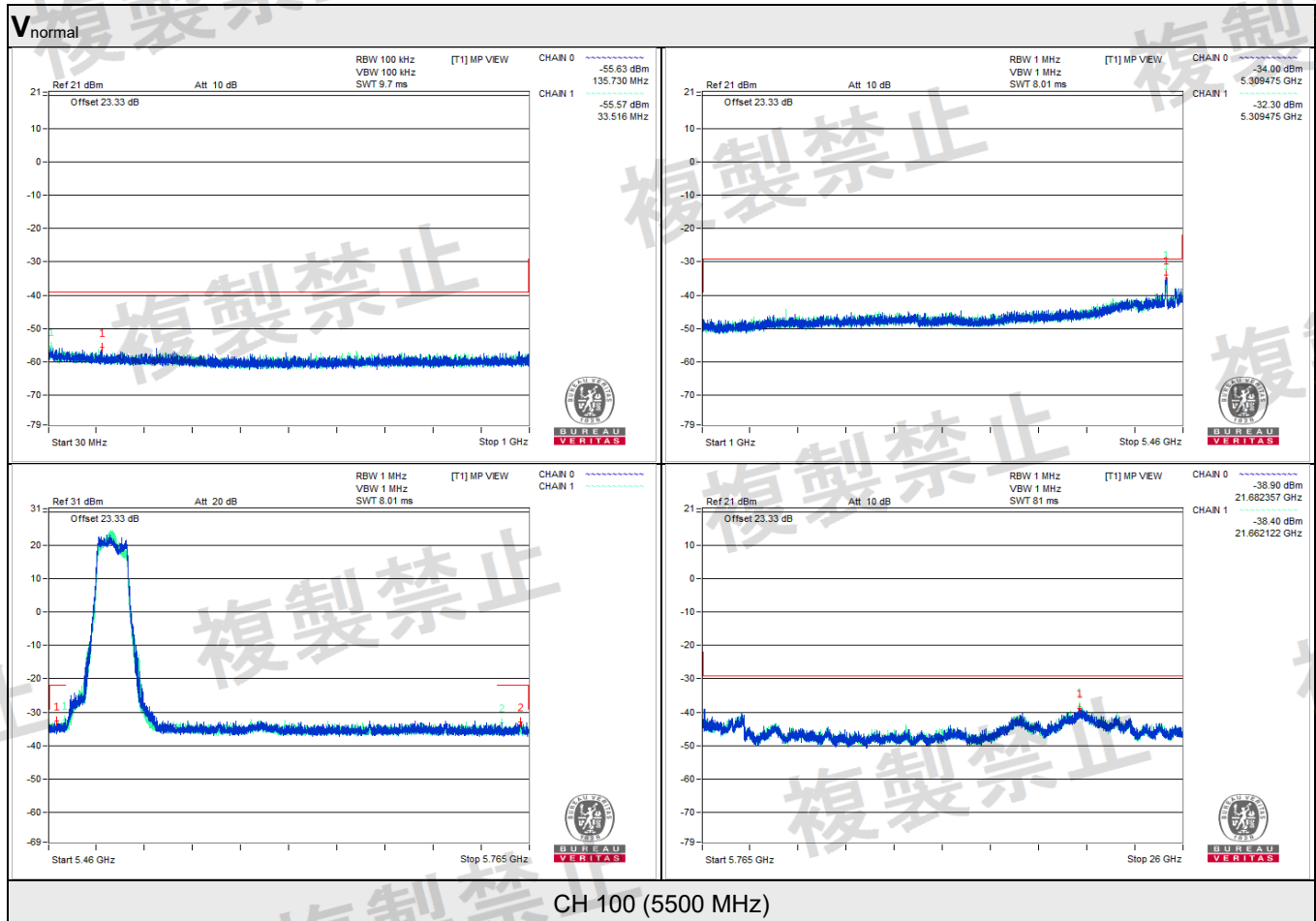
NOTE: 1. The spectrum plots are attached on the following pages.

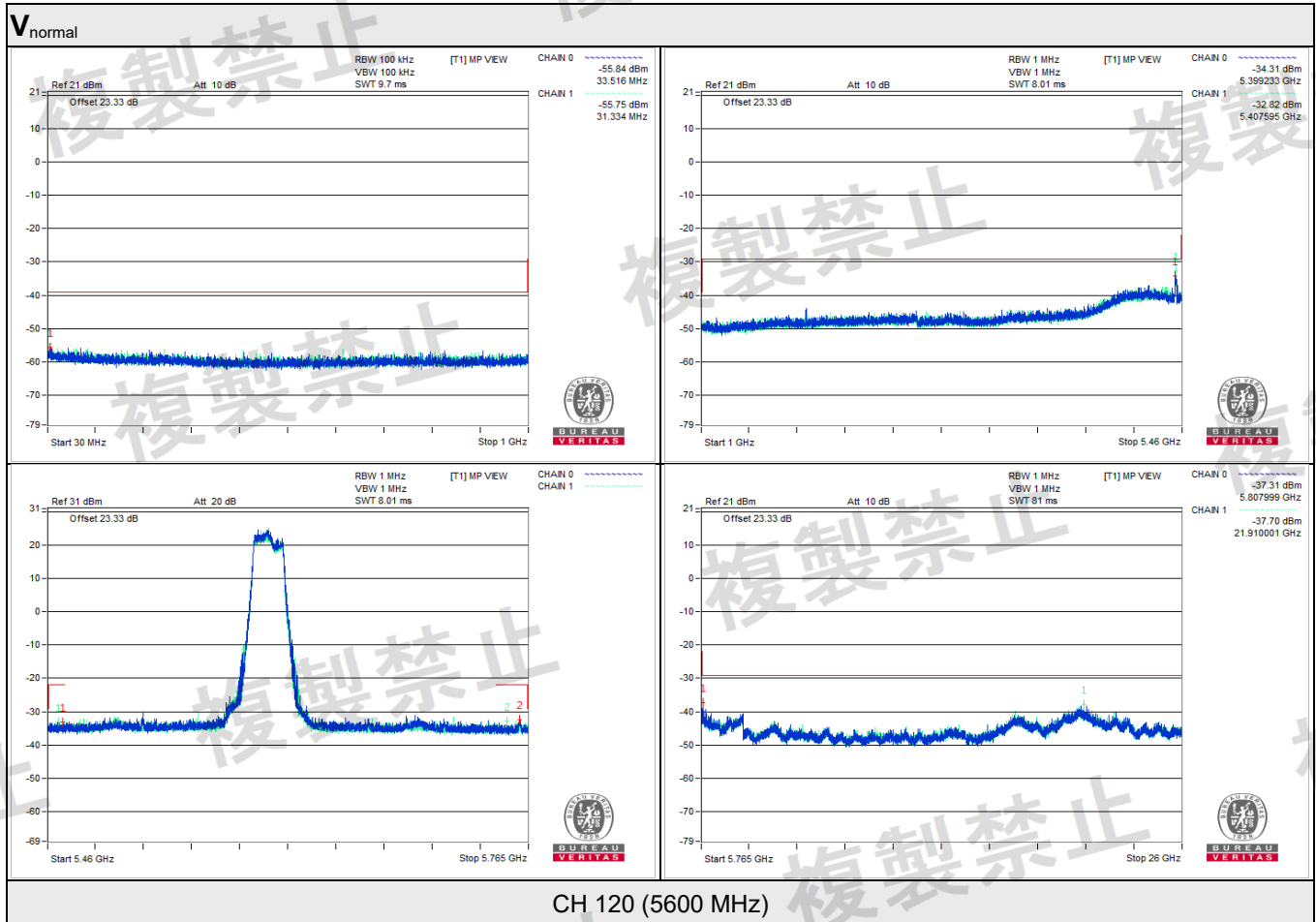
802.11be (EHT20) Chain 1: W56

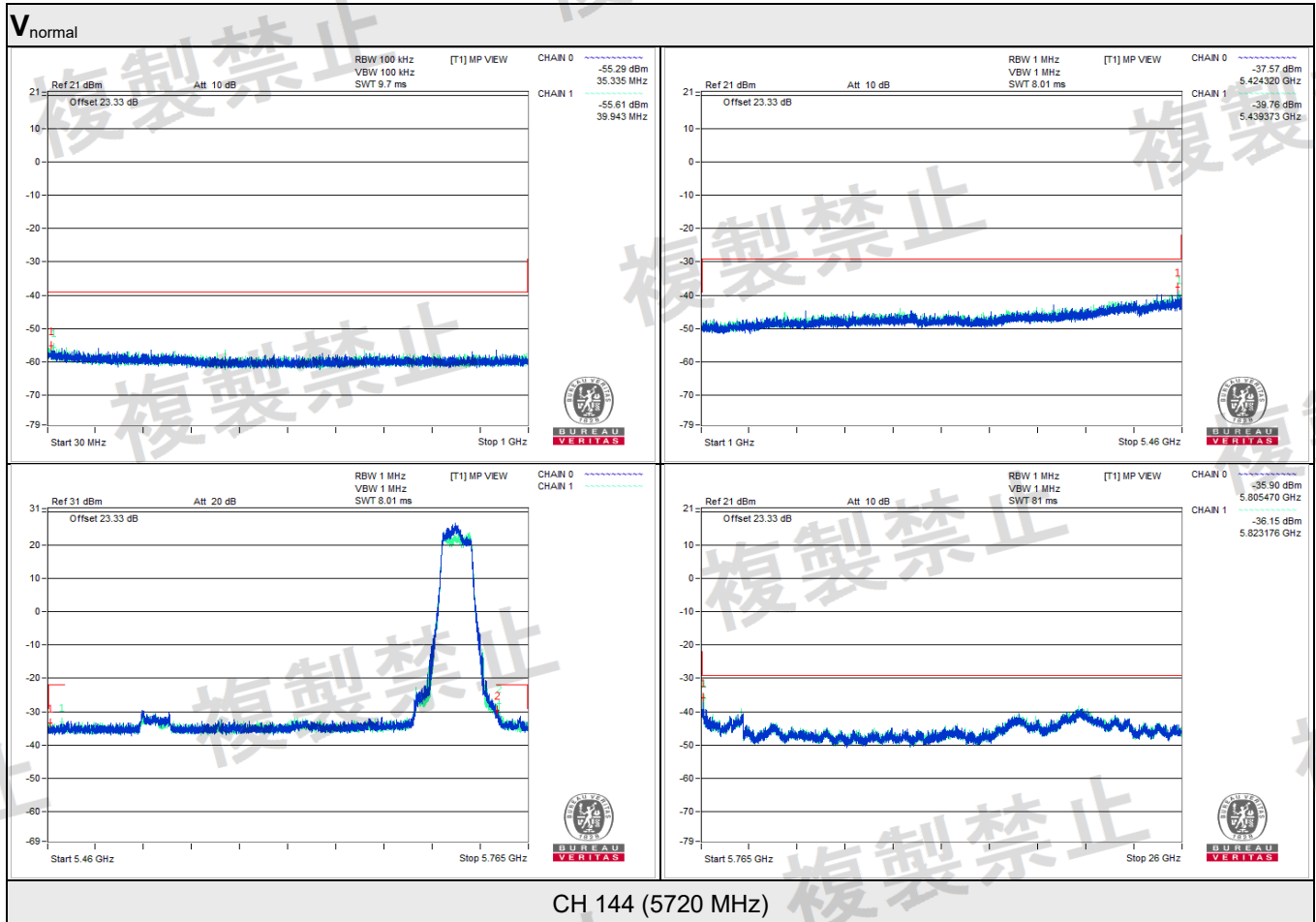
TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	33.516	0.002773 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5309.475	0.588844 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5469.874	0.572796 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5747.844	0.489779 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	21662.122	0.144544 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	31.334	0.002661 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5407.595	0.522396 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5466.443	0.483059 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5751.694	0.519996 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	21910.001	0.169824 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	39.943	0.002748 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5439.373	0.105682 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5468.769	0.469894 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5747.081	1.729816 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5823.176	0.242661 uW/MHz	1.25 uW/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

802.11be (EHT20) Graph: W56







802.11be (EHT20) [Worst result] x [Number of antenna ports]: W56

TEST CHANNEL		CH 100 (5500 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.005546 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	1.177688 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	1.145592 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	1.023364 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.289088 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V _{normal}	30.0 to 1000.0	0.005322 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	1.044792 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	0.981816 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	1.161528 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.371560 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V _{normal}	30.0 to 1000.0	0.005916 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.349970 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	0.939788 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	3.459632 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.514080 uW/MHz	2.5 uW/MHz	PASS

802.11be (EHT40) Chain 0: W56

TEST CHANNEL		CH 102 (5510 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	42.852	0.002979 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5458.885	0.502343 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5462.015	1.86638 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	5807.931	0.184077 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 118 (5590 MHz)			
V _{normal}	30.0 to 1000.0	35.456	0.002723 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5397.002	0.314775 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5461.356	0.676083 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	5807.931	0.17378 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 142 (5710 MHz)			
V _{normal}	30.0 to 1000.0	45.884	0.002323 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5424.877	0.177011 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5461.627	0.524807 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	5805.403	0.384592 uW/MHz	6.25 uW/MHz	PASS

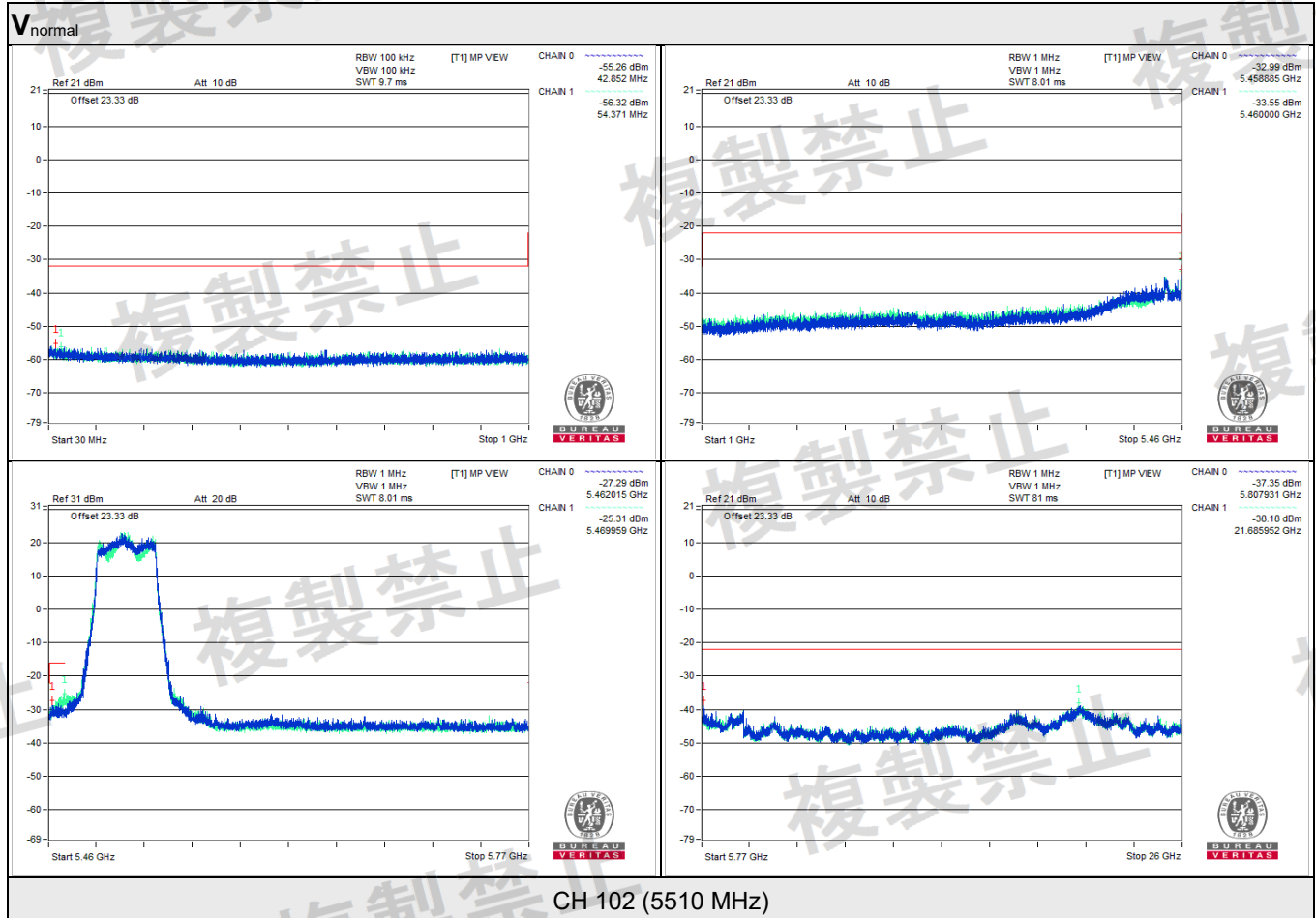
NOTE: 1. The spectrum plots are attached on the following pages.

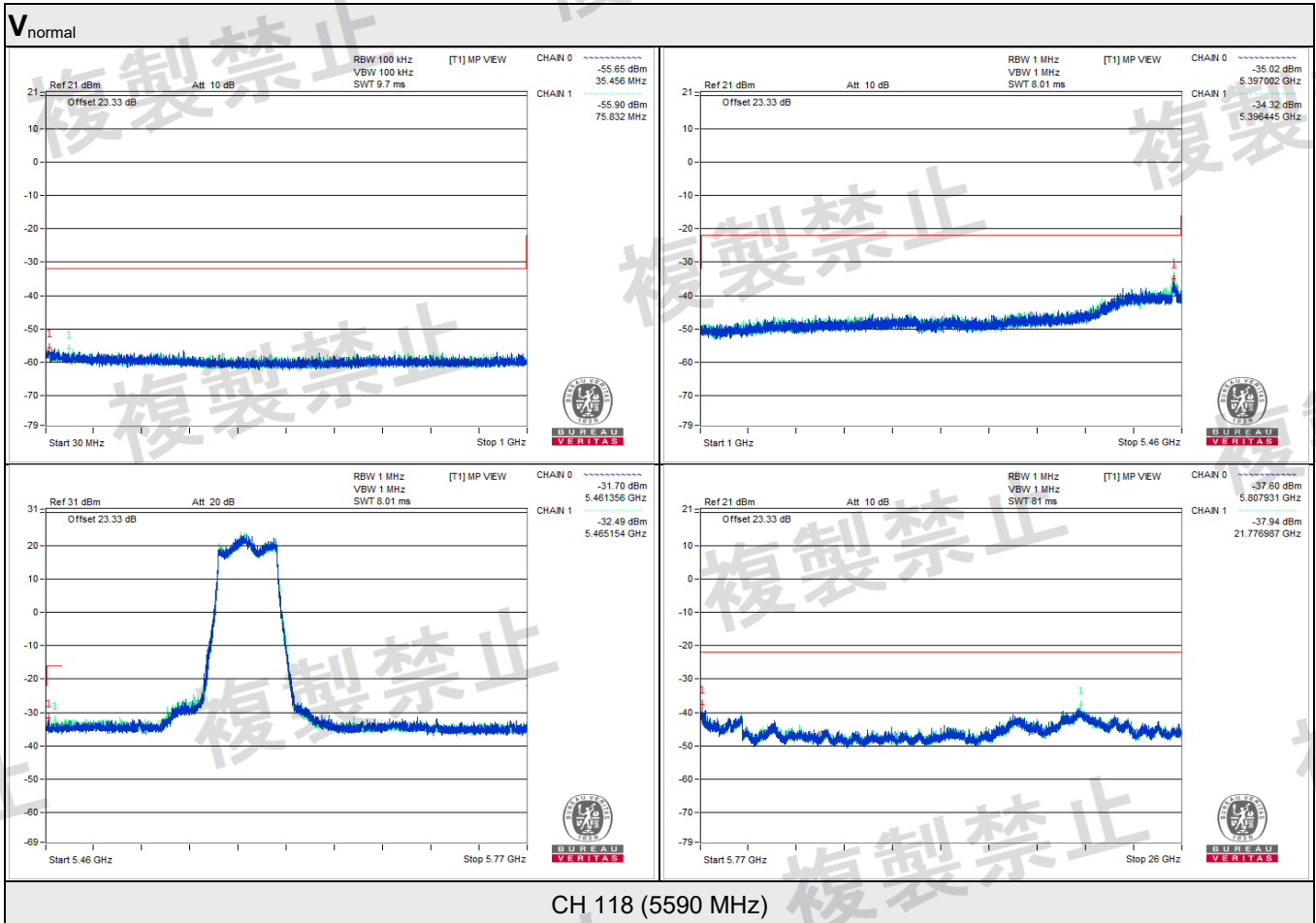
802.11be (EHT40) Chain 1: W56

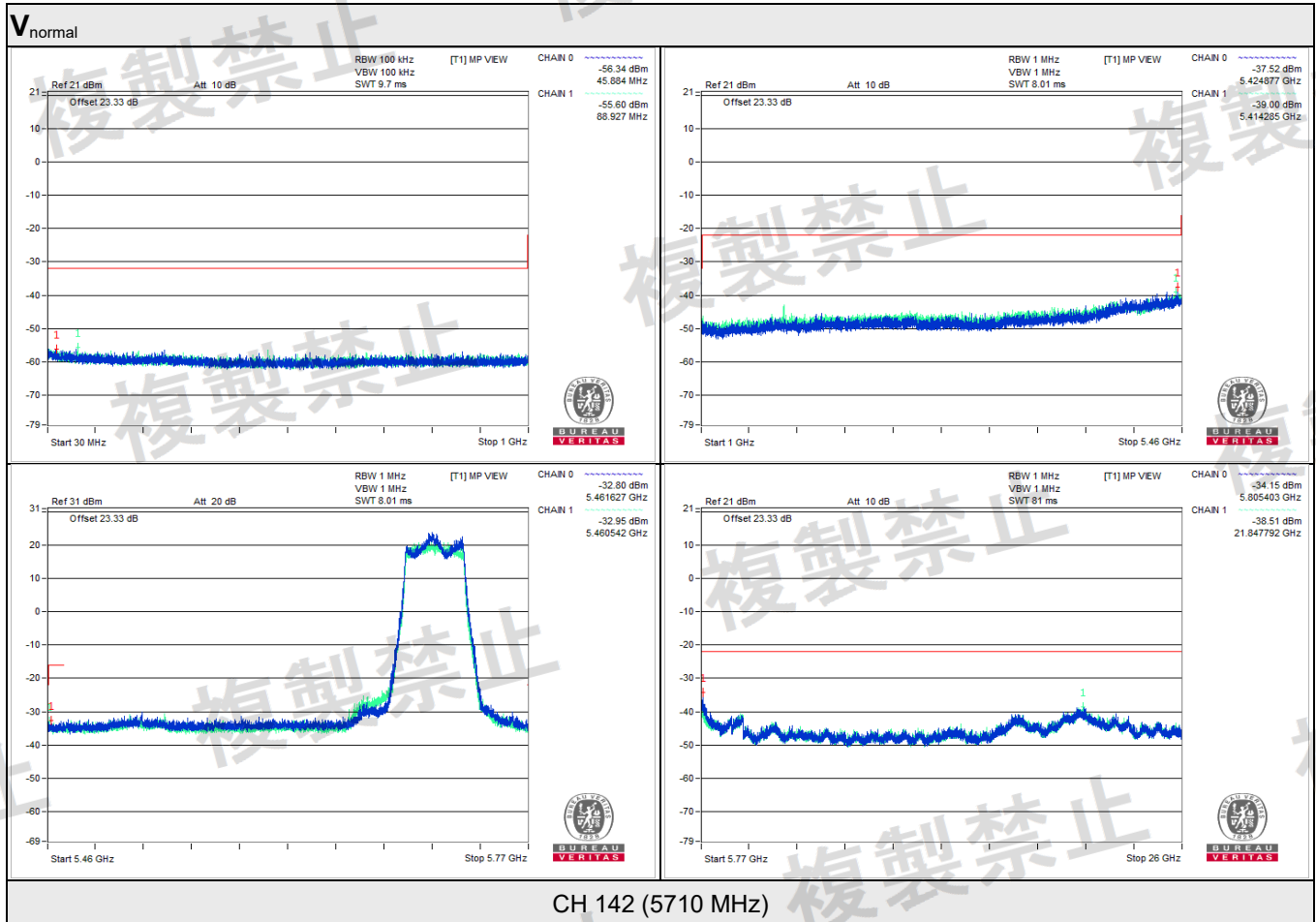
TEST CHANNEL		CH 102 (5510 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	54.371	0.002333 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5460.000	0.44157 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5469.959	2.944422 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	21685.952	0.152055 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 118 (5590 MHz)			
V _{normal}	30.0 to 1000.0	75.832	0.00257 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5396.445	0.369828 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5465.154	0.563638 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	21776.987	0.160694 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 142 (5710 MHz)			
V _{normal}	30.0 to 1000.0	88.927	0.002754 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5414.285	0.125893 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5460.542	0.506991 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	21847.792	0.140929 uW/MHz	6.25 uW/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

802.11be (EHT40) Graph: W56







802.11be (EHT40) [Worst result] x [Number of antenna ports]: W56

TEST CHANNEL		CH 102 (5510 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.005958 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	1.004686 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5470.0	5.888844 uW/MHz	50 uW/MHz	PASS
	5770.0 to 26000.0	0.368154 uW/MHz	12.5 uW/MHz	PASS
TEST CHANNEL		CH 118 (5590 MHz)		
V _{normal}	30.0 to 1000.0	0.005446 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.739656 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5470.0	1.352166 uW/MHz	50 uW/MHz	PASS
	5770.0 to 26000.0	0.347560 uW/MHz	12.5 uW/MHz	PASS
TEST CHANNEL		CH 142 (5710 MHz)		
V _{normal}	30.0 to 1000.0	0.005508 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.354022 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5470.0	1.049614 uW/MHz	50 uW/MHz	PASS
	5770.0 to 26000.0	0.769184 uW/MHz	12.5 uW/MHz	PASS

802.11be (EHT80) Chain 0: W56

TEST CHANNEL		CH 106 (5530 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	31.576	0.002377 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5458.885	0.568853 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5461.434	1.361445 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.881	1.032761 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	21799.746	0.160325 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 122 (5610 MHz)			
V _{normal}	30.0 to 1000.0	31.576	0.002399 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5424.877	0.269774 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5463.255	0.516416 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.533	0.386367 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	5805.403	0.16293 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 138 (5690 MHz)			
V _{normal}	30.0 to 1000.0	52.431	0.002512 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5424.320	0.236592 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5464.262	0.511682 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.804	0.463447 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	5807.931	0.267301 uW/MHz	6.25 uW/MHz	PASS

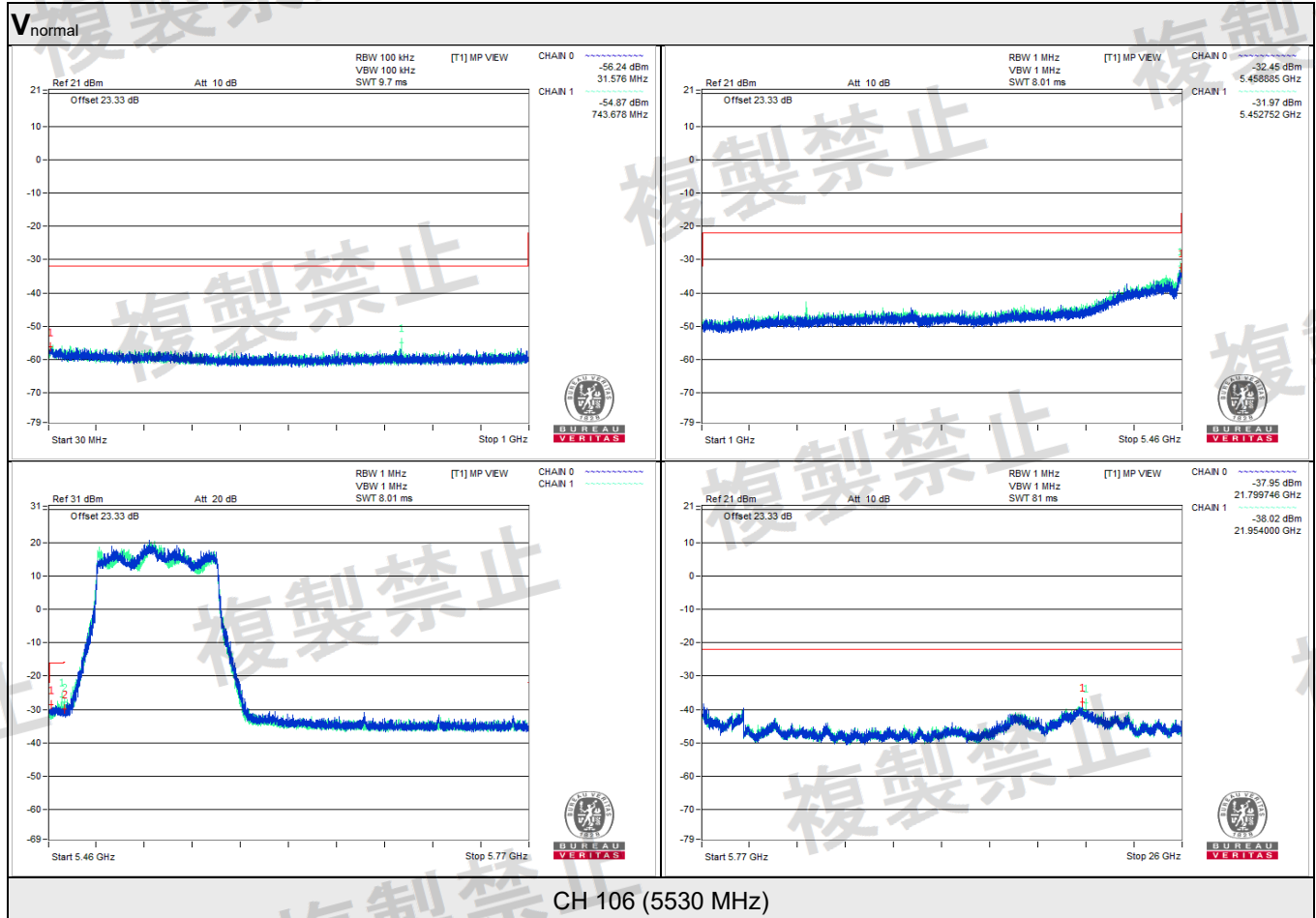
NOTE: 1. The spectrum plots are attached on the following pages.

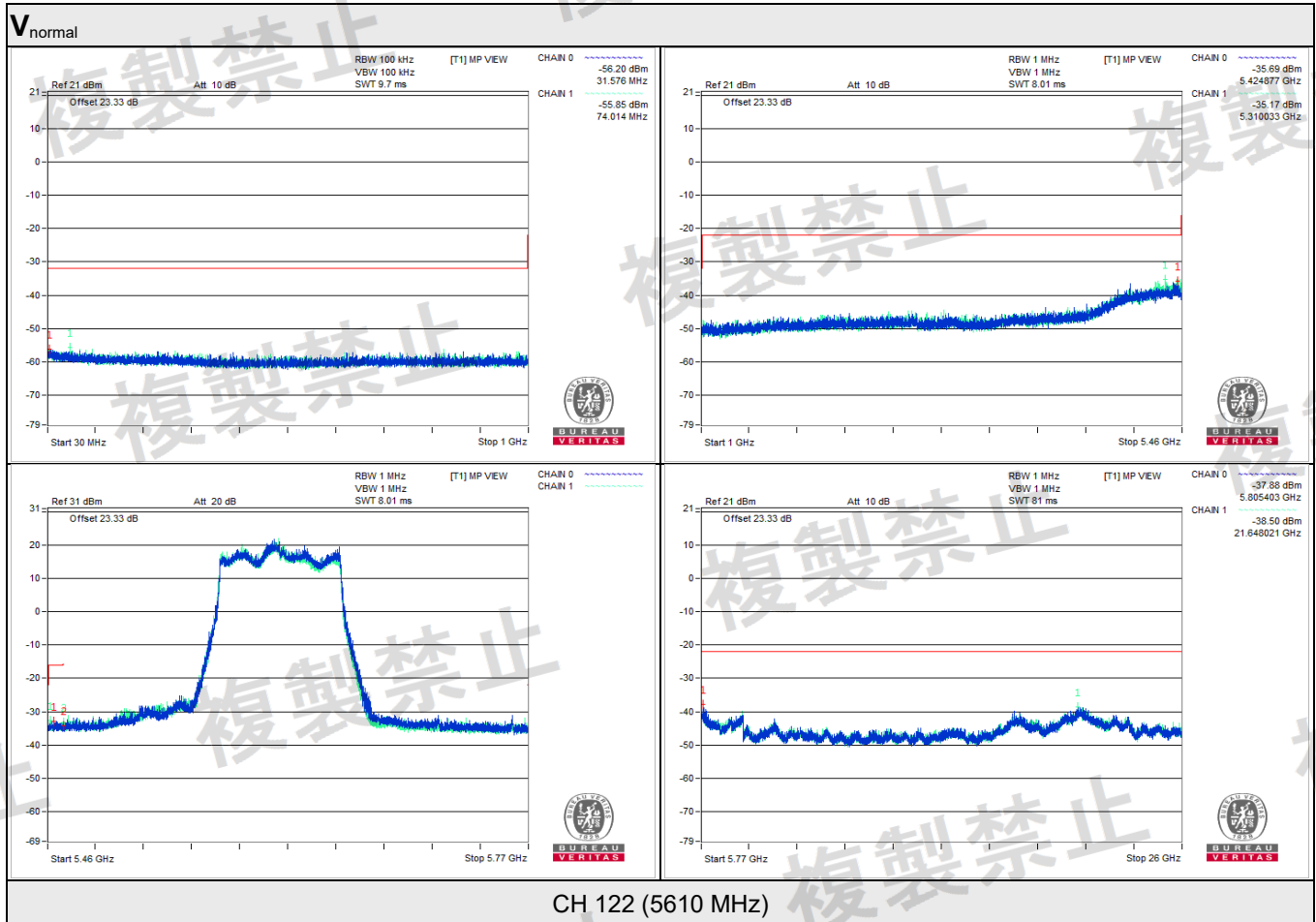
802.11be (EHT80) Chain 1: W56

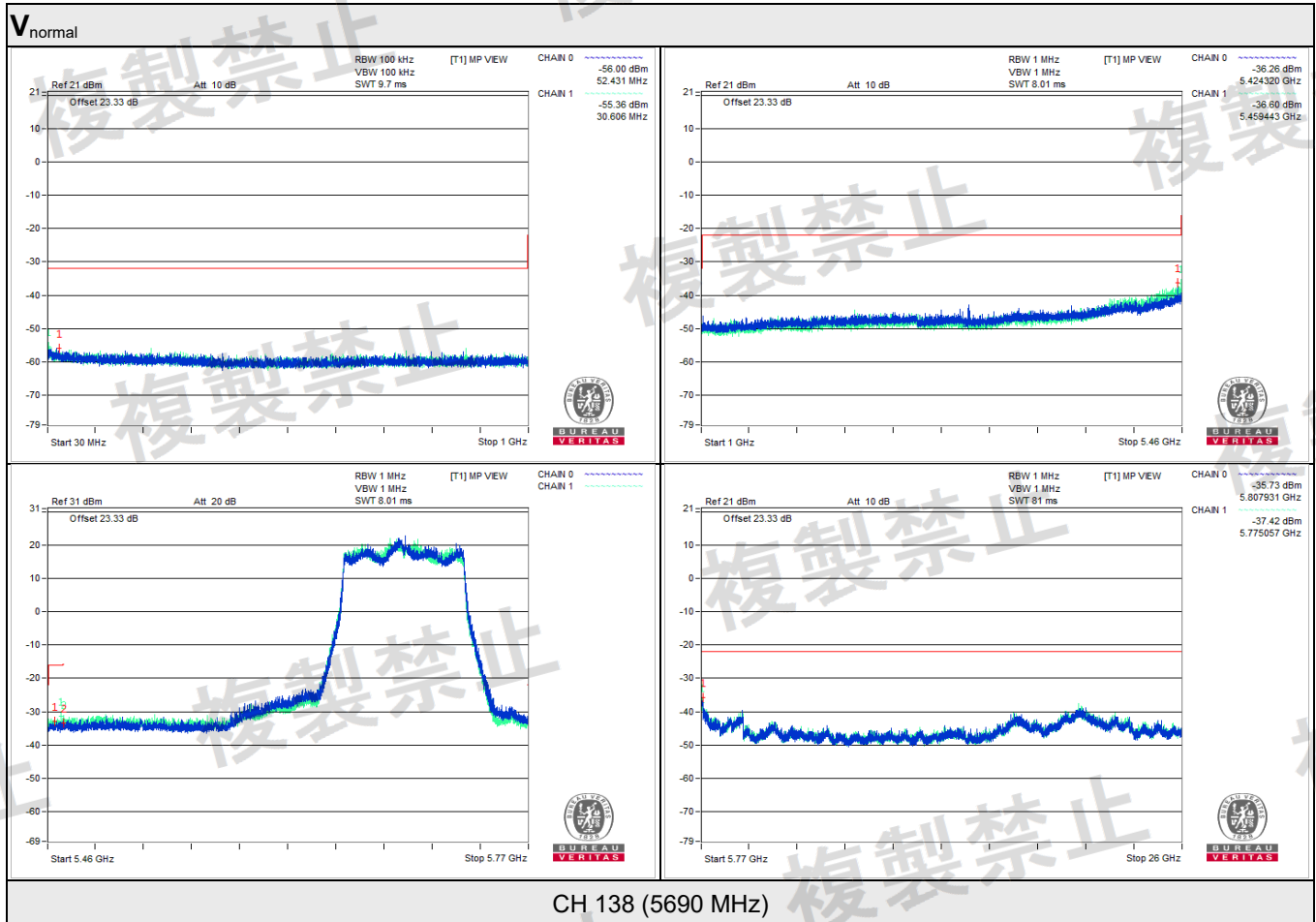
TEST CHANNEL		CH 106 (5530 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	743.678	0.003258 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5452.752	0.635331 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5467.828	2.393316 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.649	1.610646 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	21954.000	0.157761 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 122 (5610 MHz)			
V _{normal}	30.0 to 1000.0	74.014	0.0026 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5310.033	0.304089 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5461.395	0.548277 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.533	0.483059 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	21648.021	0.141254 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 138 (5690 MHz)			
V _{normal}	30.0 to 1000.0	30.606	0.002911 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5459.443	0.218776 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5468.099	0.726106 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.765	0.572796 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	5775.057	0.181134 uW/MHz	6.25 uW/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

802.11be (EHT80) Graph: W56







802.11be (EHT80) [Worst result] x [Number of antenna ports]: W56

TEST CHANNEL		CH 106 (5530 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.006516 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	1.270662 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5469.5	4.786632 uW/MHz	50 uW/MHz	PASS
	5469.5 to 5470.0	3.221292 uW/MHz	51.2 uW/MHz	PASS
	5770.0 to 26000.0	0.320650 uW/MHz	12.5 uW/MHz	PASS
TEST CHANNEL		CH 122 (5610 MHz)		
V _{normal}	30.0 to 1000.0	0.005200 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.608178 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5469.5	1.096554 uW/MHz	50 uW/MHz	PASS
	5469.5 to 5470.0	0.966118 uW/MHz	51.2 uW/MHz	PASS
	5770.0 to 26000.0	0.325860 uW/MHz	12.5 uW/MHz	PASS
TEST CHANNEL		CH 138 (5690 MHz)		
V _{normal}	30.0 to 1000.0	0.005822 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.473184 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5469.5	1.452212 uW/MHz	50 uW/MHz	PASS
	5469.5 to 5470.0	1.145592 uW/MHz	51.2 uW/MHz	PASS
	5770.0 to 26000.0	0.534602 uW/MHz	12.5 uW/MHz	PASS

802.11be (EHT160) Chain 0: W56

TEST CHANNEL		CH 114 (5570 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	84.562	0.00263 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5419.6	5359.383	1.678804 uW/MHz	6.25 uW/MHz	PASS
	5419.6 to 5470.0	5462.890	8.87156 uW/MHz	25 uW/MHz	PASS
	5725.0 to 26000.0	5745.275	0.275423 uW/MHz	6.25 uW/MHz	PASS

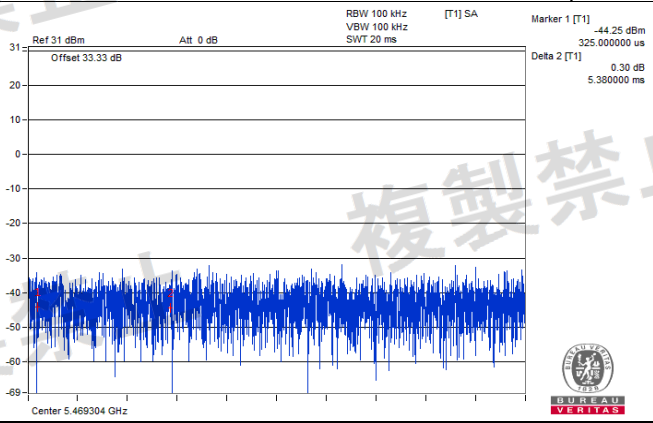
NOTE: 1. The spectrum plots are attached on the following pages.

802.11be (EHT160) Chain 1: W56

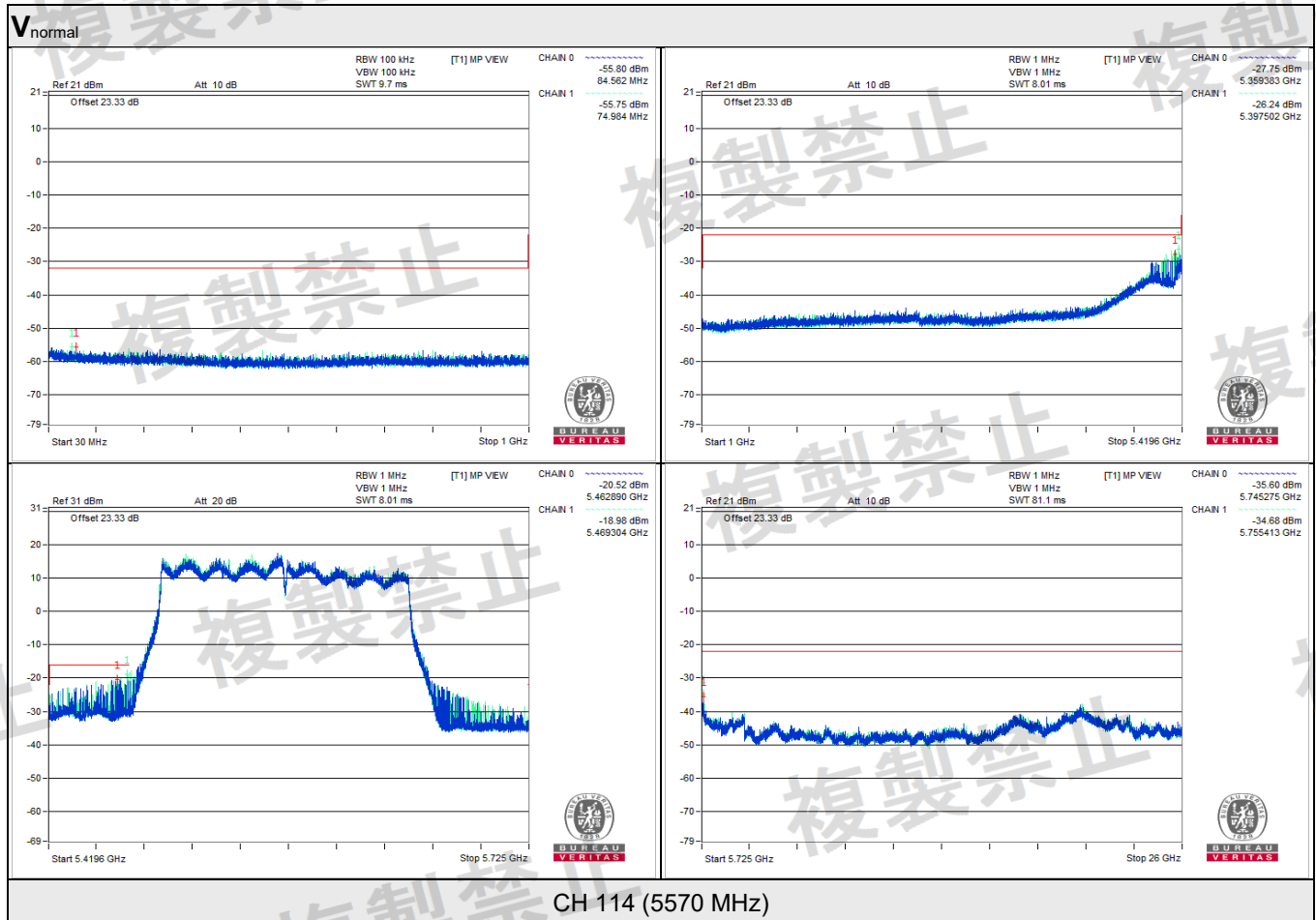
TEST CHANNEL		CH 114 (5570 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	74.984	0.002661 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5419.6	5397.502	2.37684 uW/MHz	6.25 uW/MHz	PASS
	5419.6 to 5470.0	5469.304	0.066841 uW/MHz	25 uW/MHz	PASS(1)
	5725.0 to 26000.0	5755.413	0.340408 uW/MHz	6.25 uW/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

2. (No.): The value was tested under Measuring Mode *Zero Span.

Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the "dBm" value into "uW" value. 3. It adds the all values and calculates a grand total. Define a grand total as "P". 4. It divides "P" by sample data point (>400) and calculates the mean value. 5. It reports the mean value. 6. This test value includes the RBW conversion compensation (use a low bandwidth converted to 1 MHz.)					
					
1	5469.304MHz	P = 0.066841 uW/MHz(6)			

802.11be (EHT160) Graph: W56



802.11be (EHT160) [Worst result] x [Number of antenna ports]: W56

TEST CHANNEL		CH 114 (5570 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.005322 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5419.6	4.753680 uW/MHz	12.5 uW/MHz	PASS
	5419.6 to 5470.0	17.743120 uW/MHz	50 uW/MHz	PASS
	5725.0 to 26000.0	0.680816 uW/MHz	12.5 uW/MHz	PASS

7.4 Spurious Emissions of Receiver

Environmental Conditions:	25°C, 65% RH	Tested By:	Wayne Lin
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External Antenna (Mode A)

20 MHz System Chain 0

TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	32.061	0.015171	2	PASS
	1000.0 to 26000.0	21731.250	0.74131	10	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	35.456	0.014689	2	PASS
	1000.0 to 26000.0	21143.750	0.672977	10	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	34.850	0.01714	2	PASS
	1000.0 to 26000.0	21718.750	0.648634	10	PASS

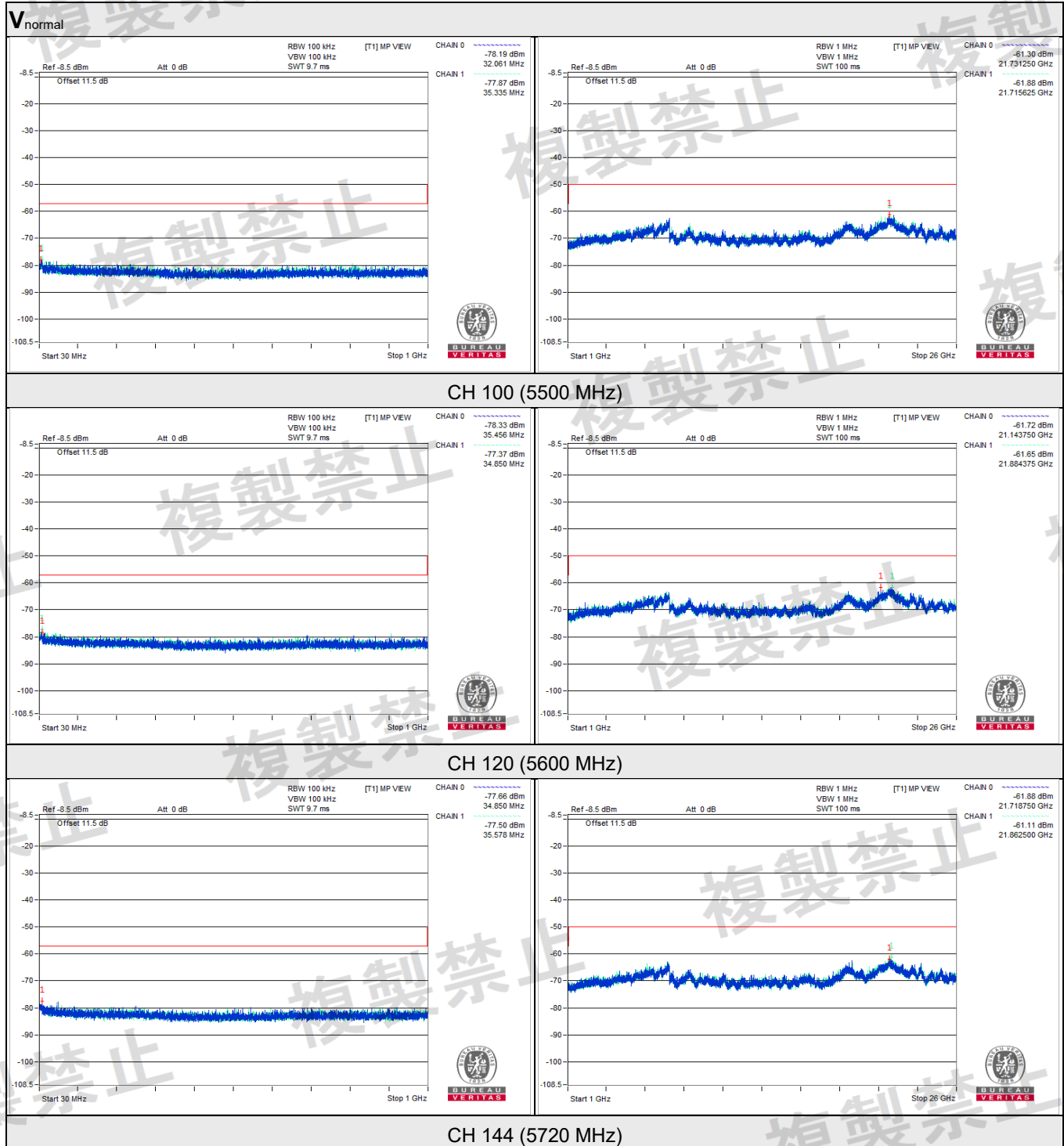
NOTE: 1. The spectrum plots are attached on the following pages.

20 MHz System Chain 1

TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	35.335	0.016331	2	PASS
	1000.0 to 26000.0	21715.625	0.648634	10	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	34.850	0.018323	2	PASS
	1000.0 to 26000.0	21884.375	0.683912	10	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	35.578	0.017783	2	PASS
	1000.0 to 26000.0	21862.500	0.774462	10	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

20 MHz System Graph



20 MHz System Sum of each Chain

TEST CHANNEL		CH 100 (5500 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	0.031502	4	PASS
	1000.0 to 26000.0	1.389944	20	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V _{normal}	30.0 to 1000.0	0.033012	4	PASS
	1000.0 to 26000.0	1.356889	20	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V _{normal}	30.0 to 1000.0	0.034923	4	PASS
	1000.0 to 26000.0	1.423096	20	PASS

40 MHz System Chain 0

TEST CHANNEL		CH 102 (5510 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	43.095	0.015417	2	PASS
	1000.0 to 26000.0	21790.625	0.656145	10	PASS
TEST CHANNEL		CH 118 (5590 MHz)			
V _{normal}	30.0 to 1000.0	47.945	0.019724	2	PASS
	1000.0 to 26000.0	21743.750	0.648634	10	PASS
TEST CHANNEL		CH 142 (5710 MHz)			
V _{normal}	30.0 to 1000.0	31.698	0.019055	2	PASS
	1000.0 to 26000.0	21912.500	0.674528	10	PASS

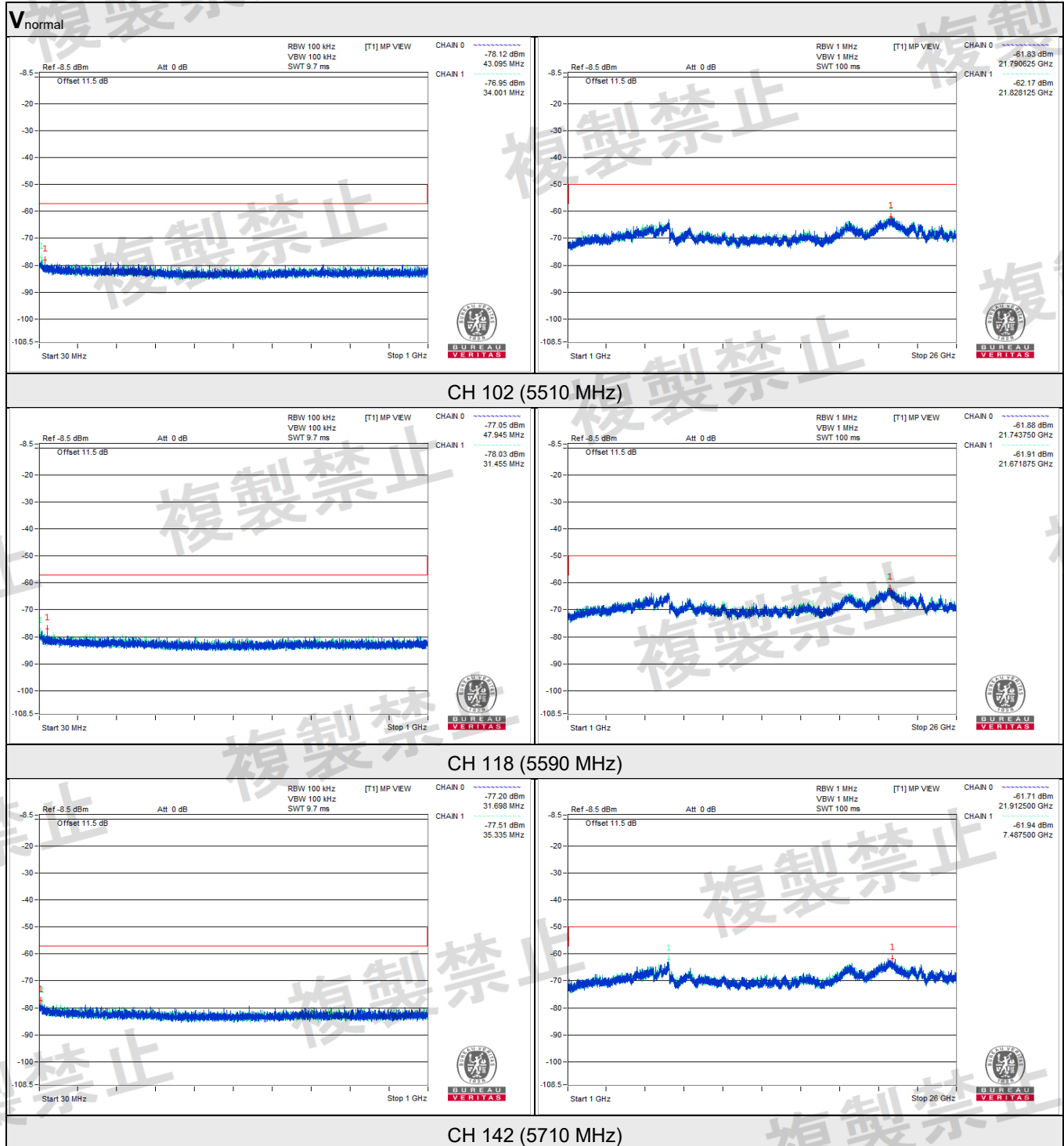
NOTE: 1. The spectrum plots are attached on the following pages.

40 MHz System Chain 1

TEST CHANNEL		CH 102 (5510 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	34.001	0.020184	2	PASS
	1000.0 to 26000.0	21828.125	0.606736	10	PASS
TEST CHANNEL		CH 118 (5590 MHz)			
V _{normal}	30.0 to 1000.0	31.455	0.01574	2	PASS
	1000.0 to 26000.0	21671.875	0.644169	10	PASS
TEST CHANNEL		CH 142 (5710 MHz)			
V _{normal}	30.0 to 1000.0	35.335	0.017742	2	PASS
	1000.0 to 26000.0	7487.500	0.639735	10	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

40 MHz System Graph



40 MHz System Sum of each Chain

TEST CHANNEL		CH 102 (5510 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	0.035601	4	PASS
	1000.0 to 26000.0	1.262881	20	PASS
TEST CHANNEL		CH 118 (5590 MHz)		
V _{normal}	30.0 to 1000.0	0.035464	4	PASS
	1000.0 to 26000.0	1.292803	20	PASS
TEST CHANNEL		CH 142 (5710 MHz)		
V _{normal}	30.0 to 1000.0	0.036797	4	PASS
	1000.0 to 26000.0	1.314263	20	PASS

80 MHz System Chain 0

TEST CHANNEL		CH 106 (5530 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	35.214	0.015959	2	PASS
	1000.0 to 26000.0	21737.500	0.701455	10	PASS
TEST CHANNEL		CH 122 (5610 MHz)			
V _{normal}	30.0 to 1000.0	33.880	0.019498	2	PASS
	1000.0 to 26000.0	21771.875	0.645654	10	PASS
TEST CHANNEL		CH 138 (5690 MHz)			
V _{normal}	30.0 to 1000.0	30.121	0.019099	2	PASS
	1000.0 to 26000.0	21646.875	0.803526	10	PASS

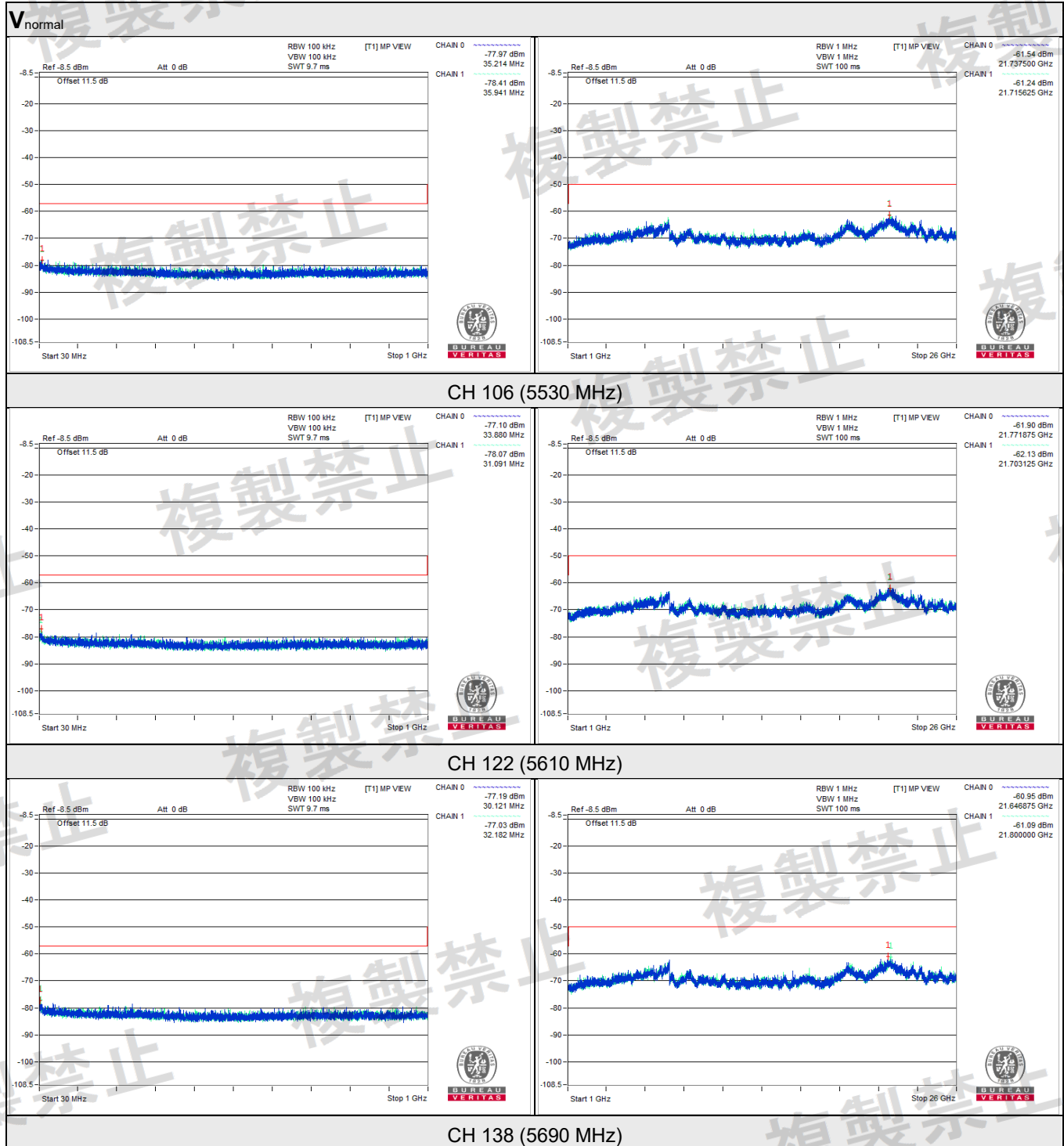
NOTE: 1. The spectrum plots are attached on the following pages.

80 MHz System Chain 1

TEST CHANNEL		CH 106 (5530 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	35.941	0.014421	2	PASS
	1000.0 to 26000.0	21715.625	0.751623	10	PASS
TEST CHANNEL		CH 122 (5610 MHz)			
V _{normal}	30.0 to 1000.0	31.091	0.015596	2	PASS
	1000.0 to 26000.0	21703.125	0.61235	10	PASS
TEST CHANNEL		CH 138 (5690 MHz)			
V _{normal}	30.0 to 1000.0	32.182	0.019815	2	PASS
	1000.0 to 26000.0	21800.000	0.778037	10	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

80 MHz System Graph



80 MHz System Sum of each Chain

TEST CHANNEL		CH 106 (5530 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	0.030380	4	PASS
	1000.0 to 26000.0	1.453078	20	PASS
TEST CHANNEL		CH 122 (5610 MHz)		
V _{normal}	30.0 to 1000.0	0.035094	4	PASS
	1000.0 to 26000.0	1.258004	20	PASS
TEST CHANNEL		CH 138 (5690 MHz)		
V _{normal}	30.0 to 1000.0	0.038914	4	PASS
	1000.0 to 26000.0	1.581563	20	PASS

160 MHz System Chain 0

TEST CHANNEL		CH 114 (5570 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V_{normal}	30.0 to 1000.0	34.850	0.017539	2	PASS
	1000.0 to 26000.0	21306.250	0.698232	10	PASS

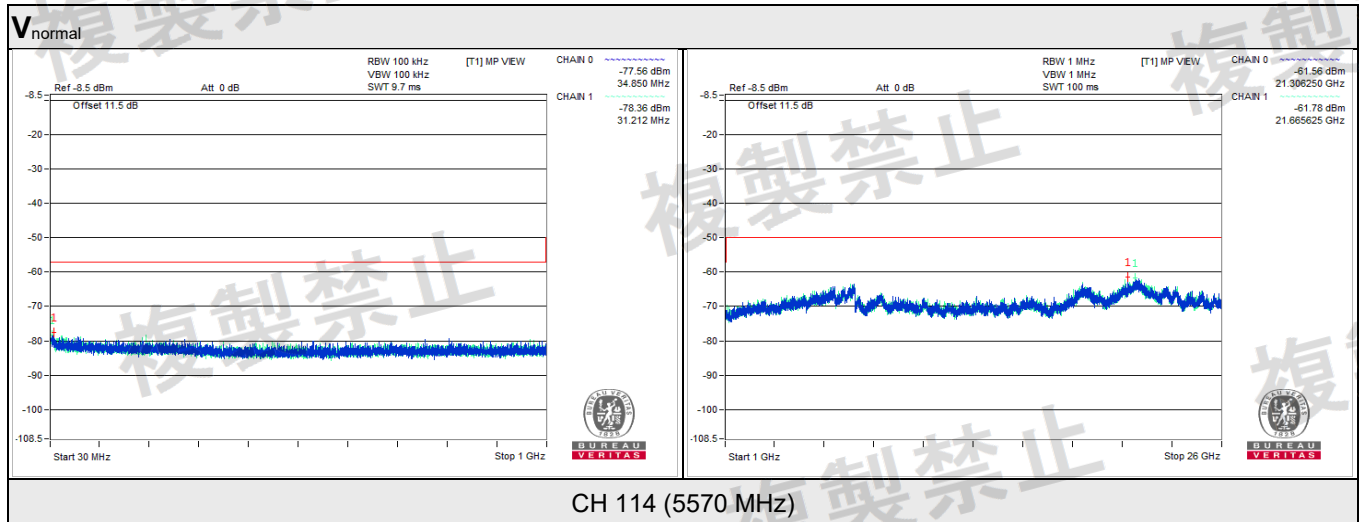
NOTE: 1. The spectrum plots are attached on the following pages.

160 MHz System Chain 1

TEST CHANNEL		CH 114 (5570 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V_{normal}	30.0 to 1000.0	31.212	0.014588	2	PASS
	1000.0 to 26000.0	21665.625	0.663743	10	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

160 MHz System Graph



160 MHz System Sum of each Chain

TEST CHANNEL		CH 114 (5570 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	0.032127	4	PASS
	1000.0 to 26000.0	1.361975	20	PASS

Internal Antenna (Mode B)

20 MHz System Chain 0

TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	33.274	0.018578	2	PASS
	1000.0 to 26000.0	21706.250	0.776247	10	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	34.850	0.015631	2	PASS
	1000.0 to 26000.0	21775.000	0.717794	10	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	33.880	0.015031	2	PASS
	1000.0 to 26000.0	21665.625	0.74817	10	PASS

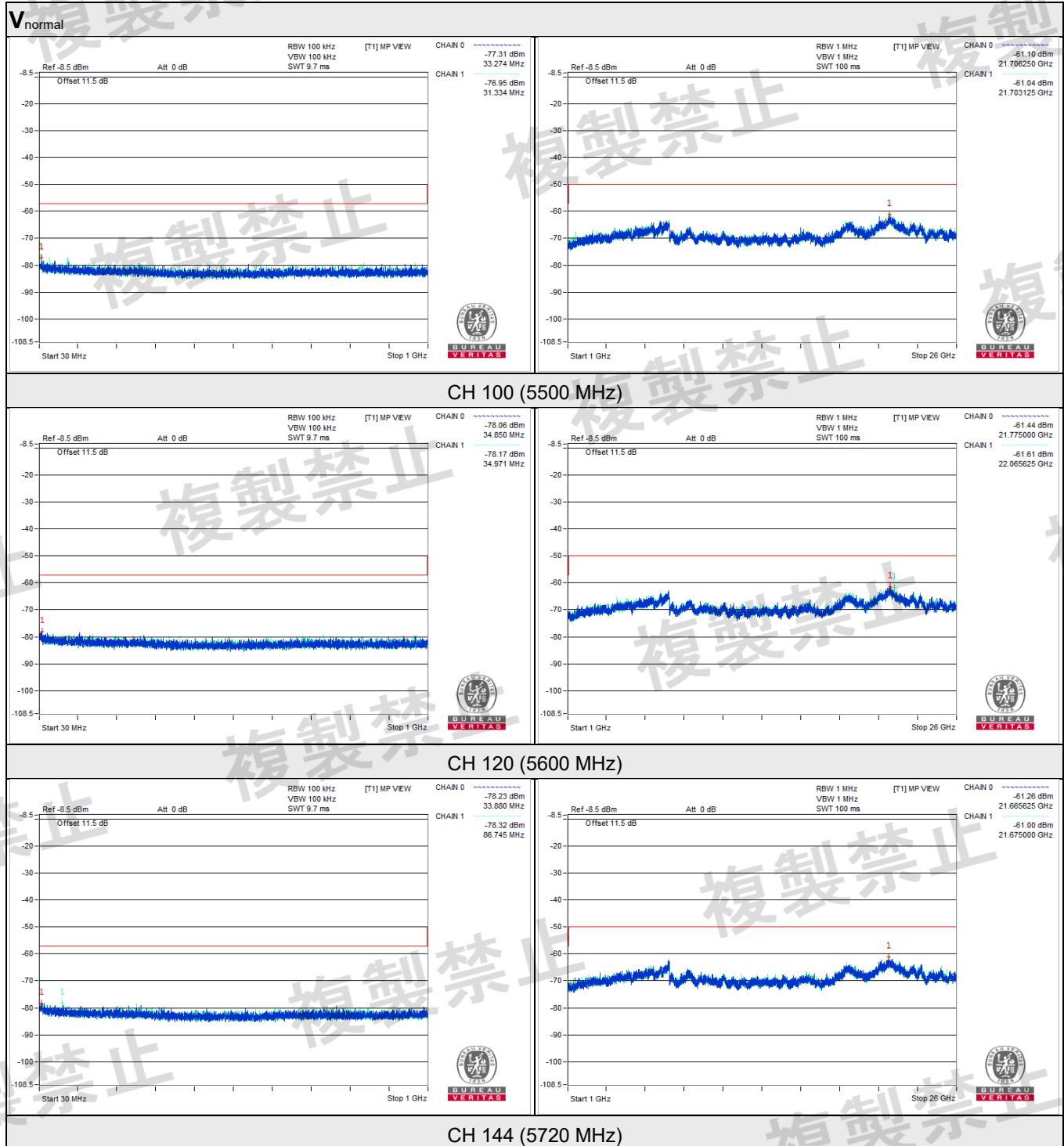
NOTE: 1. The spectrum plots are attached on the following pages.

20 MHz System Chain 1

TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	31.334	0.020184	2	PASS
	1000.0 to 26000.0	21703.125	0.787046	10	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	34.971	0.015241	2	PASS
	1000.0 to 26000.0	22065.625	0.69024	10	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	86.745	0.014723	2	PASS
	1000.0 to 26000.0	21675.000	0.794328	10	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

20 MHz System Graph



20 MHz System Sum of each Chain

TEST CHANNEL		CH 100 (5500 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	0.038762	4	PASS
	1000.0 to 26000.0	1.563293	20	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V _{normal}	30.0 to 1000.0	0.030872	4	PASS
	1000.0 to 26000.0	1.408034	20	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V _{normal}	30.0 to 1000.0	0.029754	4	PASS
	1000.0 to 26000.0	1.542498	20	PASS

20 MHz System Chain 0

TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	46.854	0.015488	2	PASS
	1000.0 to 26000.0	21690.625	0.731139	10	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	50.006	0.016827	2	PASS
	1000.0 to 26000.0	21675.000	0.724436	10	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	30.727	0.021429	2	PASS
	1000.0 to 26000.0	21637.500	0.69024	10	PASS

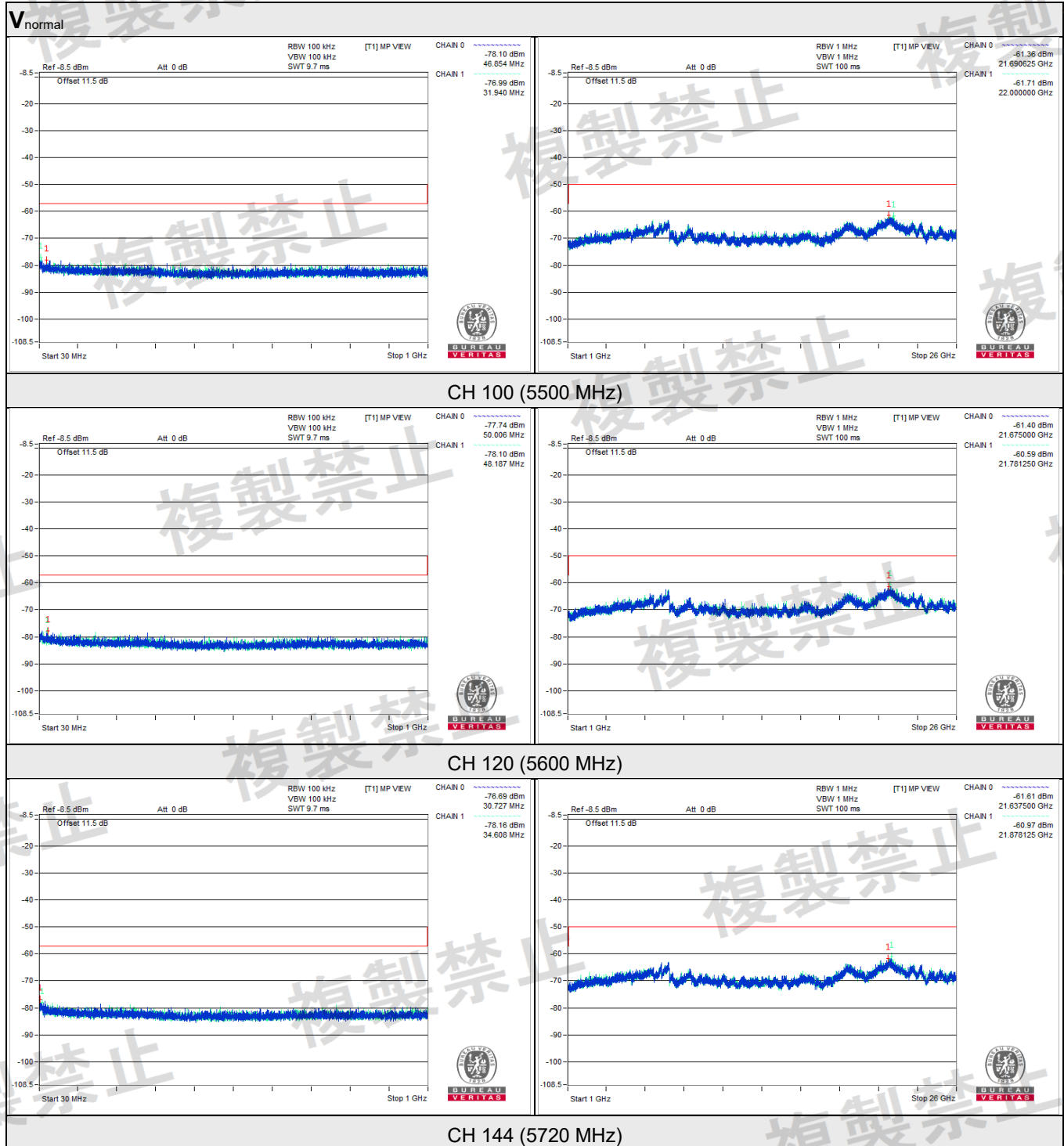
NOTE: 1. The spectrum plots are attached on the following pages.

20 MHz System Chain 1

TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	31.940	0.019999	2	PASS
	1000.0 to 26000.0	22000.000	0.674528	10	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	48.187	0.015488	2	PASS
	1000.0 to 26000.0	21781.250	0.872971	10	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	34.608	0.015276	2	PASS
	1000.0 to 26000.0	21878.125	0.799834	10	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

20 MHz System Graph



20 MHz System Sum of each Chain

TEST CHANNEL		CH 100 (5500 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	0.035487	4	PASS
	1000.0 to 26000.0	1.405667	20	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V _{normal}	30.0 to 1000.0	0.032315	4	PASS
	1000.0 to 26000.0	1.597407	20	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V _{normal}	30.0 to 1000.0	0.036705	4	PASS
	1000.0 to 26000.0	1.490074	20	PASS

40 MHz System Chain 0

TEST CHANNEL		CH 102 (5510 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	35.214	0.014322	2	PASS
	1000.0 to 26000.0	21768.750	0.721107	10	PASS
TEST CHANNEL		CH 118 (5590 MHz)			
V _{normal}	30.0 to 1000.0	35.456	0.016634	2	PASS
	1000.0 to 26000.0	21681.250	0.74131	10	PASS
TEST CHANNEL		CH 142 (5710 MHz)			
V _{normal}	30.0 to 1000.0	34.971	0.018408	2	PASS
	1000.0 to 26000.0	21778.125	0.610942	10	PASS

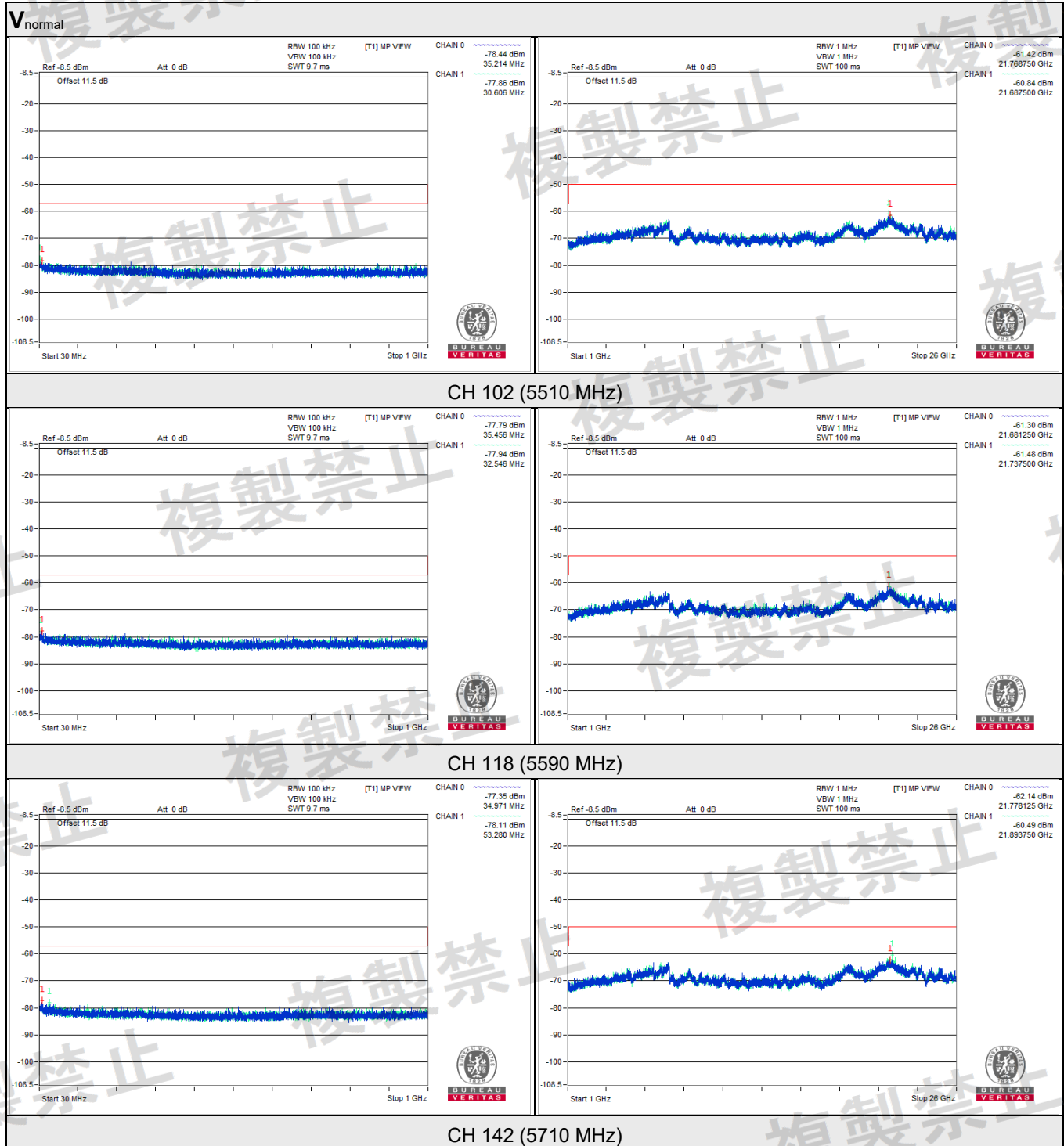
NOTE: 1. The spectrum plots are attached on the following pages.

40 MHz System Chain 1

TEST CHANNEL		CH 102 (5510 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	30.606	0.016368	2	PASS
	1000.0 to 26000.0	21687.500	0.824138	10	PASS
TEST CHANNEL		CH 118 (5590 MHz)			
V _{normal}	30.0 to 1000.0	32.546	0.016069	2	PASS
	1000.0 to 26000.0	21737.500	0.711214	10	PASS
TEST CHANNEL		CH 142 (5710 MHz)			
V _{normal}	30.0 to 1000.0	53.280	0.015453	2	PASS
	1000.0 to 26000.0	21893.750	0.893305	10	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

40 MHz System Graph



40 MHz System Sum of each Chain

TEST CHANNEL		CH 102 (5510 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	0.030690	4	PASS
	1000.0 to 26000.0	1.545245	20	PASS
TEST CHANNEL		CH 118 (5590 MHz)		
V _{normal}	30.0 to 1000.0	0.032703	4	PASS
	1000.0 to 26000.0	1.452524	20	PASS
TEST CHANNEL		CH 142 (5710 MHz)		
V _{normal}	30.0 to 1000.0	0.033861	4	PASS
	1000.0 to 26000.0	1.504247	20	PASS

80 MHz System Chain 0

TEST CHANNEL		CH 106 (5530 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	31.940	0.015031	2	PASS
	1000.0 to 26000.0	21656.250	0.827942	10	PASS
TEST CHANNEL		CH 122 (5610 MHz)			
V _{normal}	30.0 to 1000.0	34.729	0.016866	2	PASS
	1000.0 to 26000.0	21181.250	0.767361	10	PASS
TEST CHANNEL		CH 138 (5690 MHz)			
V _{normal}	30.0 to 1000.0	30.000	0.015346	2	PASS
	1000.0 to 26000.0	21700.000	0.787046	10	PASS

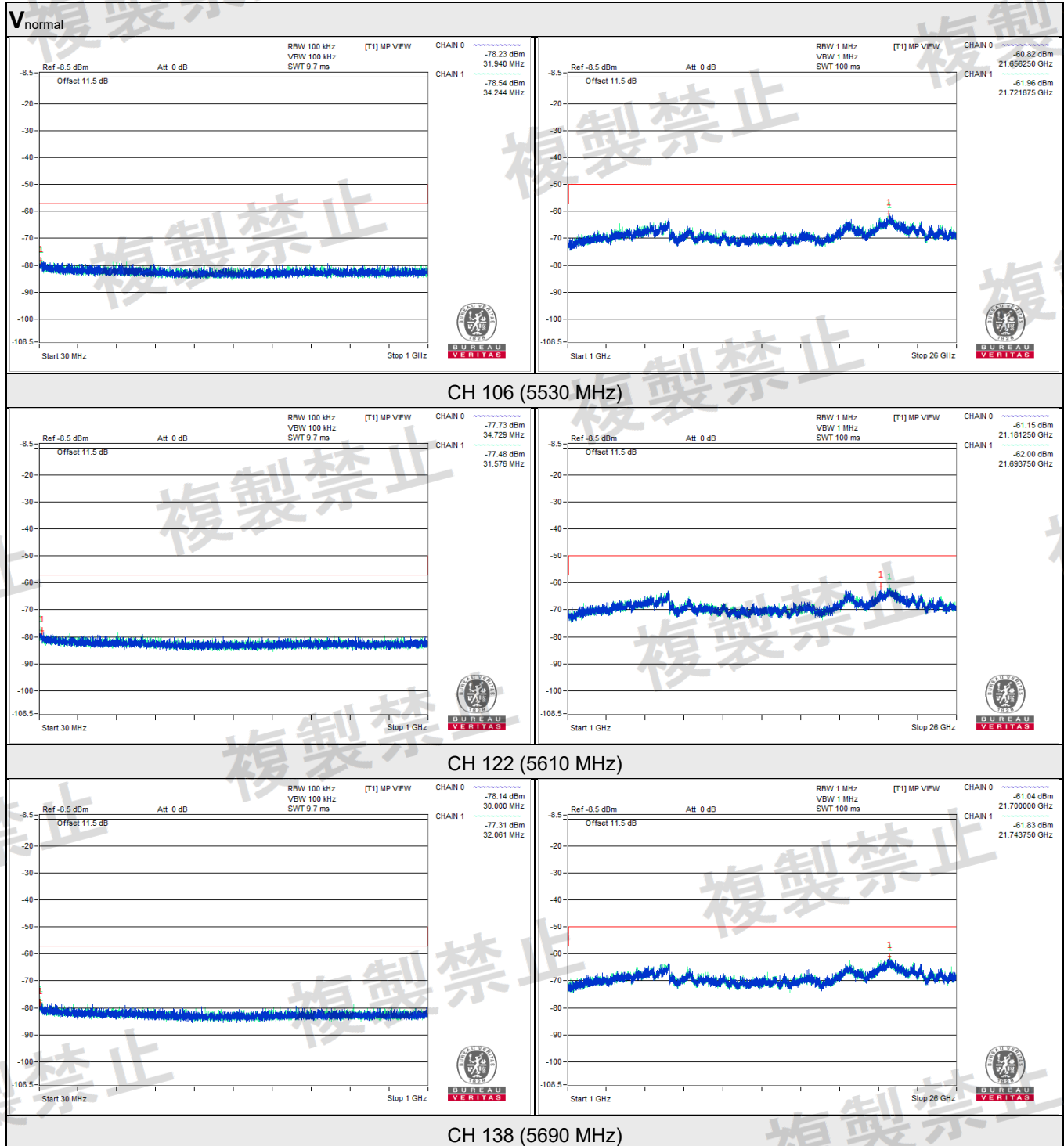
NOTE: 1. The spectrum plots are attached on the following pages.

80 MHz System Chain 1

TEST CHANNEL		CH 106 (5530 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	34.244	0.013996	2	PASS
	1000.0 to 26000.0	21721.875	0.636796	10	PASS
TEST CHANNEL		CH 122 (5610 MHz)			
V _{normal}	30.0 to 1000.0	31.576	0.017865	2	PASS
	1000.0 to 26000.0	21693.750	0.630957	10	PASS
TEST CHANNEL		CH 138 (5690 MHz)			
V _{normal}	30.0 to 1000.0	32.061	0.018578	2	PASS
	1000.0 to 26000.0	21743.750	0.656145	10	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

80 MHz System Graph



80 MHz System Sum of each Chain

TEST CHANNEL		CH 106 (5530 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	0.029027	4	PASS
	1000.0 to 26000.0	1.464738	20	PASS
TEST CHANNEL		CH 122 (5610 MHz)		
V _{normal}	30.0 to 1000.0	0.034731	4	PASS
	1000.0 to 26000.0	1.398318	20	PASS
TEST CHANNEL		CH 138 (5690 MHz)		
V _{normal}	30.0 to 1000.0	0.033924	4	PASS
	1000.0 to 26000.0	1.443191	20	PASS

160 MHz System Chain 0

TEST CHANNEL		CH 114 (5570 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V_{normal}	30.0 to 1000.0	31.334	0.015417	2	PASS
	1000.0 to 26000.0	21659.375	0.805378	10	PASS

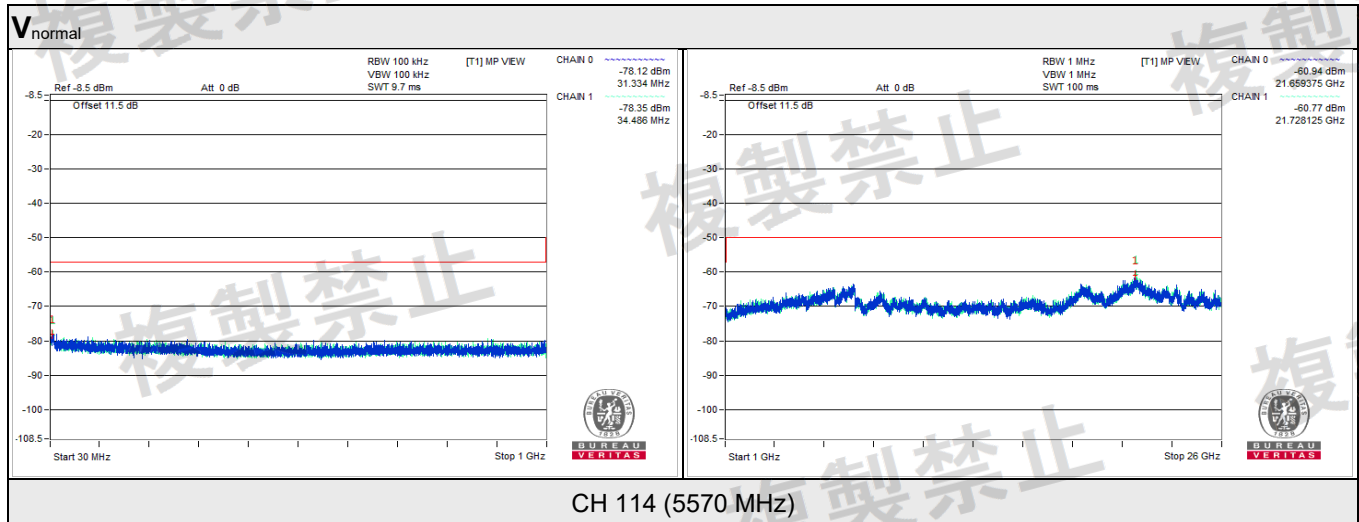
NOTE: 1. The spectrum plots are attached on the following pages.

160 MHz System Chain 1

TEST CHANNEL		CH 114 (5570 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V_{normal}	30.0 to 1000.0	34.486	0.014622	2	PASS
	1000.0 to 26000.0	21728.125	0.837529	10	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

160 MHz System Graph



160 MHz System Sum of each Chain

TEST CHANNEL		CH 114 (5570 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	0.030039	4	PASS
	1000.0 to 26000.0	1.642907	20	PASS

7.5 Antenna Power

Environmental Conditions:	25°C, 60% RH	Tested By:	Wayne Lin
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External Antenna (Mode A)

802.11a W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	100	5500	4.386	4.765	9.151	25.97
	120	5600	4.711	4.956	9.667	27.434
	144	5720	4.572	5.273	9.845	27.939
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					9.9	-
Tolerance of Antenna Power (mW/MHz):					4.95 ~ 14.85	-
Maximum EIRP Limit (mW/MHz):					-	50

Notes:

1. Antenna gain is 4.53 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ac (VHT20) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	100	5500	4.417	4.854	9.271	26.31
	120	5600	4.376	4.614	8.99	25.513
	144	5720	4.468	4.625	9.093	25.805
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					9.9	-
Tolerance of Antenna Power (mW/MHz):					4.95 ~ 14.85	-
Maximum EIRP Limit (mW/MHz):					-	50

Notes:

1. Antenna gain is 4.53 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ac (VHT40) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	102	5510	2.255	2.461	4.716	13.384
	118	5590	2.297	2.565	4.862	13.798
	142	5710	2.768	2.114	4.882	13.855
Maximum Limit (mW/MHz):					5	-
Rated Power (mW/MHz):					4.9	-
Tolerance of Antenna Power (mW/MHz):					2.45 ~ 7.35	-
Maximum EIRP Limit (mW/MHz):					-	25

Notes:

1. Antenna gain is 4.53 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ac (VHT80) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	106	5530	1.079	1.216	2.295	6.513
	122	5610	1.084	1.164	2.248	6.38
	138	5690	1.331	1.026	2.357	6.689
Maximum Limit (mW/MHz):					2.5	-
Rated Power (mW/MHz):					2.4	-
Tolerance of Antenna Power (mW/MHz):					1.2 ~ 3.6	-
Maximum EIRP Limit (mW/MHz):					-	12.5

Notes:

1. Antenna gain is 4.53 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ac (VHT160) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	114	5570	0.557	0.585	1.142	3.241
Maximum Limit (mW/MHz):					1.25	-
Rated Power (mW/MHz):					1.2	-
Tolerance of Antenna Power (mW/MHz):					0.6 ~ 1.8	-
Maximum EIRP Limit (mW/MHz):					-	6.25

Notes:

1. Antenna gain is 4.53 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ax (HE20) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	100	5500	4.417	4.854	9.271	26.31
	120	5600	4.396	4.625	9.021	25.601
	144	5720	4.447	4.635	9.082	25.774
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					9.9	-
Tolerance of Antenna Power (mW/MHz):					4.95 ~ 14.85	-
Maximum EIRP Limit (mW/MHz):					-	50

Notes:

1. Antenna gain is 4.53 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ax (HE40) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	102	5510	2.260	2.461	4.721	13.398
	118	5590	2.286	2.559	4.845	13.75
	142	5710	2.748	2.114	4.862	13.798
Maximum Limit (mW/MHz):					5	-
Rated Power (mW/MHz):					4.9	-
Tolerance of Antenna Power (mW/MHz):					2.45 ~ 7.35	-
Maximum EIRP Limit (mW/MHz):					-	25

Notes:

1. Antenna gain is 4.53 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ax (HE80) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	106	5530	1.082	1.205	2.287	6.49
	122	5610	1.084	1.162	2.246	6.374
	138	5690	1.331	1.026	2.357	6.689
Maximum Limit (mW/MHz):					2.5	-
Rated Power (mW/MHz):					2.4	-
Tolerance of Antenna Power (mW/MHz):					1.2 ~ 3.6	-
Maximum EIRP Limit (mW/MHz):					-	12.5

Notes:

1. Antenna gain is 4.53 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ax (HE160) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	114	5570	0.559	0.585	1.144	3.247
Maximum Limit (mW/MHz):					1.25	-
Rated Power (mW/MHz):					1.2	-
Tolerance of Antenna Power (mW/MHz):					0.6 ~ 1.8	-
Maximum EIRP Limit (mW/MHz):					-	6.25

Notes:

1. Antenna gain is 4.53 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11be (EHT20) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	100	5500	4.468	4.888	9.356	26.552
	120	5600	4.458	4.678	9.136	25.927
	144	5720	4.520	4.668	9.188	26.075
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					9.9	-
Tolerance of Antenna Power (mW/MHz):					4.95 ~ 14.85	-
Maximum EIRP Limit (mW/MHz):					-	50

Notes:

1. Antenna gain is 4.53 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11be (EHT40) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	102	5510	2.270	2.489	4.759	13.506
	118	5590	2.307	2.583	4.89	13.877
	142	5710	2.780	2.124	4.904	13.917
Maximum Limit (mW/MHz):					5	-
Rated Power (mW/MHz):					4.9	-
Tolerance of Antenna Power (mW/MHz):					2.45 ~ 7.35	-
Maximum EIRP Limit (mW/MHz):					-	25

Notes:

1. Antenna gain is 4.53 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11be (EHT80) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	106	5530	1.089	1.225	2.314	6.567
	122	5610	1.094	1.178	2.272	6.448
	138	5690	1.346	1.035	2.381	6.757
Maximum Limit (mW/MHz):					2.5	-
Rated Power (mW/MHz):					2.4	-
Tolerance of Antenna Power (mW/MHz):					1.2 ~ 3.6	-
Maximum EIRP Limit (mW/MHz):					-	12.5

Notes:

1. Antenna gain is 4.53 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11be (EHT160) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	114	5570	0.562	0.590	1.152	3.269
Maximum Limit (mW/MHz):					1.25	-
Rated Power (mW/MHz):					1.2	-
Tolerance of Antenna Power (mW/MHz):					0.6 ~ 1.8	-
Maximum EIRP Limit (mW/MHz):					-	6.25

Notes:

1. Antenna gain is 4.53 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

Internal Antenna (Mode B)

802.11a W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	100	5500	1.567	1.615	3.182	48.495
	120	5600	1.556	1.615	3.171	48.328
	144	5720	1.531	1.585	3.116	47.489
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					3.2	-
Tolerance of Antenna Power (mW/MHz):					1.6 ~ 4.8	-
Maximum EIRP Limit (mW/MHz):					-	50

Notes:

1. Antenna gain is 11.83 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ac (VHT20) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	100	5500	1.571	1.618	3.189	48.602
	120	5600	1.503	1.528	3.031	46.194
	144	5720	1.466	1.500	2.966	45.203
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					3.2	-
Tolerance of Antenna Power (mW/MHz):					1.6 ~ 4.8	-
Maximum EIRP Limit (mW/MHz):					-	50

Notes:

1. Antenna gain is 11.83 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ac (VHT40) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	102	5510	0.802	0.815	1.617	24.644
	118	5590	0.745	0.755	1.5	22.861
	142	5710	0.784	0.800	1.584	24.141
Maximum Limit (mW/MHz):					5	-
Rated Power (mW/MHz):					1.7	-
Tolerance of Antenna Power (mW/MHz):					0.85 ~ 2.55	-
Maximum EIRP Limit (mW/MHz):					-	25

Notes:

1. Antenna gain is 11.83 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ac (VHT80) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	106	5530	0.376	0.381	0.757	11.537
	122	5610	0.389	0.395	0.784	11.949
	138	5690	0.390	0.394	0.784	11.949
Maximum Limit (mW/MHz):					2.5	-
Rated Power (mW/MHz):					0.8	-
Tolerance of Antenna Power (mW/MHz):					0.4 ~ 1.2	-
Maximum EIRP Limit (mW/MHz):					-	12.5

Notes:

1. Antenna gain is 11.83 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ac (VHT160) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	114	5570	0.200	0.204	0.404	6.157
Maximum Limit (mW/MHz):					1.25	-
Rated Power (mW/MHz):					0.41	-
Tolerance of Antenna Power (mW/MHz):					0.205 ~ 0.615	-
Maximum EIRP Limit (mW/MHz):					-	6.25

Notes:

1. Antenna gain is 11.83 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ax (HE20) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	100	5500	1.563	1.615	3.178	48.434
	120	5600	1.497	1.524	3.021	46.042
	144	5720	1.456	1.497	2.953	45.005
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					3.2	-
Tolerance of Antenna Power (mW/MHz):					1.6 ~ 4.8	-
Maximum EIRP Limit (mW/MHz):					-	50

Notes:

1. Antenna gain is 11.83 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ax (HE40) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	102	5510	0.796	0.815	1.611	24.552
	118	5590	0.741	0.748	1.489	22.693
	142	5710	0.776	0.793	1.569	23.912
Maximum Limit (mW/MHz):					5	-
Rated Power (mW/MHz):					1.7	-
Tolerance of Antenna Power (mW/MHz):					0.85 ~ 2.55	-
Maximum EIRP Limit (mW/MHz):					-	25

Notes:

1. Antenna gain is 11.83 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ax (HE80) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	106	5530	0.373	0.379	0.752	11.461
	122	5610	0.385	0.393	0.778	11.857
	138	5690	0.387	0.394	0.781	11.903
Maximum Limit (mW/MHz):					2.5	-
Rated Power (mW/MHz):					0.8	-
Tolerance of Antenna Power (mW/MHz):					0.4 ~ 1.2	-
Maximum EIRP Limit (mW/MHz):					-	12.5

Notes:

1. Antenna gain is 11.83 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ax (HE160) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	114	5570	0.199	0.203	0.402	6.127
Maximum Limit (mW/MHz):					1.25	-
Rated Power (mW/MHz):					0.41	-
Tolerance of Antenna Power (mW/MHz):					0.205 ~ 0.615	-
Maximum EIRP Limit (mW/MHz):					-	6.25

Notes:

1. Antenna gain is 11.83 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11be (EHT20) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	100	5500	1.582	1.633	3.215	48.998
	120	5600	1.510	1.538	3.048	46.453
	144	5720	1.473	1.510	2.983	45.462
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					3.2	-
Tolerance of Antenna Power (mW/MHz):					1.6 ~ 4.8	-
Maximum EIRP Limit (mW/MHz):					-	50

Notes:

1. Antenna gain is 11.83 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11be (EHT40) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	102	5510	0.806	0.819	1.625	24.766
	118	5590	0.748	0.759	1.507	22.967
	142	5710	0.787	0.804	1.591	24.248
Maximum Limit (mW/MHz):					5	-
Rated Power (mW/MHz):					1.7	-
Tolerance of Antenna Power (mW/MHz):					0.85 ~ 2.55	-
Maximum EIRP Limit (mW/MHz):					-	25

Notes:

1. Antenna gain is 11.83 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11be (EHT80) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	106	5530	0.379	0.383	0.762	11.613
	122	5610	0.391	0.397	0.788	12.01
	138	5690	0.392	0.397	0.789	12.025
Maximum Limit (mW/MHz):					2.5	-
Rated Power (mW/MHz):					0.8	-
Tolerance of Antenna Power (mW/MHz):					0.4 ~ 1.2	-
Maximum EIRP Limit (mW/MHz):					-	12.5

Notes:

1. Antenna gain is 11.83 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11be (EHT160) W56

Voltage (Vdc)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
48	114	5570	0.200	0.206	0.406	6.188
Maximum Limit (mW/MHz):					1.25	-
Rated Power (mW/MHz):					0.41	-
Tolerance of Antenna Power (mW/MHz):					0.205 ~ 0.615	-
Maximum EIRP Limit (mW/MHz):					-	6.25

Notes:

1. Antenna gain is 11.83 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

7.6 Adjacent Channel Emitted Power

Environmental Conditions:	25°C, 65% RH	Tested By:	Wayne Lin
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External Antenna (Mode A)

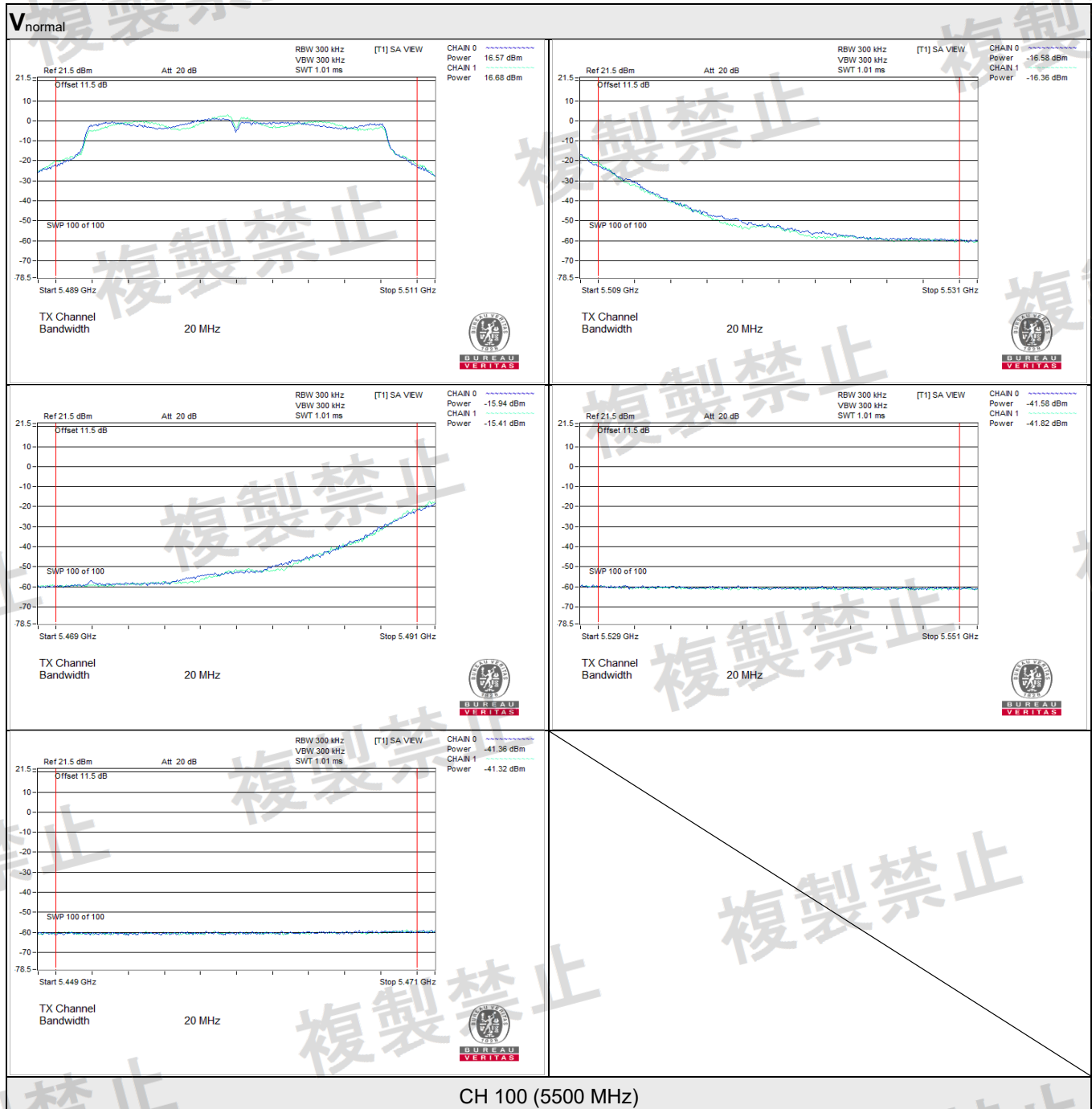
802.11a Chain 0: W56

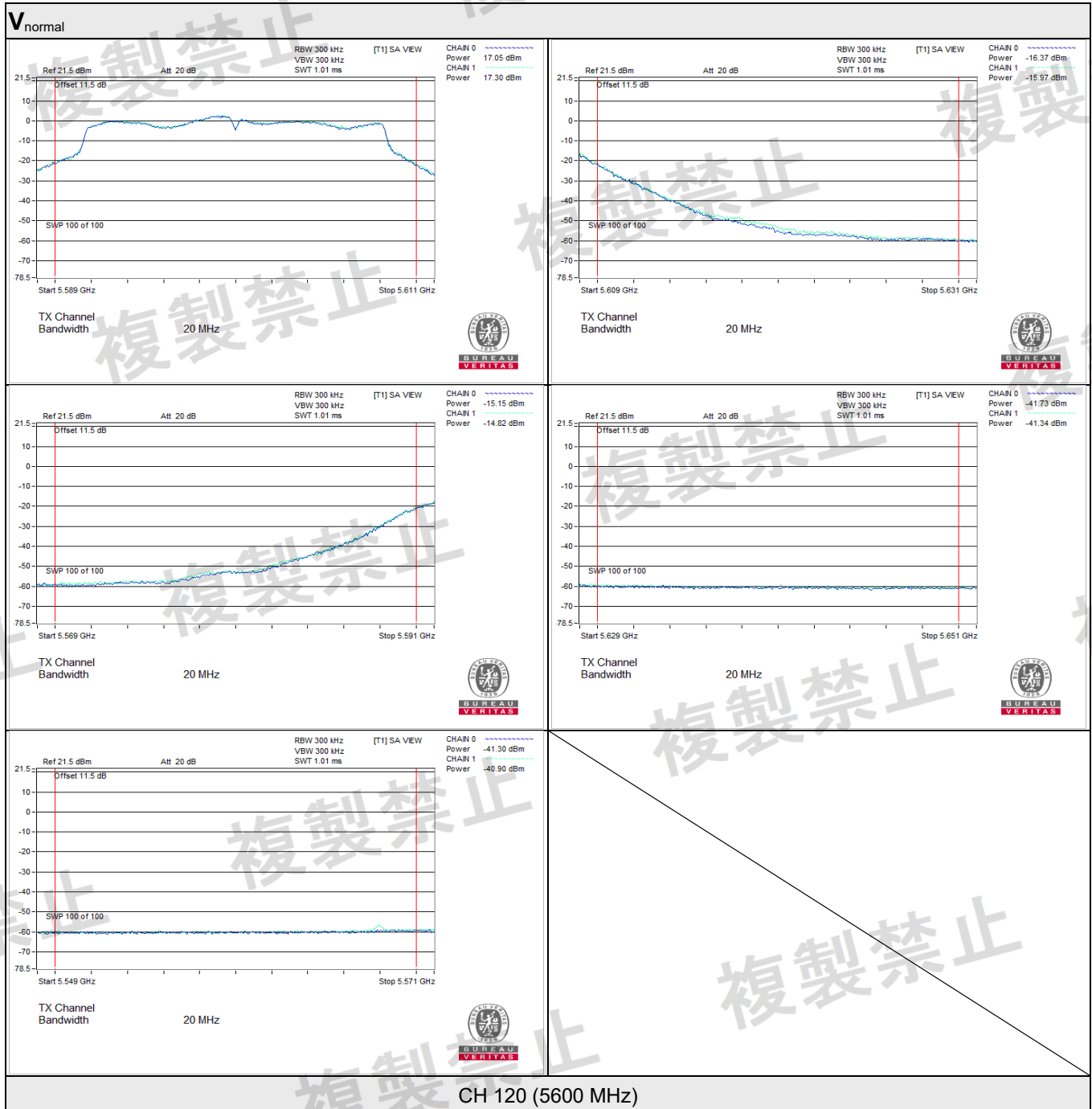
Test Condition		Test Channel	CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)		16.57	17.05	-	-
	Mean Power +20MHz Distance of Carrier (dBc)		33.15	33.42	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)		32.51	32.20	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)		58.15	58.78	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)		57.93	58.35	40	PASS
Test Condition		Test Channel	CH 144 (5720 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)		16.61		-	-
	Mean Power +20MHz Distance of Carrier (dBc)		33.07		25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)		32.93		25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)		58.13		40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)		57.78		40	PASS

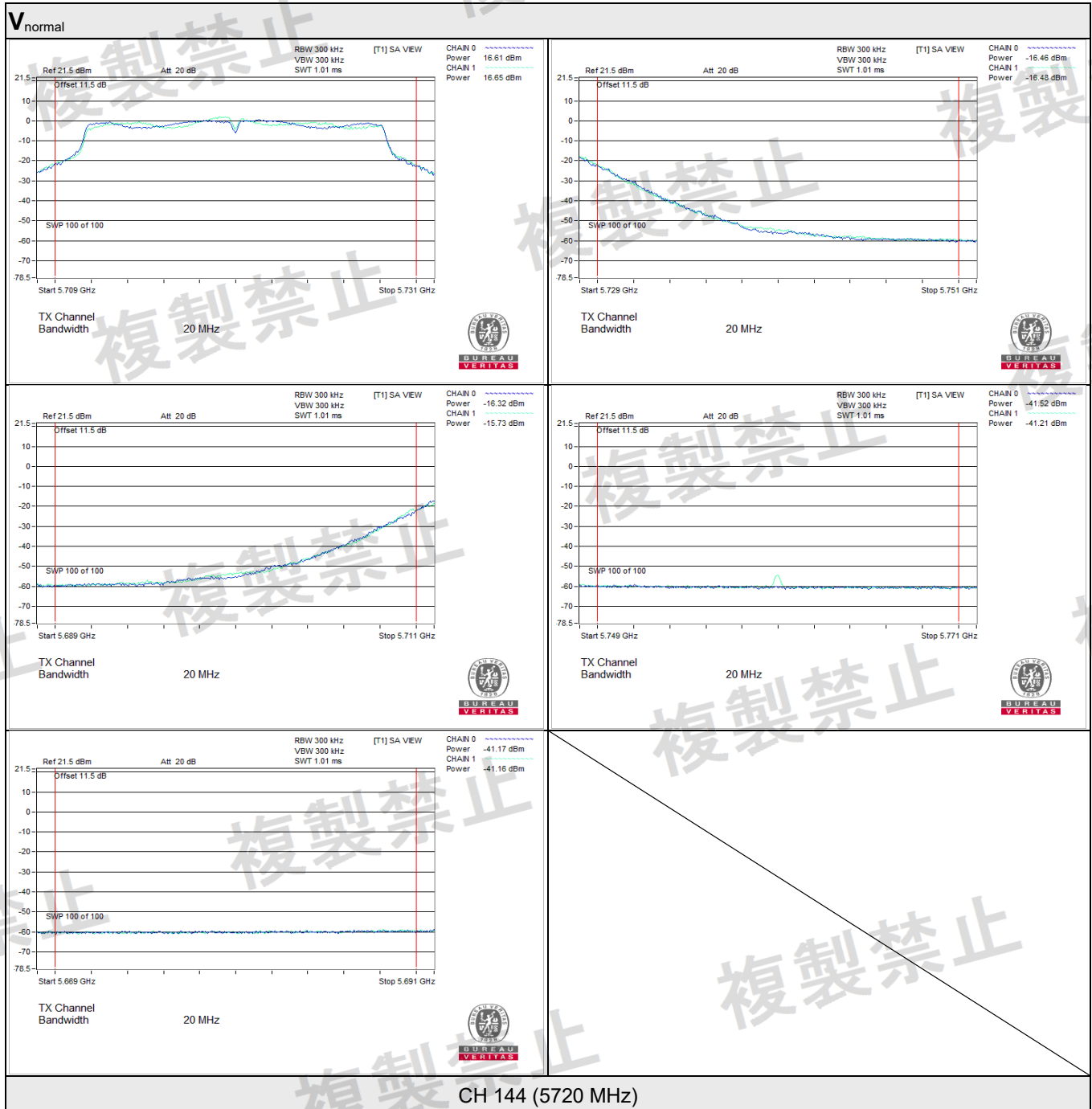
802.11a Chain 1: W56

Test Condition		Test Channel	CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)		16.68	17.30	-	-
	Mean Power +20MHz Distance of Carrier (dBc)		33.04	33.27	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)		32.09	32.12	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)		58.50	58.64	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)		58.00	58.20	40	PASS
Test Condition		Test Channel	CH 144 (5720 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)		16.65		-	-
	Mean Power +20MHz Distance of Carrier (dBc)		33.13		25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)		32.38		25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)		57.86		40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)		57.81		40	PASS

802.11a Graph: W56

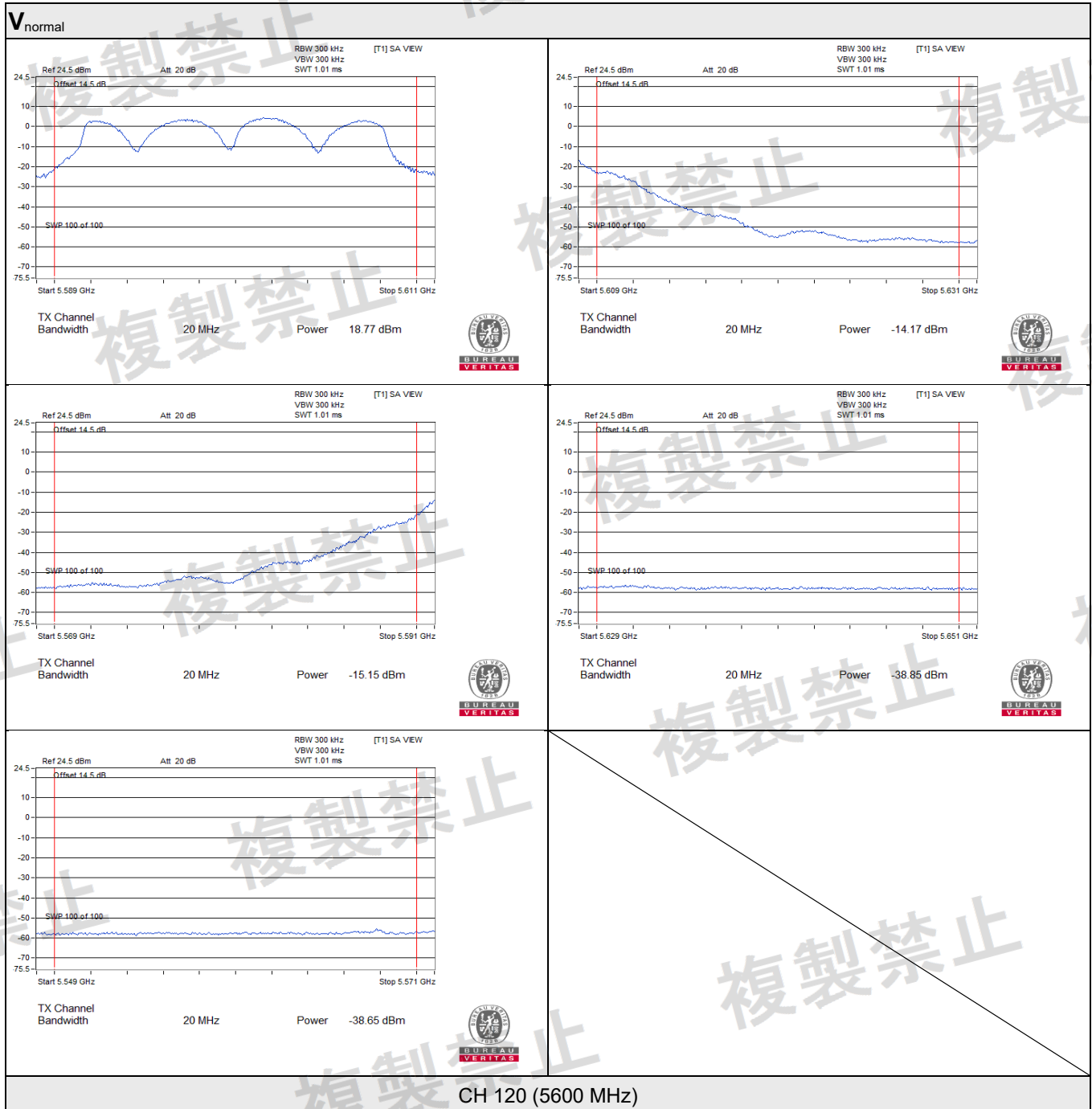


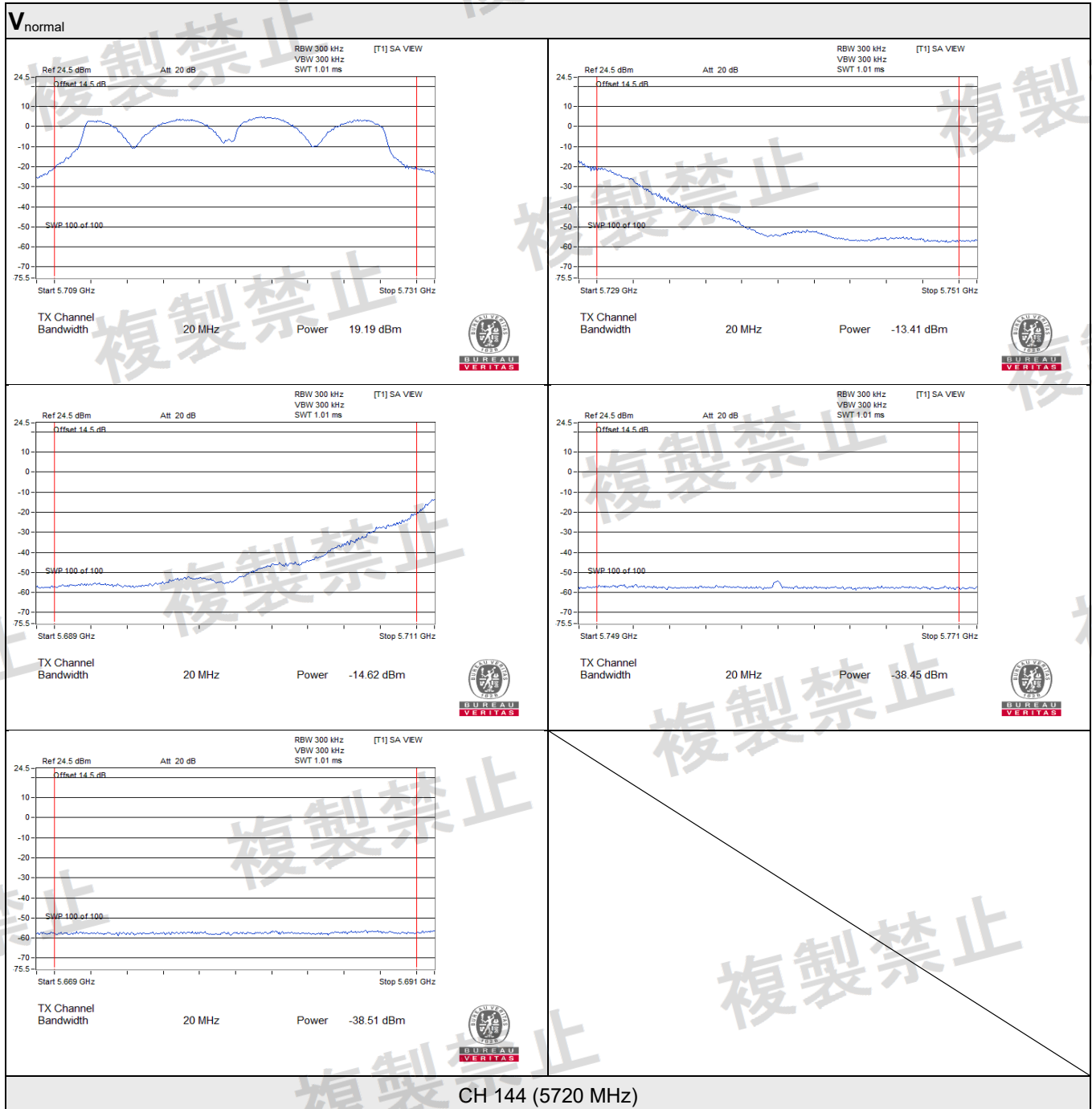




802.11a Use combiner: W56

Test Channel		CH 120 (5600 MHz)	CH 144 (5720 MHz)	Min. Limit (dBc)	Result
Test Condition					
V_{normal}	Mean Power of Carrier (dBm)	18.77	19.19	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	32.94	32.60	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	33.92	33.81	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	57.62	57.64	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	57.42	57.70	40	PASS



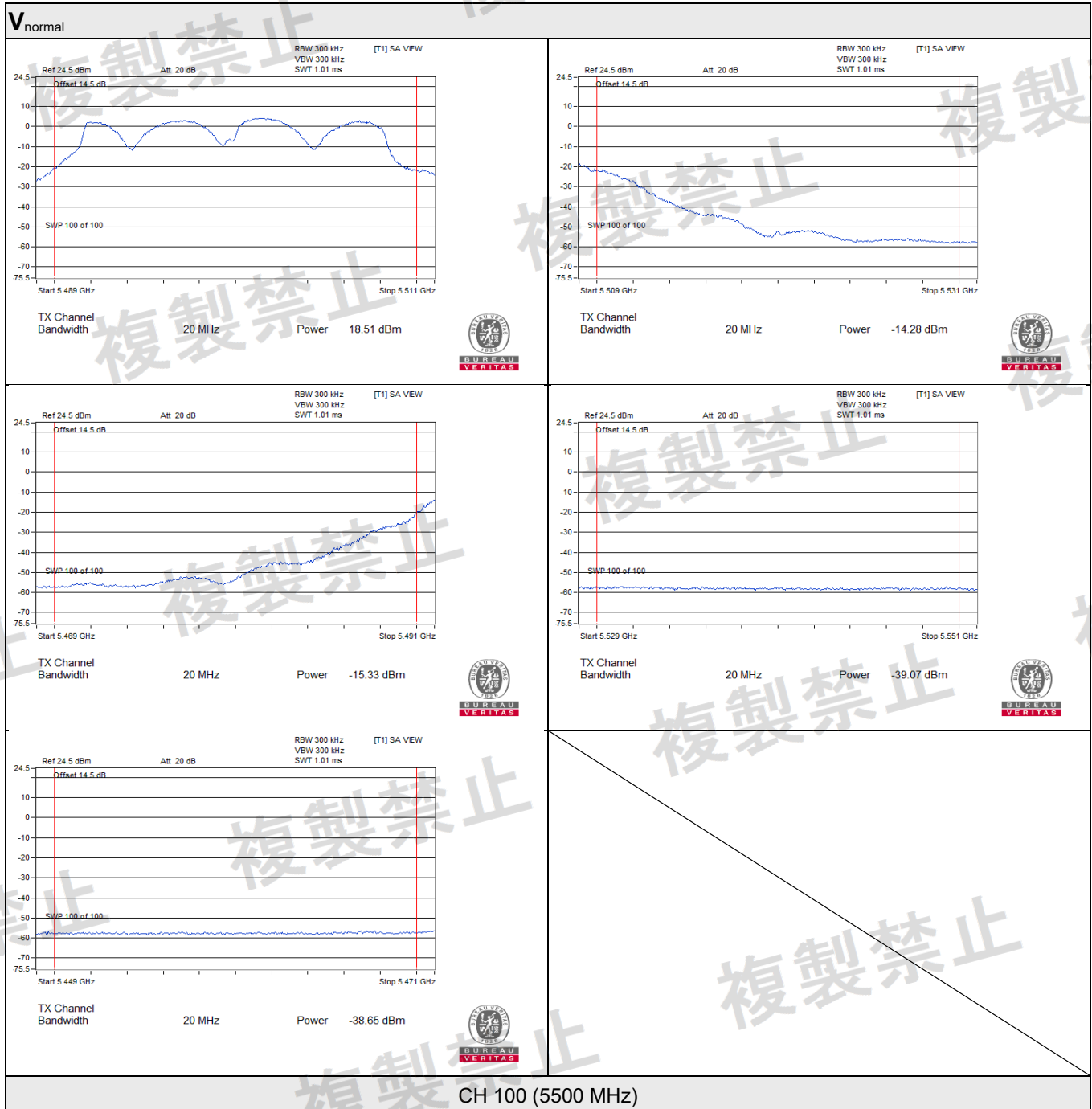


802.11a Sum of each Chain: W56

TEST CHANNEL		CH 100 (5500 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	MIN. LIMIT(dBc)	RESULT
V _{normal}	Mean Power of Carrier (dBm)	19.64	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.11	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	35.32	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	61.34	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	60.98	40	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	20.19	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.36	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	35.17	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	61.72	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	61.29	40	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	19.64	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.11	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	35.67	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	61.01	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	60.81	40	PASS

802.11a: W56

Test Condition \ Test Channel		CH 100 (5500 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	18.51	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	32.79	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	33.84	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	57.58	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	57.16	40	PASS



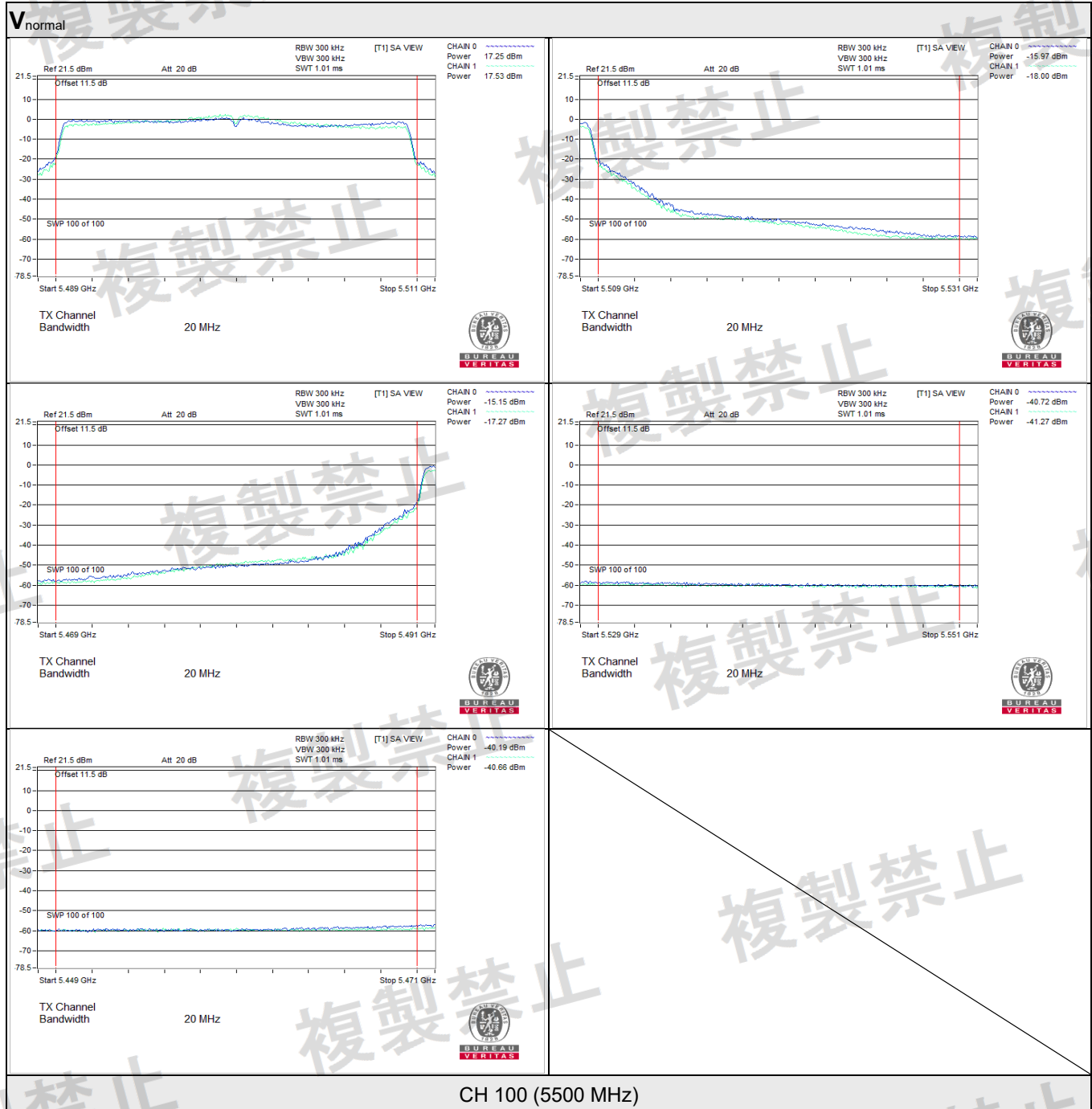
802.11be (EHT20) Chain 0: W56

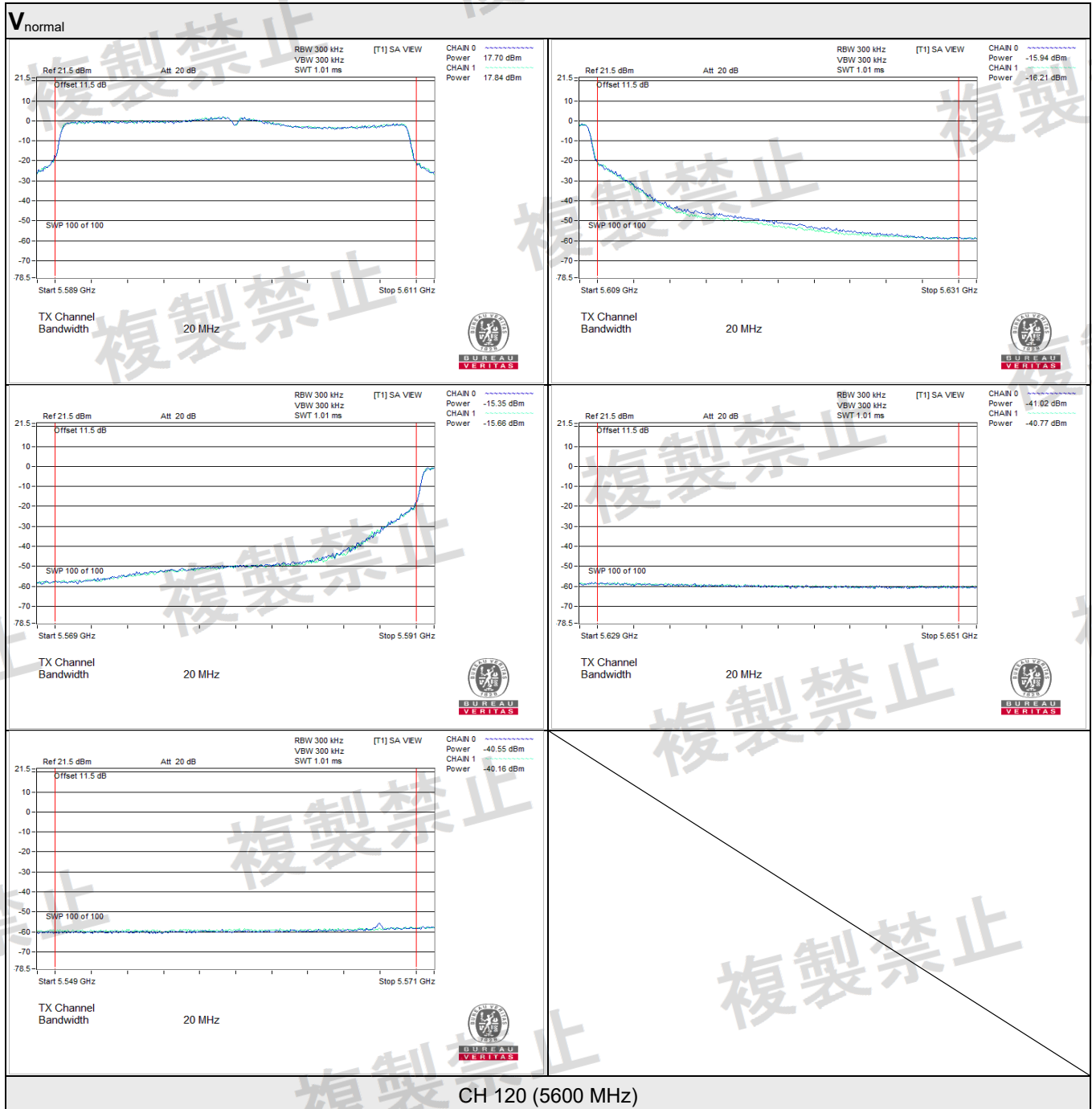
Test Condition \ Test Channel		CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	17.25	17.70	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	33.22	33.64	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	32.40	33.05	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	57.97	58.72	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	57.44	58.25	40	PASS
Test Condition \ Test Channel		CH 144 (5720 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	17.01		-	-
	Mean Power +20MHz Distance of Carrier (dBc)	34.43		25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	34.10		25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	58.07		40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	58.03		40	PASS

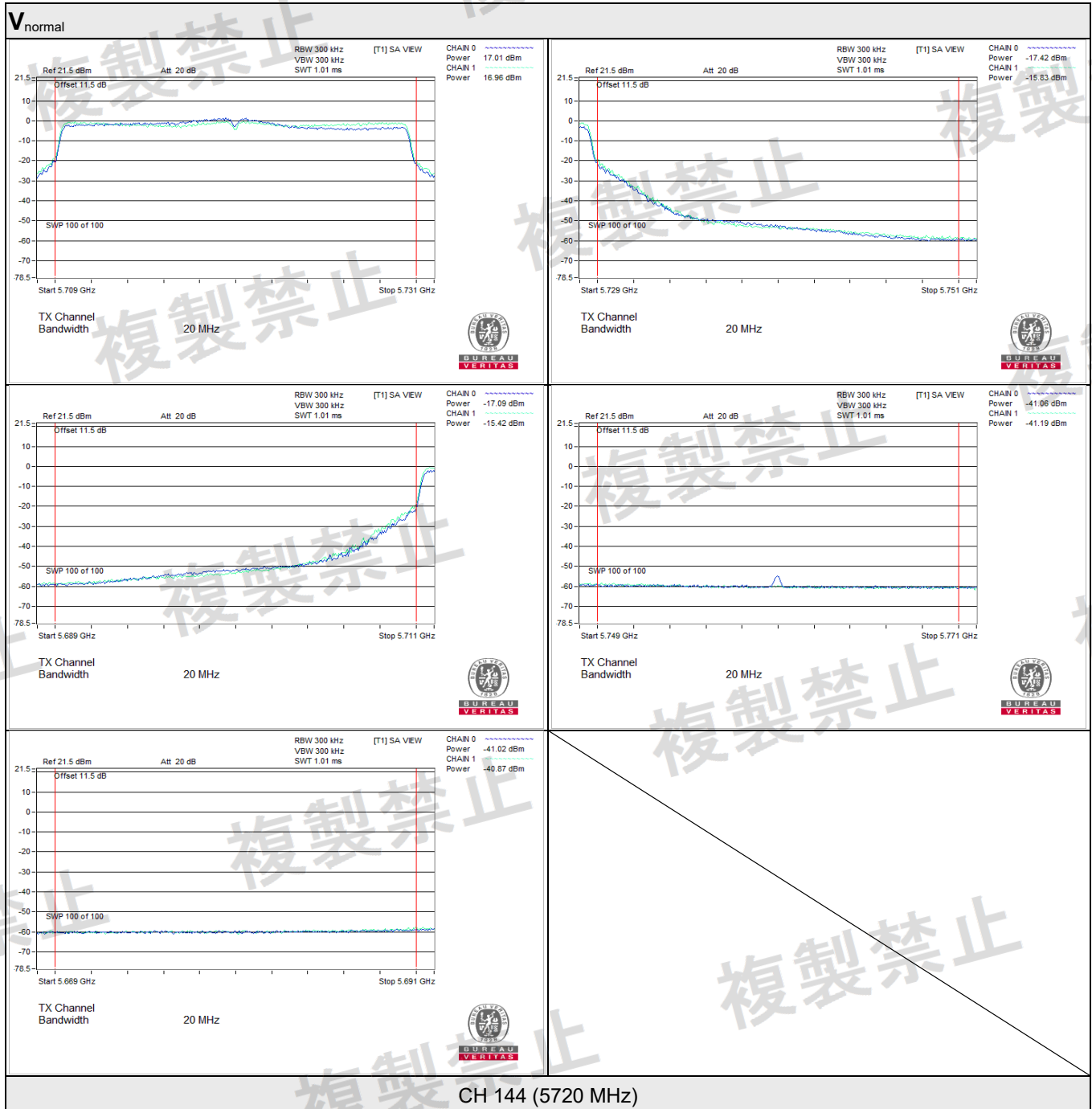
802.11be (EHT20) Chain 1: W56

Test Condition \ Test Channel		CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	17.53	17.84	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	35.53	34.05	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	34.80	33.50	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	58.80	58.61	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	58.19	58.00	40	PASS
Test Condition \ Test Channel		CH 144 (5720 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	16.96		-	-
	Mean Power +20MHz Distance of Carrier (dBc)	32.79		25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	32.38		25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	58.15		40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	57.83		40	PASS

802.11be (EHT20) Graph: W56

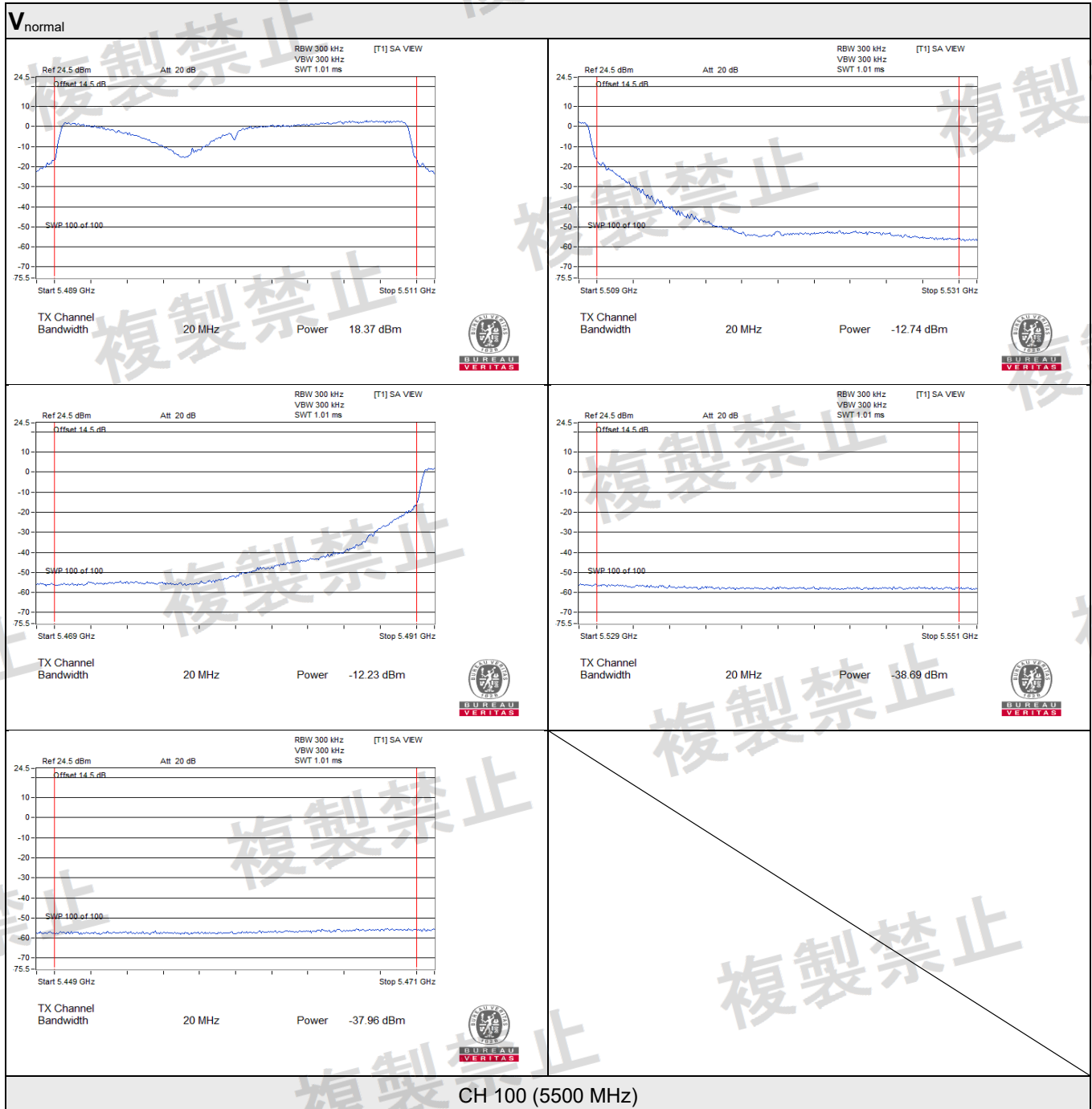


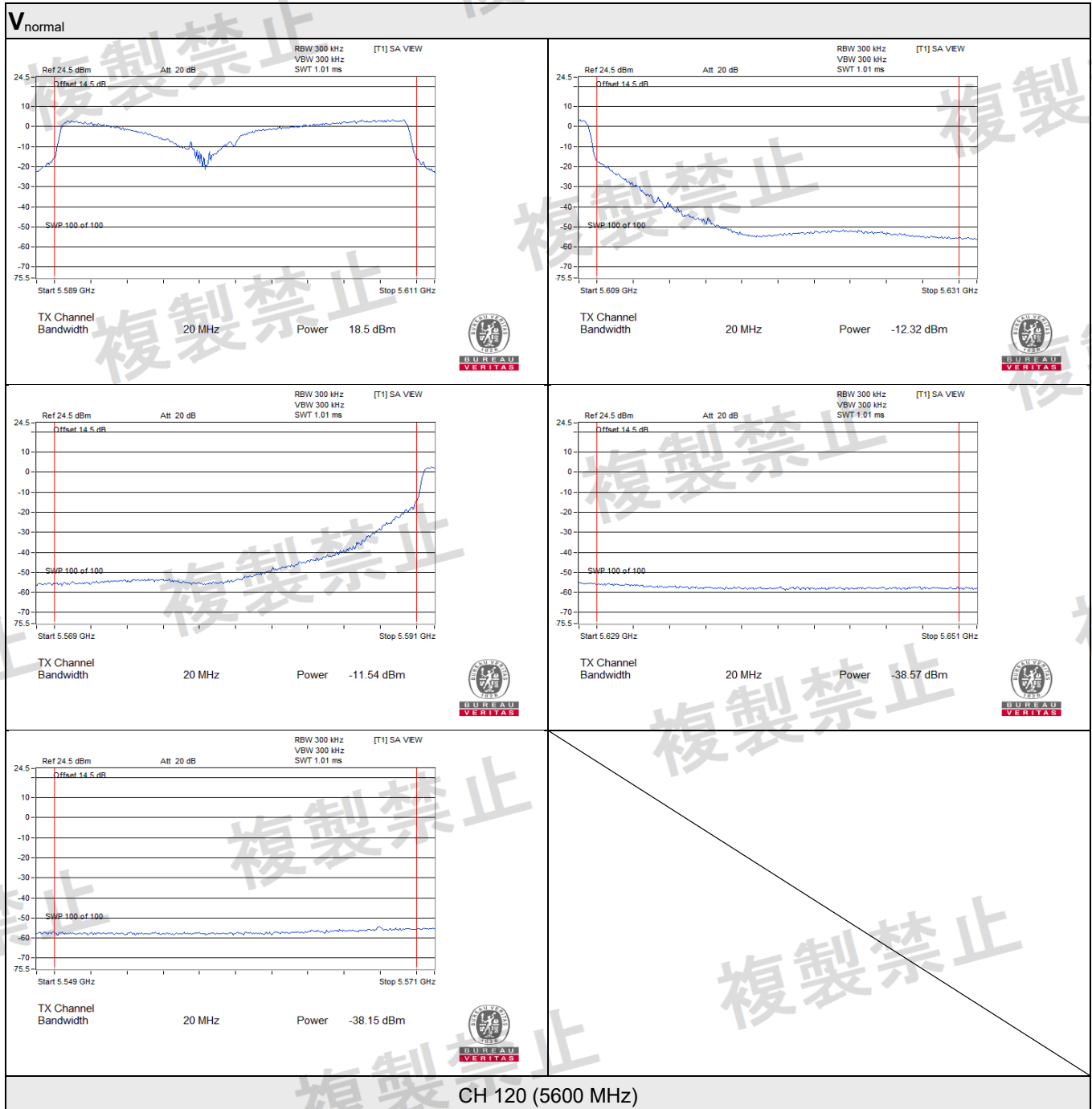


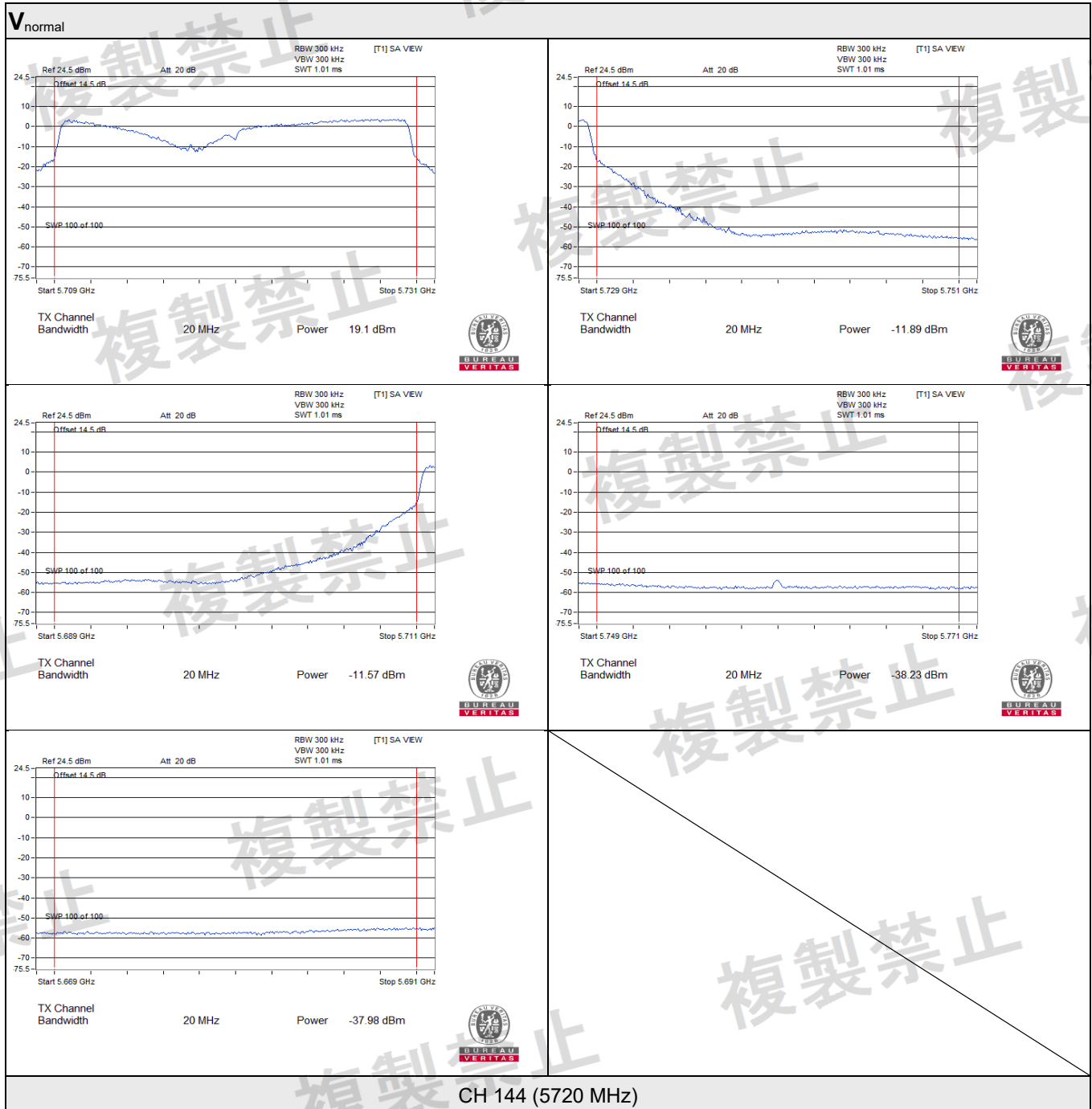


802.11be (EHT20) Use combiner: W56

Test Condition \ Test Channel		CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	18.37	18.50	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	31.11	30.82	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	30.60	30.04	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	57.06	57.07	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	56.33	56.65	40	PASS
Test Condition \ Test Channel		CH 144 (5720 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	19.10		-	-
	Mean Power +20MHz Distance of Carrier (dBc)	30.99		25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	30.67		25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	57.33		40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	57.08		40	PASS







802.11be (EHT20) Sum of each Chain: W56

TEST CHANNEL		CH 100 (5500 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	MIN. LIMIT(dBc)	RESULT
V _{normal}	Mean Power of Carrier (dBm)	20.40	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	37.54	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	36.77	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	61.42	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	60.84	40	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	20.78	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.86	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	36.29	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	61.68	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	61.14	40	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	20.00	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.70	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	36.33	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	61.12	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	60.94	40	PASS

802.11be (EHT40) Chain 0: W56

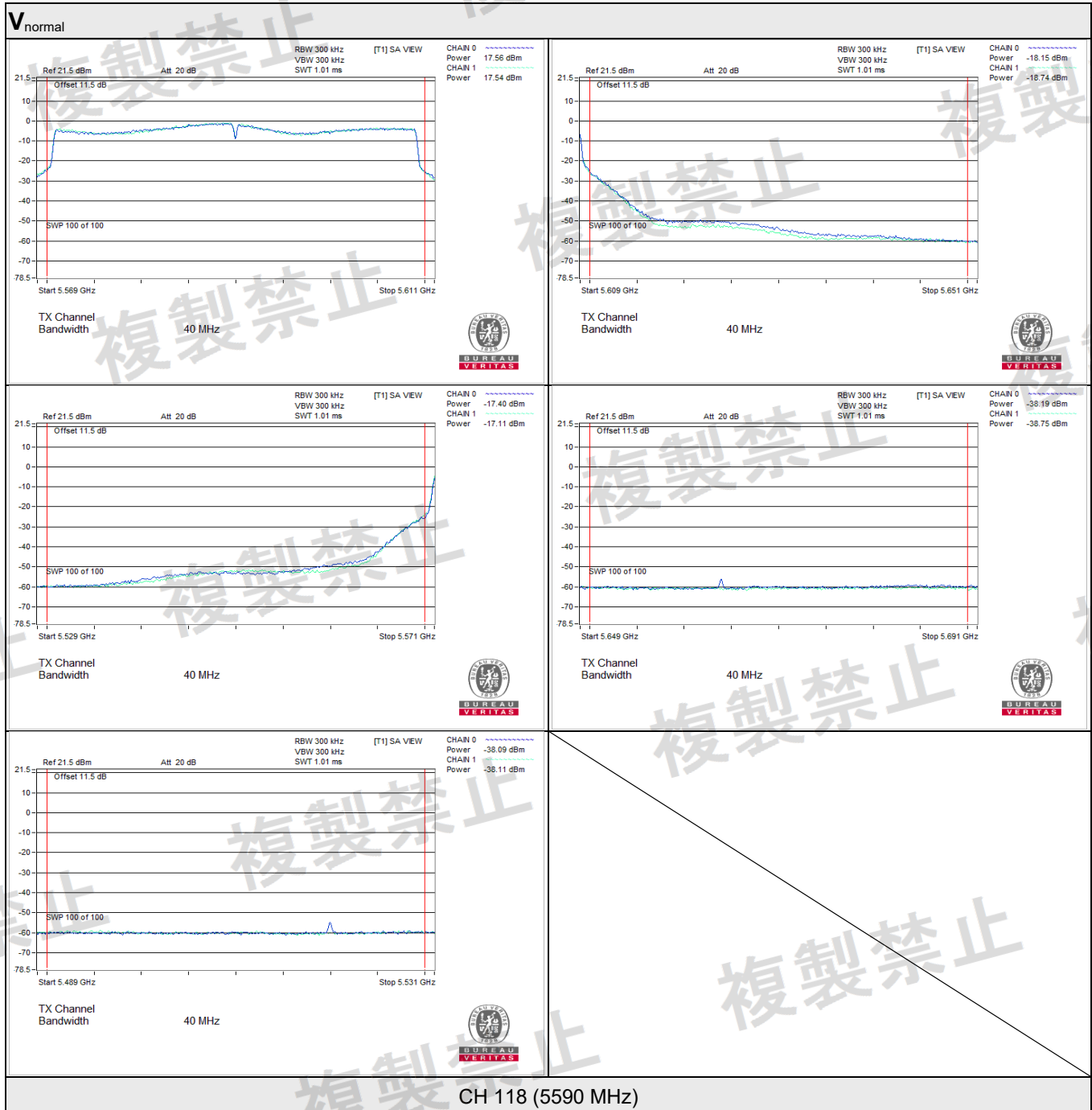
Test Condition \ Test Channel		CH 102 (5510 MHz)	CH 118 (5590 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	17.17	17.56	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	35.93	35.71	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	35.86	34.96	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	55.19	55.75	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	55.11	55.65	40	PASS
Test Condition \ Test Channel		CH 142 (5710 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	17.06		-	-
	Mean Power +40MHz Distance of Carrier (dBc)	35.30		25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	35.34		25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	55.10		40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	55.31		40	PASS

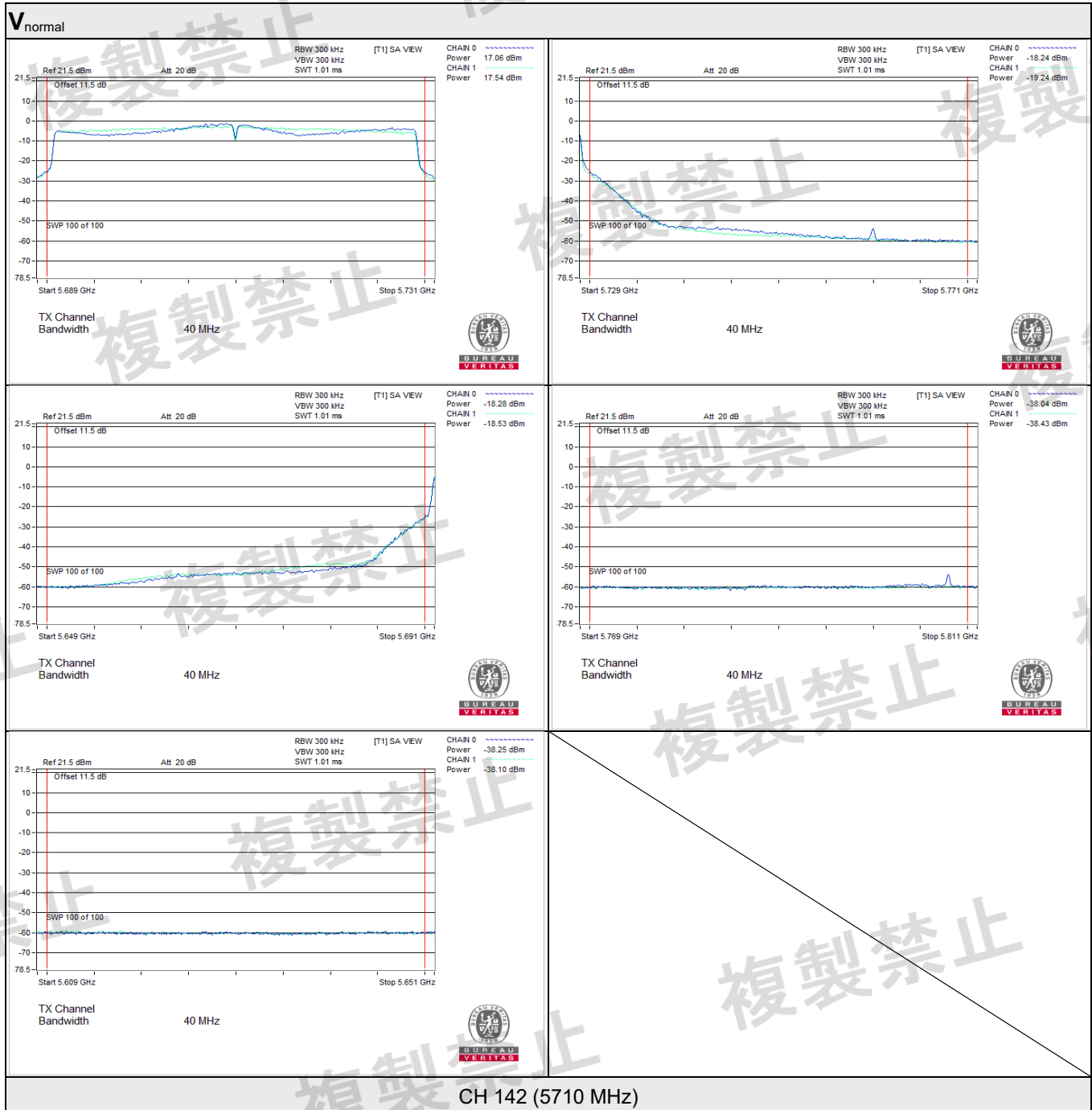
802.11be (EHT40) Chain 1: W56

Test Condition \ Test Channel		CH 102 (5510 MHz)	CH 118 (5590 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	16.98	17.54	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	35.09	36.28	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	34.02	34.65	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	55.56	56.29	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	54.85	55.65	40	PASS
Test Condition \ Test Channel		CH 142 (5710 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	17.54		-	-
	Mean Power +40MHz Distance of Carrier (dBc)	36.78		25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	36.07		25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	55.97		40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	55.64		40	PASS

802.11be (EHT40) Graph: W56

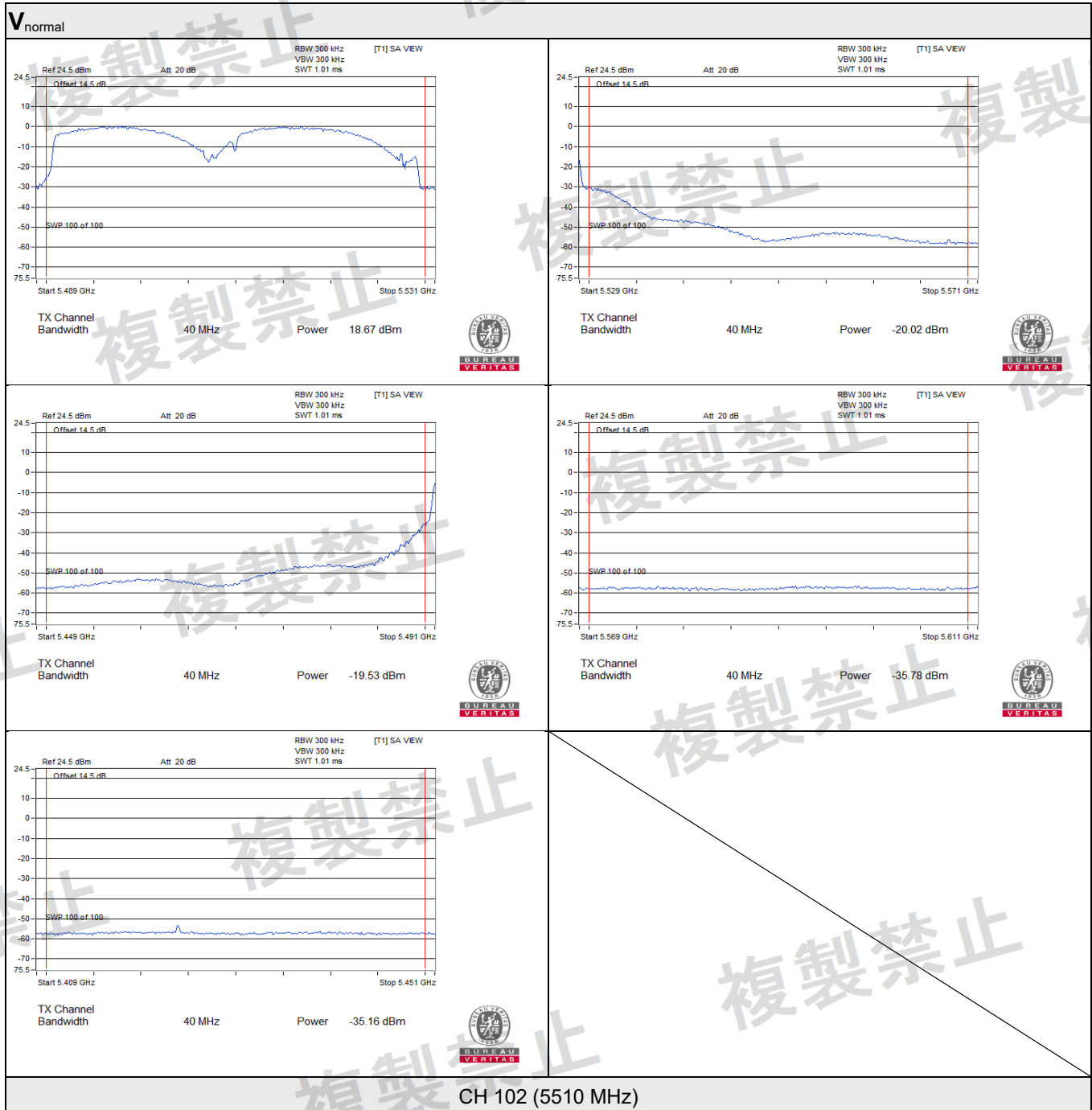


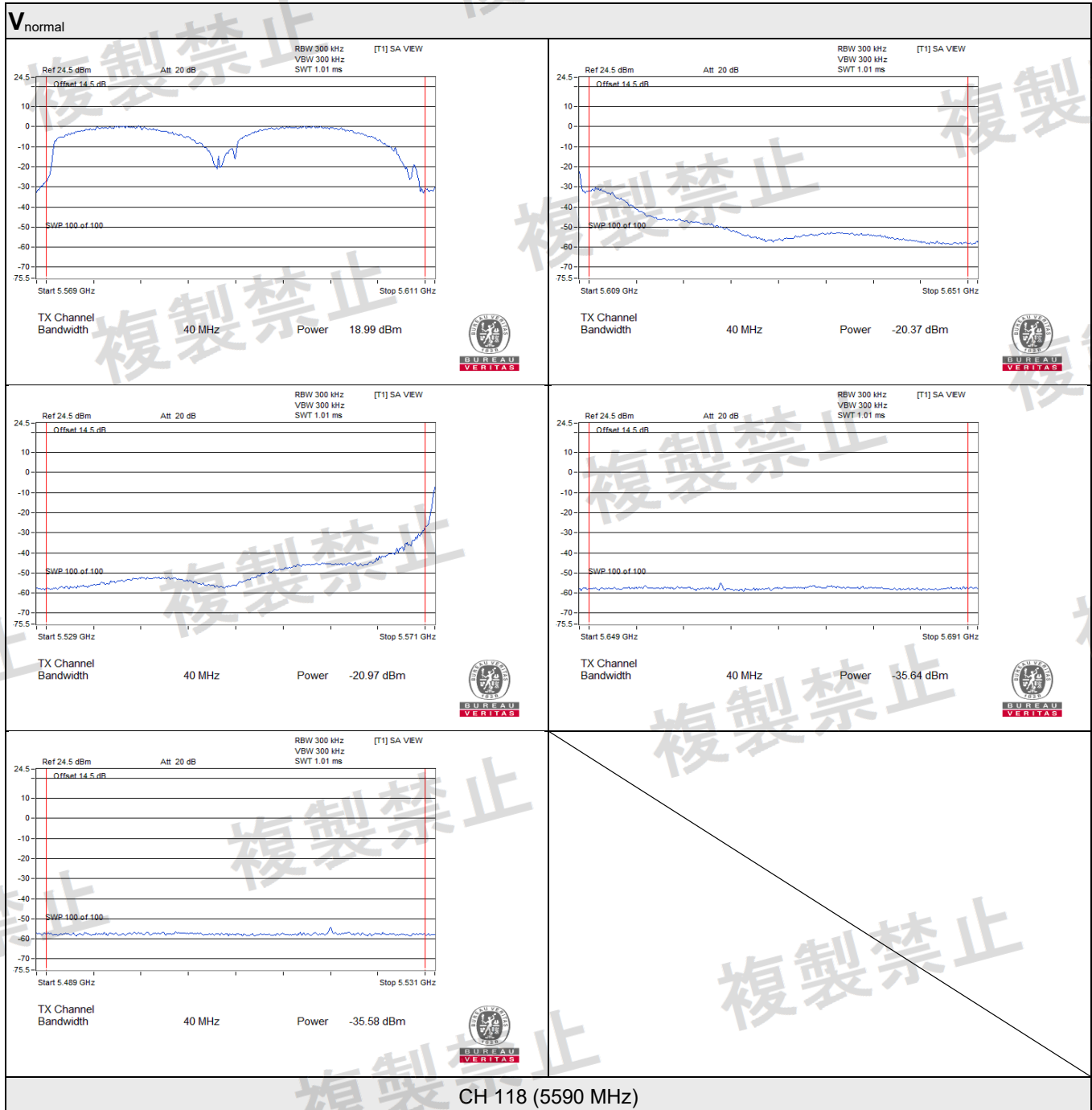




802.11be (EHT40) Use combiner: W56

Test Condition \ Test Channel		CH 102 (5510 MHz)	CH 118 (5590 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	18.67	18.99	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	38.69	39.36	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	38.20	39.96	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	54.45	54.63	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	53.83	54.57	40	PASS
Test Condition \ Test Channel		CH 142 (5710 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	19.45		-	-
	Mean Power +40MHz Distance of Carrier (dBc)	38.48		25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	40.15		25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	54.79		40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	55.14		40	PASS







802.11be (EHT40) Sum of each Chain: W56

TEST CHANNEL		CH 102 (5510 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	MIN. LIMIT(dBc)	RESULT
V _{normal}	Mean Power of Carrier (dBm)	20.09	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	38.54	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	38.05	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	58.39	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	57.99	40	PASS
TEST CHANNEL		CH 118 (5590 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	20.56	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	39.01	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	37.82	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	59.04	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	58.66	40	PASS
TEST CHANNEL		CH 142 (5710 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	20.32	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	39.11	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	38.73	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	58.57	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	58.49	40	PASS

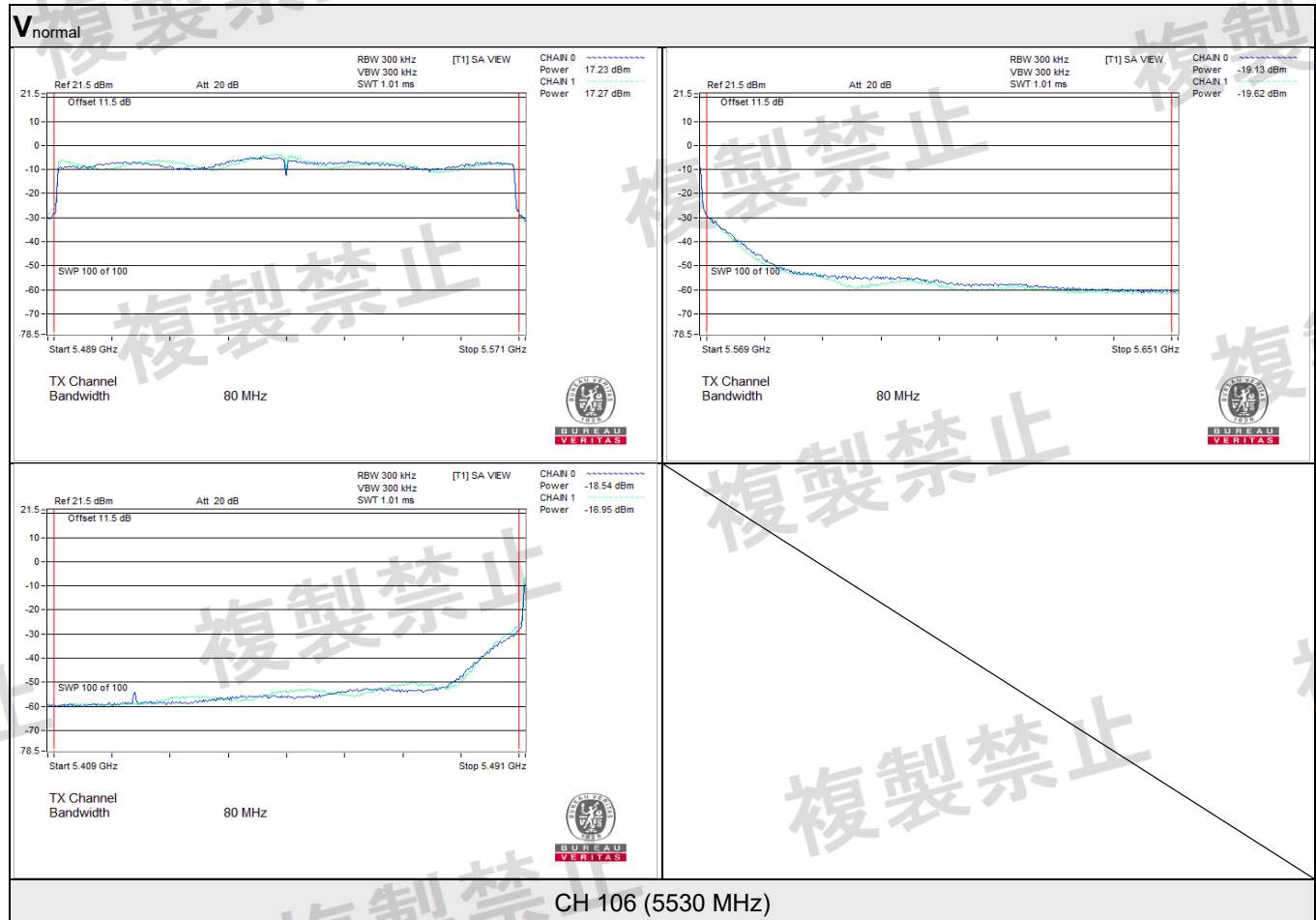
802.11be (EHT80) Chain 0: W56

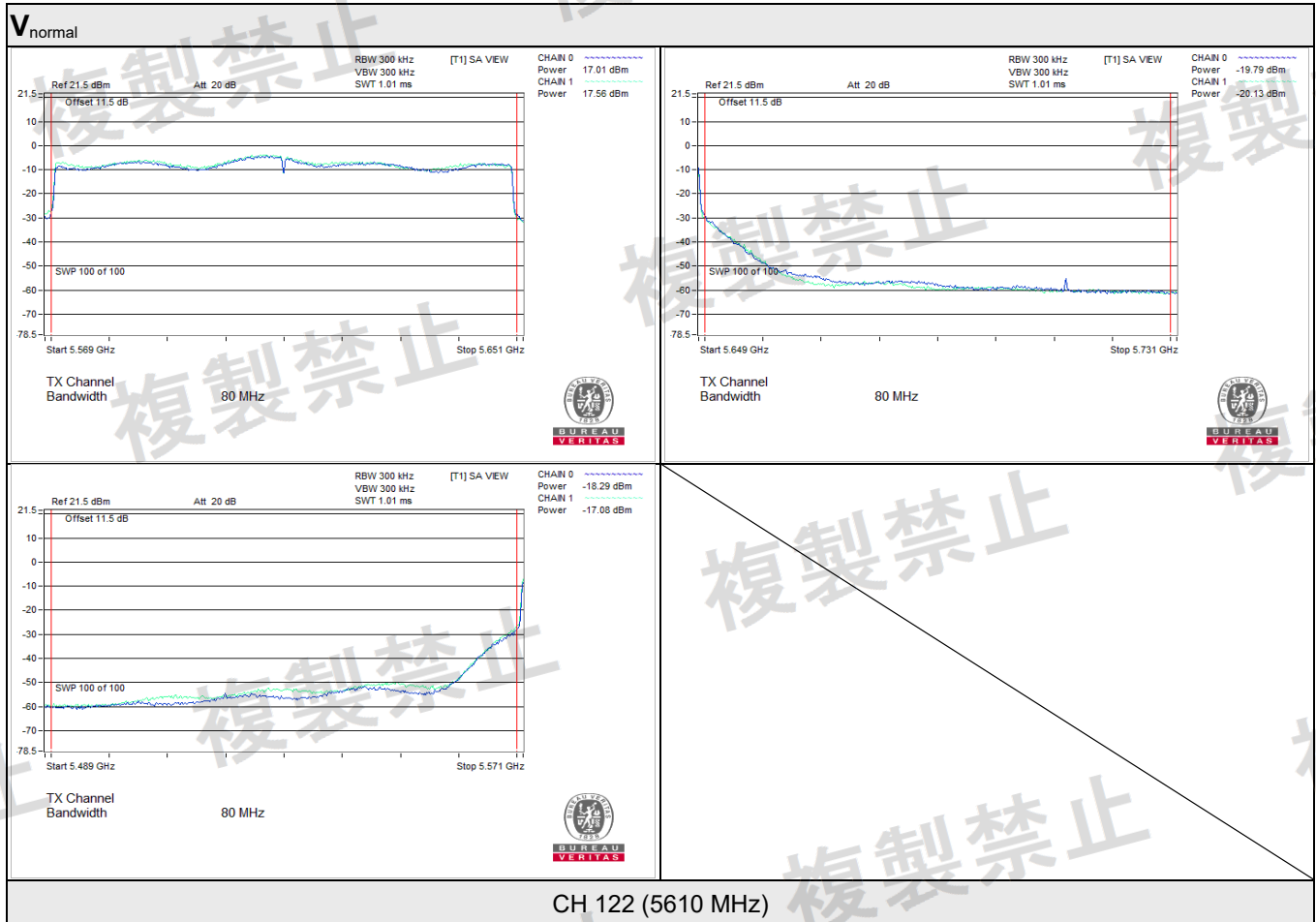
Test Condition		Test Channel	CH 106 (5530 MHz)	CH 122 (5610 MHz)	Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		17.23	17.01	-	-
	Mean Power +80MHz Distance of Carrier (dBc)		36.36	36.80	25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)		35.77	35.30	25	PASS
Test Condition		Test Channel	CH 138 (5690 MHz)		Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		17.88		-	-
	Mean Power +80MHz Distance of Carrier (dBc)		36.31		25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)		35.43		25	PASS

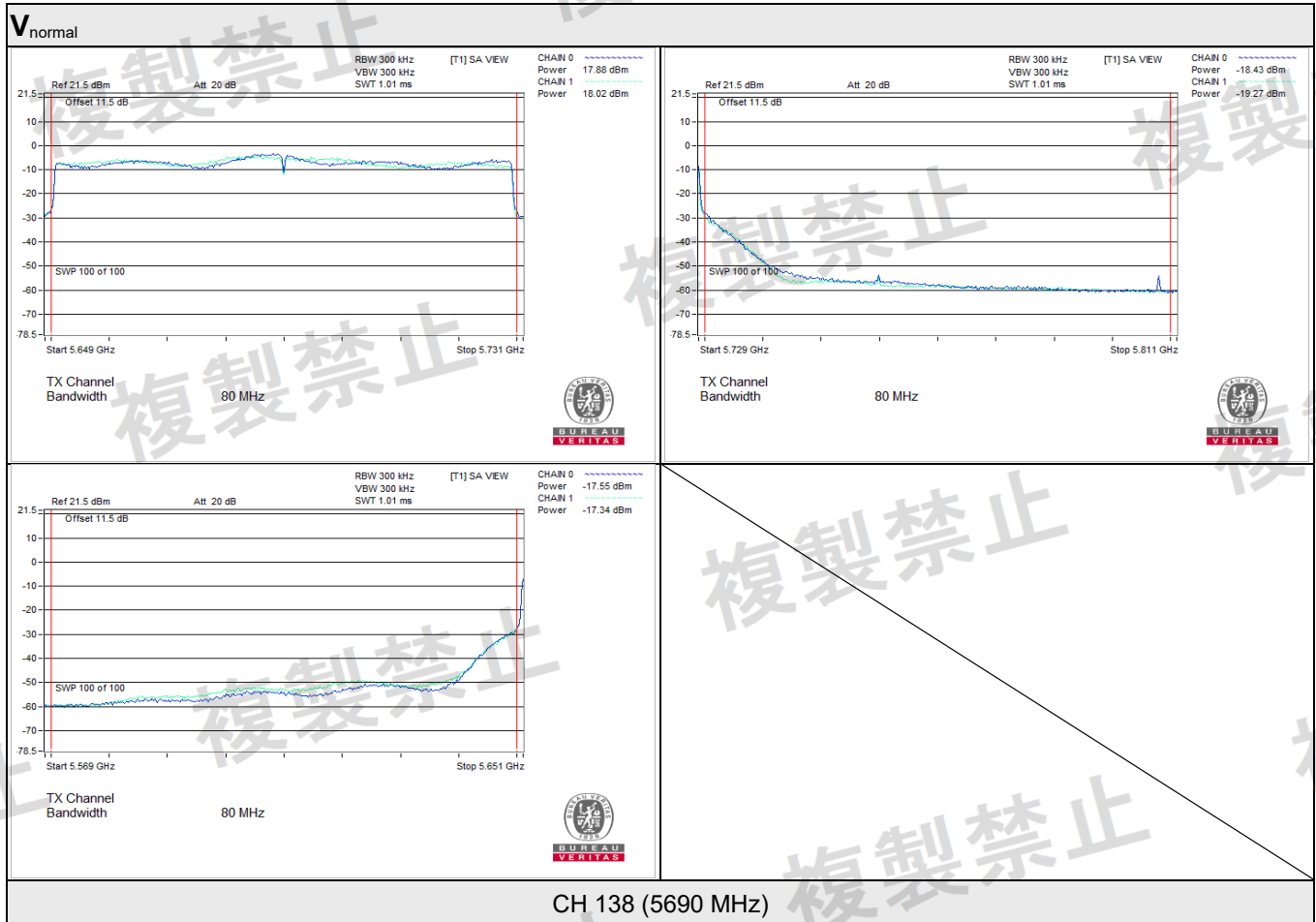
802.11be (EHT80) Chain 1: W56

Test Condition		Test Channel	CH 106 (5530 MHz)	CH 122 (5610 MHz)	Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		17.27	17.56	-	-
	Mean Power +80MHz Distance of Carrier (dBc)		36.89	37.69	25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)		34.22	34.64	25	PASS
Test Condition		Test Channel	CH 138 (5690 MHz)		Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		18.02		-	-
	Mean Power +80MHz Distance of Carrier (dBc)		37.29		25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)		35.36		25	PASS

802.11be (EHT80) Graph: W56

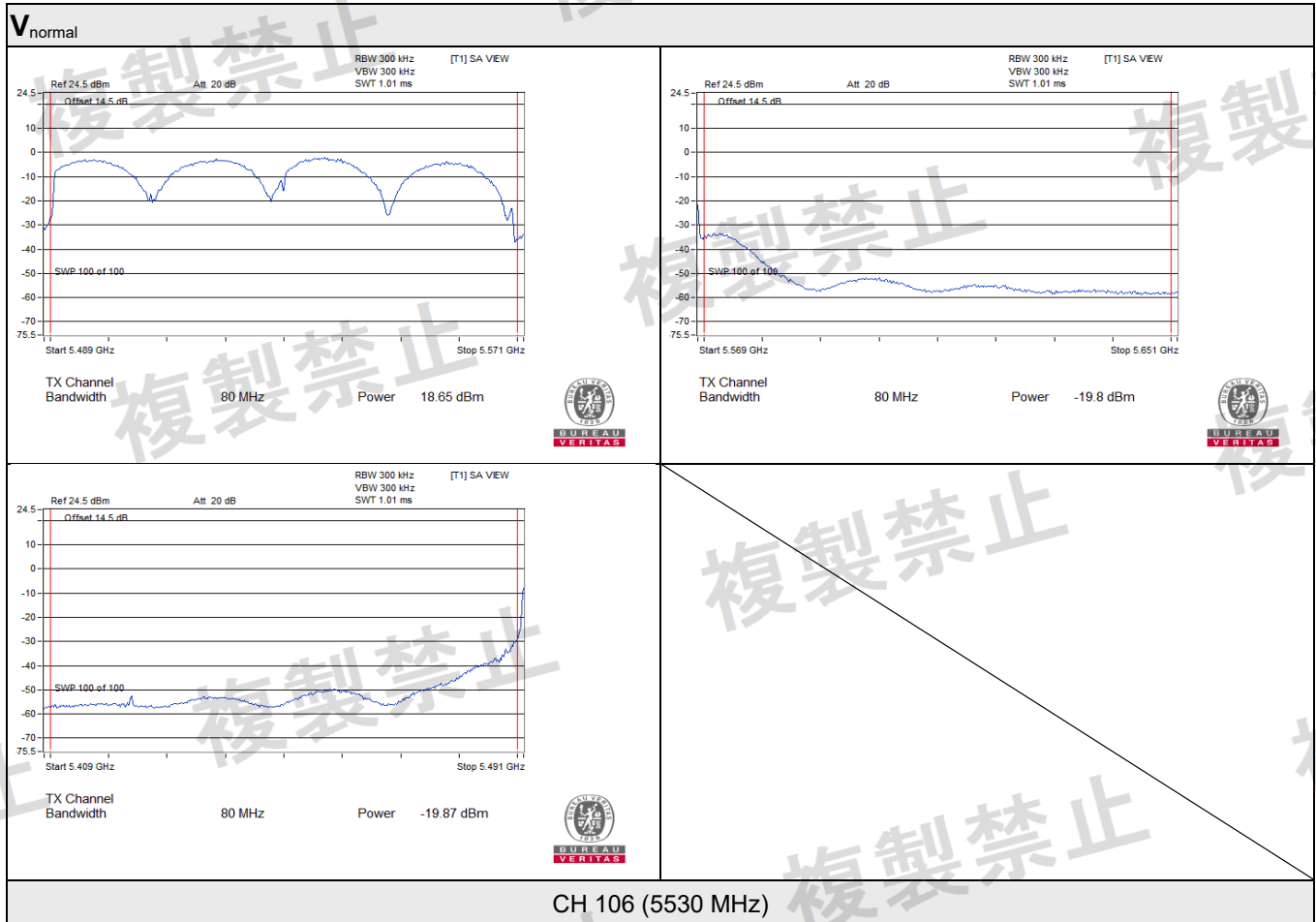


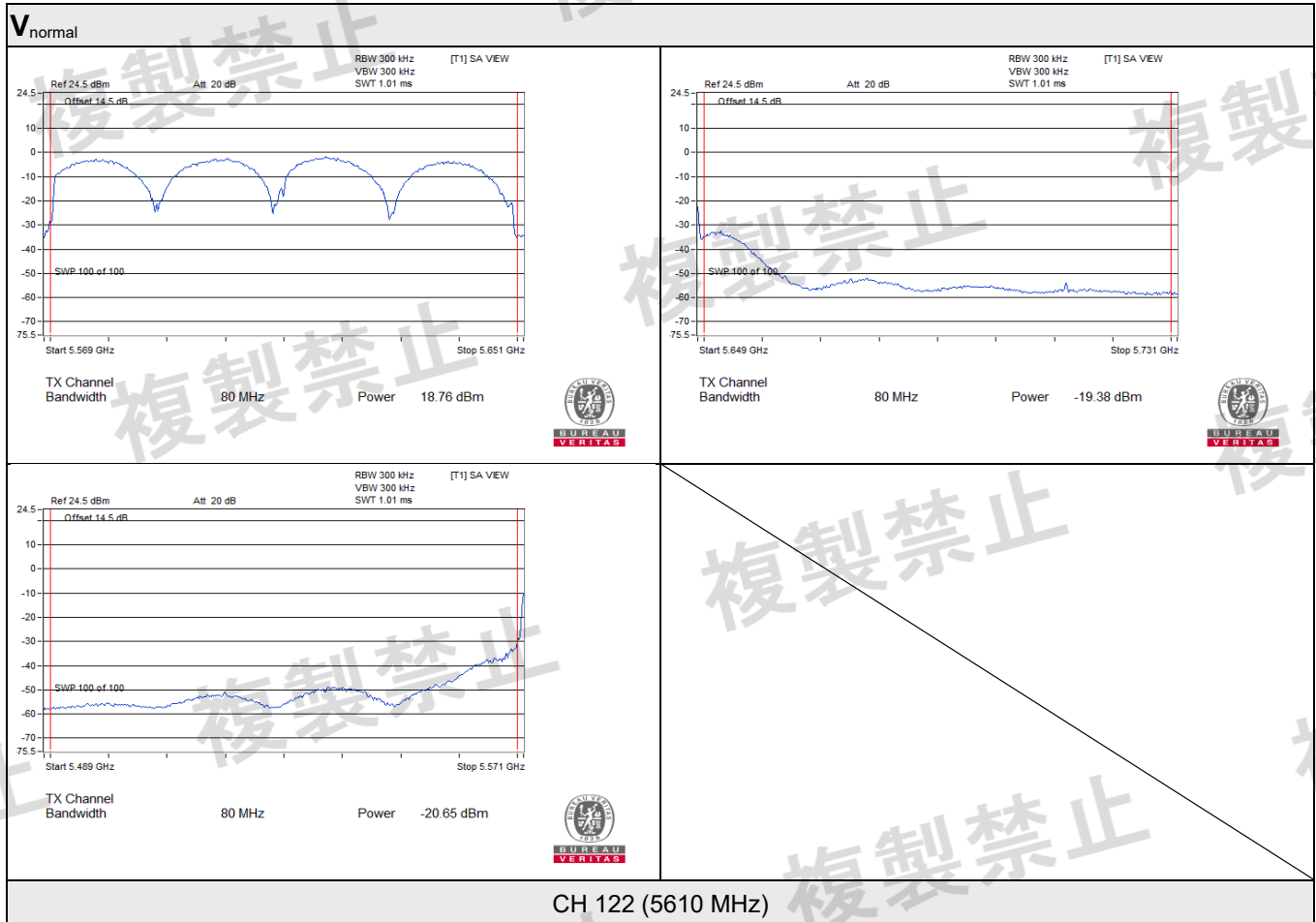


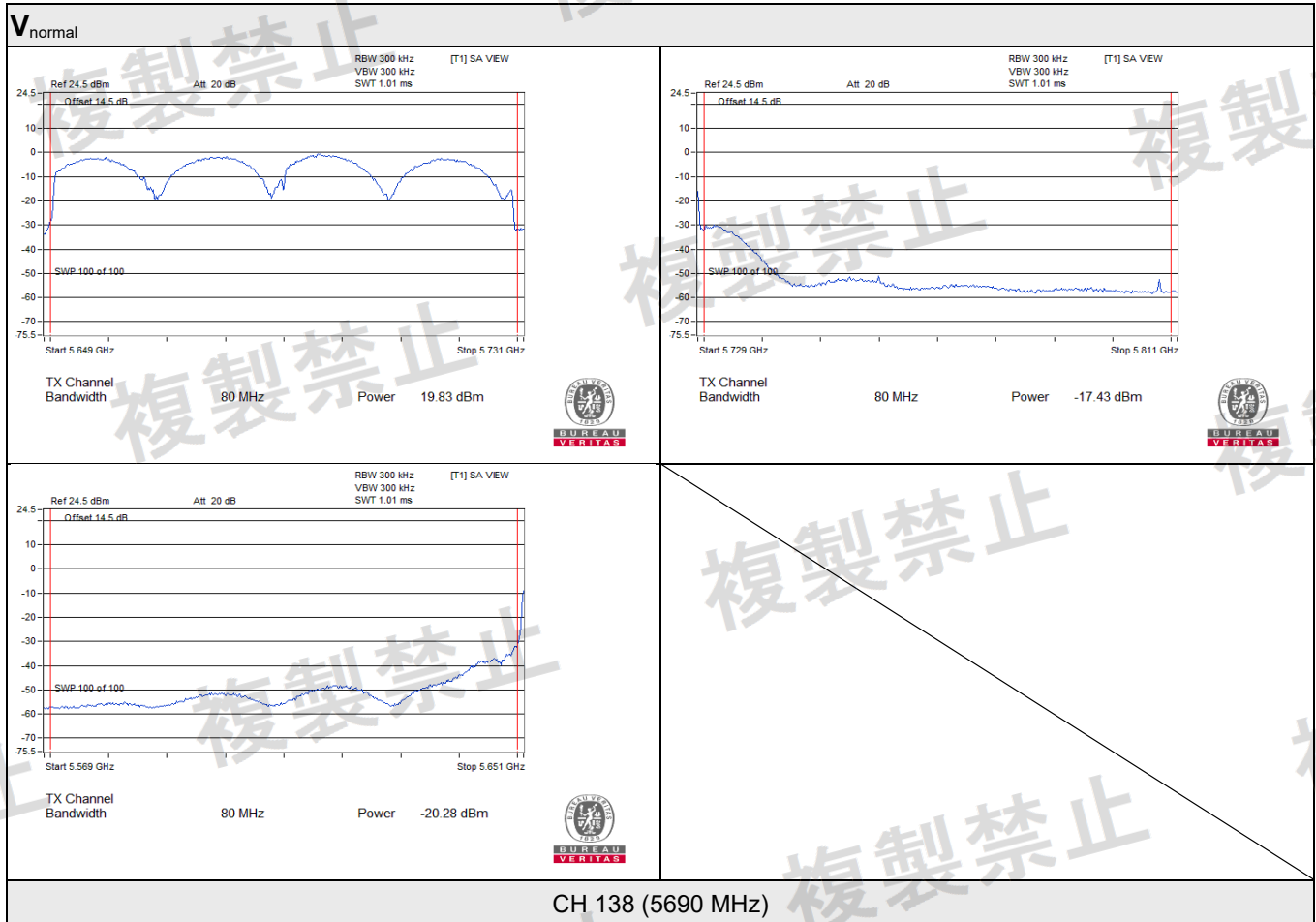


802.11be (EHT80) Use combiner: W56

Test Condition		Test Channel	CH 106 (5530 MHz)	CH 122 (5610 MHz)	Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		18.65	18.76	-	-
	Mean Power +80MHz Distance of Carrier (dBc)		38.45	38.14	25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)		38.52	39.41	25	PASS
Test Condition		Test Channel	CH 138 (5690 MHz)		Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		19.83		-	-
	Mean Power +80MHz Distance of Carrier (dBc)		37.26		25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)		40.11		25	PASS







802.11be (EHT80) Sum of each Chain: W56

TEST CHANNEL		CH 106 (5530 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	MIN. LIMIT(dBc)	RESULT
V _{normal}	Mean Power of Carrier (dBm)	20.26	-	-
	Mean Power +80MHz Distance of Carrier (dBc)	39.64	25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	38.07	25	PASS
TEST CHANNEL		CH 122 (5610 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	20.30	-	-
	Mean Power +80MHz Distance of Carrier (dBc)	40.28	25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	37.99	25	PASS
TEST CHANNEL		CH 138 (5690 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	20.96	-	-
	Mean Power +80MHz Distance of Carrier (dBc)	39.84	25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	38.41	25	PASS

Internal Antenna (Mode B)

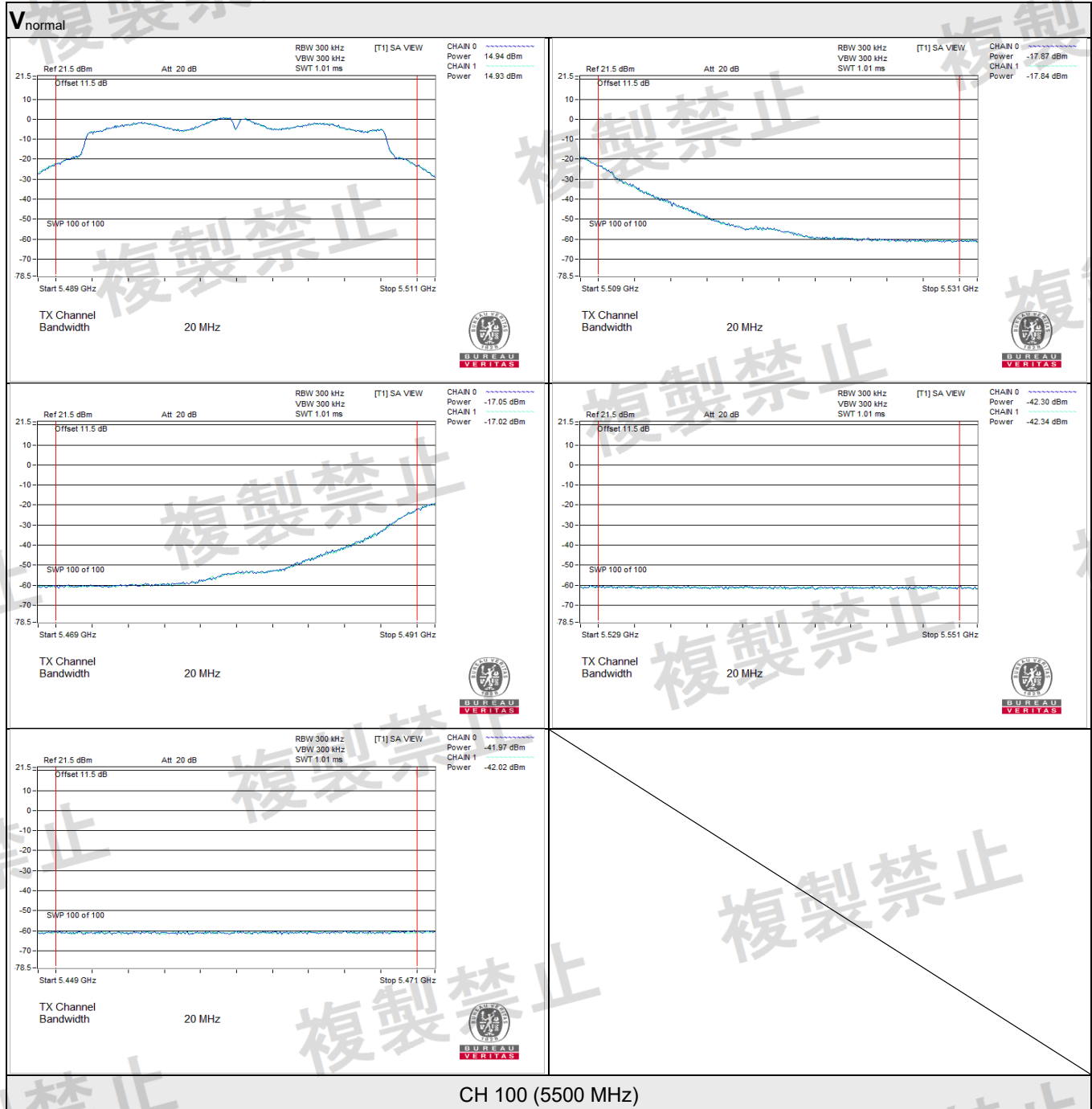
802.11a Chain 0: W56

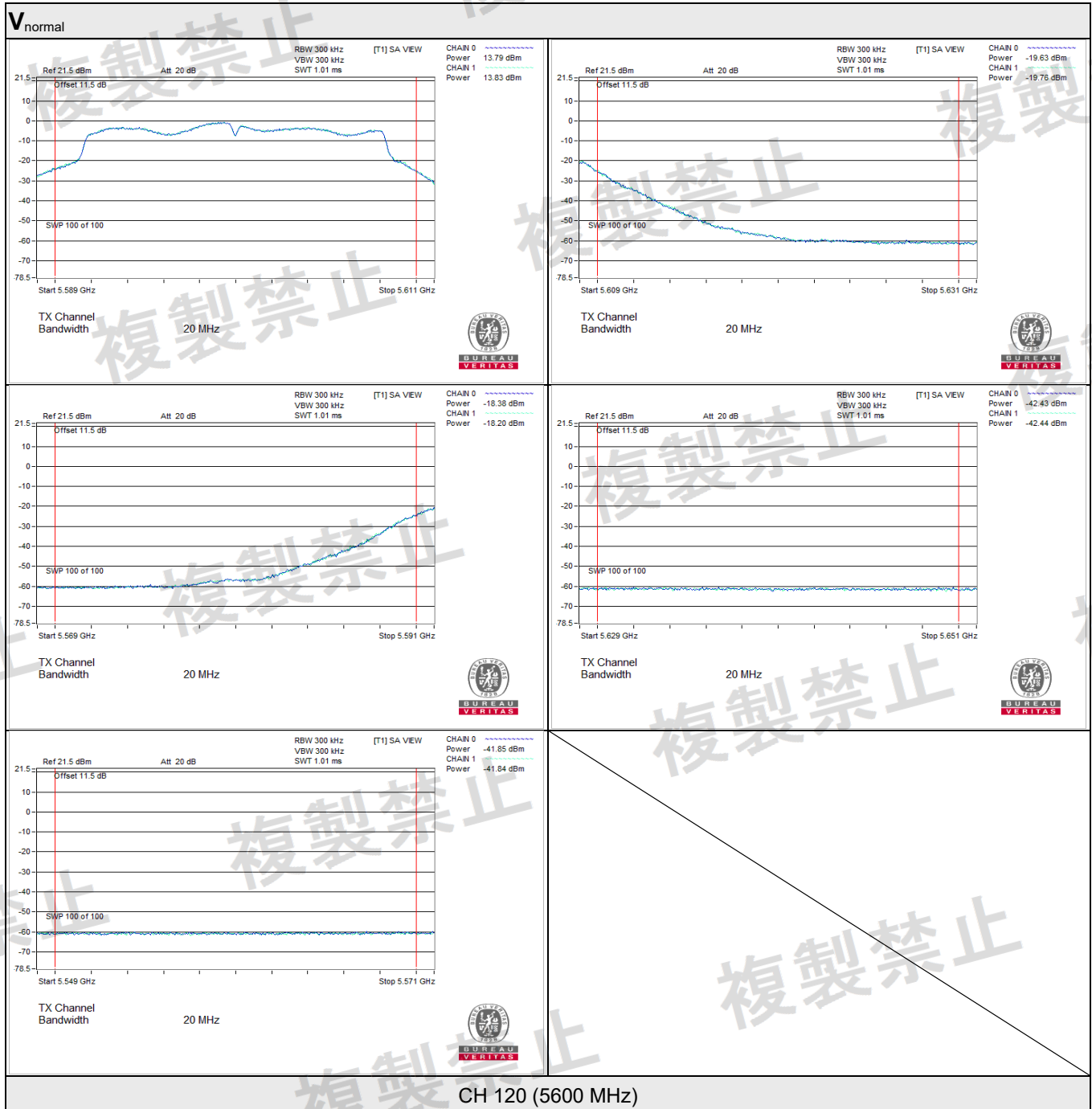
Test Condition \ Test Channel		CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	14.94	13.79	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	32.81	33.42	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	31.99	32.17	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	57.24	56.22	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	56.91	55.64	40	PASS
Test Condition \ Test Channel		CH 144 (5720 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	13.81		-	-
	Mean Power +20MHz Distance of Carrier (dBc)	33.18		25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	32.80		25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	56.14		40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	56.03		40	PASS

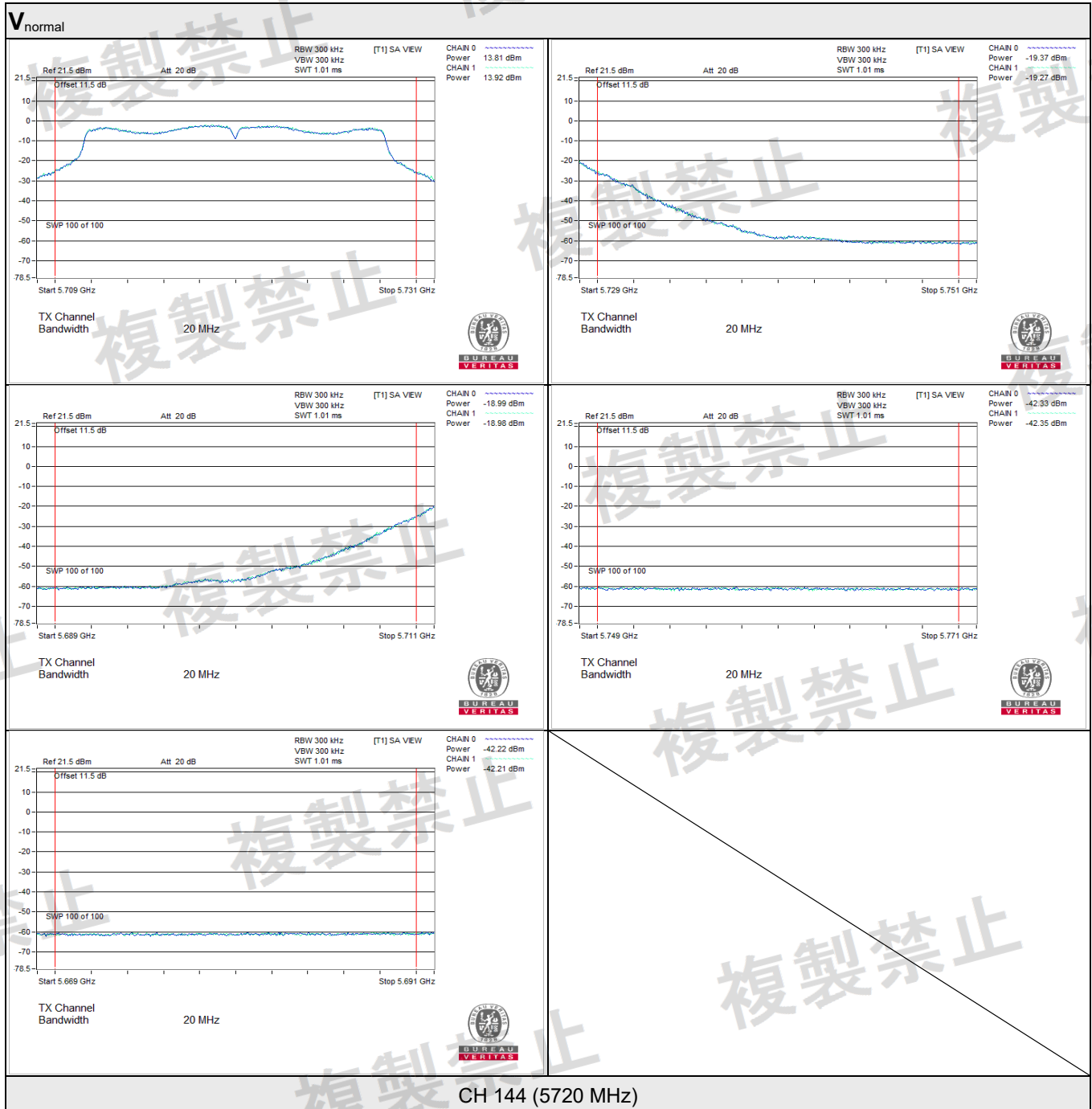
802.11a Chain 1: W56

Test Condition \ Test Channel		CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	14.93	13.83	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	32.77	33.59	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	31.95	32.03	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	57.27	56.27	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	56.95	55.67	40	PASS
Test Condition \ Test Channel		CH 144 (5720 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	13.92		-	-
	Mean Power +20MHz Distance of Carrier (dBc)	33.19		25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	32.90		25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	56.27		40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	56.13		40	PASS

802.11a Graph: W56

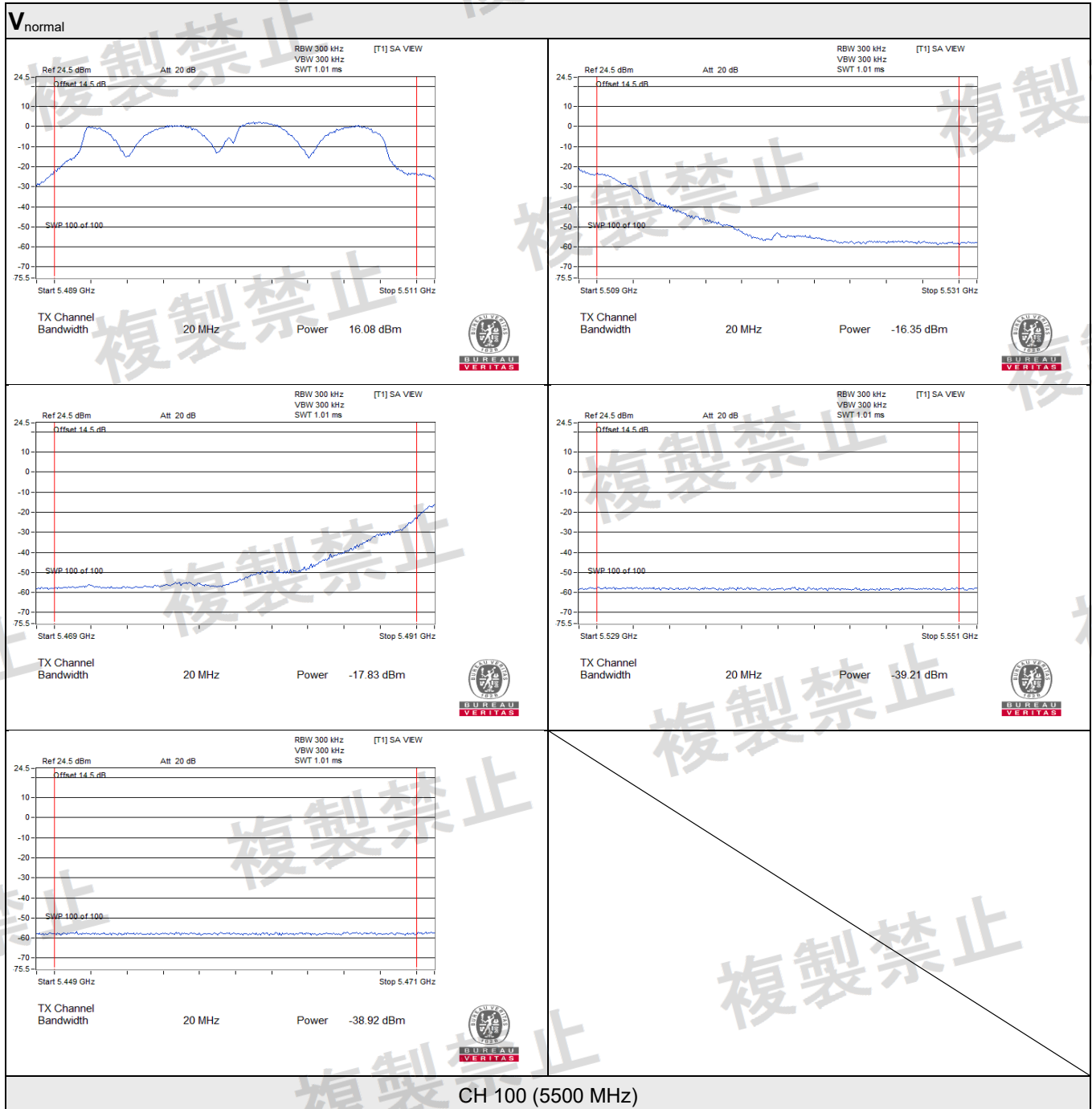


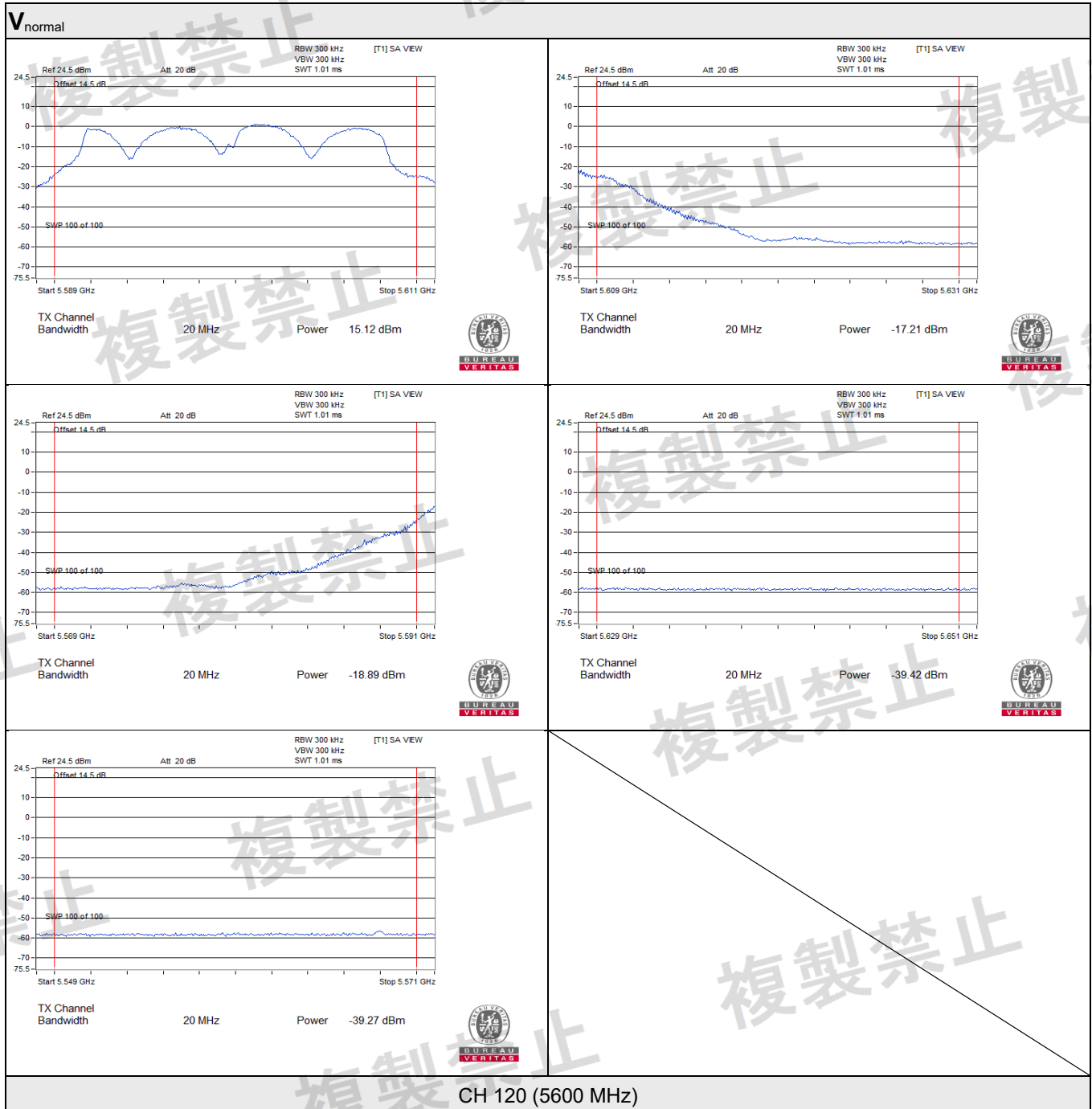


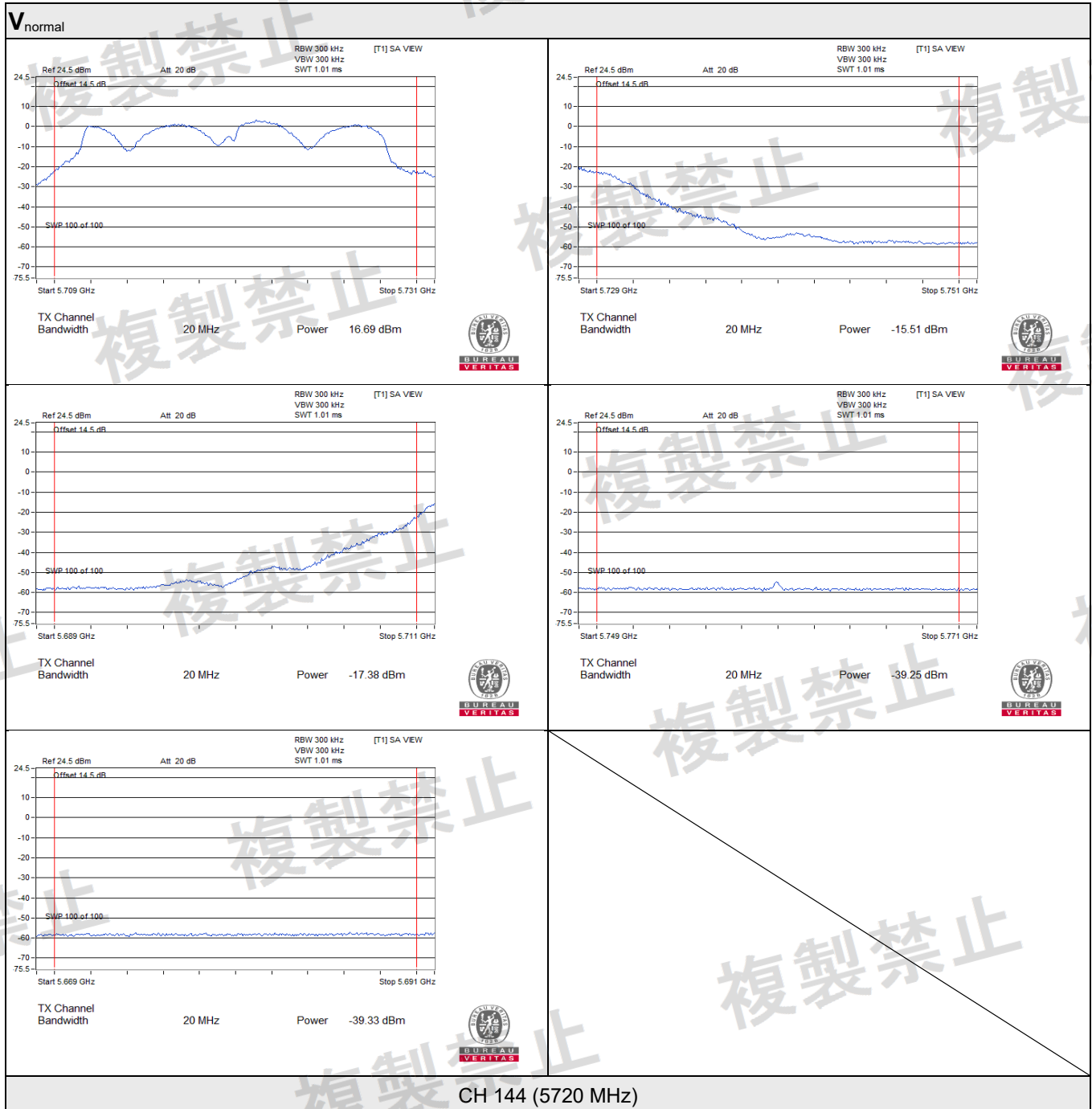


802.11a Use combiner: W56

Test Condition \ Test Channel		CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	16.08	15.12	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	32.43	32.33	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	33.91	34.01	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	55.29	54.54	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	55.00	54.39	40	PASS
Test Condition \ Test Channel		CH 144 (5720 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	16.69		-	-
	Mean Power +20MHz Distance of Carrier (dBc)	32.20		25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	34.07		25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	55.94		40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	56.02		40	PASS







802.11a Sum of each Chain: W56

TEST CHANNEL		CH 100 (5500 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	MIN. LIMIT(dBc)	RESULT
V _{normal}	Mean Power of Carrier (dBm)	17.95	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	35.80	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	34.98	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	60.27	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	59.94	40	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	16.82	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.52	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	35.11	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	59.26	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	58.67	40	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	16.88	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.20	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	35.86	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	59.22	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	59.09	40	PASS

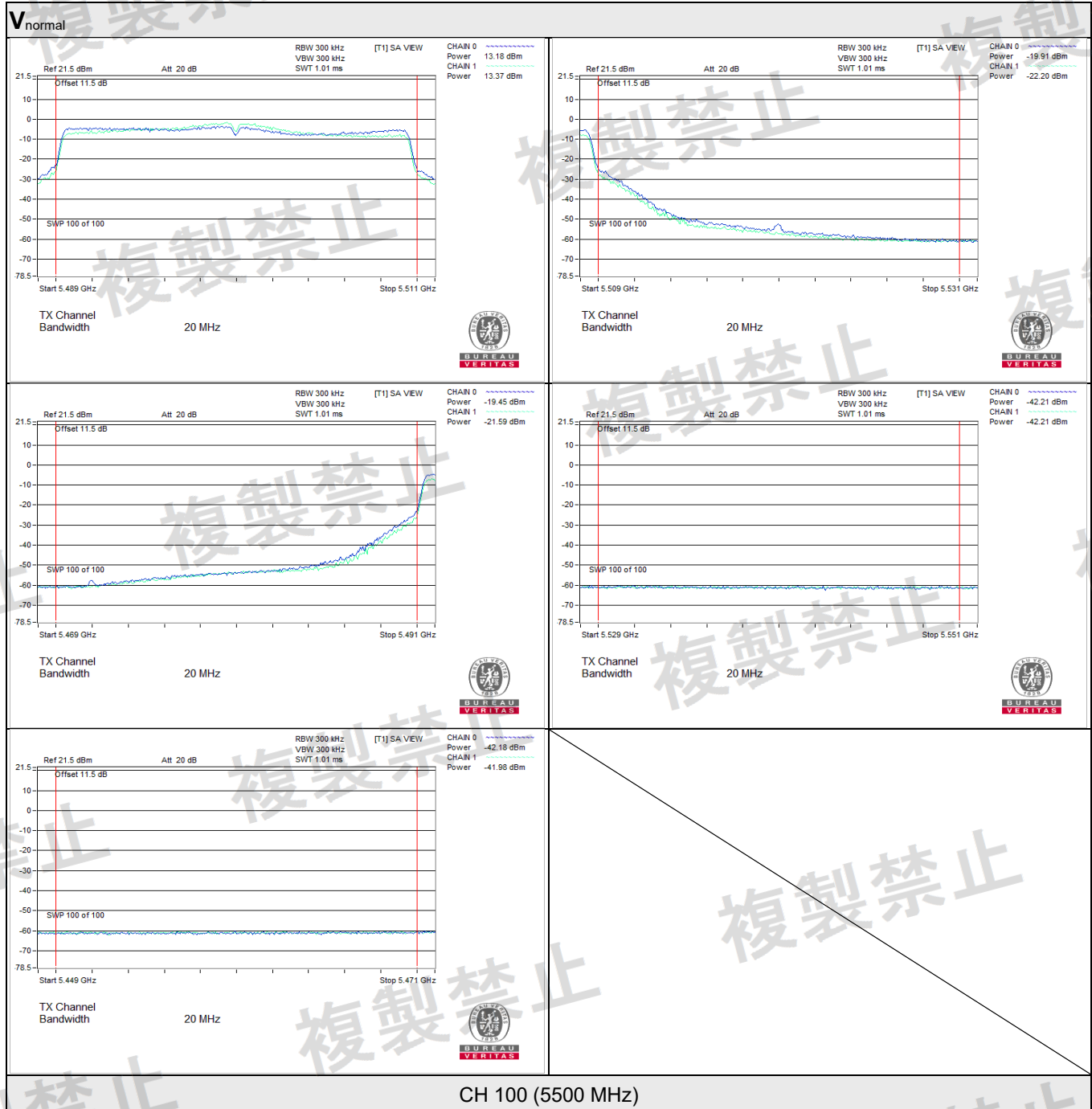
802.11be (EHT20) Chain 0: W56

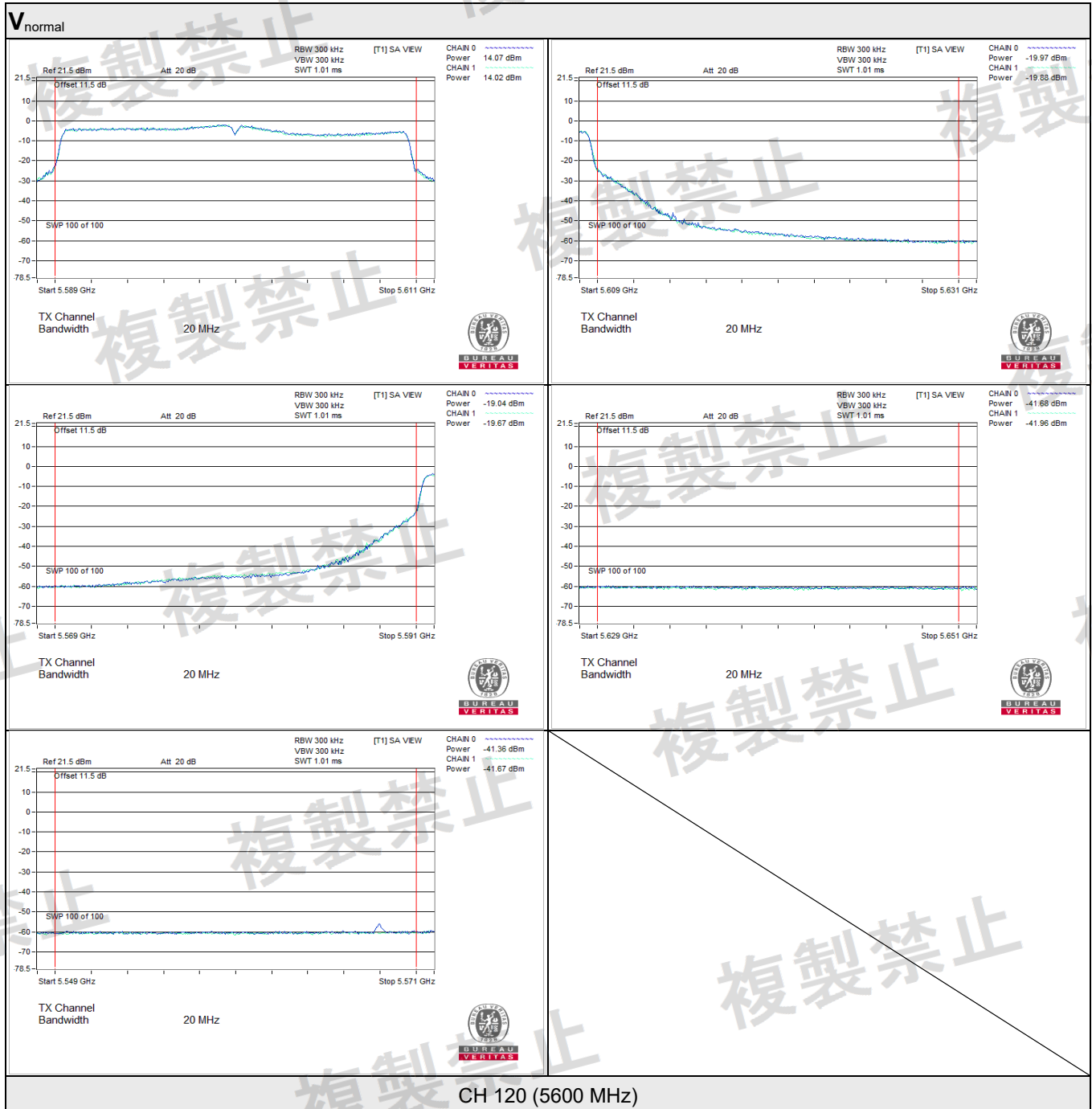
Test Condition \ Test Channel		CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	13.18	14.07	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	33.09	34.04	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	32.63	33.11	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	55.39	55.75	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	55.36	55.43	40	PASS
Test Condition \ Test Channel		CH 144 (5720 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	14.13		-	-
	Mean Power +20MHz Distance of Carrier (dBc)	34.40		25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	34.25		25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	55.79		40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	55.93		40	PASS

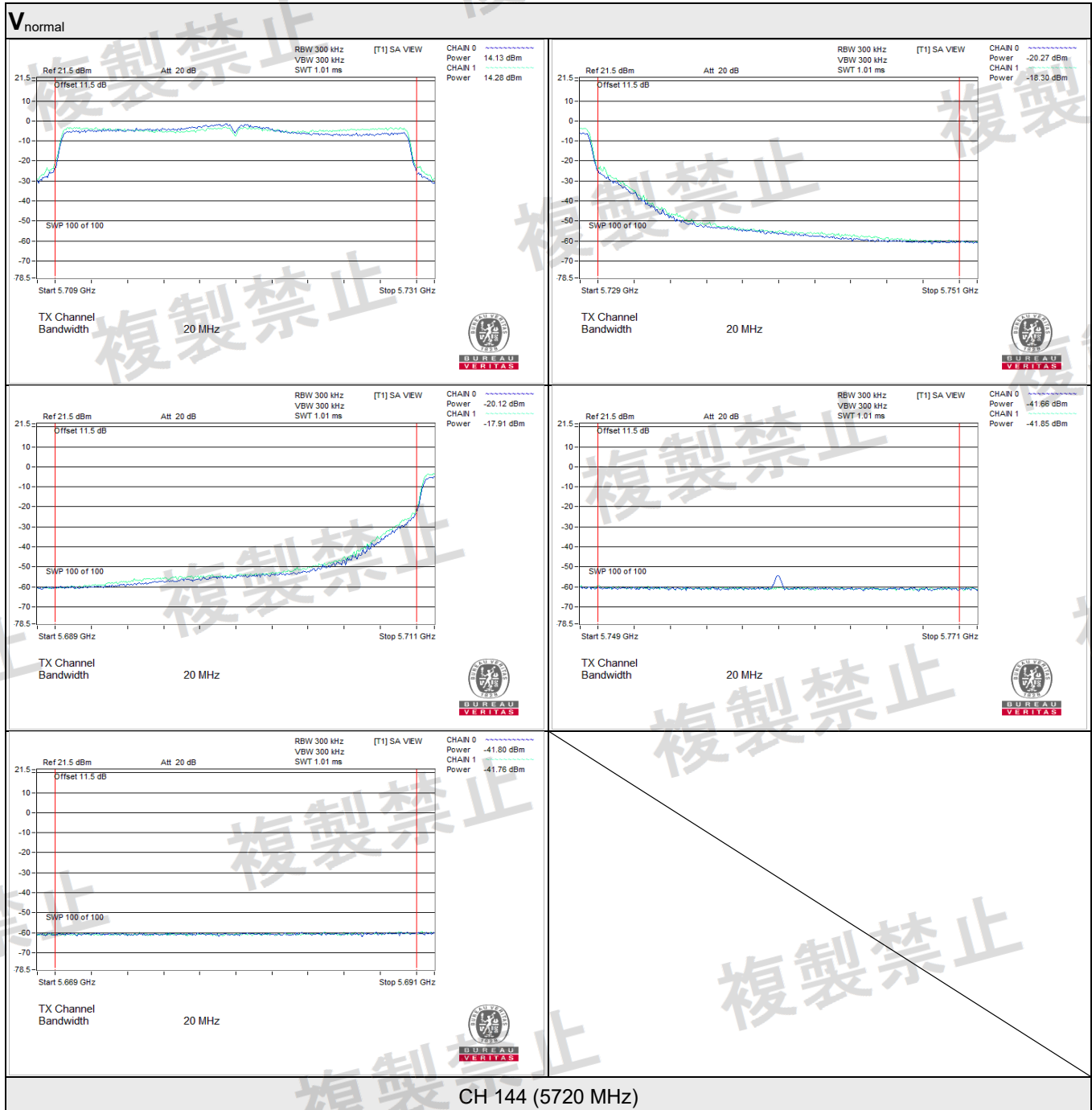
802.11be (EHT20) Chain 1: W56

Test Condition \ Test Channel		CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	13.37	14.02	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	35.57	33.90	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	34.96	33.69	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	55.58	55.98	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	55.35	55.69	40	PASS
Test Condition \ Test Channel		CH 144 (5720 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	14.28		-	-
	Mean Power +20MHz Distance of Carrier (dBc)	32.58		25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	32.19		25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	56.13		40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	56.04		40	PASS

802.11be (EHT20) Graph: W56

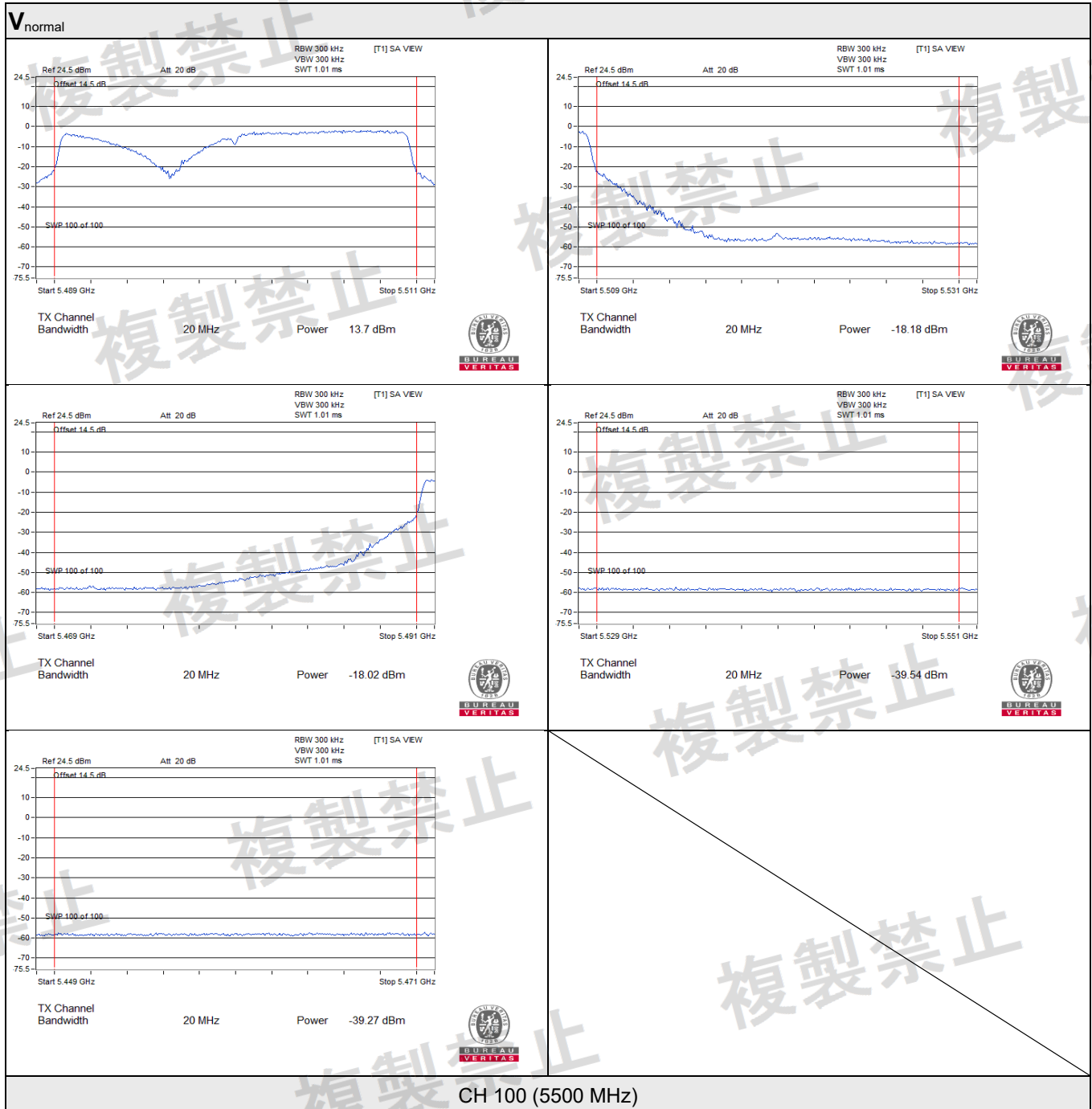


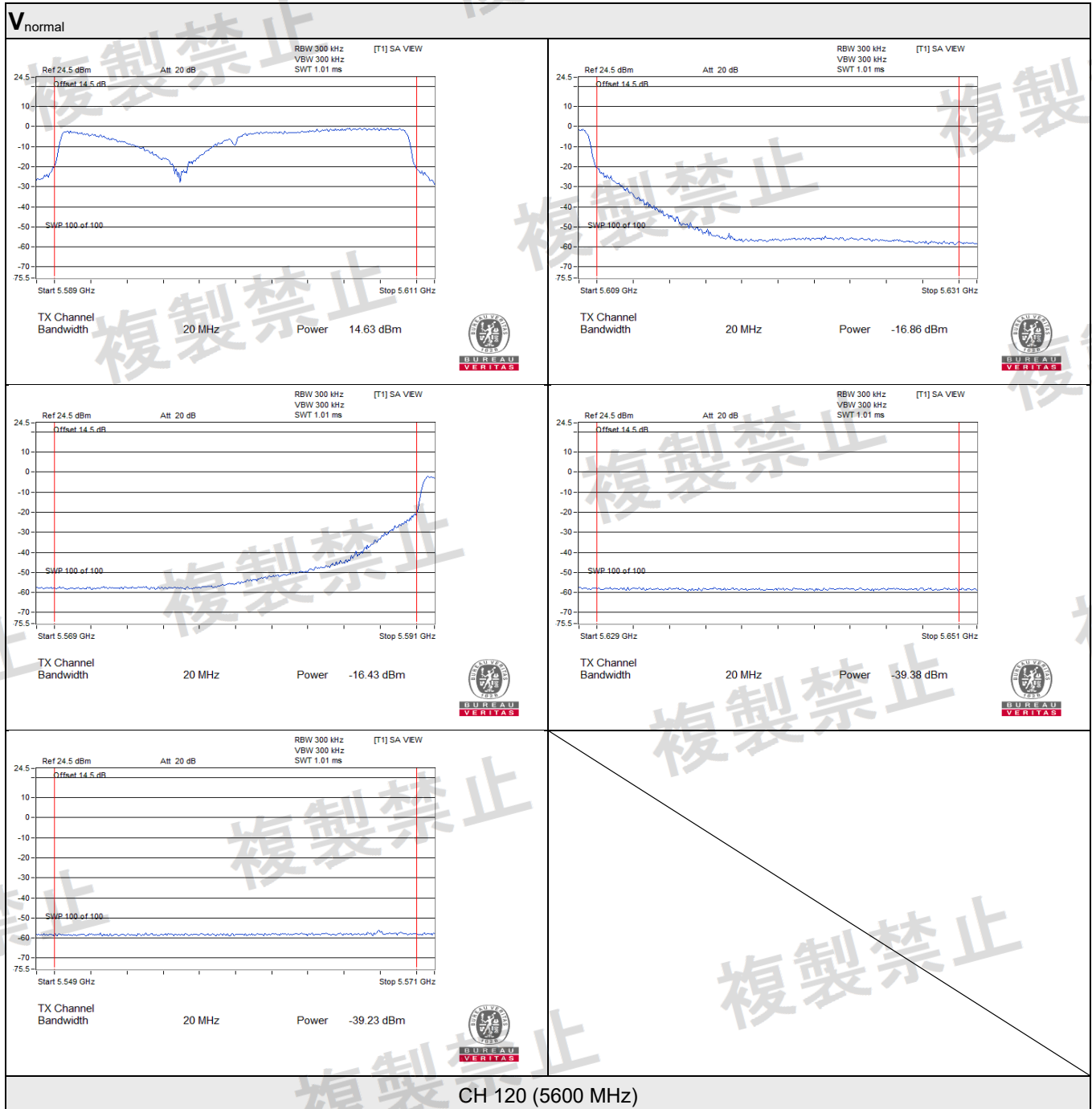


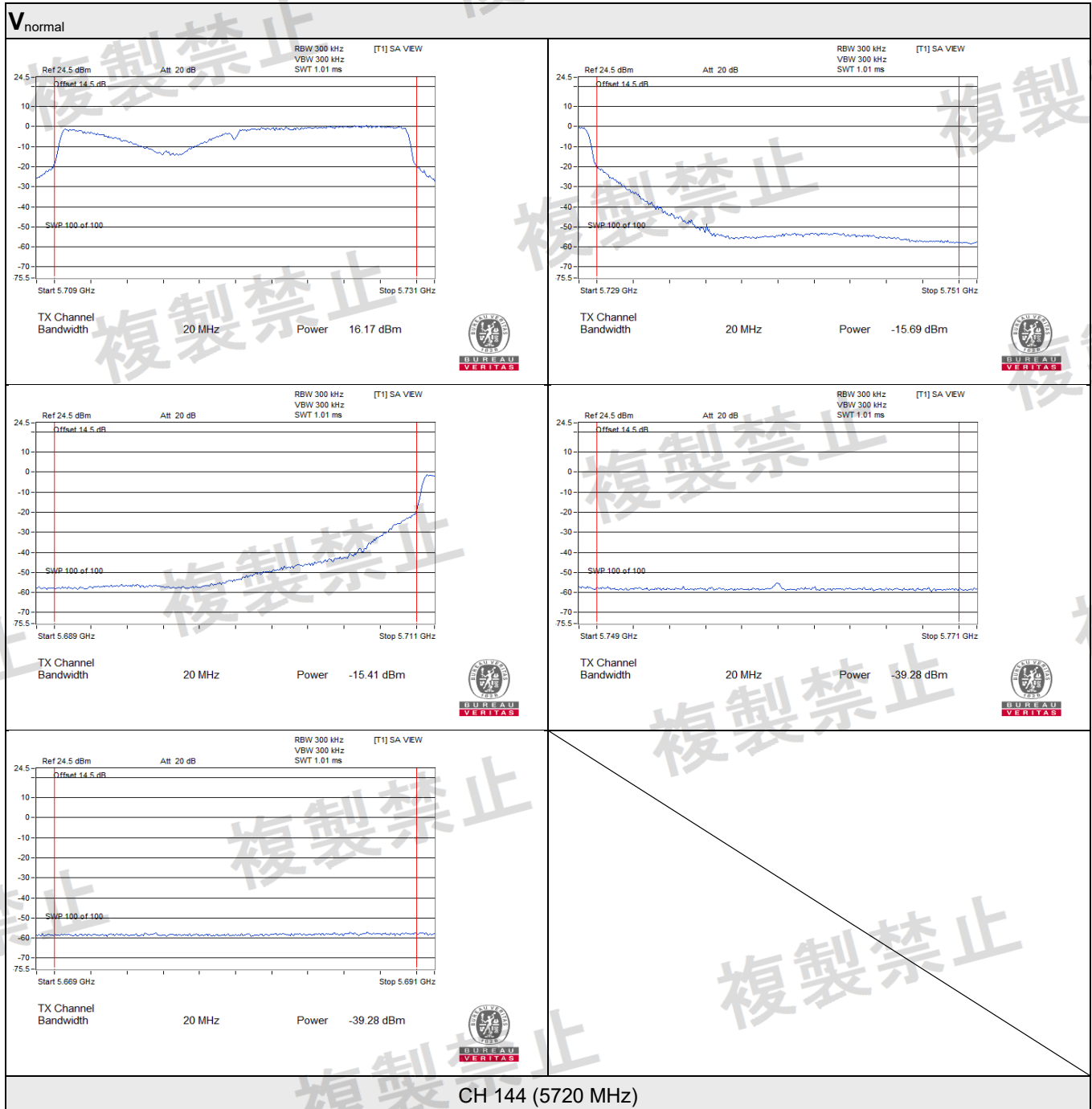


802.11be (EHT20) Use combiner: W56

Test Condition		Test Channel	CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)		13.70	14.63	-	-
	Mean Power +20MHz Distance of Carrier (dBc)		31.88	31.49	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)		31.72	31.06	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)		53.24	54.01	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)		52.97	53.86	40	PASS
Test Condition		Test Channel	CH 144 (5720 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)		16.17		-	-
	Mean Power +20MHz Distance of Carrier (dBc)		31.86		25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)		31.58		25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)		55.45		40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)		55.45		40	PASS







802.11be (EHT20) Sum of each Chain: W56

TEST CHANNEL		CH 100 (5500 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	MIN. LIMIT(dBc)	RESULT
V _{normal}	Mean Power of Carrier (dBm)	16.29	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	37.51	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	36.96	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	58.50	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	58.37	40	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	17.06	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.98	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	36.42	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	58.88	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	58.57	40	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	17.22	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.59	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	36.35	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	58.97	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	59.00	40	PASS

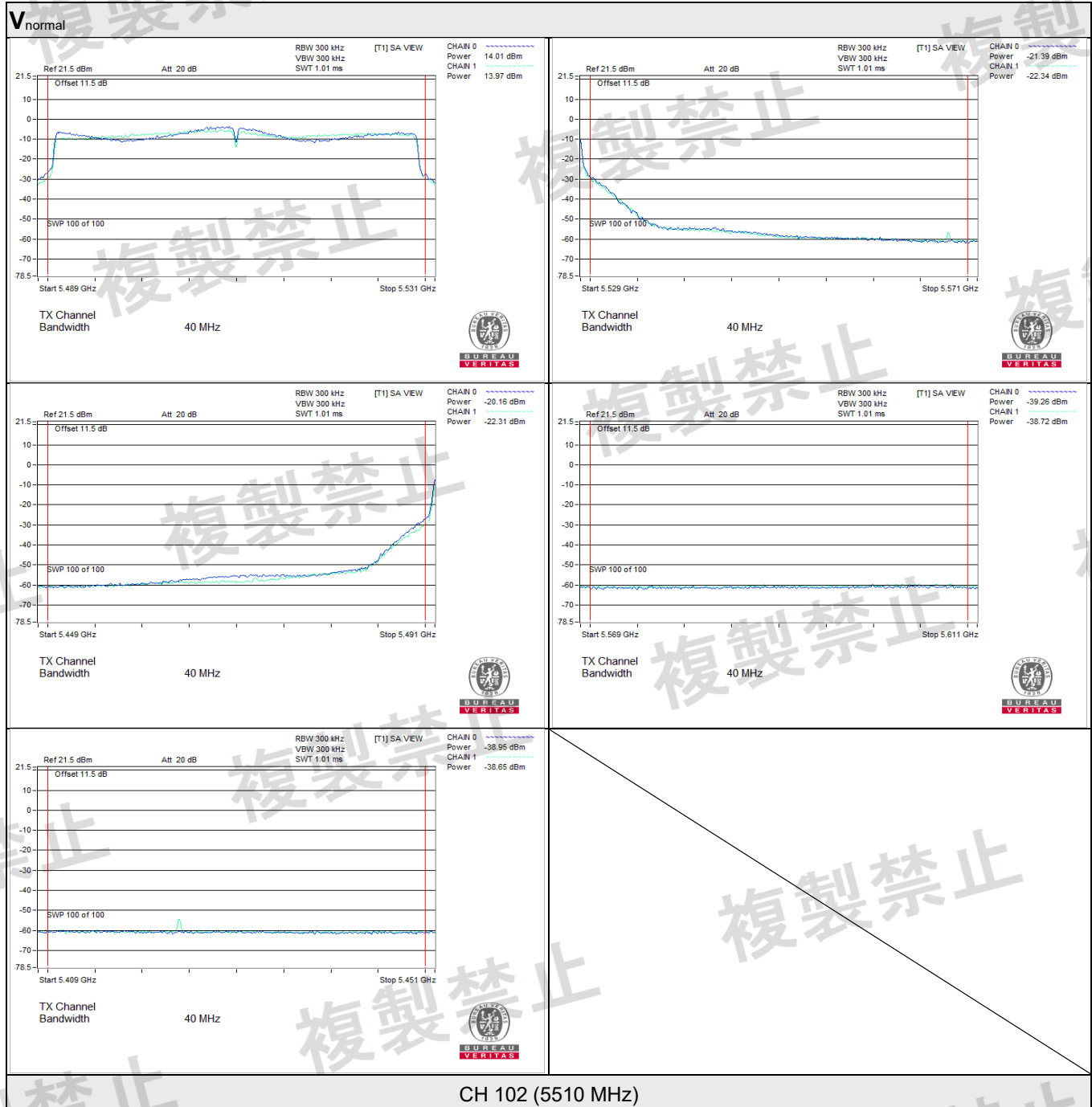
802.11be (EHT40) Chain 0: W56

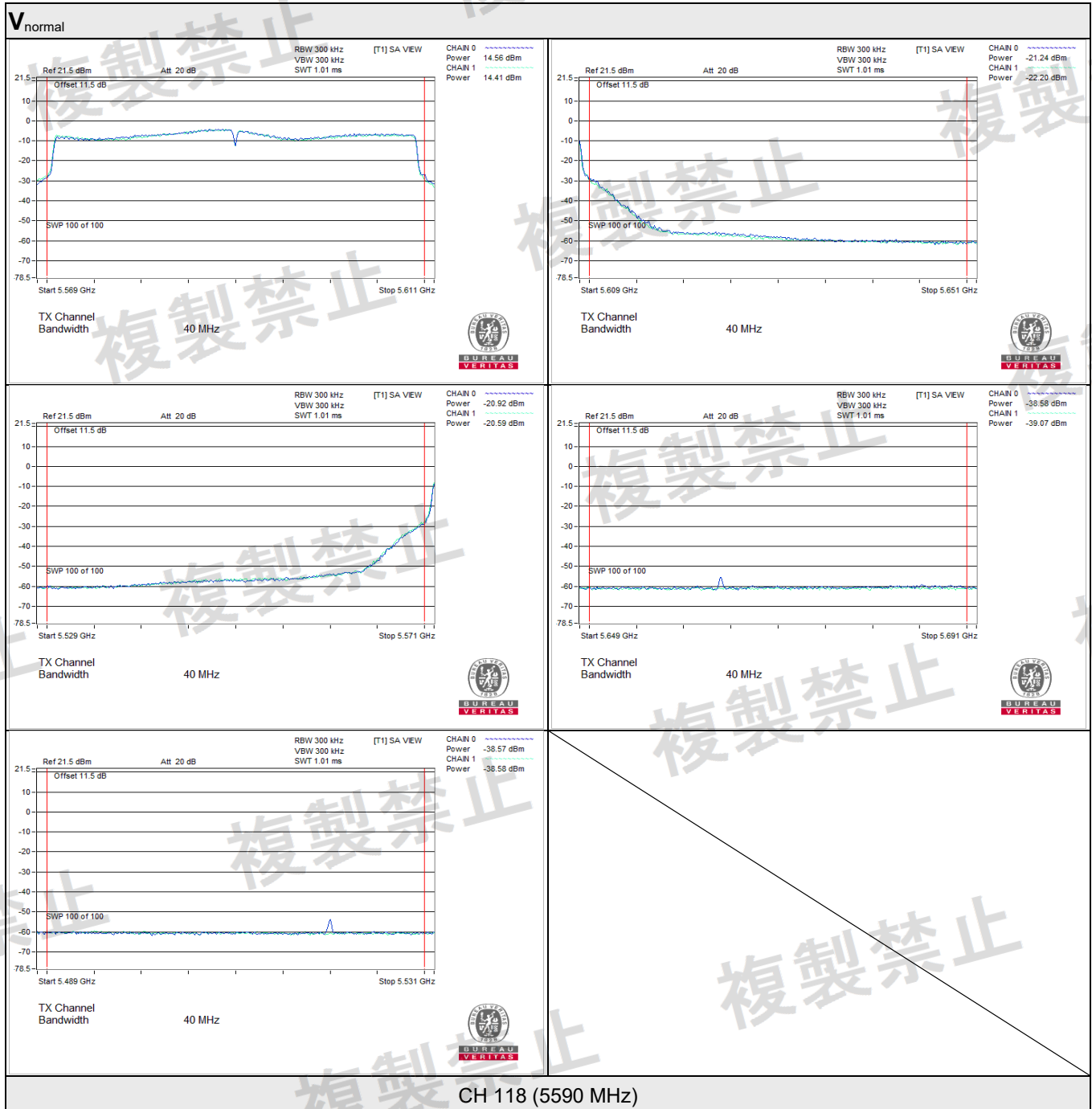
Test Condition \ Test Channel		CH 102 (5510 MHz)	CH 118 (5590 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	14.01	14.56	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	35.40	35.80	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	34.17	35.48	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	53.27	53.14	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	52.96	53.13	40	PASS
Test Condition \ Test Channel		CH 142 (5710 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	14.97		-	-
	Mean Power +40MHz Distance of Carrier (dBc)	35.56		25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	35.42		25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	53.28		40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	53.32		40	PASS

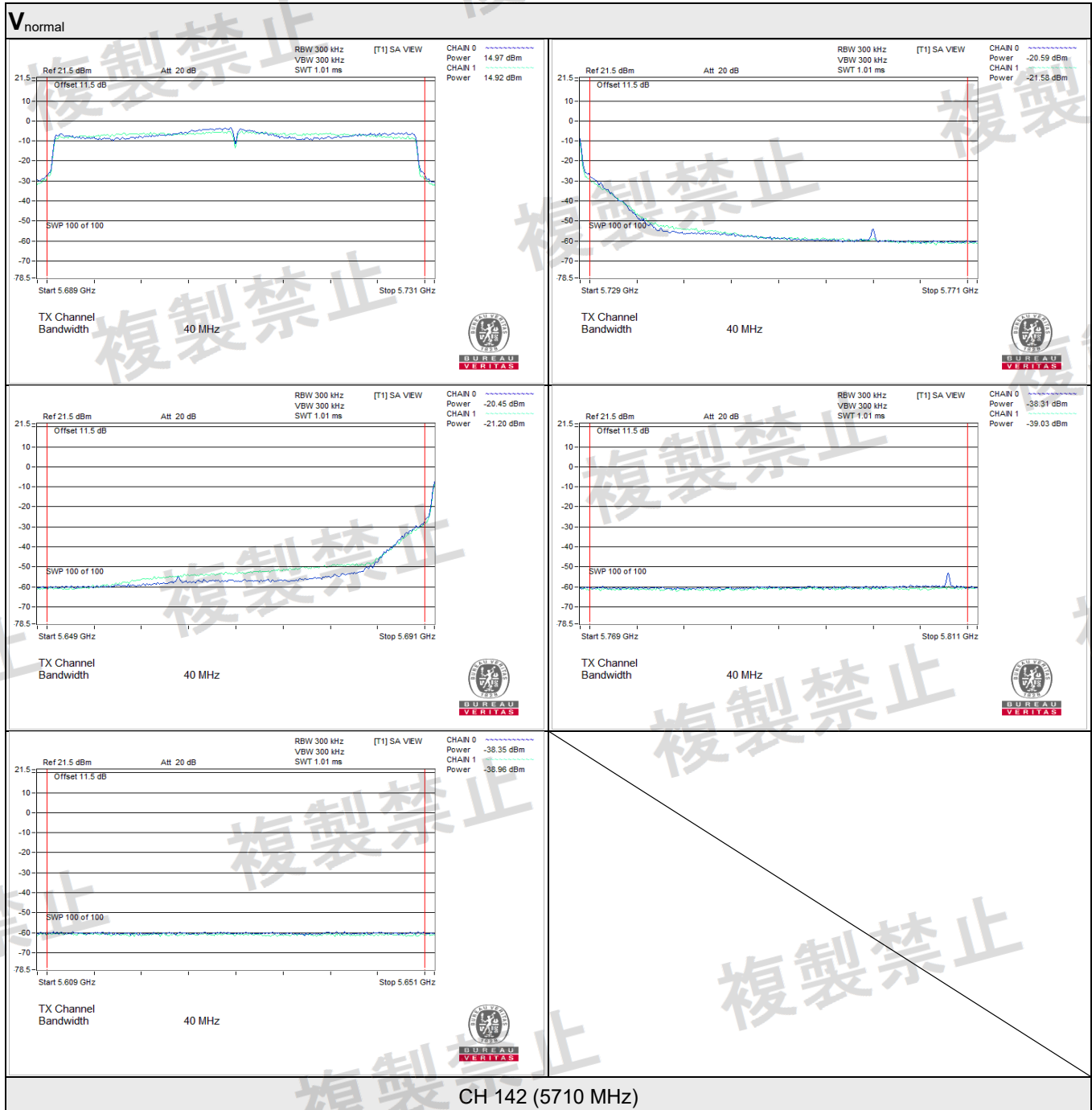
802.11be (EHT40) Chain 1: W56

Test Condition \ Test Channel		CH 102 (5510 MHz)	CH 118 (5590 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	13.97	14.41	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	36.31	36.61	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	36.28	35.00	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	52.69	53.48	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	52.62	52.99	40	PASS
Test Condition \ Test Channel		CH 142 (5710 MHz)		Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	14.92		-	-
	Mean Power +40MHz Distance of Carrier (dBc)	36.50		25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	36.12		25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	53.95		40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	53.88		40	PASS

802.11be (EHT40) Graph: W56







802.11be (EHT40) Use combiner: W56

Test Condition \ Test Channel		CH 102 (5510 MHz)	CH 118 (5590 MHz)	Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)	14.82	15.39	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	37.08	37.69	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	37.45	38.24	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	51.28	51.72	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	50.87	51.67	40	PASS
Test Condition \ Test Channel		CH 142 (5710 MHz)		Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)	16.72		-	-
	Mean Power +40MHz Distance of Carrier (dBc)	36.56		25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	37.94		25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	52.49		40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	52.72		40	PASS







802.11be (EHT40) Sum of each Chain: W56

TEST CHANNEL		CH 102 (5510 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	MIN. LIMIT(dBc)	RESULT
V _{normal}	Mean Power of Carrier (dBm)	17.00	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	38.89	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	38.36	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	56.00	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	55.80	40	PASS
TEST CHANNEL		CH 118 (5590 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	17.50	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	39.23	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	38.26	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	56.32	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	56.07	40	PASS
TEST CHANNEL		CH 142 (5710 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	17.96	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	39.07	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	38.79	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	56.64	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	56.62	40	PASS

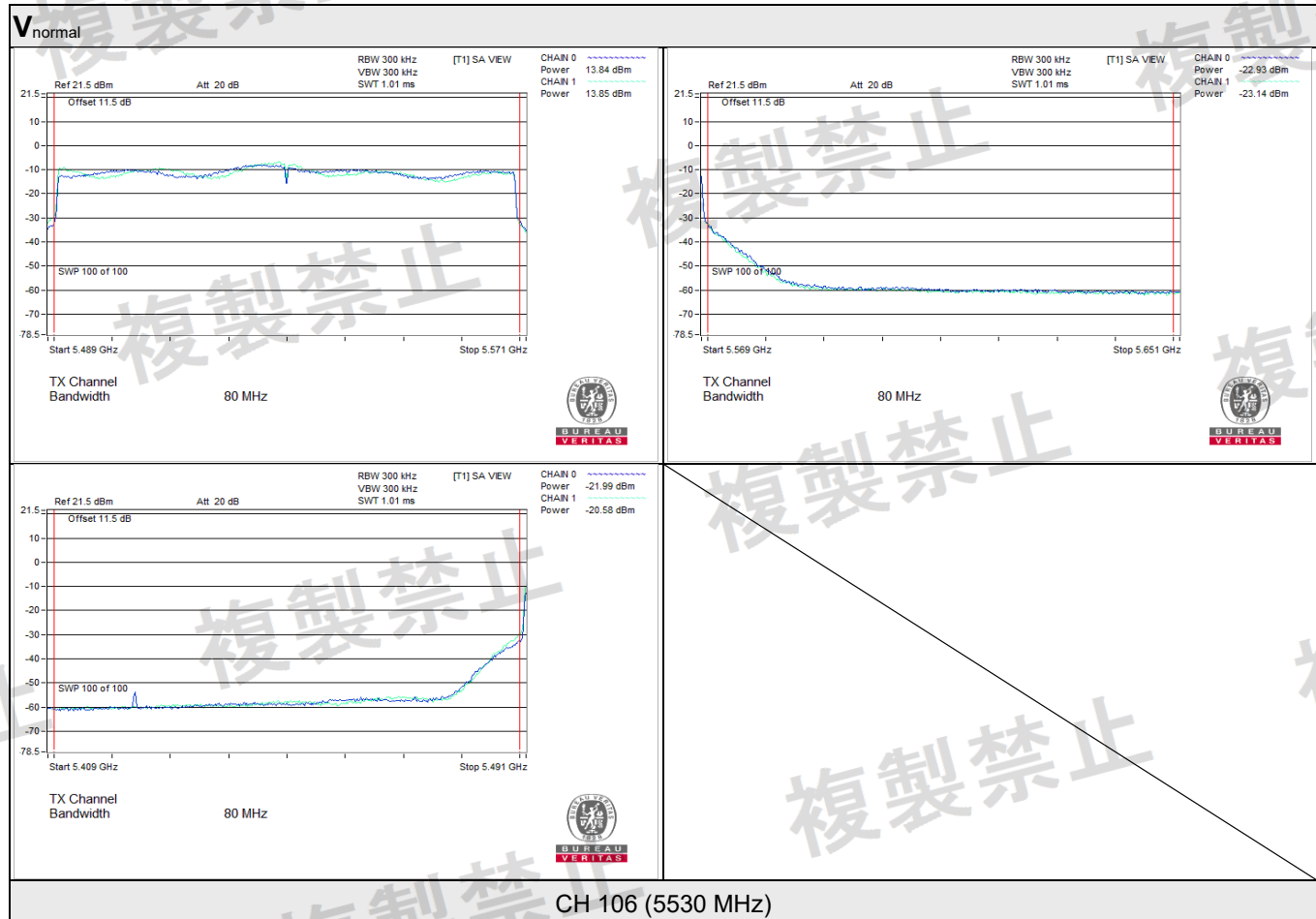
802.11be (EHT80) Chain 0: W56

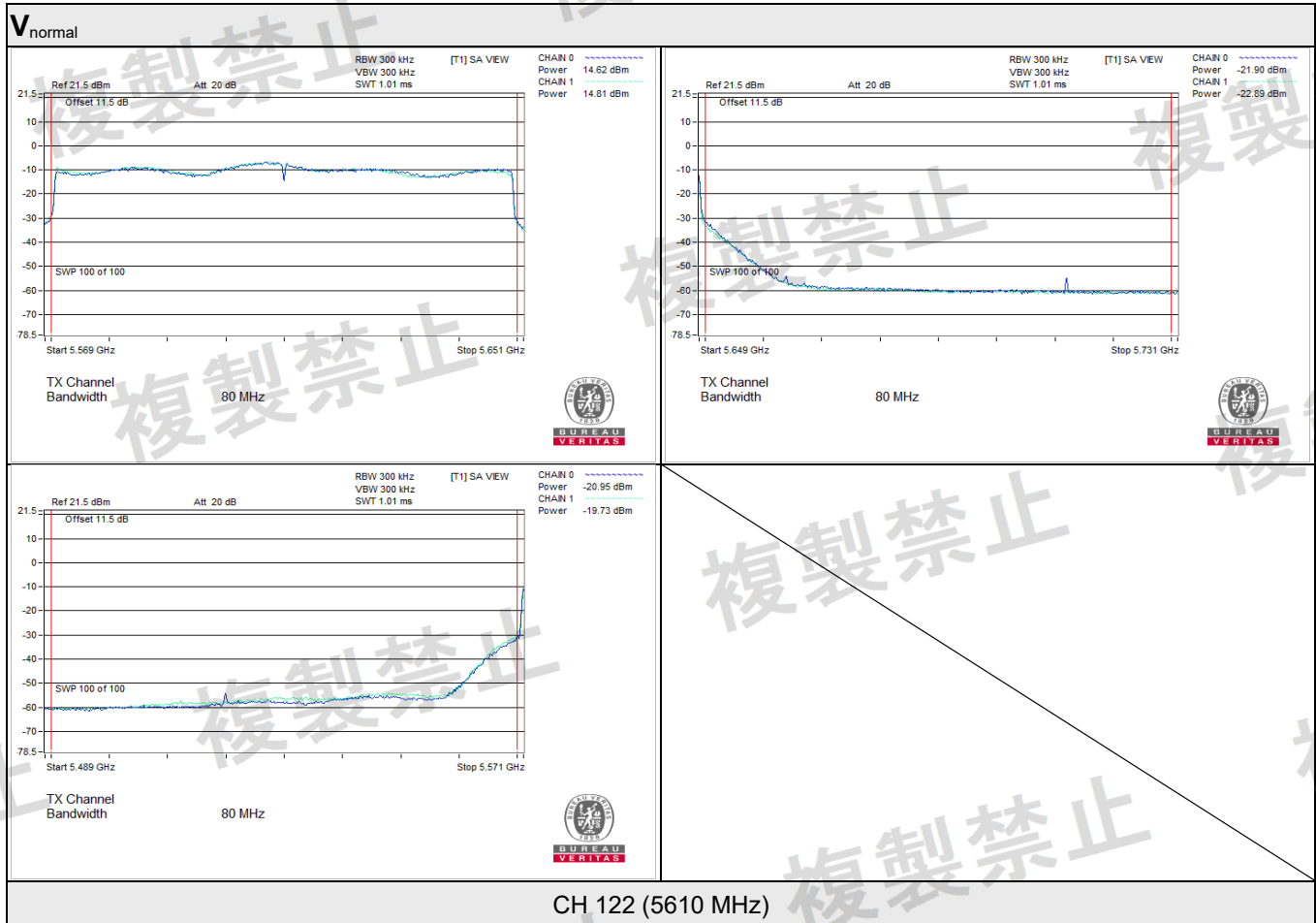
Test Condition		Test Channel	CH 106 (5530 MHz)	CH 122 (5610 MHz)	Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		13.84	14.62	-	-
	Mean Power +80MHz Distance of Carrier (dBc)		36.77	36.52	25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)		35.83	35.57	25	PASS
Test Condition		Test Channel	CH 138 (5690 MHz)		Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		15.79		-	-
	Mean Power +80MHz Distance of Carrier (dBc)		36.22		25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)		35.32		25	PASS

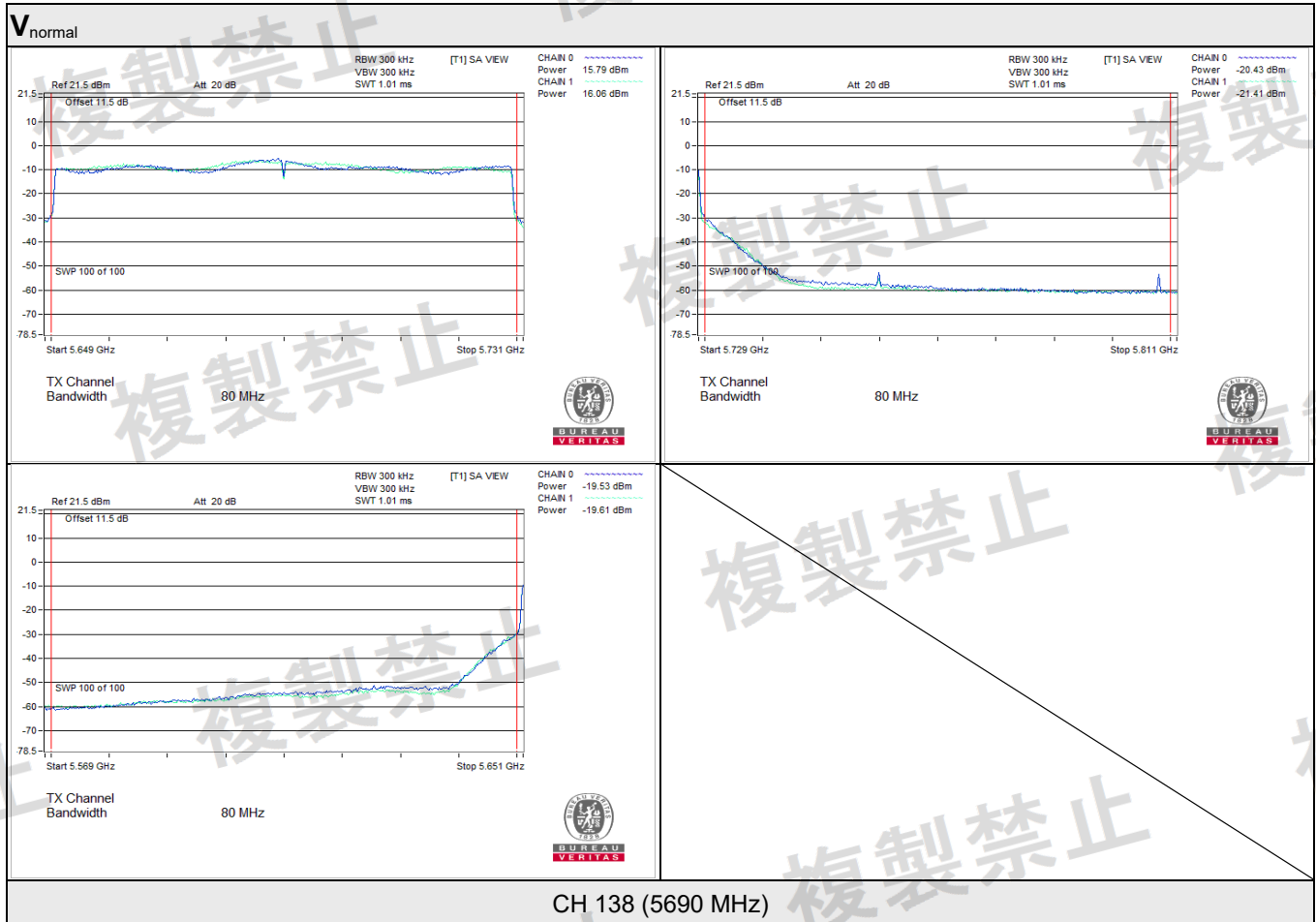
802.11be (EHT80) Chain 1: W56

Test Condition		Test Channel	CH 106 (5530 MHz)	CH 122 (5610 MHz)	Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		13.85	14.81	-	-
	Mean Power +80MHz Distance of Carrier (dBc)		36.99	37.70	25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)		34.43	34.54	25	PASS
Test Condition		Test Channel	CH 138 (5690 MHz)		Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		16.06		-	-
	Mean Power +80MHz Distance of Carrier (dBc)		37.47		25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)		35.67		25	PASS

802.11be (EHT80) Graph: W56

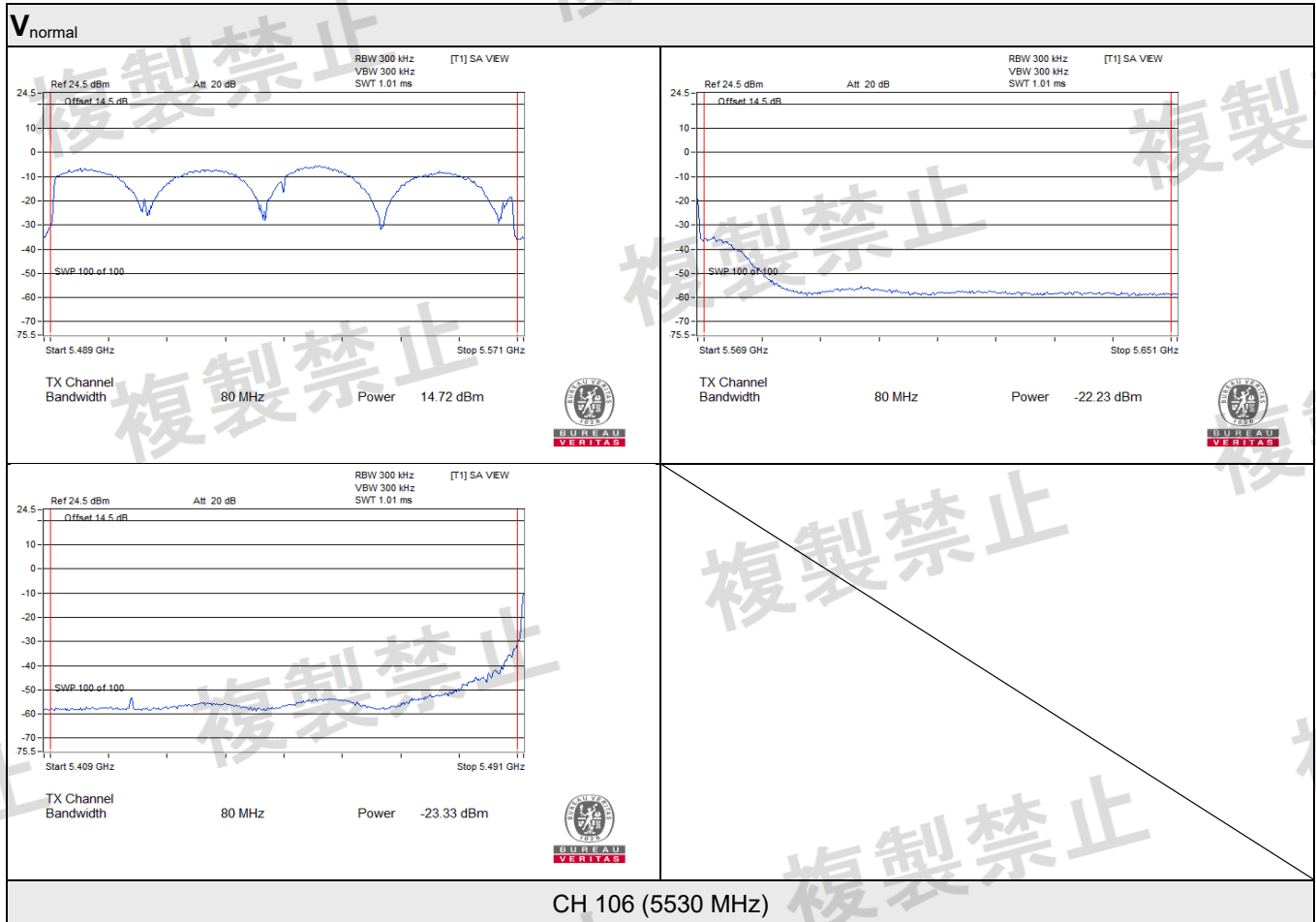


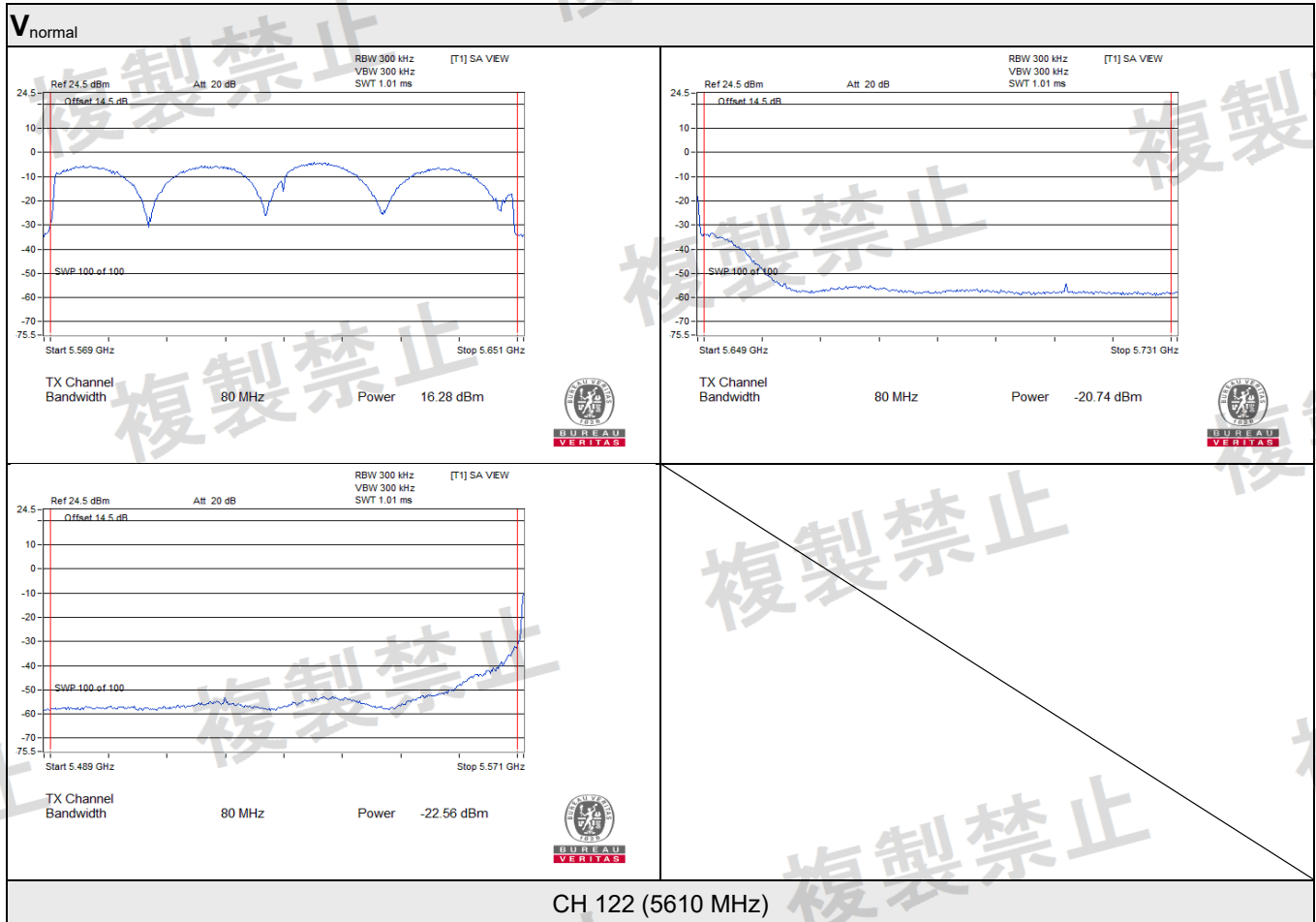


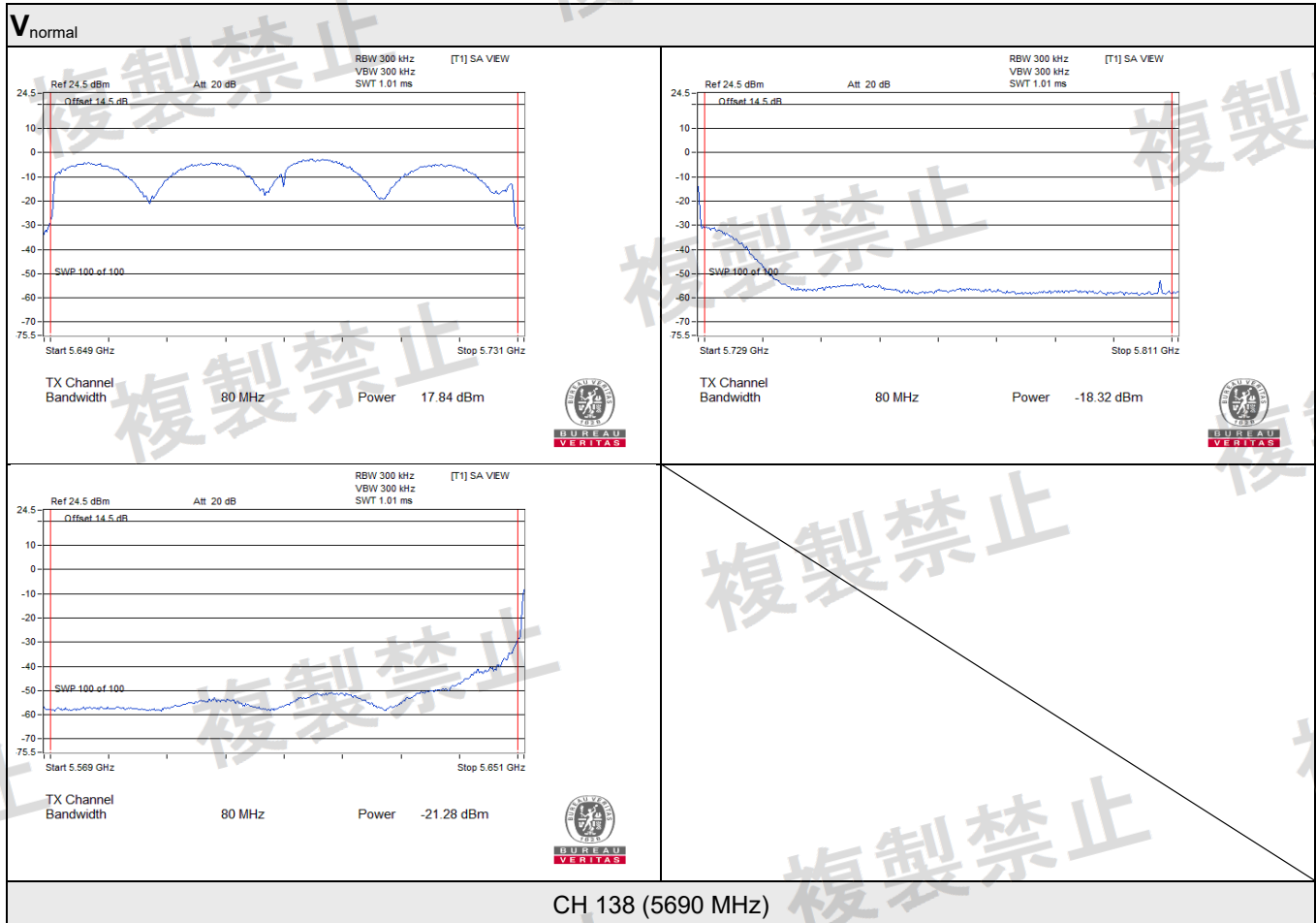


802.11be (EHT80) Use combiner: W56

Test Condition		Test Channel	CH 106 (5530 MHz)	CH 122 (5610 MHz)	Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		14.72	16.28	-	-
	Mean Power +80MHz Distance of Carrier (dBc)		36.95	37.02	25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)		38.05	38.84	25	PASS
Test Condition		Test Channel	CH 138 (5690 MHz)		Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		17.84		-	-
	Mean Power +80MHz Distance of Carrier (dBc)		36.16		25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)		39.12		25	PASS







802.11be (EHT80) Sum of each Chain: W56

TEST CHANNEL		CH 106 (5530 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	MIN. LIMIT(dBc)	RESULT
V _{normal}	Mean Power of Carrier (dBm)	16.86	-	-
	Mean Power +80MHz Distance of Carrier (dBc)	39.89	25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	38.20	25	PASS
TEST CHANNEL		CH 122 (5610 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	17.73	-	-
	Mean Power +80MHz Distance of Carrier (dBc)	40.16	25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	38.10	25	PASS
TEST CHANNEL		CH 138 (5690 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	18.94	-	-
	Mean Power +80MHz Distance of Carrier (dBc)	39.90	25	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	38.51	25	PASS

7.7 Burst Length

Environmental Conditions:	25°C, 65% RH	Tested By:	Wayne Lin
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External Antenna (Mode A)

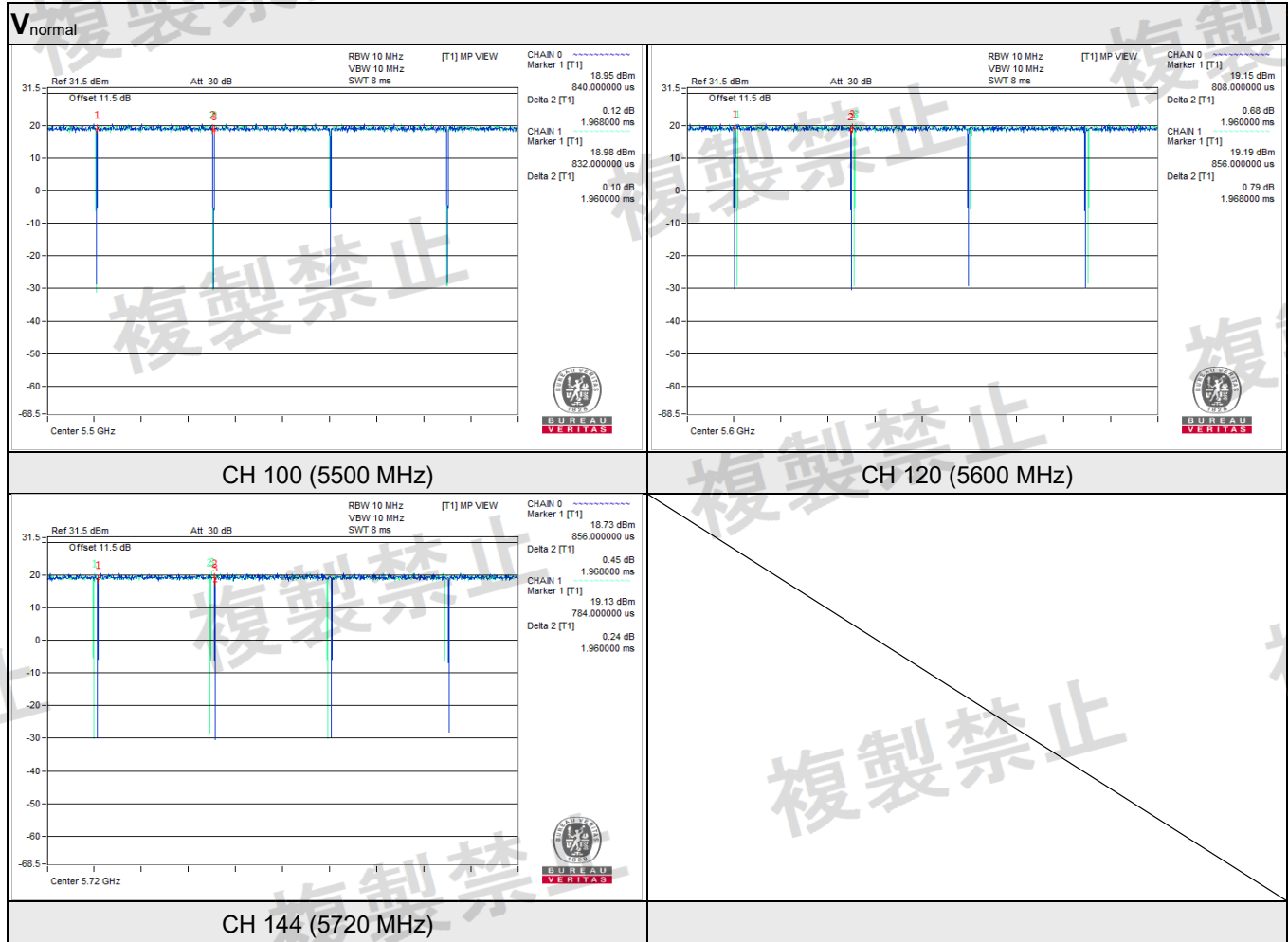
802.11a Chain 0

TEST CONDITION	Burst Length (ms)		
	CH 100 (5500 MHz)	CH 120 (5600 MHz)	CH 144 (5720 MHz)
V _{normal}	1.97	1.96	1.97
Limit	≤ 8 ms		
Result	PASS		

802.11a Chain 1

TEST CONDITION	Burst Length (ms)		
	CH 100 (5500 MHz)	CH 120 (5600 MHz)	CH 144 (5720 MHz)
V _{normal}	1.96	1.97	1.96
Limit	≤ 8 ms		
Result	PASS		

802.11a Graph



802.11a Use combiner

TEST CONDITION	Burst Length (ms)		
	CH 100 (5500 MHz)	CH 120 (5600 MHz)	CH 144 (5720 MHz)
V_{normal}	1.94	1.95	1.95
Limit	≤ 8 ms		
Result	PASS		



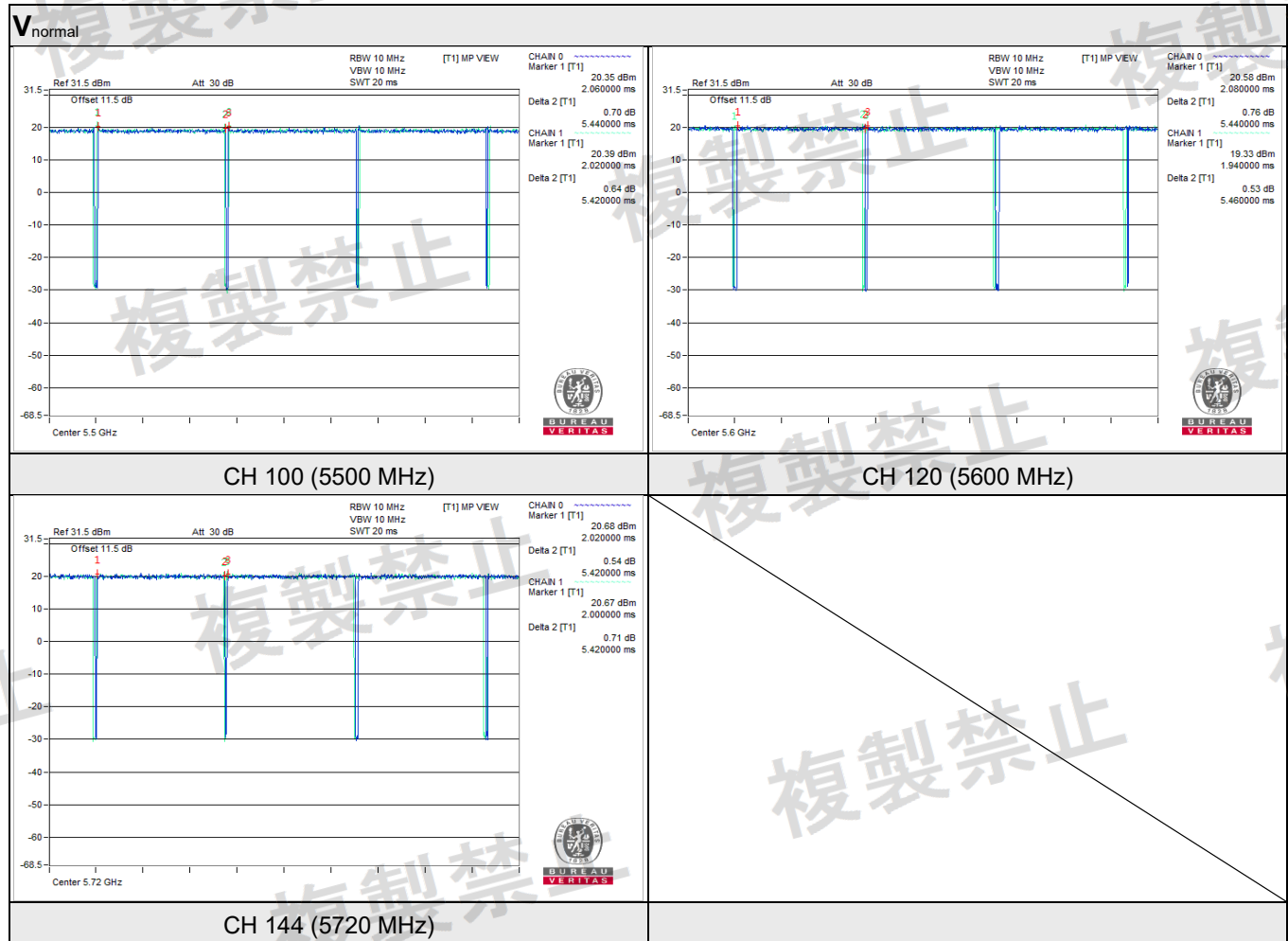
802.11be (EHT20) Chain 0

TEST CONDITION	Burst Length (ms)		
	CH 100 (5500 MHz)	CH 120 (5600 MHz)	CH 144 (5720 MHz)
V_{normal}	5.44	5.44	5.42
Limit	≤ 8 ms		
Result	PASS		

802.11be (EHT20) Chain 1

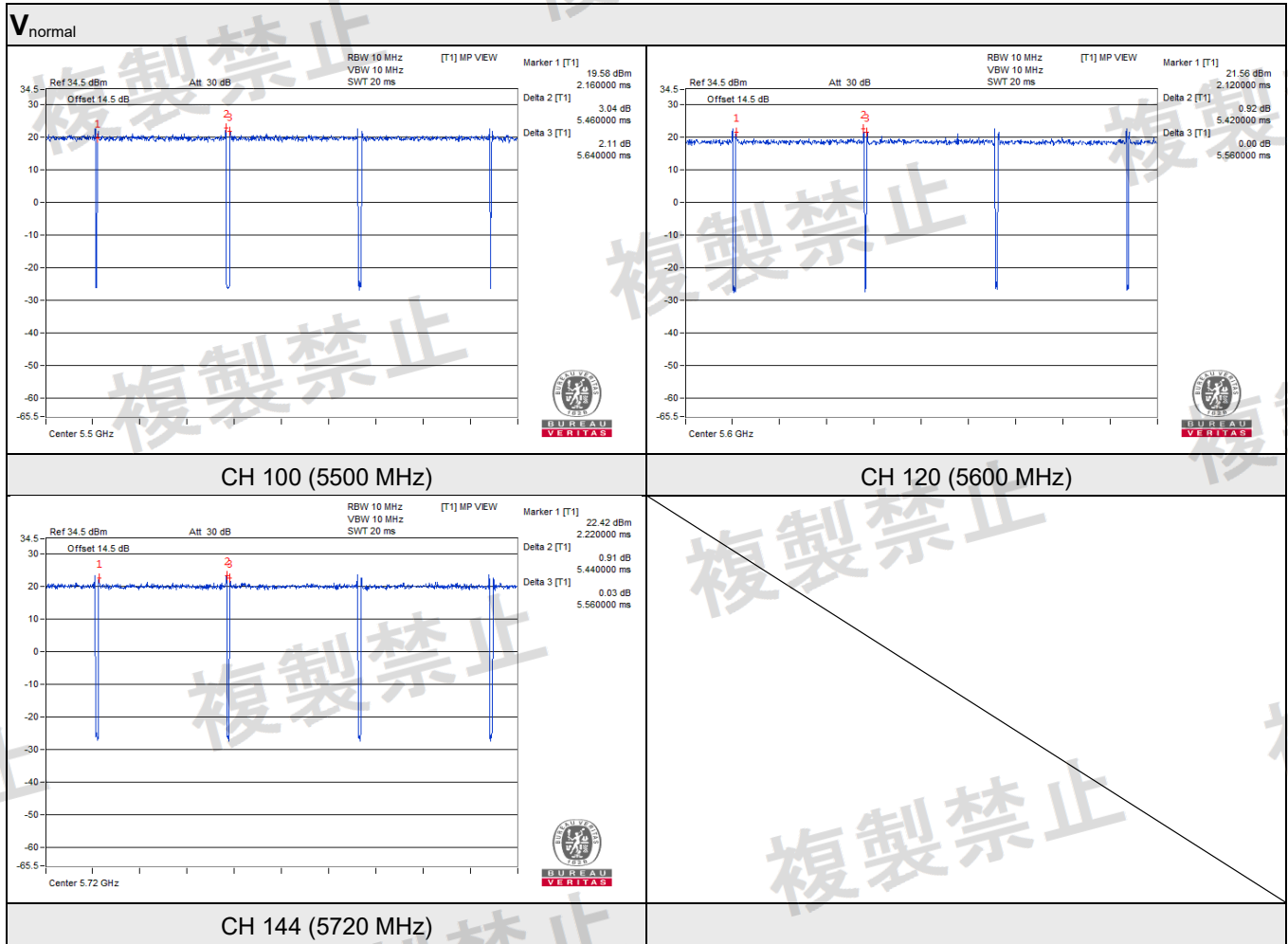
TEST CONDITION	Burst Length (ms)		
	CH 100 (5500 MHz)	CH 120 (5600 MHz)	CH 144 (5720 MHz)
V_{normal}	5.42	5.46	5.42
Limit	≤ 8 ms		
Result	PASS		

802.11be (EHT20) Graph



802.11be (EHT20) Use combiner

TEST CONDITION	Burst Length (ms)		
	CH 100 (5500 MHz)	CH 120 (5600 MHz)	CH 144 (5720 MHz)
V_{normal}	5.46	5.42	5.44
Limit	≤ 8 ms		
Result	PASS		



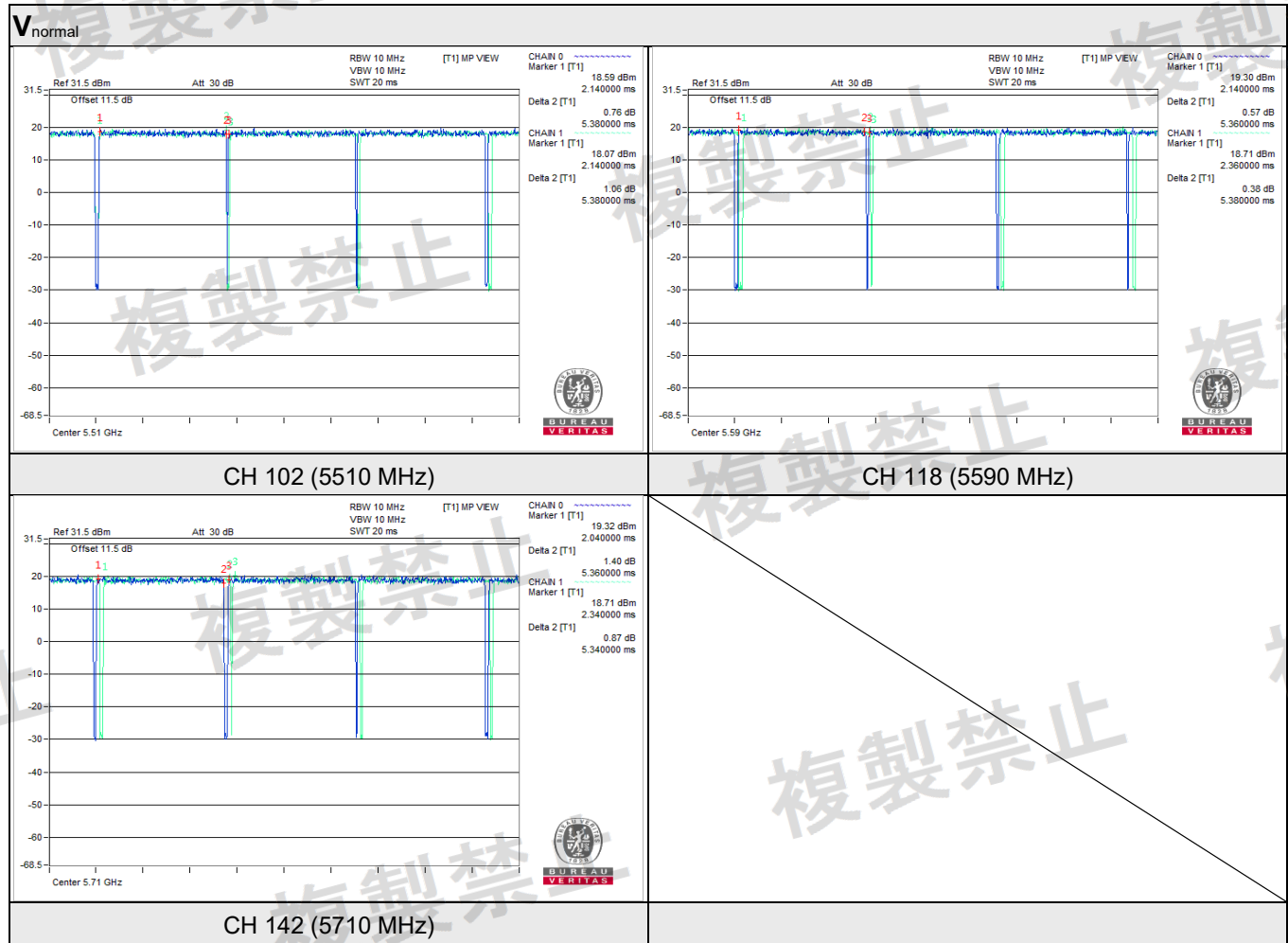
802.11be (EHT40) Chain 0

TEST CONDITION	Burst Length (ms)		
	CH 102 (5510 MHz)	CH 118 (5590 MHz)	CH 142 (5710 MHz)
V_{normal}	5.38	5.36	5.36
Limit	≤ 8 ms		
Result	PASS		

802.11be (EHT40) Chain 1

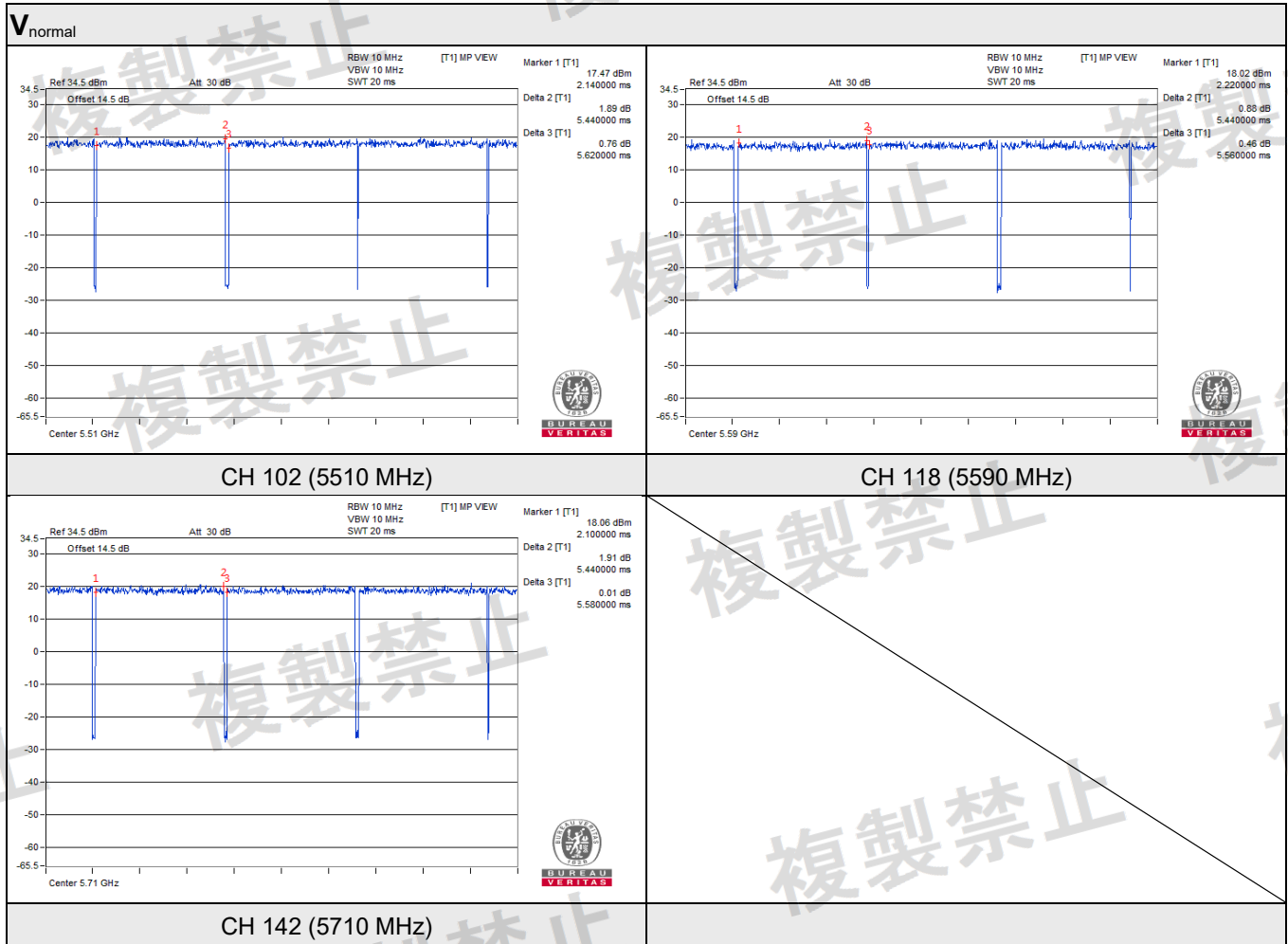
TEST CONDITION	Burst Length (ms)		
	CH 102 (5510 MHz)	CH 118 (5590 MHz)	CH 142 (5710 MHz)
V_{normal}	5.38	5.38	5.34
Limit	≤ 8 ms		
Result	PASS		

802.11be (EHT40) Graph



802.11be (EHT40) Use combiner

TEST CONDITION	Burst Length (ms)		
	CH 102 (5510 MHz)	CH 118 (5590 MHz)	CH 142 (5710 MHz)
V_{normal}	5.44	5.44	5.44
Limit	≤ 8 ms		
Result	PASS		



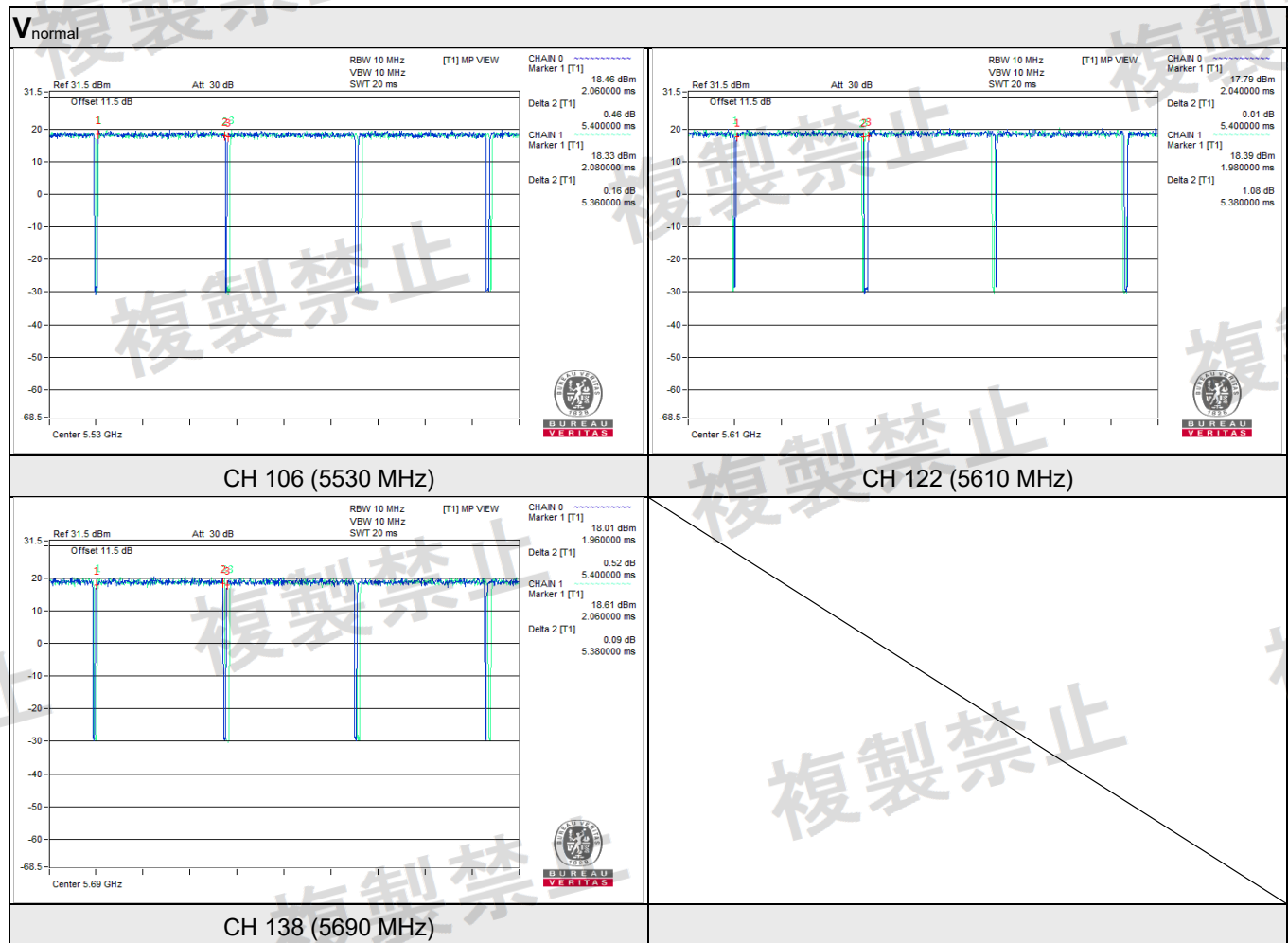
802.11be (EHT80) Chain 0

TEST CONDITION	Burst Length (ms)		
	CH 106 (5530 MHz)	CH 122 (5610 MHz)	CH 138 (5690 MHz)
V_{normal}	5.40	5.40	5.40
Limit	≤ 8 ms		
Result	PASS		

802.11be (EHT80) Chain 1

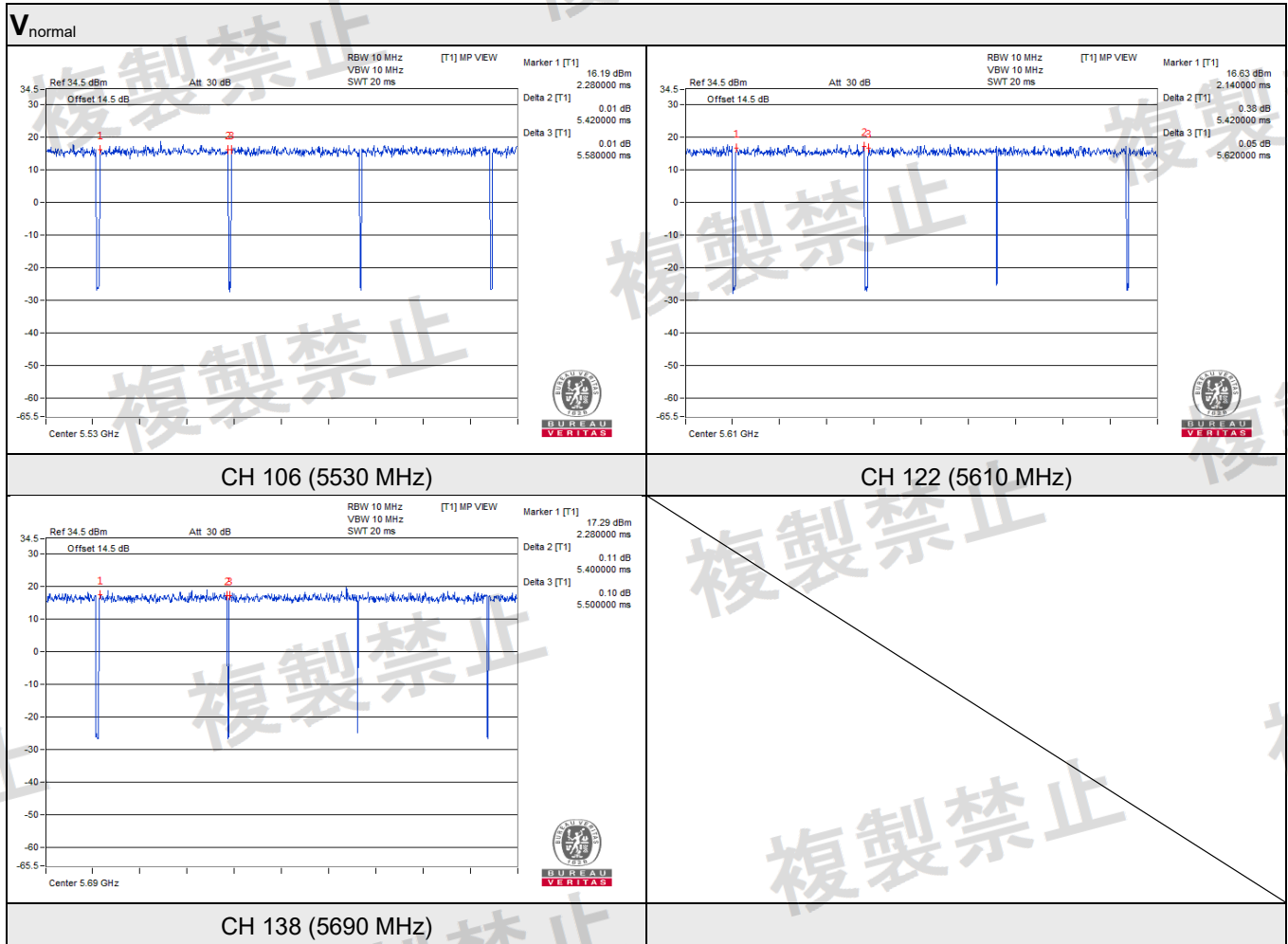
TEST CONDITION	Burst Length (ms)		
	CH 106 (5530 MHz)	CH 122 (5610 MHz)	CH 138 (5690 MHz)
V_{normal}	5.36	5.38	5.38
Limit	≤ 8 ms		
Result	PASS		

802.11be (EHT80) Graph



802.11be (EHT80) Use combiner

TEST CONDITION	Burst Length (ms)		
	CH 106 (5530 MHz)	CH 122 (5610 MHz)	CH 138 (5690 MHz)
V_{normal}	5.42	5.42	5.40
Limit	≤ 8 ms		
Result	PASS		



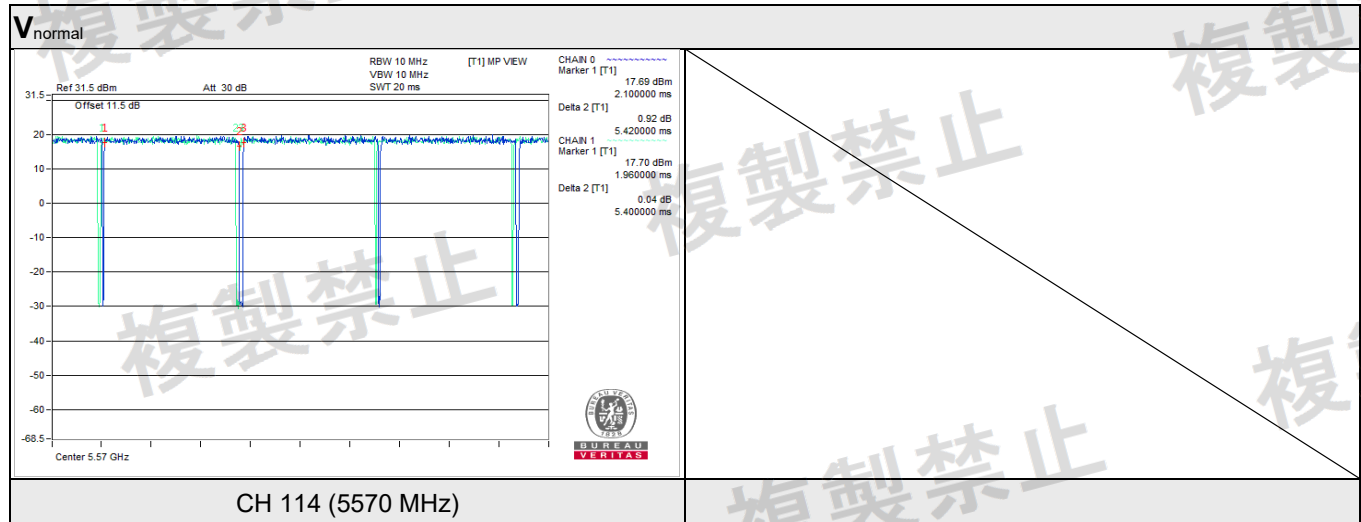
802.11be (EHT160) Chain 0

TEST CONDITION	Burst Length (ms)
	CH 114 (5570 MHz)
V_{normal}	5.42
Limit	≤ 8 ms
Result	PASS

802.11be (EHT160) Chain 1

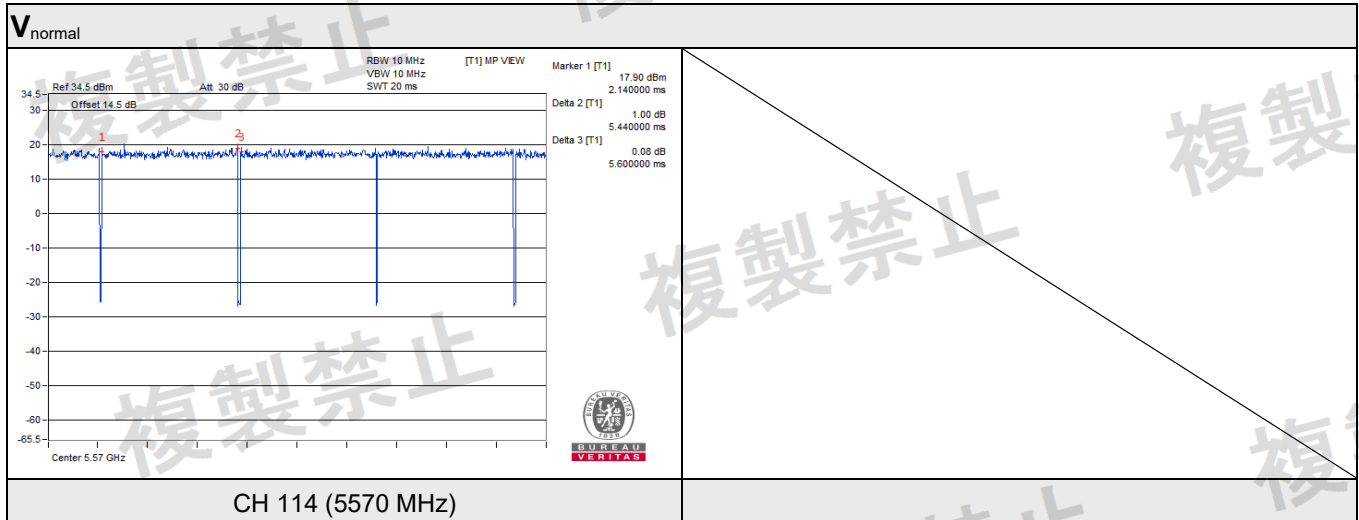
TEST CONDITION	Burst Length (ms)
	CH 114 (5570 MHz)
V_{normal}	5.40
Limit	≤ 8 ms
Result	PASS

802.11be (EHT160) Graph



802.11be (EHT160) Use combiner

TEST CONDITION	Burst Length (ms)
	CH 114 (5570 MHz)
V_{normal}	5.44
Limit	≤ 8 ms
Result	PASS



Internal Antenna (Mode B)

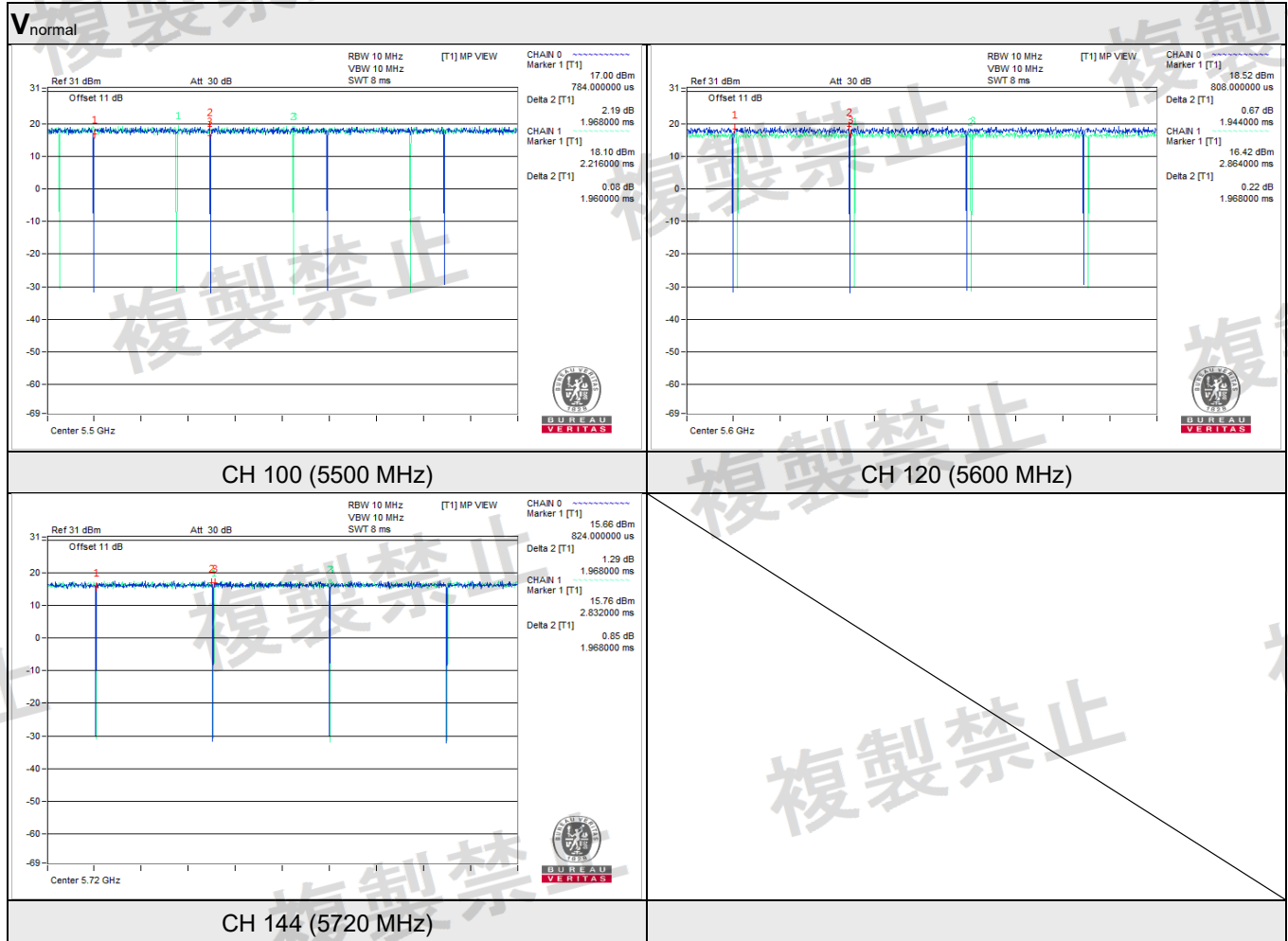
802.11a Chain 0

TEST CONDITION	Burst Length (ms)		
	CH 100 (5500 MHz)	CH 120 (5600 MHz)	CH 144 (5720 MHz)
V_{normal}	1.97	1.94	1.97
Limit	≤ 8 ms		
Result	PASS		

802.11a Chain 1

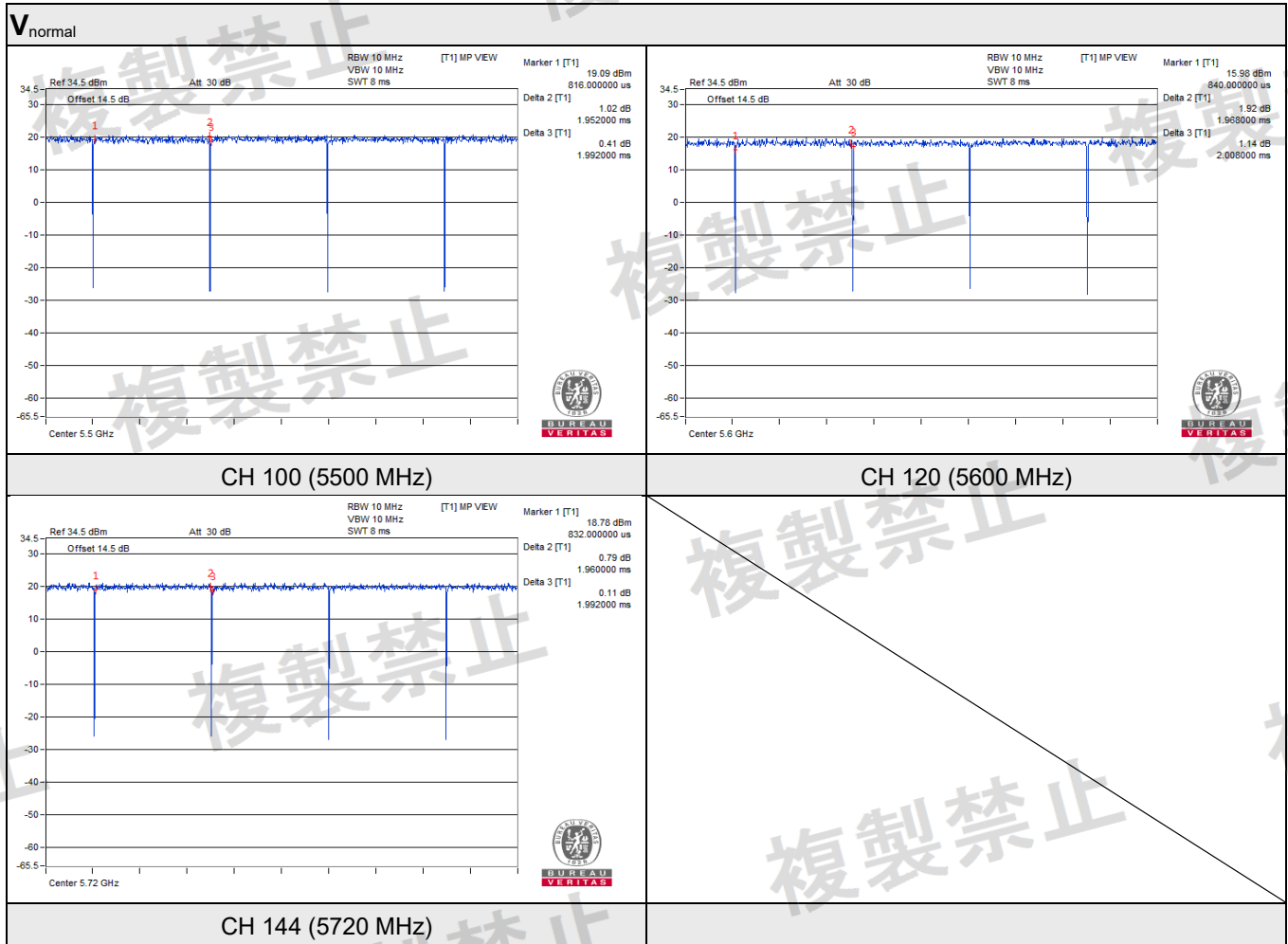
TEST CONDITION	Burst Length (ms)		
	CH 100 (5500 MHz)	CH 120 (5600 MHz)	CH 144 (5720 MHz)
V_{normal}	1.96	1.97	1.97
Limit	≤ 8 ms		
Result	PASS		

802.11a Graph



802.11a Use combiner

TEST CONDITION	Burst Length (ms)		
	CH 100 (5500 MHz)	CH 120 (5600 MHz)	CH 144 (5720 MHz)
V_{normal}	1.95	1.97	1.96
Limit	≤ 8 ms		
Result	PASS		



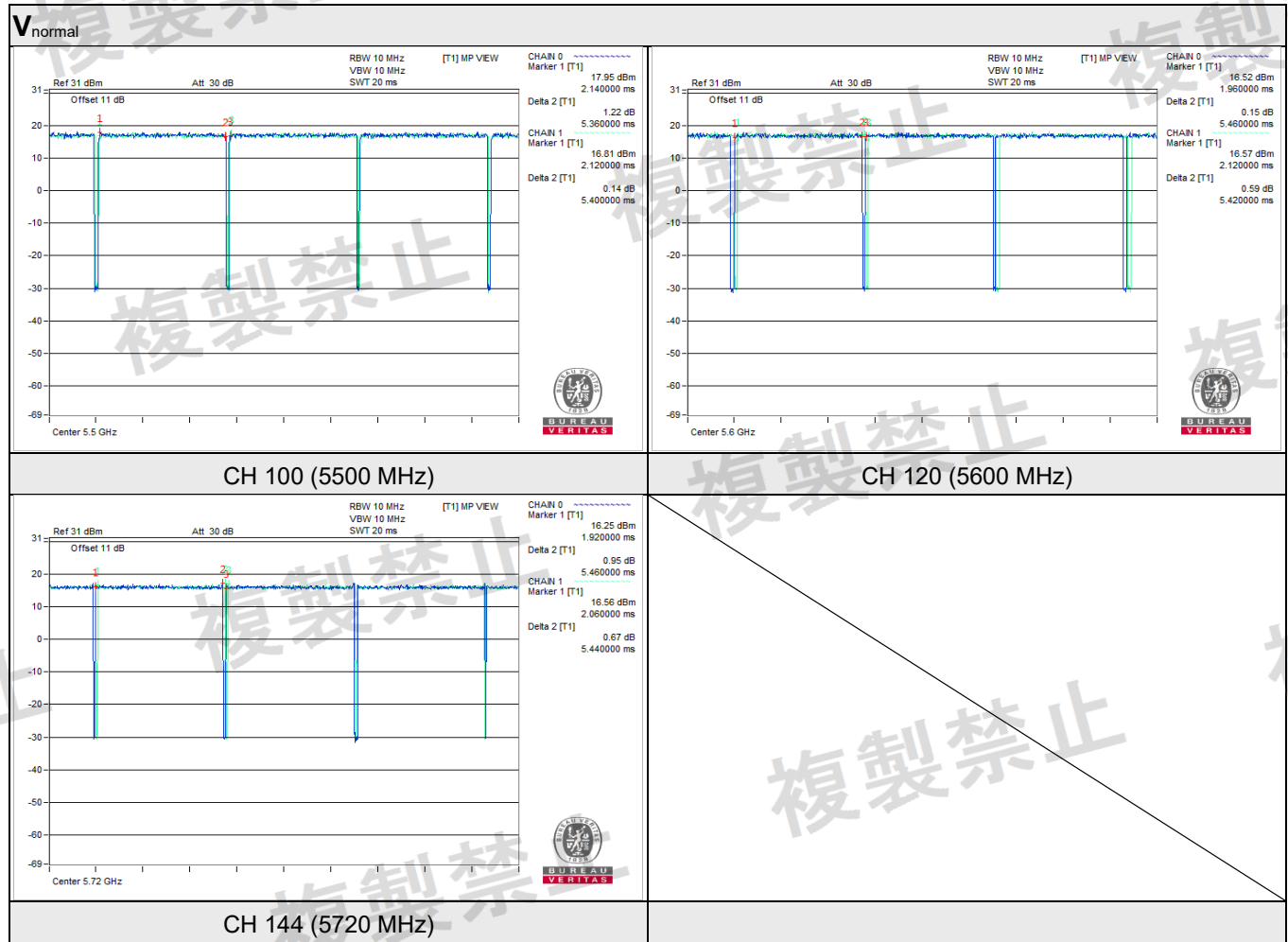
802.11be (EHT20) Chain 0

TEST CONDITION	Burst Length (ms)		
	CH 100 (5500 MHz)	CH 120 (5600 MHz)	CH 144 (5720 MHz)
V_{normal}	5.36	5.46	5.46
Limit	≤ 8 ms		
Result	PASS		

802.11be (EHT20) Chain 1

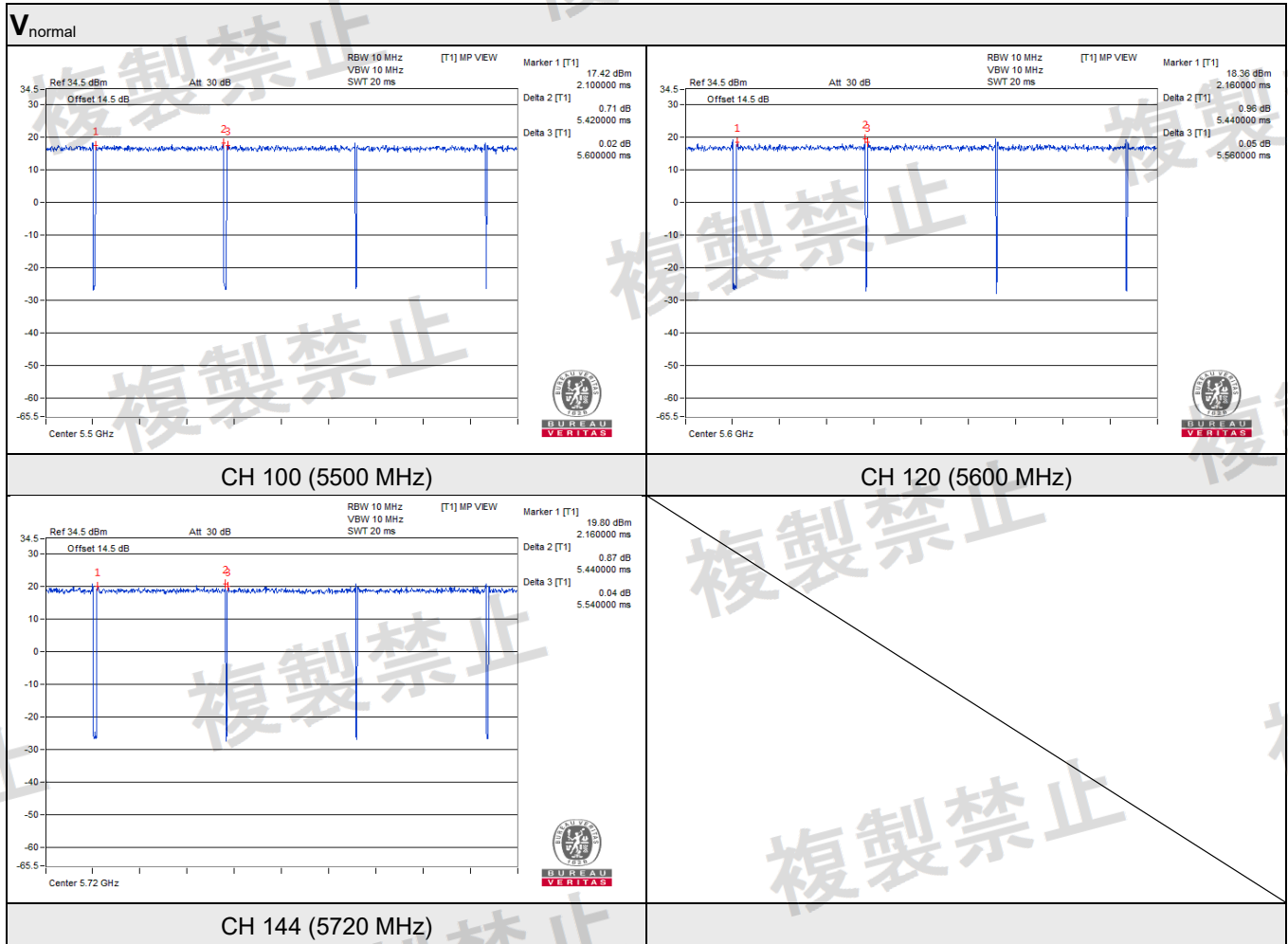
TEST CONDITION	Burst Length (ms)		
	CH 100 (5500 MHz)	CH 120 (5600 MHz)	CH 144 (5720 MHz)
V_{normal}	5.40	5.42	5.44
Limit	≤ 8 ms		
Result	PASS		

802.11be (EHT20) Graph



802.11be (EHT20) Use combiner

TEST CONDITION	Burst Length (ms)		
	CH 100 (5500 MHz)	CH 120 (5600 MHz)	CH 144 (5720 MHz)
V_{normal}	5.42	5.44	5.44
Limit	≤ 8 ms		
Result	PASS		



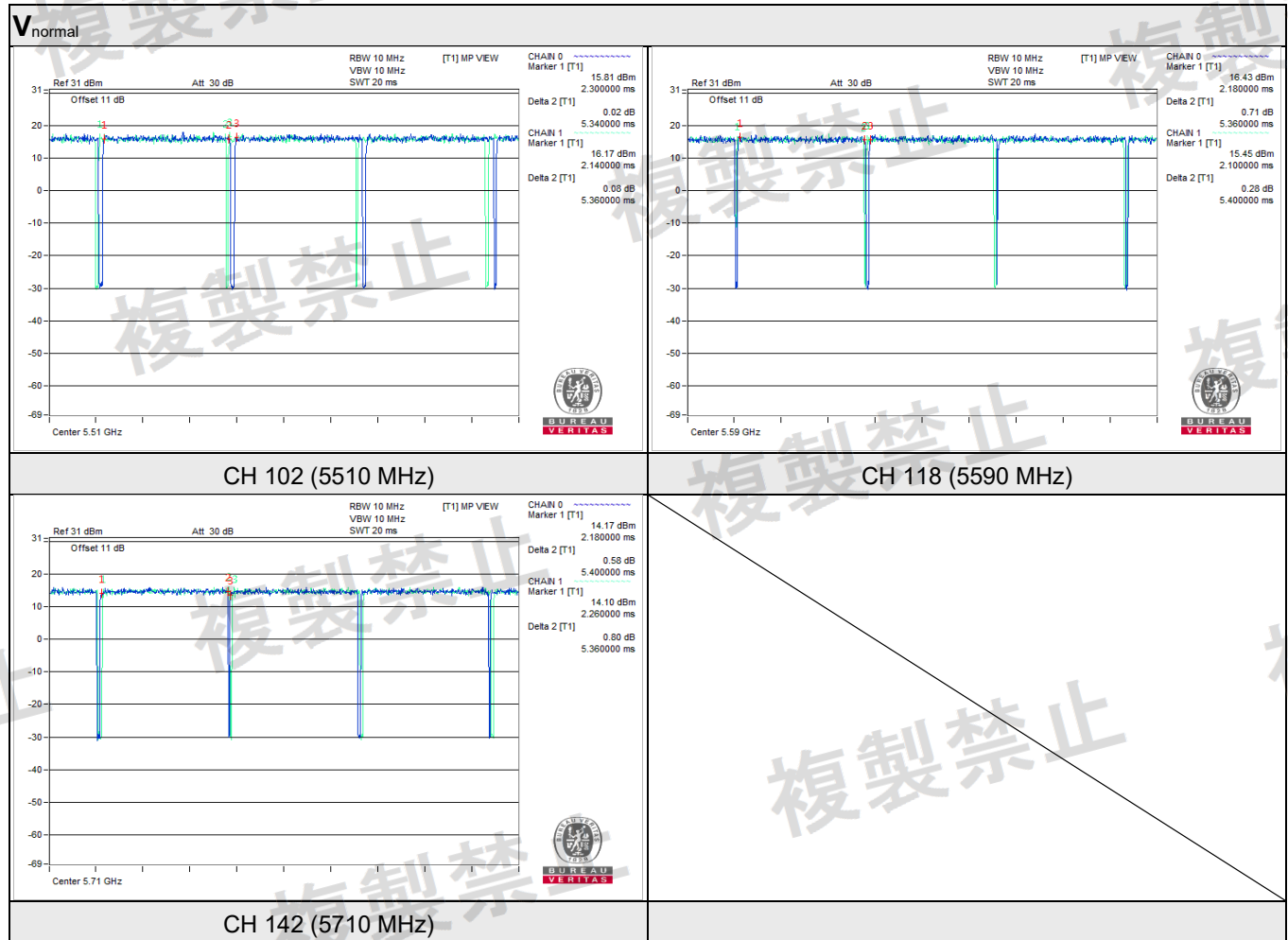
802.11be (EHT40) Chain 0

TEST CONDITION	Burst Length (ms)		
	CH 102 (5510 MHz)	CH 118 (5590 MHz)	CH 142 (5710 MHz)
V_{normal}	5.34	5.36	5.40
Limit	≤ 8 ms		
Result	PASS		

802.11be (EHT40) Chain 1

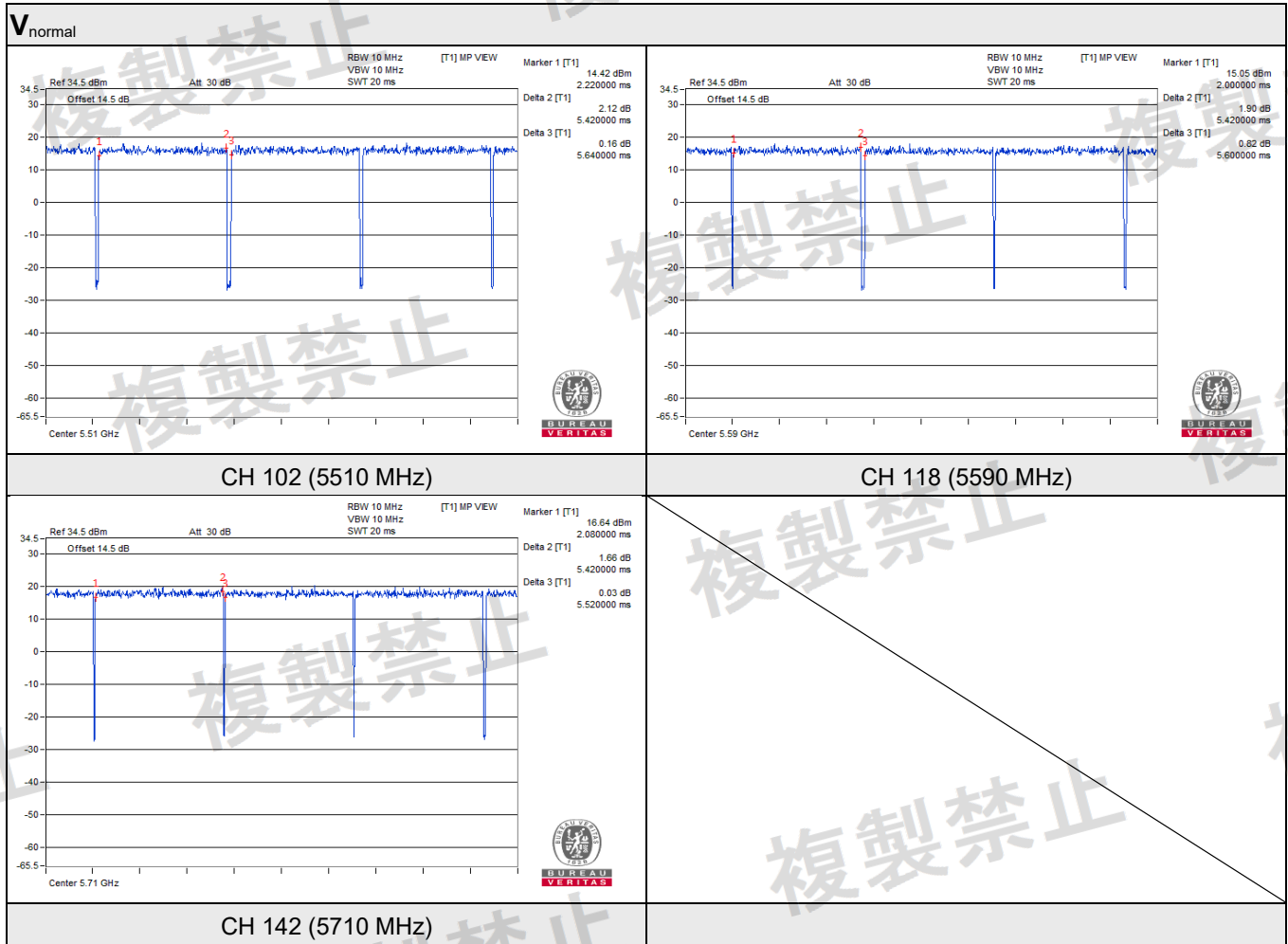
TEST CONDITION	Burst Length (ms)		
	CH 102 (5510 MHz)	CH 118 (5590 MHz)	CH 142 (5710 MHz)
V_{normal}	5.36	5.40	5.36
Limit	≤ 8 ms		
Result	PASS		

802.11be (EHT40) Graph



802.11be (EHT40) Use combiner

TEST CONDITION	Burst Length (ms)		
	CH 102 (5510 MHz)	CH 118 (5590 MHz)	CH 142 (5710 MHz)
V_{normal}	5.42	5.42	5.42
Limit	≤ 8 ms		
Result	PASS		



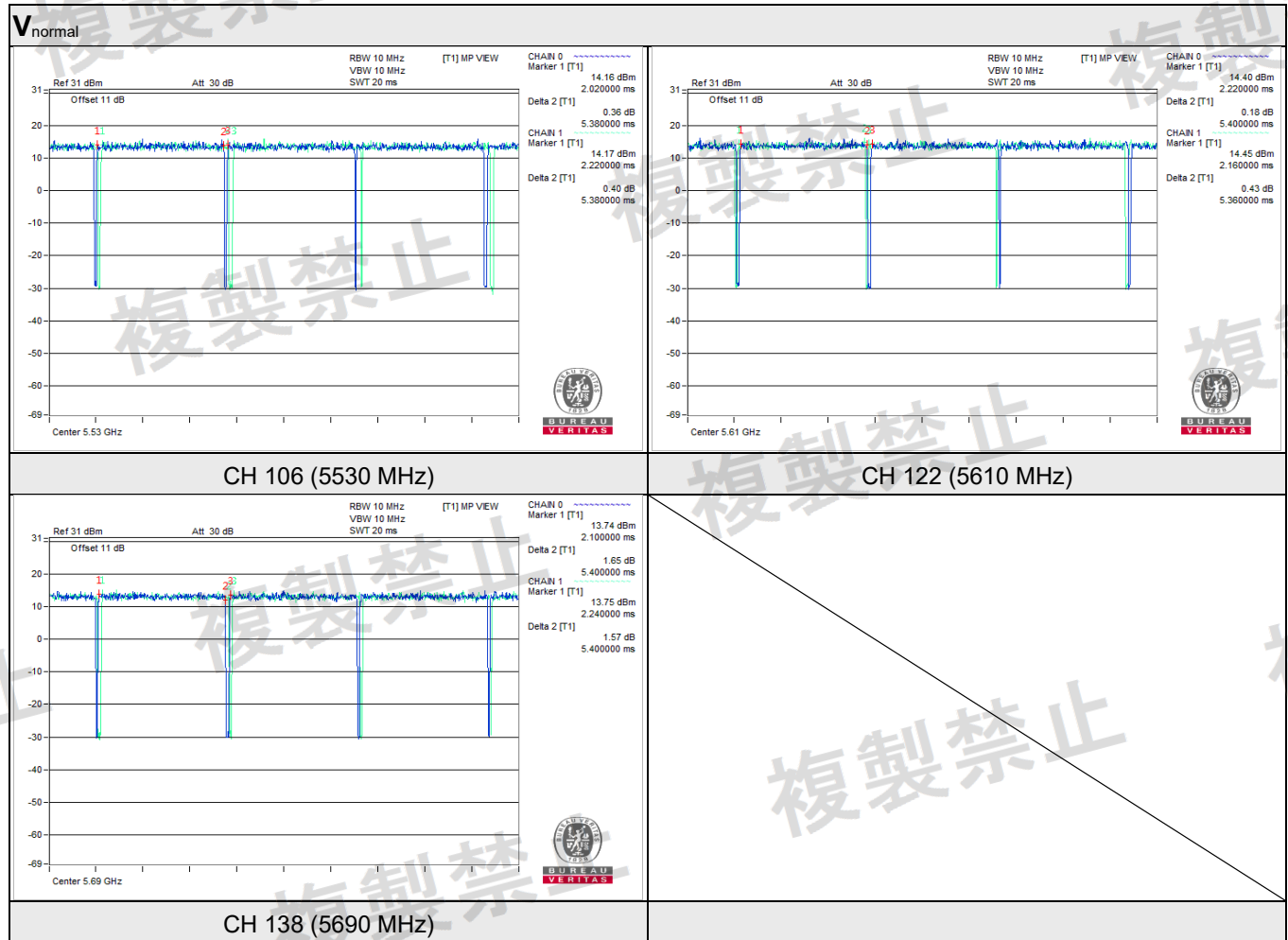
802.11be (EHT80) Chain 0

TEST CONDITION	Burst Length (ms)		
	CH 106 (5530 MHz)	CH 122 (5610 MHz)	CH 138 (5690 MHz)
V_{normal}	5.38	5.40	5.40
Limit	≤ 8 ms		
Result	PASS		

802.11be (EHT80) Chain 1

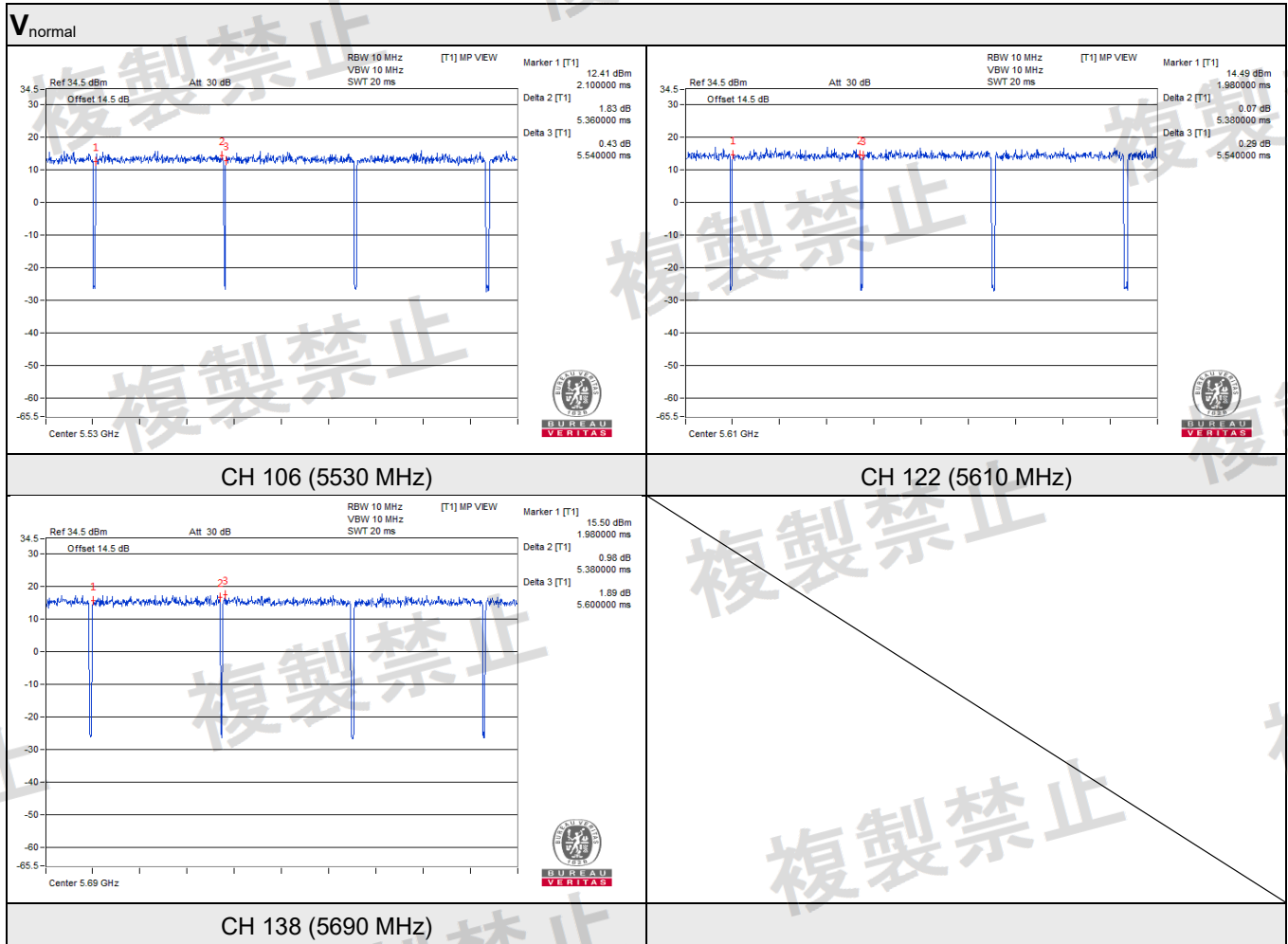
TEST CONDITION	Burst Length (ms)		
	CH 106 (5530 MHz)	CH 122 (5610 MHz)	CH 138 (5690 MHz)
V_{normal}	5.38	5.36	5.40
Limit	≤ 8 ms		
Result	PASS		

802.11be (EHT80) Graph



802.11be (EHT80) Use combiner

TEST CONDITION	Burst Length (ms)		
	CH 106 (5530 MHz)	CH 122 (5610 MHz)	CH 138 (5690 MHz)
V_{normal}	5.36	5.38	5.38
Limit	≤ 8 ms		
Result	PASS		



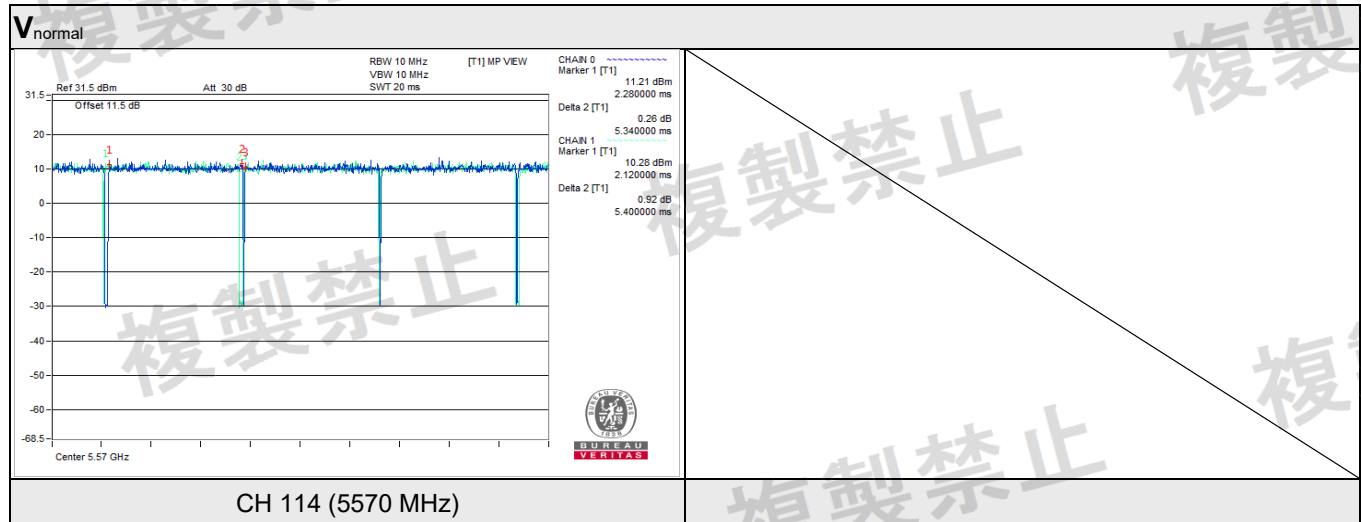
802.11be (EHT160) Chain 0

TEST CONDITION	Burst Length (ms)
	CH 114 (5570 MHz)
V_{normal}	5.34
Limit	≤ 8 ms
Result	PASS

802.11be (EHT160) Chain 1

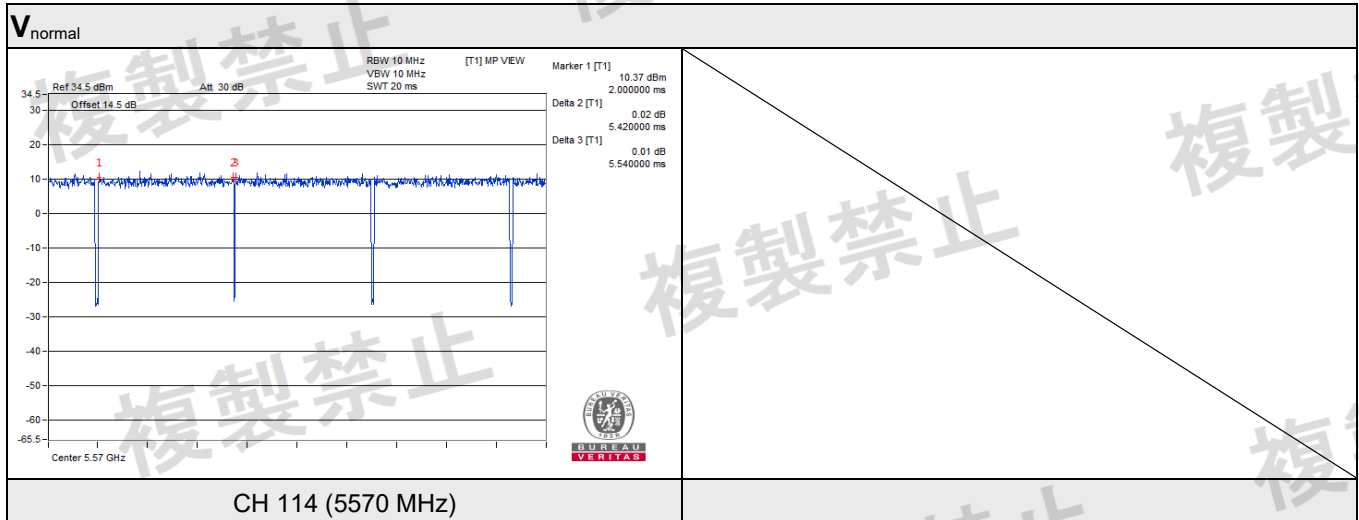
TEST CONDITION	Burst Length (ms)
	CH 114 (5570 MHz)
V_{normal}	5.40
Limit	≤ 8 ms
Result	PASS

802.11be (EHT160) Graph



802.11be (EHT160) Use combiner

TEST CONDITION	Burst Length (ms)
	CH 114 (5570 MHz)
V _{normal}	5.42
Limit	≤ 8 ms
Result	PASS



7.8 Number of Carriers within 1 MHz Bandwidth in OFDM

Environmental Conditions:	25°C, 65% RH	Tested By:	Wayne Lin
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External Antenna (Mode A)

About OFDM Technical, one OFDM Channel will have 52 sub-carriers. At present, we observe this product via the spectrum, and we know that there are 3 carriers in 1 MHz bandwidth in OFDM.

Internal Antenna (Mode B)

About OFDM Technical, one OFDM Channel will have 52 sub-carriers. At present, we observe this product via the spectrum, and we know that there are 3 carriers in 1 MHz bandwidth in OFDM.

7.9 Interference Prevention Function

Environmental Conditions:	25°C, 65% RH	Tested By:	Wayne Lin
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External Antenna (Mode A)

Link Mode	Test Result
WiFi 5G	Pass

Internal Antenna (Mode B)

Link Mode	Test Result
WiFi 5G	Pass

7.10 Carrier Sense Capability

Environmental Conditions:	25°C, 65% RH	Tested By:	Wayne Lin
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External Antenna (Mode A)

20 MHz System: 802.11a

Frequency (MHz)	Pcs (dBm)	C.F(dB)	S.G level	Test Result
5500	-47.84	11.53	-36.31	Pass
5600	-47.99	11.59	-36.40	Pass
5720	-48.18	11.63	-36.55	Pass

Note:

Pcs (dBm) = 22.79 + Gr - 20log(F).

Gr: Antenna gain (W56 Band: 4.18dBi).

F: Transmission frequency (MHz).

20 MHz System: 802.11be (EHT20)

Frequency (MHz)	Pcs (dBm)	C.F(dB)	S.G level	Test Result
5500	-47.84	11.5	-36.34	Pass
5600	-47.99	11.57	-36.42	Pass
5720	-48.18	11.62	-36.56	Pass

Note:

Pcs (dBm) = 22.79 + Gr - 20log(F).

Gr: Antenna gain (W56 Band: 4.18dBi).

F: Transmission frequency (MHz).

40 MHz System: 802.11be (EHT40)

Frequency (MHz)	Pcs (dBm)	C.F(dB)	S.G level	Test Result
5510	-47.85	11.49	-36.36	Pass
5590	-47.98	11.56	-36.42	Pass
5710	-48.16	11.59	-36.57	Pass

Note:

Pcs (dBm) = 22.79 + Gr - 20log(F).

Gr: Antenna gain (W56 Band: 4.18dBi).

F: Transmission frequency (MHz).

80 MHz System: 802.11be (EHT80)

Frequency (MHz)	Pcs (dBm)	C.F(dB)	S.G level	Test Result
5530	-47.88	11.53	-36.35	Pass
5610	-48.01	11.57	-36.44	Pass
5690	-48.13	11.57	-36.56	Pass

Note:

Pcs (dBm) = 22.79 + Gr - 20log(F).

Gr: Antenna gain (W56 Band: 4.18dBi).

F: Transmission frequency (MHz).

160 MHz System: 802.11be (EHT160)

Frequency (MHz)	Pcs (dBm)	C.F(dB)	S.G level	Test Result
5570	-47.95	11.25	-36.70	Pass

Note:

Pcs (dBm) = 22.79 + Gr - 20log(F).

Gr: Antenna gain (W56 Band: 4.18dBi).

F: Transmission frequency (MHz).

Internal Antenna (Mode B)

20 MHz System: 802.11a

Frequency (MHz)	Pcs (dBm)	C.F(dB)	S.G level	Test Result
5500	-41.15	11.53	-29.62	Pass
5600	-41.30	11.59	-29.71	Pass
5720	-41.49	11.63	-29.86	Pass

Note:

Pcs (dBm) = 22.79 + Gr - 20log(F).

Gr: Antenna gain (W56 Band: 10.87dBi).

F: Transmission frequency (MHz).

20 MHz System: 802.11be (EHT20)

Frequency (MHz)	Pcs (dBm)	C.F(dB)	S.G level	Test Result
5500	-41.15	11.5	-29.65	Pass
5600	-41.30	11.57	-29.73	Pass
5720	-41.49	11.62	-29.87	Pass

Note:

Pcs (dBm) = 22.79 + Gr - 20log(F).

Gr: Antenna gain (W56 Band: 10.87dBi).

F: Transmission frequency (MHz).

40 MHz System: 802.11be (EHT40)

Frequency (MHz)	Pcs (dBm)	C.F(dB)	S.G level	Test Result
5510	-41.16	11.49	-29.67	Pass
5590	-41.29	11.56	-29.73	Pass
5710	-41.47	11.59	-29.88	Pass

Note:

Pcs (dBm) = 22.79 + Gr - 20log(F).

Gr: Antenna gain (W56 Band: 10.87dBi).

F: Transmission frequency (MHz).

80 MHz System: 802.11be (EHT80)

Frequency (MHz)	Pcs (dBm)	C.F(dB)	S.G level	Test Result
5530	-41.19	11.53	-29.66	Pass
5610	-41.32	11.57	-29.75	Pass
5690	-41.44	11.57	-29.87	Pass

Note:

Pcs (dBm) = 22.79 + Gr - 20log(F).

Gr: Antenna gain (W56 Band: 10.87dBi).

F: Transmission frequency (MHz).

160 MHz System: 802.11be (EHT160)

Frequency (MHz)	Pcs (dBm)	C.F(dB)	S.G level	Test Result
5570	-41.26	11.25	-30.01	Pass

Note:

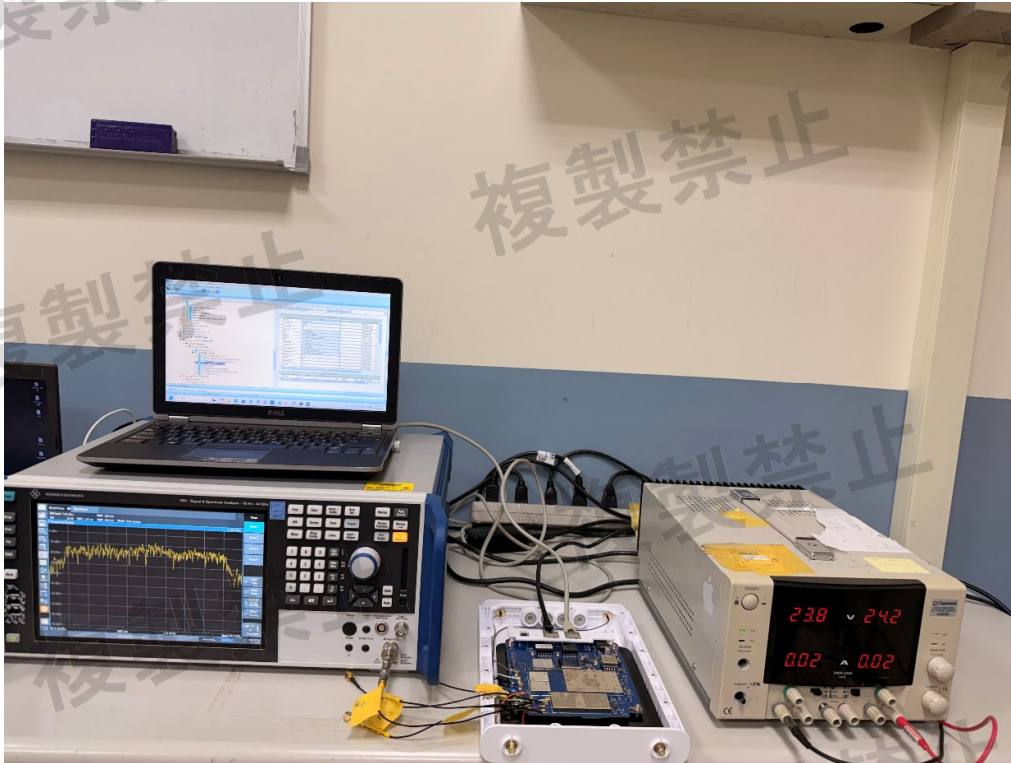
Pcs (dBm) = 22.79 + Gr - 20log(F).

Gr: Antenna gain (W56 Band: 10.87dBi).

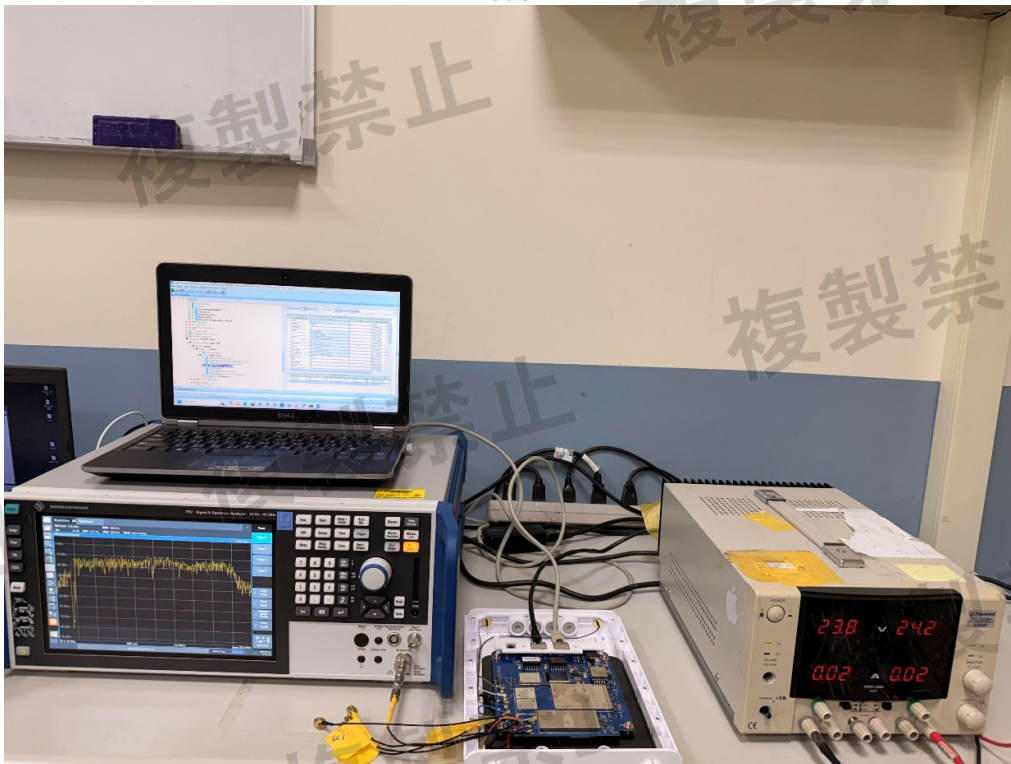
F: Transmission frequency (MHz).

8 Pictures of Test Arrangements

Mode A



Mode B



9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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Web Site: <http://ee.bureauveritas.com.tw>

The address and road map of all our labs can be found in our web site also.

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