Radio Test Report
(External antenna – PN: ATS-OO-245-46-4RPSP-36 + Eth6 Radio - 3TX/4TX)

Report No.:	RJ190211C09-11
Test Model:	AP43E, AP43
Received Date:	Feb. 11, 2019
Test Date:	Feb. 20 ~ Mar. 15, 2020
Issued Date:	Mar. 21, 2020
Applicant:	Mist Systems, Inc.
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Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
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Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN

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Release Control Record

Issue No.	Description	Date Issued
RJ190211C09-11	Original release	Mar. 21, 2020

1 Certificate of Conformity

Product:	Premium 802.11ax WiFi and BLE AP
Brand:	Mist
Test Model:	AP43E, AP43
Sample Status:	Engineering sample
Applicant:	Mist Systems, Inc.
Test Date:	Feb. 20 ~ Mar. 15, 2020
Standards:	ARIB STD-T71 (V6.2), MIC notice 88 Appendix 45 Certification Ordinance Article 2-1-19-3 Certification Ordinance Article 2-1-19-3-2

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.

Prepared by : Celine Chou , **Date:** Mar. 21, 2020

Celine Chou / Senior Specialist

Approved by : Bruce Chen , **Date:** Mar. 21, 2020

Bruce Chen / Senior Project Engineer

2 Summary of Test Results

The EUT has been tested according to the following specifications:

Notice 88 Appendix 45 Reference	ARIB STD-T71 Ref.	Report Reference	Parameter	Test Results (Note)
General Provisions				
C	3.1.2 (4)	4.1	Frequency tolerance	C
D	3.1.2 (11)	4.2	Occupied bandwidth	C
E	3.1.2 (8)	4.3	Spurious emissions	C
Transmitting Equipment				
F	3.1.2 (3)	4.6	Tolerance of antenna power	C
--	--	--	SAR	NA
Transmitting Antenna				
--	--	3.6	Type, configuration, etc. of transmitting antenna	C
--	--	3.6	Direction pattern of transmitting antenna	C
Receiving Equipment				
H	3.1.3 (1)	4.6	Spurious emissions of receiver	C
--	--	3.5	Refer to all articles for transmitting antenna	C
Operating Frequency				
--	3.1.8 (1)	3.4	Radio frequency / modulation section can not be opened easily	C
--	3.1.1(1)	3.1	Communication method	C
--	3.1.2 (1)	3.1	Modulation method	C
--	3.1.2 (6)	3.1	Signal transmission rate	C
--	3.1.2 (7)	4.8	Burst length	C
--	3.1.2 (2)	4.6	Antenna power	C
--	3.1.2 (5)	4.6	Isotropically radiated power	C
--	3.1.2 (1)	4.11	Number of carriers within 1 MHz bandwidth in OFDM	C
--	3.1.2	4.3	Out-band leakage power	C
--	3.1.2 (9)	4.4	Adjacent channel leakage power	C
	3.1.4.1	4.8	Interference Prevention Function	C
--	3.1.7(1)	4.9	Carrier sense capability	C
--	--	--	Dynamic frequency selection	Note 3

Note:
1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. C = Conform NC = Not Conform NT = Not Tested NA = Not Applicable
3. The “Dynamic Frequency Selection measurement” was recorded in Report No.: RJ190211C09-17 and RJ190211C09-18.

2.1 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration	Calibration Authority	Cal. Method
Spectrum Analyzer / Rohde & Schwarz	FSU43	100979	Mar. 19, 2019	Mar. 18, 2020	ETC	c)
Spectrum Analyzer / Rohde & Schwarz	FSV40	100980	Apr. 23, 2019	Apr. 22, 2020	ETC	c)
Signal Generator / Agilent	E4438C	MY45094468	Nov. 14, 2019	Nov. 13, 2020	ETC	c)
Power Meter / Anritsu	ML2495A	1232003	Dec. 30, 2019	Dec. 29, 2020	ETC	c)
Power Sensor / Anritsu	MA2411B	1207333	Dec. 30, 2019	Dec. 29, 2020	ETC	c)
Power Splitter / Agilent	11667B	52805	NA	NA	BV CPS E&E	d)
Power Splitter / Agilent	11667B	11628	NA	NA	BV CPS E&E	d)
AC Power Source / EEC	6905S	1991553	NA	NA	BV CPS E&E	d)
True RMS Clamp Meter / Fluke	325	31130711WS	May 21, 2019	May 20, 2020	ETC	c)

Note: Calibration Method

a)：Calibration conducted by the National Institute of Information and Communications Technology～NICT～ or a designated calibration agency under Article 102-18 paragraph (1)～ TELEC EngeneeringCenter, Intertek Japan K.K., Keysight Technologies, Inc～.

b)：Correction conducted pursuant to the provisions of Article 135 or Article 144 of the MeasurementLaw (Law No. 51 of 1992)～Japan Calibration Service Syste～

c)：Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted bythe NICT or a designated calibration agency under Article 102-18 paragraph (1)～ TELEC EngeneeringCenter, Intertek Japan K.K., Keysight Technologies, Inc～.

d)：Calibration conducted by using other equipment that listed above from a) to c)

2.2 Measurement Uncertainty

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

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Parameter	Uncertainty
Occupied Bandwidth	491.896Hz
Spurious emissions	2.208dB
Output power density	2.889dB
Adjacent Channel Leakage Power	1.35dB
Out of band radiated power	3.93dB
Frequency Tolerance	6805.18Hz
Burst length	0.01%

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.3 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Premium 802.11ax WiFi and BLE AP
Brand	Mist
Test Model	AP43E, AP43
Status of EUT	Engineering sample
Nominal Voltage	12Vdc from adapter 55Vdc from POE
Modulation Type	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDMA
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: 54/48/36/24/18/12/9/6Mbps 802.11n: up to 600Mbps 802.11ac: up to 1733.3Mbps 802.11ax: up to 2400Mbps
Operating Frequency	5150 ~ 5350MHz and 5470 ~ 5725MHz
Number of Channel	For 5GHz(W52+W53): 802.11a/n(HT20)/ac(VHT20)/ax(HE20): 8 802.11n(HT40)/ac(VHT40)/ax(HE40): 4 802.11ac(VHT80)/ax(HE80): 2 For 5GHz(W56): 802.11a/n(HT20)/ac(VHT20)/ax(HE20): 11 802.11n(HT40)/ac(VHT40)/ax(HE40): 5 802.11ac(VHT80)/ax(HE80): 2
Rated RF Output Power Density	Refer to note
Conducted RFOutput Power Density	Refer to note
Radiated RF Output Power Density	Refer to note
Antenna Type	Refer to note
Antenna Connector	Refer to note
Accessory Device	N/A
Data Cable Supplied	N/A

Note:

1. All models are listed as below.

Brand	Model	Difference
Mist	AP43E	For External Antenna
	AP43	For Internal Antenna

2. The EUT consumes power from the following adapter and PoE.

Adapter (support unit only)	
Brand	Channel Well Technology
Model	2ABN036F
Input	100-240Vac, 50-60Hz 1.7A
Output	12.0Vdc, 3.0A, 36W
Power Line	1.5m DC cable with one core attached on adapter

PoE (support unit only)	
Brand	Microsemi
Model	PD9001GR
Input Power	100-240Vac, 50/60Hz 0.67A
Output Power	55Vdc, 0.6A

3. The EUT incorporates a MIMO function. Physically, the EUT provides 4 completed transmitter and 4 receivers.

Radio: Eth6

Modulation Mode	TX Function	Beamforming
802.11a	1TX/2TX/3TX/4TX	Not Support
802.11n (HT20)	1TX/2TX/3TX/4TX	Support
802.11n (HT40)	1TX/2TX/3TX/4TX	Support
802.11ac (VHT20)	1TX/2TX/3TX/4TX	Support
802.11ac (VHT40)	1TX/2TX/3TX/4TX	Support
802.11ac (VHT80)	1TX/2TX/3TX/4TX	Support
802.11ax (HE20)	1TX/2TX/3TX/4TX	Support
802.11ax (HE40)	1TX/2TX/3TX/4TX	Support
802.11ax (HE80)	1TX/2TX/3TX/4TX	Support

* The bandwidth and modulation are similar for HT20/HT40 on 802.11n mode and VHT20/VHT40 on 802.11ac mode. Therefore the investigated worst case (802.11ac mode for VHT20/VHT40) is the representative mode in test report.

Radio: Eth7

Modulation Mode	TX Function	Beamforming
802.11a	1TX/2TX	Not Support
802.11n (HT20)	1TX/2TX	Not Support
802.11n (HT40)	1TX/2TX	Not Support
802.11ac (VHT20)	1TX/2TX	Not Support
802.11ac (VHT40)	1TX/2TX	Not Support
802.11ac (VHT80)	1TX/2TX	Not Support
802.11ax (HE20)	1TX/2TX	Not Support
802.11ax (HE40)	1TX/2TX	Not Support
802.11ax (HE80)	1TX/2TX	Not Support

* The bandwidth and modulation are similar for HT20/HT40 on 802.11n mode and VHT20/VHT40 on 802.11ac mode. Therefore the investigated worst case (802.11ac mode for VHT20/VHT40) is the representative mode in test report.

Radio: Eth8

Modulation Mode	TX Function	Beamforming
802.11a	1TX/2TX/3TX/4TX	Not Support
802.11n (HT20)	1TX/2TX/3TX/4TX	Support
802.11n (HT40)	1TX/2TX/3TX/4TX	Support
802.11ac (VHT20)	1TX/2TX/3TX/4TX	Support
802.11ac (VHT40)	1TX/2TX/3TX/4TX	Support
802.11ac (VHT80)	1TX/2TX/3TX/4TX	Support
802.11ax (HE20)	1TX/2TX/3TX/4TX	Support
802.11ax (HE40)	1TX/2TX/3TX/4TX	Support
802.11ax (HE80)	1TX/2TX/3TX/4TX	Support

* The bandwidth and modulation are similar for HT20/HT40 on 802.11n mode and VHT20/VHT40 on 802.11ac mode. Therefore the investigated worst case (802.11ac mode for VHT20/VHT40) is the representative mode in test report.

4. There are four radios for the EUT.

Radio	Brand	Model	Function		TX/RX Function
			Internal SKU	External SKU	
Eth6	Broadcom	BCM43694	WLAN 5G B1, 2, 3	WLAN 5G B1, 2, 3	4x4
Eth7	Broadcom	BCM43694	WLAN 2.4G, WLAN 5G B1, 2, 3 (B2, B3 only RX function)	WLAN 2.4G, WLAN 5G B1, 2, 3 (B2, B3 only RX function)	2x2
Eth8	Broadcom	BCM43694	WLAN 2.4G, 5G B3	WLAN 2.4G	4x4
BT LE	Nordic	NRF52832	BT LE	BT LE	1X1

5. The following antennas were provided to the EUT.

For Internal Antenna

Antenna Type	PIFA					
Antenna Connector	IPEX					
Gain (dBi)	Radio: Eth6		Radio: Eth7		Radio: Eth8	
	2.4GHz	5GHz	2.4GHz	5GHz	2.4GHz	5GHz
Int. WIFI Ant. 1	-	4.8	-	-	1.8	4.8
Int. WIFI Ant. 2	-	5.4	-	-	3.1	5.6
Int. WIFI Ant. 3	-	5.9	-	-	4.0	5.0
Int. WIFI Ant. 4	-	5.6	-	-	4.3	4.3
Scanning Radio Ant. 1	-	-	2.7	5.6	-	-
Scanning Radio Ant. 2	-	-	2.3	5.3	-	-
BT-Omni Mode	0.1					
BT-Directional Mode	4.5					

For External Antenna (support unit only)

Antenna Type	Patch	
Antenna Connector	RPSMA	
Part Number	ATS-OO-245-46-4RPSP-36	
Gain (dBi)	Frequency	
	2.4GHz	5GHz
Ext. WIFI Ant. 1	4	6

For External Antenna (support unit only)

Antenna Type	Patch	
Antenna Connector	RPSMA	
Part Number	ATS-OP-245-810-4RPSP-36	
Gain (dBi)	Frequency	
	2.4GHz	5GHz
Ext. WIFI Ant. 2	8	10

6. The EUT include following test mode. This report covers test mode D (5G Band - 3TX/4TX) only. For test mode data are performed in the following test reports.

Test Mode		Report No.	
		2.4GHz Band	5GHz Band
A	Internal antenna + Eth6 Radio	-	RJ190211C09-6 (1TX/2TX) RJ190211C09-7 (3TX/4TX)
B	Internal antenna + Eth7 Radio	RJ190211C09 (1TX/2TX)	RJ190211C09-8 (1TX/2TX)
C	Internal antenna + Eth8 Radio	RJ190211C09-1 (1TX/2TX/3TX/4TX)	RJ190211C09-9 (1TX/2TX/3TX/4TX)
D	External antenna – PN: ATS-OO-245-46-4RPSP-36 + Eth6 Radio	-	RJ190211C09-10 (1TX/2TX) RJ190211C09-11 (3TX/4TX)
E	External antenna – PN: ATS-OO-245-46-4RPSP-36 + Eth7 Radio	RJ190211C09-2 (1TX/2TX)	RJ190211C09-12 (1TX/2TX)
F	External antenna – PN: ATS-OO-245-46-4RPSP-36 + Eth8 Radio	RJ190211C09-3 (1TX/2TX/3TX/4TX)	-
G	External antenna – PN: ATS-OP-245-810-4RPSP-36 + Eth6 Radio	-	RJ190211C09-13 (1TX/2TX) RJ190211C09-14 (3TX/4TX)
H	External antenna – PN: ATS-OP-245-810-4RPSP-36 + Eth7 Radio	RJ190211C09-4 (1TX/2TX)	RJ190211C09-15 (1TX/2TX)
I	External antenna – PN: ATS-OP-245-810-4RPSP-36 + Eth8 Radio	RJ190211C09-5 (1TX/2TX/3TX/4TX)	-
J	BT LE	RJ190211C09-16	-

7. The power table as below:

3TX

	Rated power (mW/MHz)	Conducted RF output power density (mW/MHz)	Radiated RF output power density (mW/MHz)
W52			
802.11a	2.50	2.366	9.419
802.11ac (VHT20)	2.50	2.339	9.312
802.11ac (VHT40)	1.20	1.183	4.710
802.11ac (VHT80)	0.60	0.564	2.245
802.11ax (HE20)	2.50	2.323	9.248
802.11ax (HE40)	1.20	1.178	4.690
802.11ax (HE80)	0.60	0.566	2.253
W53			
802.11a	2.30	2.307	9.184
802.11ac (VHT20)	2.40	2.318	9.228
802.11ac (VHT40)	1.10	1.159	4.614
802.11ac (VHT80)	0.60	0.600	2.389
802.11ax (HE20)	2.40	2.345	9.336
802.11ax (HE40)	1.10	1.159	4.614
802.11ax (HE80)	0.60	0.599	2.385
W56			
802.11a	6.70	9.596	38.202
802.11ac (VHT20)	6.70	9.956	39.636
802.11ac (VHT40)	3.10	4.540	18.074
802.11ac (VHT80)	1.70	2.350	9.356
802.11ax (HE20)	6.70	9.956	39.636
802.11ax (HE40)	3.10	4.530	18.034
802.11ax (HE80)	1.70	2.313	9.208

4TX

	Rated power (mW/MHz)	Conducted RF output power density (mW/MHz)	Radiated RF output power density (mW/MHz)
W52			
802.11a	2.50	2.484	9.889
802.11ac (VHT20)	2.50	2.501	9.957
802.11ac (VHT40)	1.20	1.183	4.710
802.11ac (VHT80)	0.60	0.592	2.357
802.11ax (HE20)	2.50	2.455	9.774
802.11ax (HE40)	1.20	1.205	4.797
802.11ax (HE80)	0.60	0.576	2.293
W53			
802.11a	2.30	2.484	9.889
802.11ac (VHT20)	2.40	2.501	9.957
802.11ac (VHT40)	1.10	1.225	4.877
802.11ac (VHT80)	0.60	0.618	2.460
802.11ax (HE20)	2.40	2.455	9.774
802.11ax (HE40)	1.10	1.236	4.921
802.11ax (HE80)	0.60	0.627	2.496
W56			
802.11a	6.70	9.865	39.273
802.11ac (VHT20)	6.70	9.730	38.736
802.11ac (VHT40)	3.30	4.888	19.459
802.11ac (VHT80)	1.70	2.260	8.997
802.11ax (HE20)	6.50	9.640	38.378
802.11ax (HE40)	3.30	4.821	19.193
802.11ax (HE80)	1.70	2.427	9.662

3.2 Description of Test Modes

Operated in 5150 ~ 5350MHz band (W52 & W53):

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

Channel	Freq. (MHz)	Channel	Freq. (MHz)
36	**5180**	**52**	**5260**
40	5200	56	5280
44	5220	60	5300
48	**5240**	**64**	**5320**

4 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

Channel	Freq. (MHz)	Channel	Freq. (MHz)
38	**5190**	**54**	**5270**
46	**5230**	**62**	**5310**

2 channels are provided for 802.11ac (VHT80), 802.11ac (HE80):

Channel	Freq. (MHz)	Channel	Freq. (MHz)
42	**5210**	**58**	**5290**

Operated in 5470 ~ 5725MHz band (W56):

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

Channel	Freq. (MHz)	Channel	Freq. (MHz)
100	**5500**	124	5620
104	5520	128	5640
108	5540	132	5660
112	5560	136	5680
116	5580	**140**	**5700**
120	**5600**		

5 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

Channel	Freq. (MHz)	Channel	Freq. (MHz)
102	**5510**	126	5630
110	5550	**134**	**5670**
118	**5590**		

2 channels are provided for 802.11ac (VHT80), 802.11ac (HE80):

Channel	Freq. (MHz)	Channel	Freq. (MHz)
106	**5530**	**122**	**5610**

Note: The channels which were indicated in bold type of the above channel list were selected as representative test channel. Therefore only the data of the test channels were recorded in this report.

By means of test software (Mtool 3.0.0.7) provided by manufacture, the power levels during the tests were set according to the following codes:

3TX

Operated in 5150 ~ 5350MHz band (W52 & W53):

802.11a		802.11ac (VHT20)		802.11ac (VHT40)		802.11ac (VHT80)	
Channel	**Power Setting**	**Channel**	**Power Setting**	**Channel**	**Power Setting**	**Channel**	**Power Setting**
36	49	**36**	53	**38**	52	**42**	52
48	49	**48**	54	**46**	52	**58**	55
52	54	**52**	53	**54**	54		
64	53	**64**	58	**62**	55		

802.11ax (HE20)		802.11ax (HE40)		802.11ax (HE80)	
Channel	**Power Setting**	**Channel**	**Power Setting**	**Channel**	**Power Setting**
36	49	**38**	48	**42**	48
48	50	**46**	47	**58**	51
52	54	**54**	50		
64	53	**62**	51		

Operated in 5470 ~ 5725MHz band (W56):

802.11a		802.11ac (VHT20)		802.11ac (VHT40)		802.11ac (VHT80)	
Channel	**Power Setting**	**Channel**	**Power Setting**	**Channel**	**Power Setting**	**Channel**	**Power Setting**
100	74	**100**	68	**102**	72	**106**	74
120	76	**120**	74	**118**	72	**122**	74
140	77	**140**	72	**134**	72		

802.11ax (HE20)		802.11ax (HE40)		802.11ax (HE80)	
Channel	**Power Setting**	**Channel**	**Power Setting**	**Channel**	**Power Setting**
100	74	**102**	67	**106**	73
120	77	**118**	69	**122**	77
140	78	**134**	71		

4TX

Operated in 5150 ~ 5350MHz band (W52 & W53):

802.11a		802.11ac (VHT20)		802.11ac (VHT40)		802.11ac (VHT80)	
Channel	Power Setting	Channel	Power Setting	Channel	Power Setting	Channel	Power Setting
36	45	**36**	47	**38**	46	**42**	47
48	45	**48**	49	**46**	45	**58**	47
52	48	**52**	50	**54**	46		
64	47	**64**	49	**62**	48		

802.11ax (HE20)		802.11ax (HE40)		802.11ax (HE80)	
Channel	Power Setting	Channel	Power Setting	Channel	Power Setting
36	45	**38**	44	**42**	44
48	46	**46**	43	**58**	45
52	48	**54**	44		
64	47	**62**	45		

Operated in 5470 ~ 5725MHz band (W56):

802.11a		802.11ac (VHT20)		802.11ac (VHT40)		802.11ac (VHT80)	
Channel	Power Setting	Channel	Power Setting	Channel	Power Setting	Channel	Power Setting
100	68	**100**	68	**102**	67	**106**	67
120	72	**120**	71	**118**	69	**122**	71
140	73	**140**	72	**134**	71		

802.11ax (HE20)		802.11ax (HE40)		802.11ax (HE80)	
Channel	Power Setting	Channel	Power Setting	Channel	Power Setting
100	68	**102**	67	**106**	67
120	71	**118**	69	**122**	71
140	72	**134**	71		

3.3 Test Conditions

Test Conditions	Voltage (Vac)
Vnormal	100

Note: When the input voltage to receiver RF circuit varies below ± 1% as the input voltage from the external power supply to the receiver varies ± 10%

Test Item	Test Conditions	Environmental Conditions
Frequency Tolerance	3TX: Chain 0 4TX: Chain 0	25 deg.C, 60 % RH
Occupied Bandwidth	3TX: Chain 0 Chain 1 Chain 2 4TX: Chain 0 Chain 1 Chain 2 Chain 3	25 deg.C, 60 % RH
Spurious Emissions for Transmitter and Out-Band Leakage Power	3TX: Chain 0 Chain 1 Chain 2 [Worst result] x [Number of antenna ports] 4TX: Chain 0 Chain 1 Chain 2 Chain 3 [Worst result] x [Number of antenna ports]	25 deg.C, 60 % RH
Adjacent Channel Leakage Power	3TX: Chain 0 Chain 1 Chain 2 Sum of each Chain Use combiner 4TX: Chain 0 Chain 1 Chain 2 Chain 3 Sum of each Chain Use combiner	25 deg.C, 60 % RH

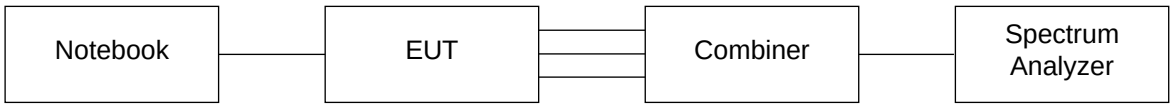
Test Item	Test Conditions	Environmental Conditions
Antenna Power	3TX: Chain 0 Chain 1 Chain 2 Sum of each Chain 4TX: Chain 0 Chain 1 Chain 2 Chain 3 Sum of each Chain	25 deg.C, 60 % RH
Spurious Emission for Receiver	3TX: Chain 0 Chain 1 Chain 2 Sum of each Chain 4TX: Chain 0 Chain 1 Chain 2 Chain 3 Sum of each Chain	25 deg.C, 60 % RH
Burst Length	3TX: Chain 0 Chain 1 Chain 2 Use combiner 4TX: Chain 0 Chain 1 Chain 2 Chain 3 Use combiner	25 deg.C, 60 % RH

3.4 Assembly

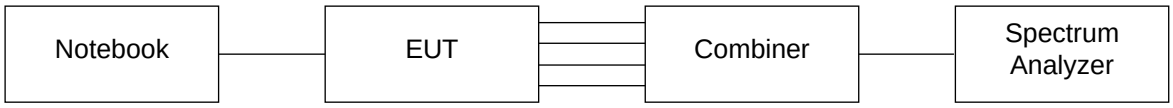
The modulation section, preamplifier, RF component etc, are shielded on the metal housing, and is not capable of being open easily.

3.5 Test Setup

For 3TX



For 4TX



3.6 Antenna Specifications

3.6.1 Antenna Gain

For Internal Antenna

Antenna Type	PIFA					
Antenna Connector	IPEX					
Gain (dBi)	Radio: Eth6		Radio: Eth7		Radio: Eth8	
	2.4GHz	5GHz	2.4GHz	5GHz	2.4GHz	5GHz
Int. WIFI Ant. 1	-	4.8	-	-	1.8	4.8
Int. WIFI Ant. 2	-	5.4	-	-	3.1	5.6
Int. WIFI Ant. 3	-	5.9	-	-	4.0	5.0
Int. WIFI Ant. 4	-	5.6	-	-	4.3	4.3
Scanning Radio Ant. 1	-	-	2.7	5.6	-	-
Scanning Radio Ant. 2	-	-	2.3	5.3	-	-
BT-Omni Mode	0.1					
BT-Directional Mode	4.5					

For External Antenna (support unit only)

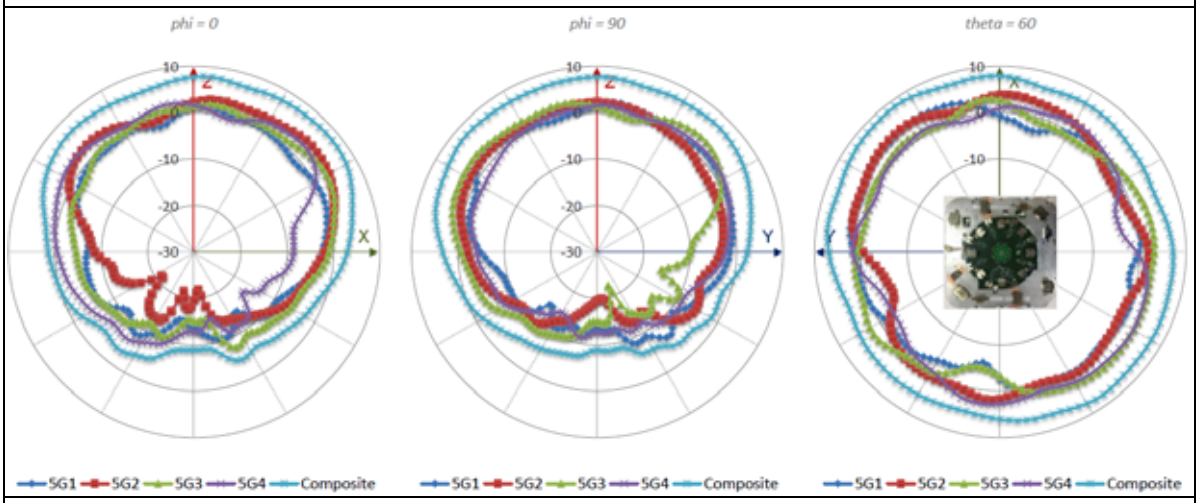
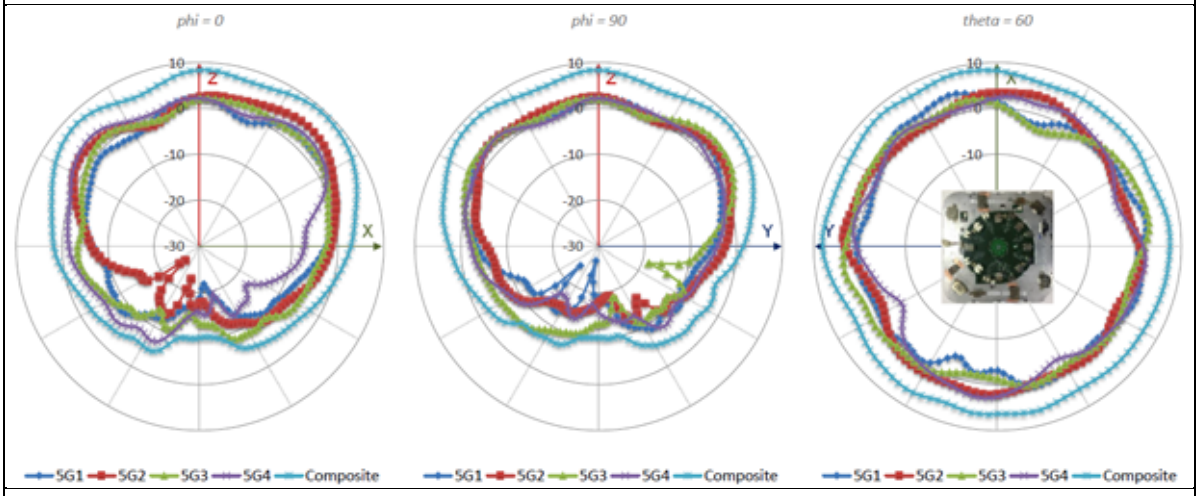
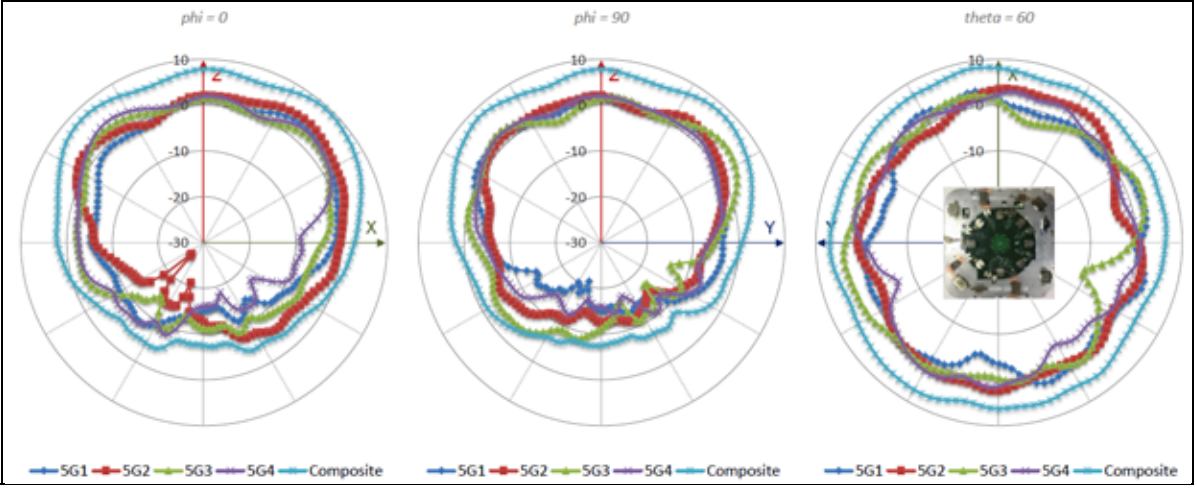
Antenna Type	Patch	
Antenna Connector	RPSMA	
Part Number	ATS-OO-245-46-4RPSP-36	
Gain (dBi)	Frequency	
	2.4GHz	5GHz
Ext. WIFI Ant. 1	4	6

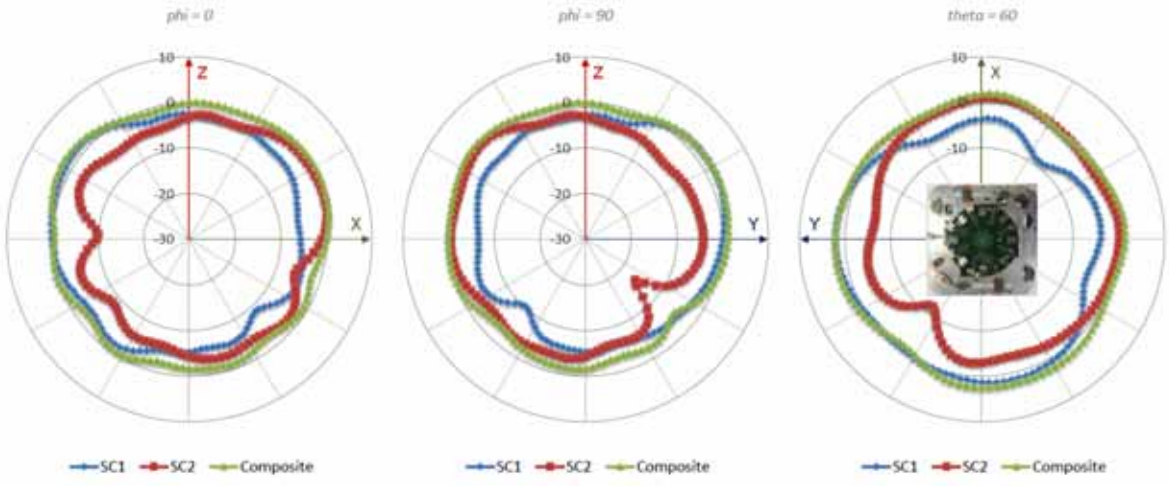
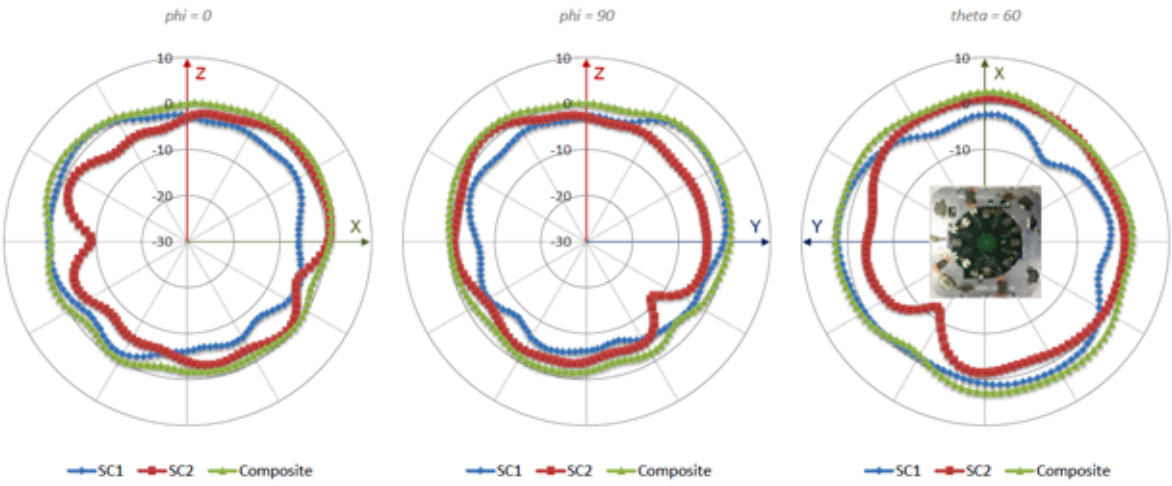
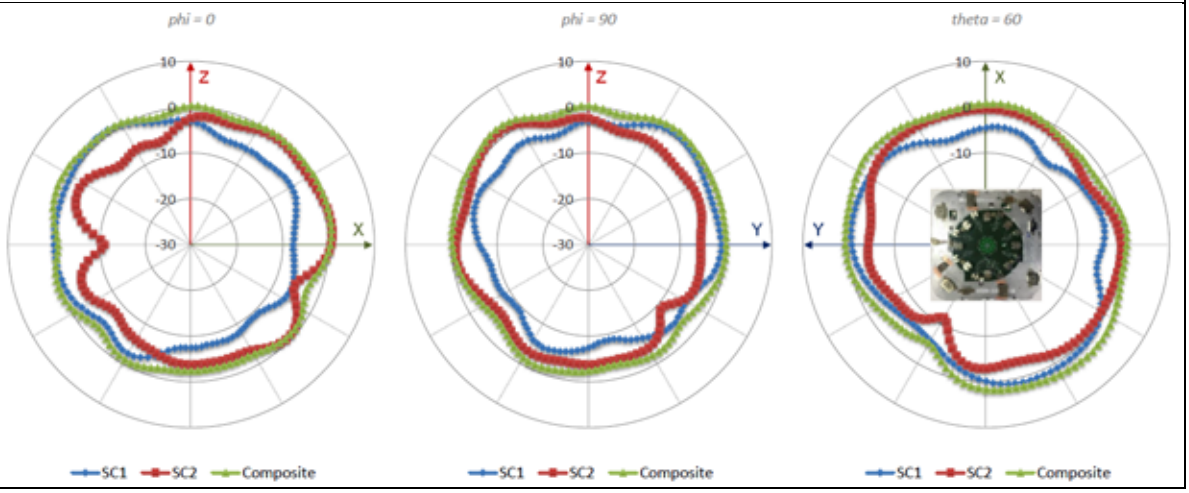
For External Antenna (support unit only)

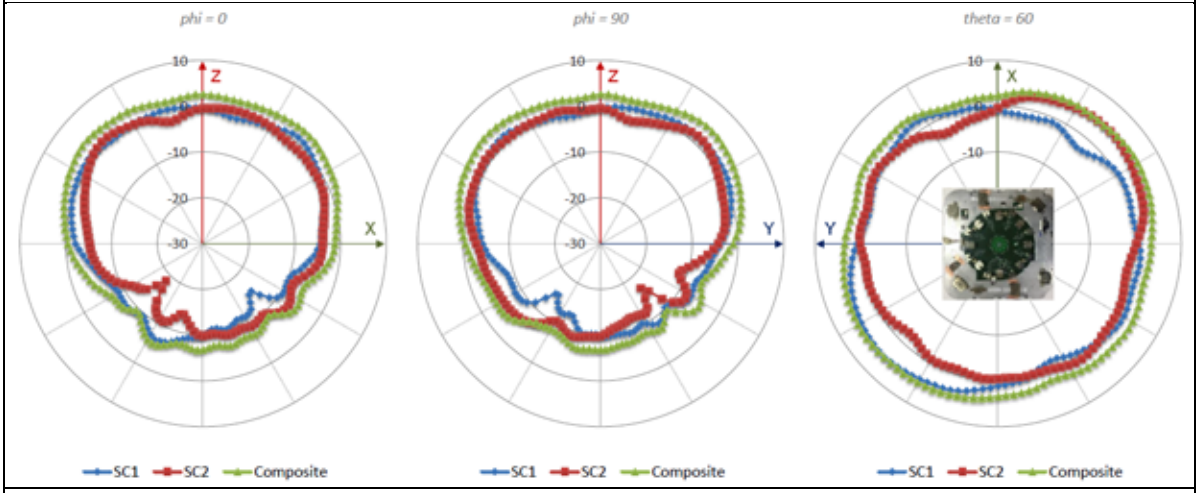
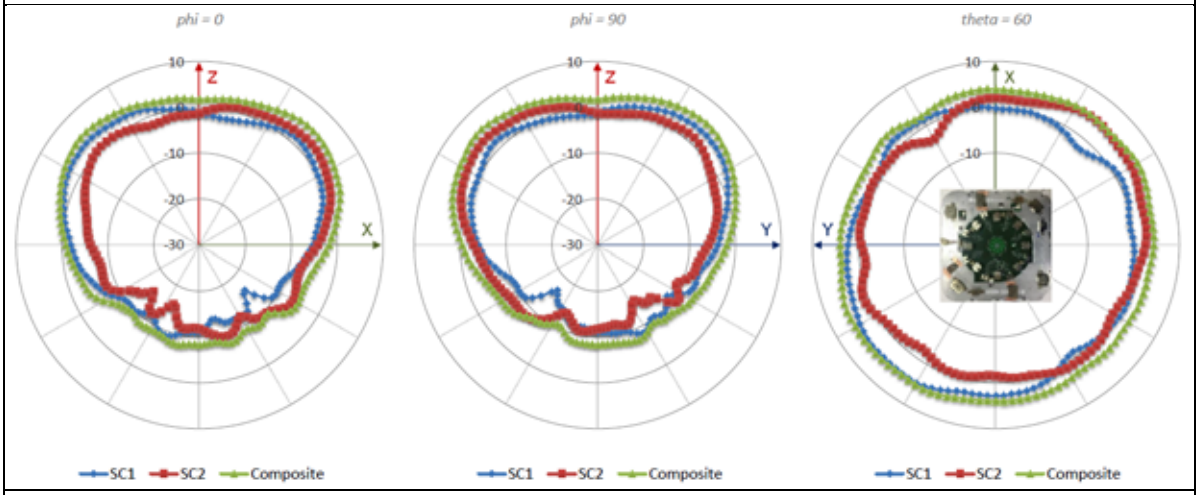
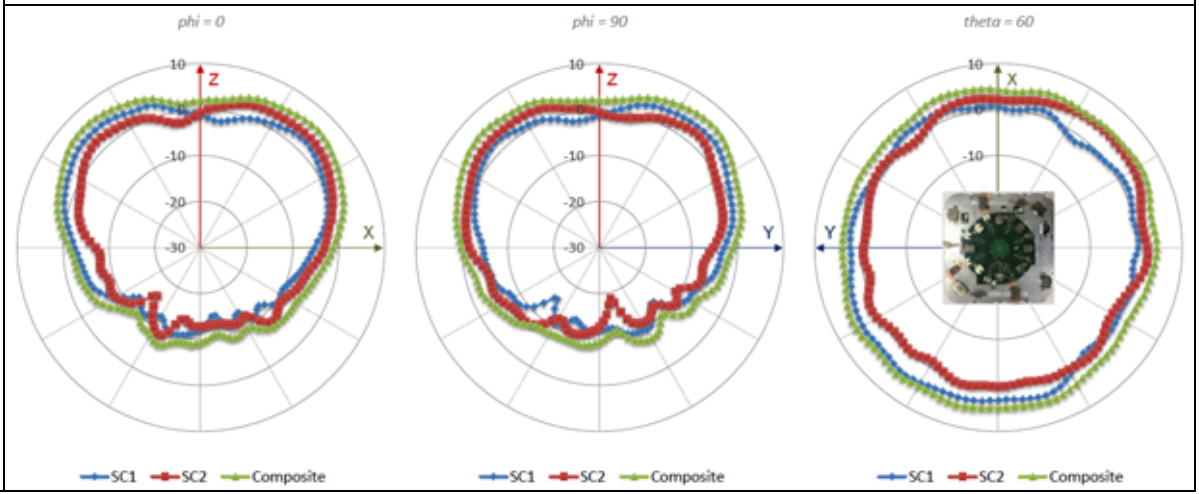
Antenna Type	Patch	
Antenna Connector	RPSMA	
Part Number	ATS-OP-245-810-4RPSP-36	
Gain (dBi)	Frequency	
	2.4GHz	5GHz
Ext. WIFI Ant. 2	8	10

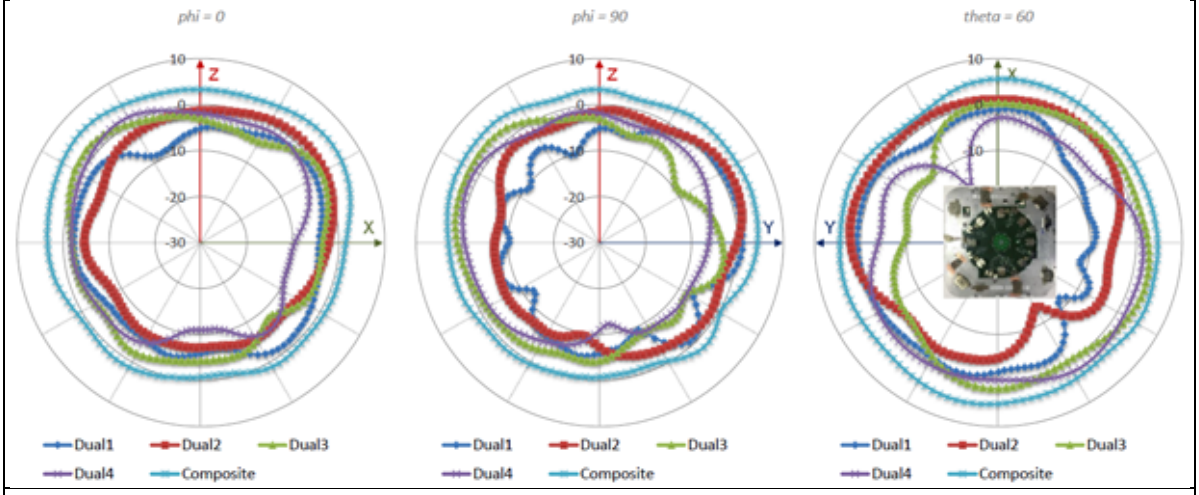
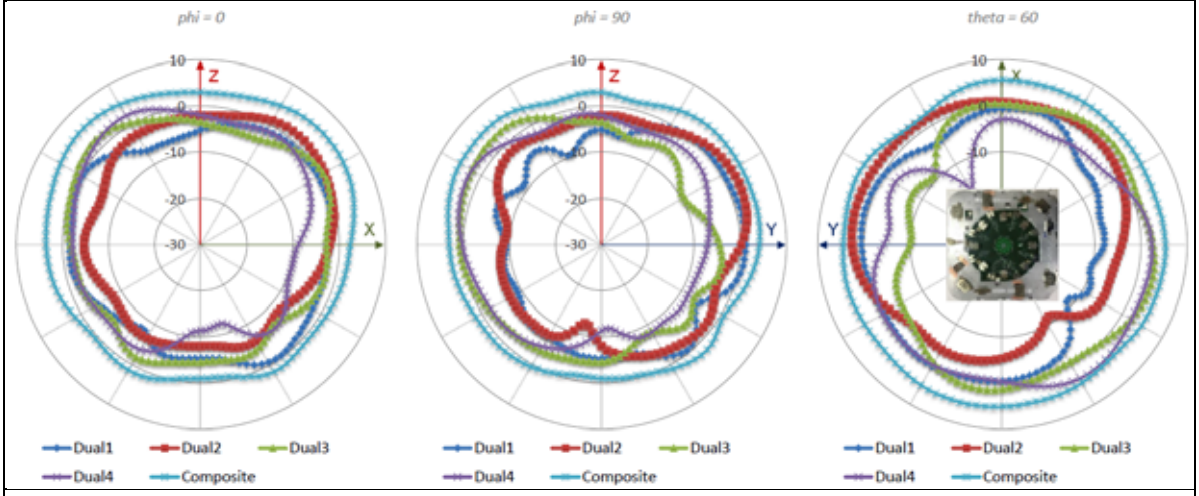
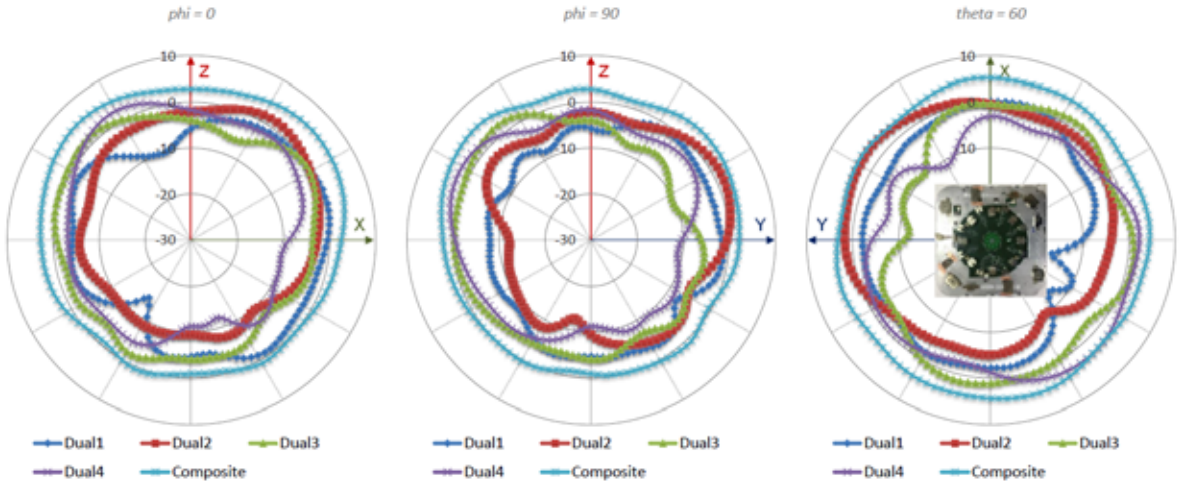
3.6.2 Antenna Pattern

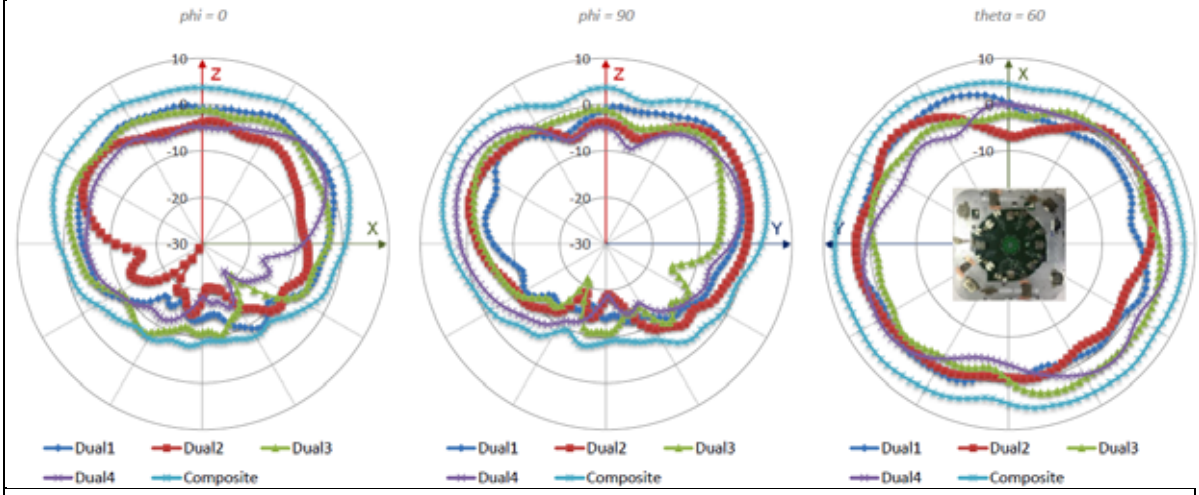
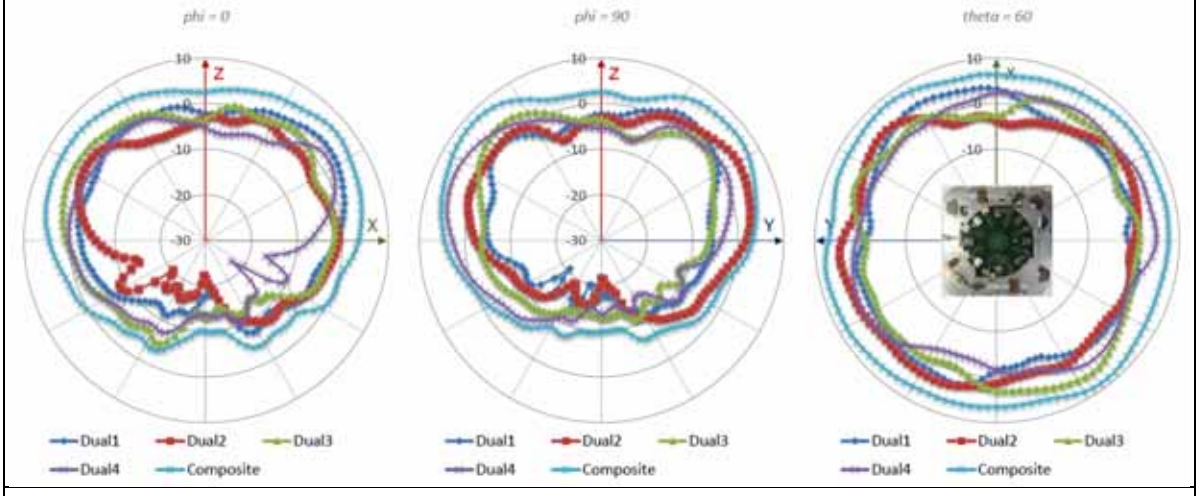
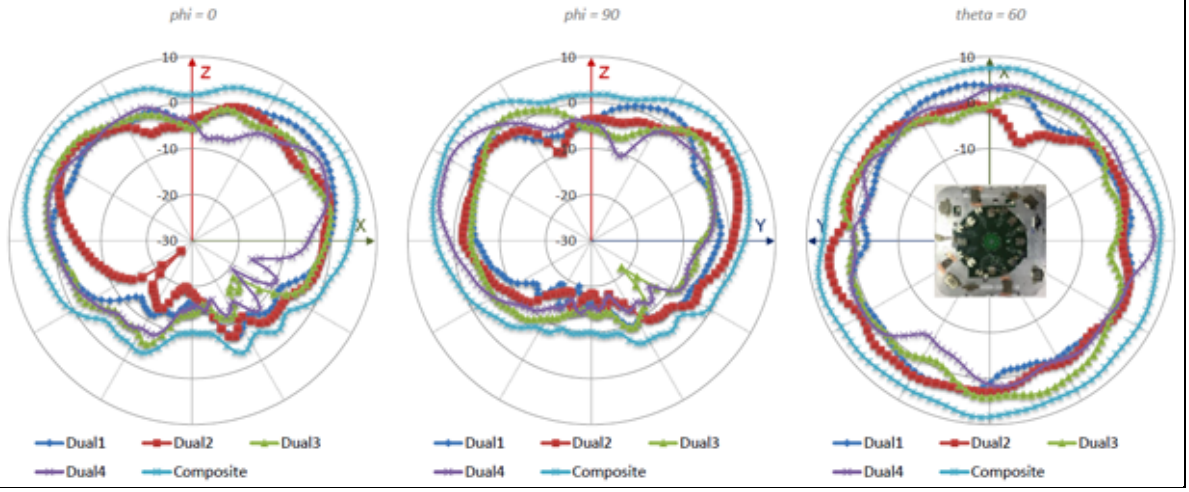
For Internal Antenna

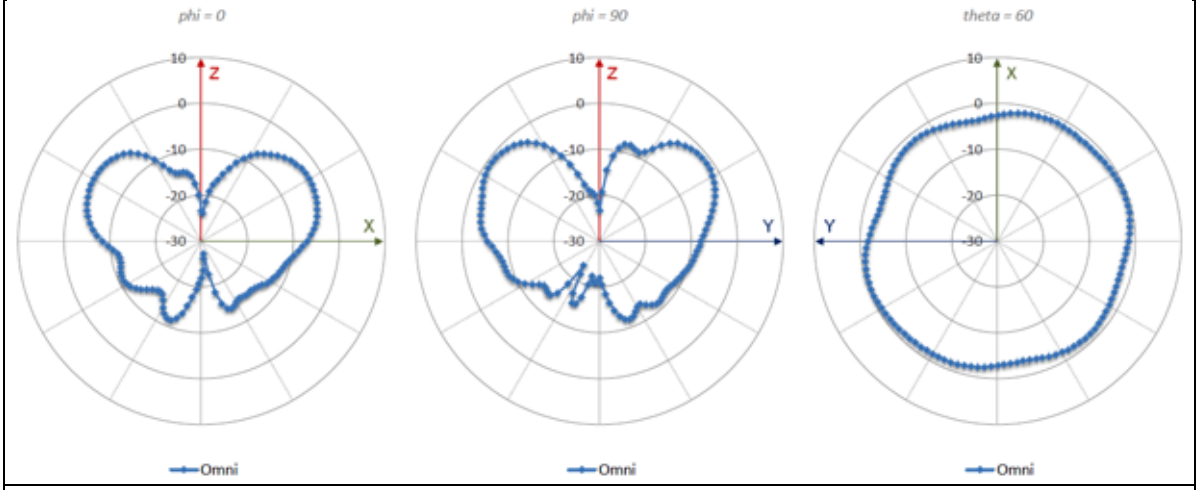
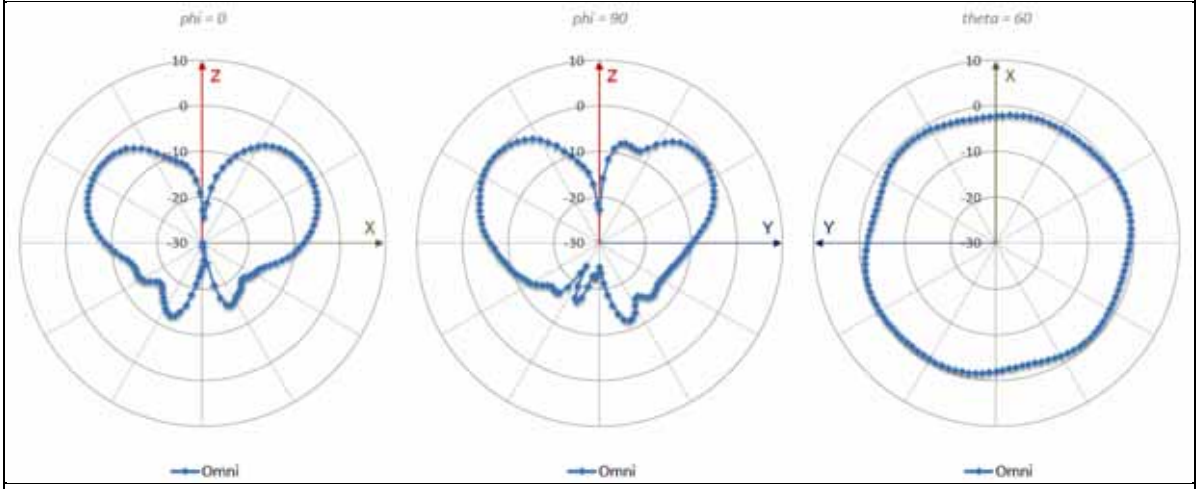
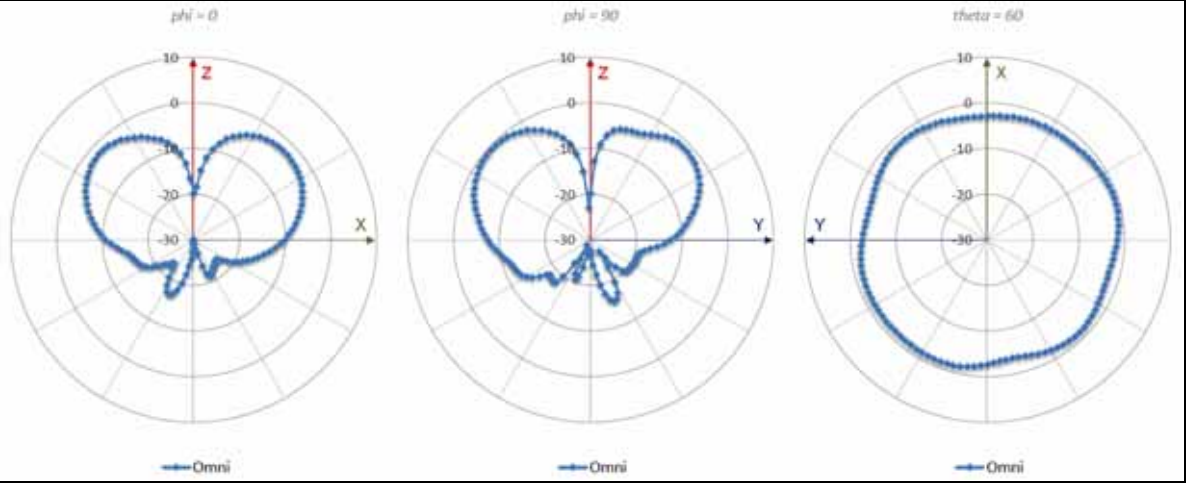
Radio	Antenna Pattern
eth6	5150MHz
	
	5550MHz
	
	5850MHz
	

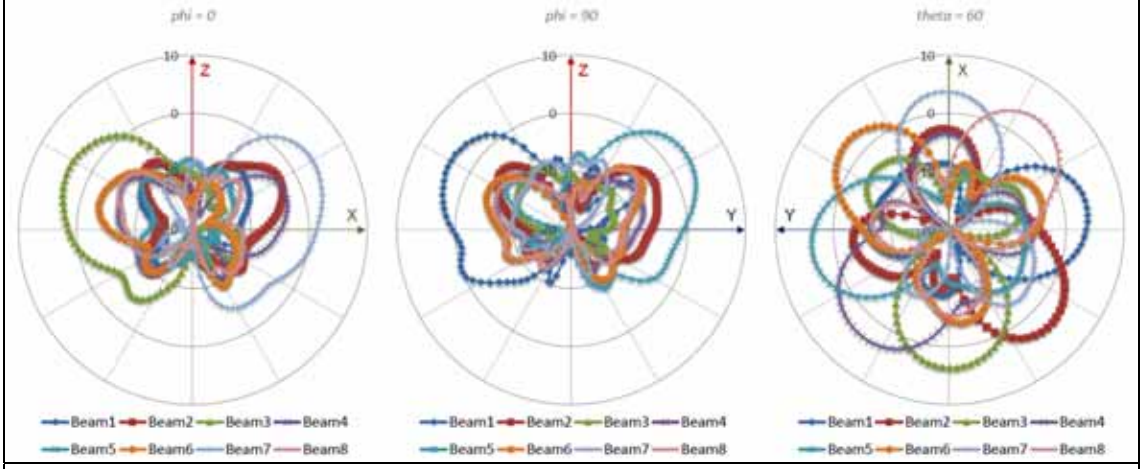
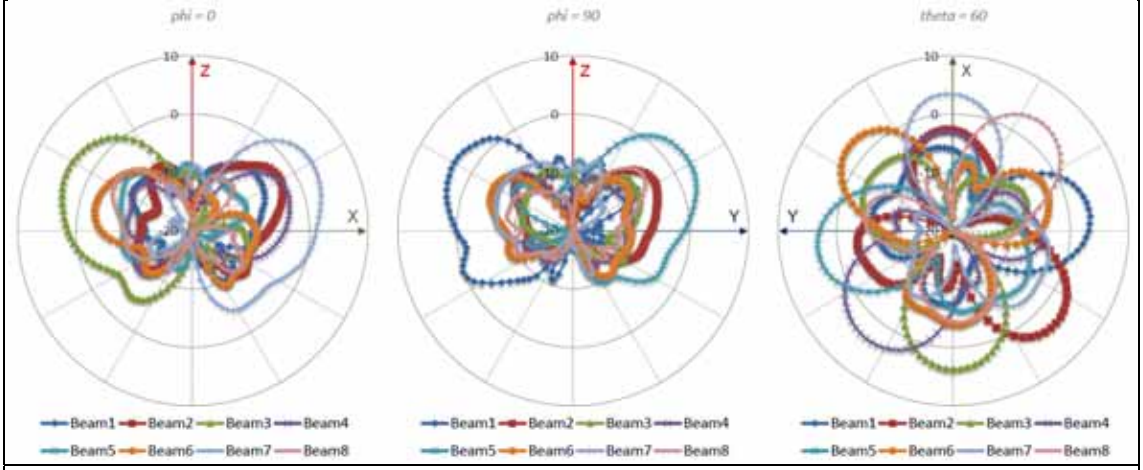
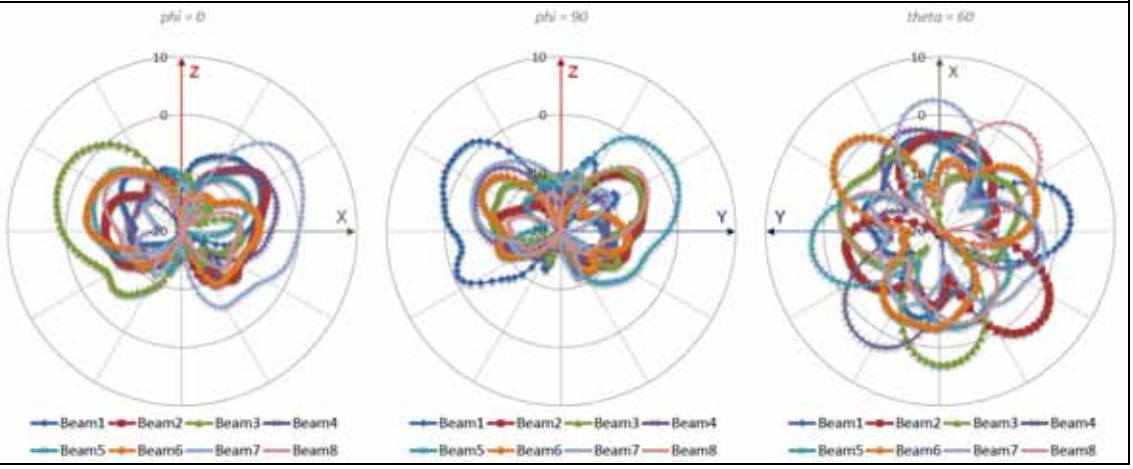
Radio	Antenna Pattern
eth7	2400MHz
	
	2450MHz
	
	2450MHz
	

Radio	Antenna Pattern
eth7	5150MHz
	
	5550MHz
	
	5850MHz
	

Radio	Antenna Pattern
eth8	2400MHz
	
	2450MHz
	
	2450MHz
	

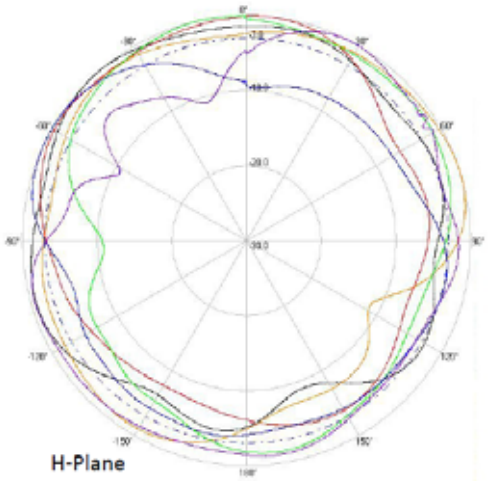
Radio	Antenna Pattern
eth8	5150MHz
	
	5550MHz
	
	5850MHz
	

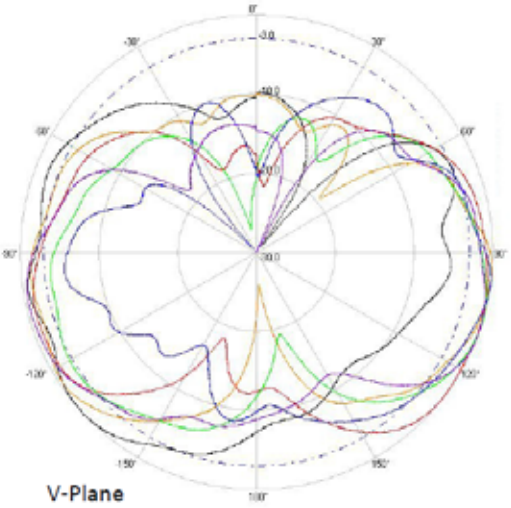
Radio	Antenna Pattern
BT LE Omni	2400MHz
	
	2440MHz
	
	2480MHz
	

Radio	Antenna Pattern
BT LE Directional	2400MHz
	
	2440MHz
	
	2480MHz
	

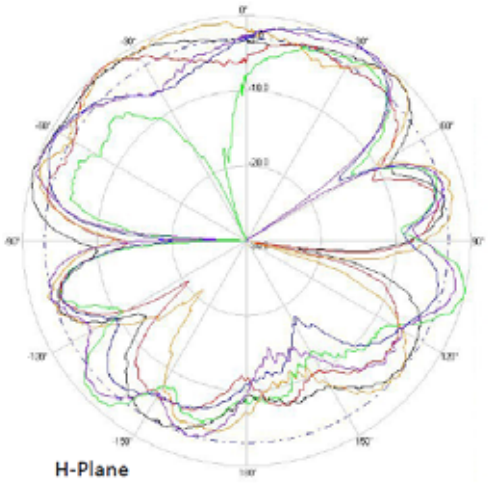
For External Antenna – PN: ATS-OO-245-46-4RPSP-36

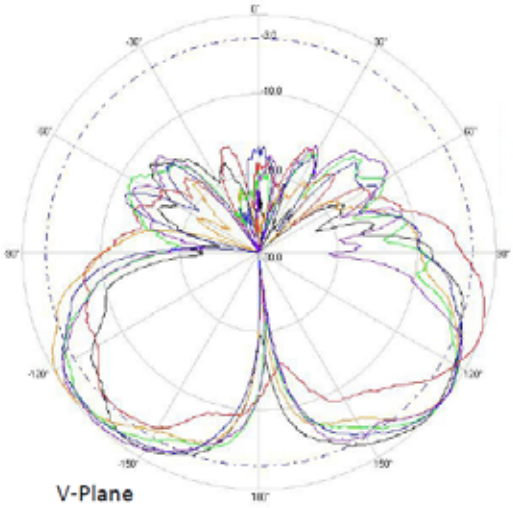
> 2.45 GHZ





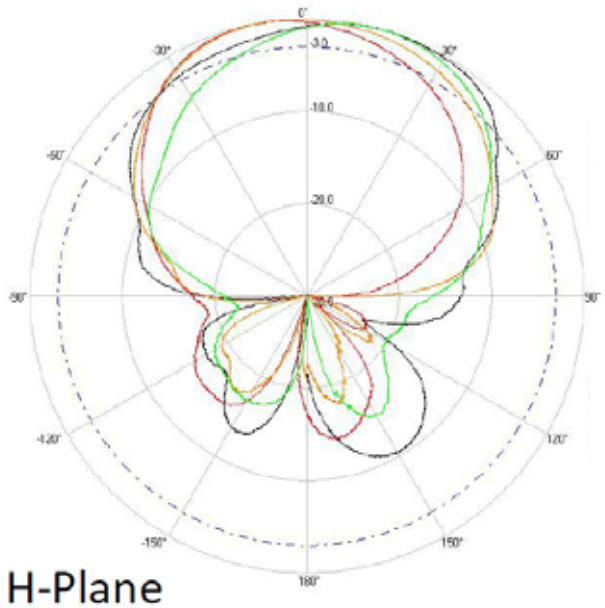
> 5.5 GHZ



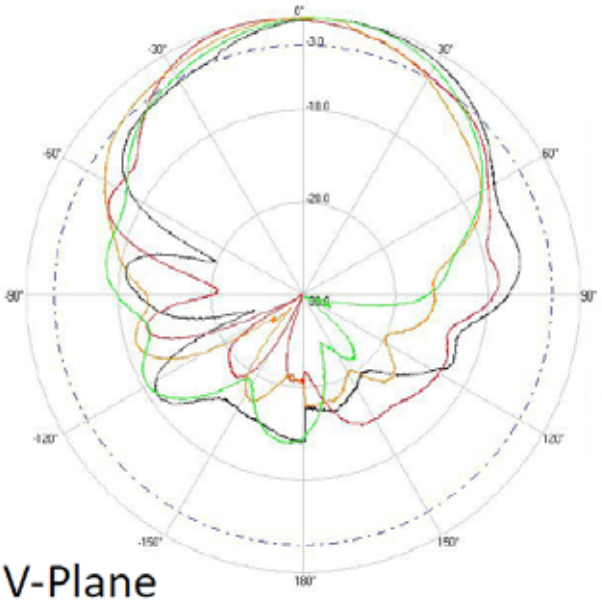


For External Antenna – PN: ATS-OP-245-810-4RPSP-36

> 2.45 GHZ

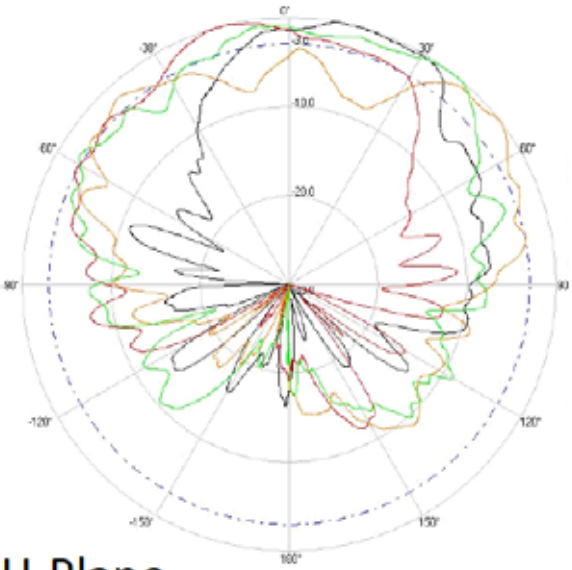


H-Plane

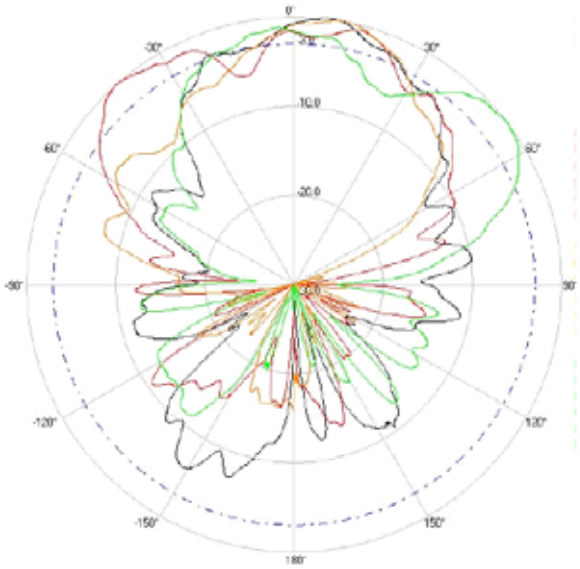


V-Plane

> 5.5 GHZ



H-Plane



V-Plane

4 Test Results

4.1 Frequency Tolerance Measurement

4.1.1 Limits of Frequency Tolerance Measurement

Tolerance of frequency shall be +/- 20ppm

4.1.2 Test Setup



4.1.3 Test Results

3TX

802.11a / 802.11ac (VHT20)

Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier Frequency (MHz)	Frequency Tolerance (ppm)
36	5180	5179.971200	-5.559
48	5240	5239.975600	-4.656
52	5260	5259.976000	-4.562
64	5320	5319.974800	-4.736
100	5500	5499.973200	-4.872
120	5600	5599.974000	-4.642
140	5700	5699.973200	-4.701

802.11ac (VHT40)

Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier Frequency (MHz)	Frequency Tolerance (ppm)
38	5190	5189.978400	-4.161
46	5230	5229.976000	-4.588
54	5270	5269.974800	-4.781
62	5310	5309.973600	-4.971
102	5510	5509.972400	-5.009
118	5590	5589.972400	-4.937
134	5670	5669.972400	-4.867

802.11ac (VHT80)

Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier Frequency (MHz)	Frequency Tolerance (ppm)
42	5210	5209.974800	-4.836
58	5290	5289.973600	-4.990
106	5530	5529.972000	-5.063
122	5610	5609.971600	-5.062

802.11ax (HE20)

Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier Frequency (MHz)	Frequency Tolerance (ppm)
36	5180	5180.010800	2.084
48	5240	5239.993200	-1.297
52	5260	5259.990000	-1.901
64	5320	5319.988800	-2.105
100	5500	5499.987600	-2.254
120	5600	5599.981200	-3.357
140	5700	5699.980000	-3.508

802.11ax (HE40)

Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier Frequency (MHz)	Frequency Tolerance (ppm)
38	5190	5189.981200	-3.622
46	5230	5229.980400	-3.747
54	5270	5269.979600	-3.870
62	5310	5309.979200	-3.917
102	5510	5509.978400	-3.920
118	5590	5589.978000	-3.935
134	5670	5669.974000	-4.585

802.11ax (HE80)

Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier Frequency (MHz)	Frequency Tolerance (ppm)
42	5210	5209.976000	-4.606
58	5290	5289.968800	-5.897
106	5530	5529.968000	-5.786
122	5610	5609.968000	-5.704

4TX

802.11a / 802.11ac (VHT20)

Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier Frequency (MHz)	Frequency Tolerance (ppm)
36	5180	5179.971200	-5.559
48	5240	5239.975600	-4.656
52	5260	5259.976000	-4.562
64	5320	5319.974800	-4.736
100	5500	5499.973200	-4.872
120	5600	5599.974000	-4.642
140	5700	5699.973200	-4.701

802.11ac (VHT40)

Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier Frequency (MHz)	Frequency Tolerance (ppm)
38	5190	5189.978400	-4.161
46	5230	5229.976000	-4.588
54	5270	5269.974800	-4.781
62	5310	5309.973600	-4.971
102	5510	5509.972400	-5.009
118	5590	5589.972400	-4.937
134	5670	5669.972400	-4.867

802.11ac (VHT80)

Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier Frequency (MHz)	Frequency Tolerance (ppm)
42	5210	5209.974800	-4.836
58	5290	5289.973600	-4.990
106	5530	5529.972000	-5.063
122	5610	5609.971600	-5.062

802.11ax (HE20)

Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier Frequency (MHz)	Frequency Tolerance (ppm)
36	5180	5179.980800	-3.706
48	5240	5239.978000	-4.198
52	5260	5259.978000	-4.182
64	5320	5319.976800	-4.360
100	5500	5499.976000	-4.363
120	5600	5599.975600	-4.357
140	5700	5699.974400	-4.491

802.11ax (HE40)

Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier Frequency (MHz)	Frequency Tolerance (ppm)
38	5190	5189.993200	-1.310
46	5230	5229.992800	-1.376
54	5270	5269.992000	-1.518
62	5310	5309.991600	-1.581
102	5510	5509.991200	-1.597
118	5590	5589.990000	-1.788
134	5670	5669.989600	-1.834

802.11ax (HE80)

Chain 0

Channel	Frequency (MHz)	V_{normal}	
		Carrier Frequency (MHz)	Frequency Tolerance (ppm)
42	5210	5209.988400	-2.226
58	5290	5289.988000	-2.268
106	5530	5529.986800	-2.386
122	5610	5609.986400	-2.424

4.2 Occupied Bandwidth Measurement (99% power bandwidth)

4.2.1 Limits of Occupied Bandwidth Measurement

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

4.2.2 Test Setup



4.2.3 Test Results

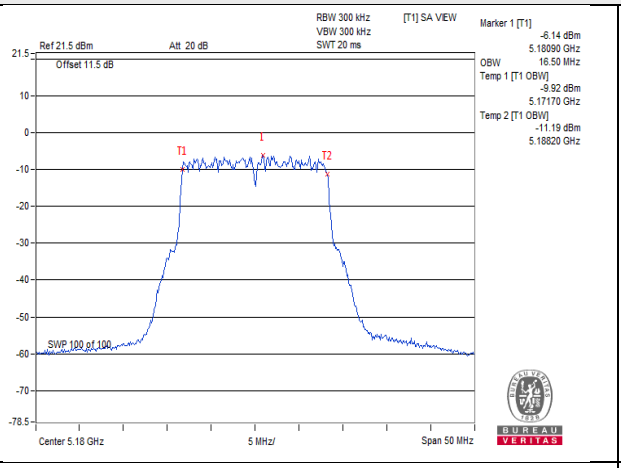
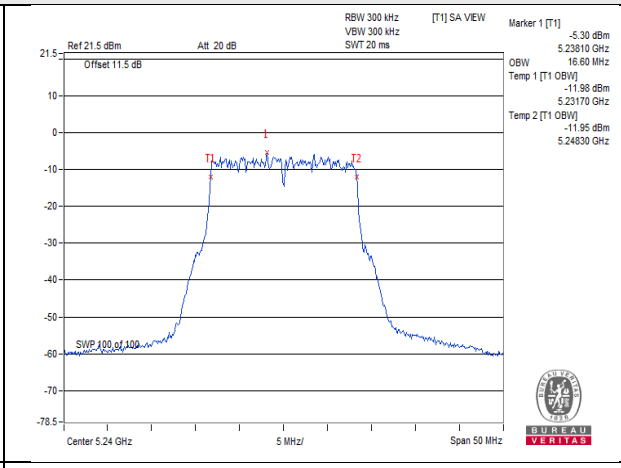
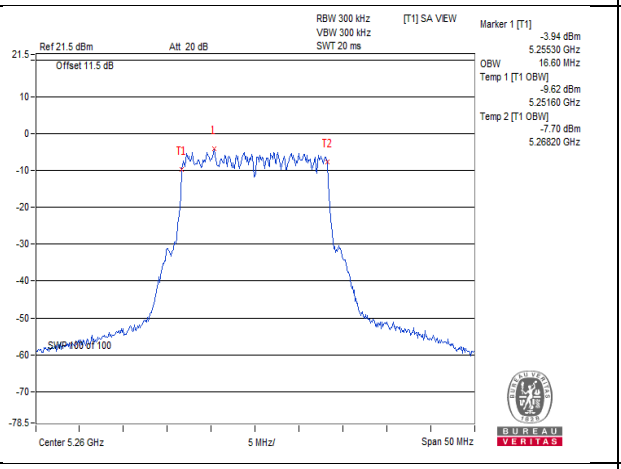
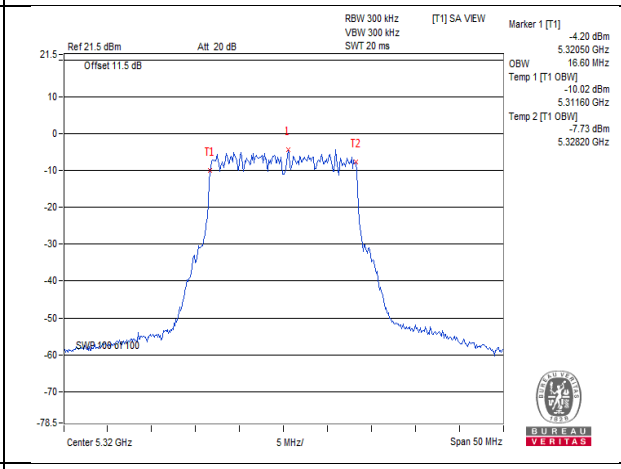
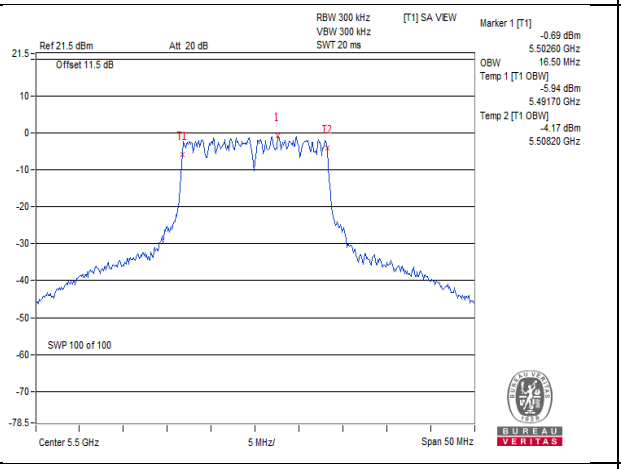
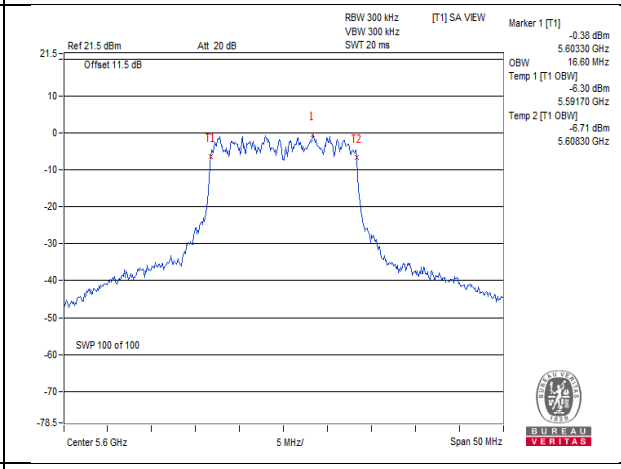
3TX

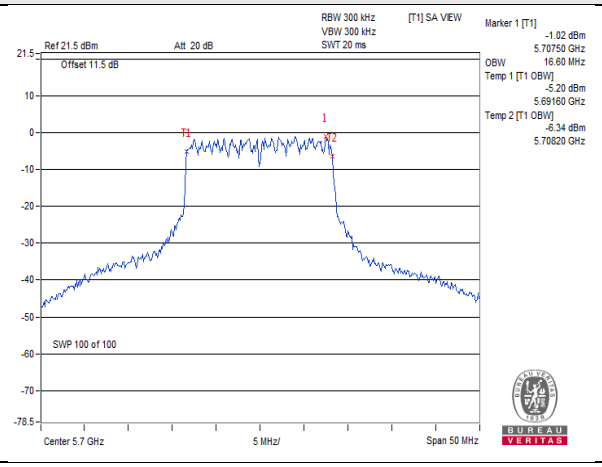
802.11a

Chain 0

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	16.50
48	5240	16.60
52	5260	16.60
64	5320	16.60
100	5500	16.50
120	5600	16.60
140	5700	16.60

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

V_{normal}	
	
CH 36 (5180MHz)	CH 48 (5240MHz)
	
CH 52 (5260MHz)	CH 64 (5320MHz)
	
CH 100 (5500MHz)	CH 120 (5600MHz)

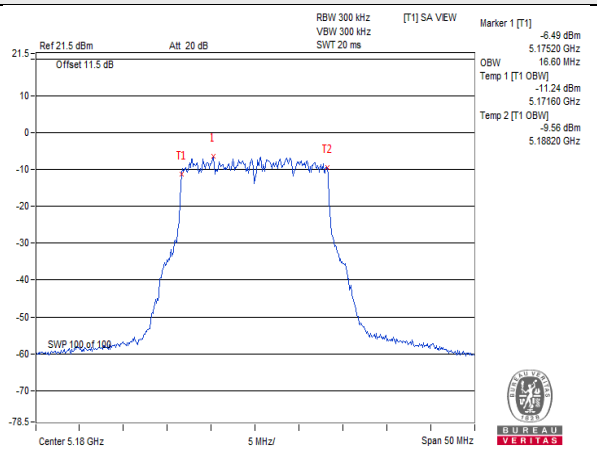
V_{normal}	
	
CH 140 (5700MHz)	

Chain 1

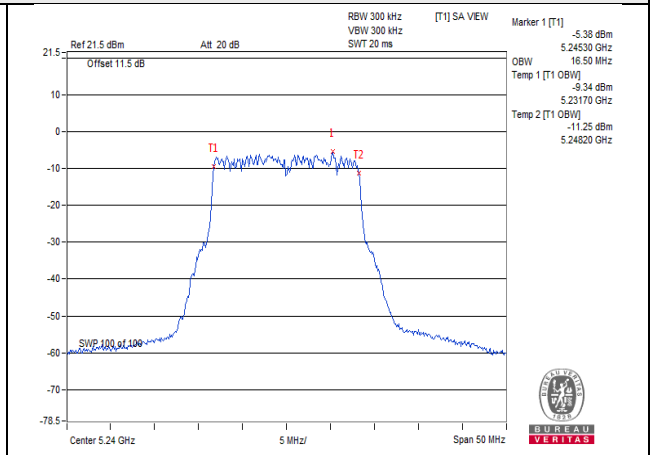
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	16.60
48	5240	16.50
52	5260	16.50
64	5320	16.60
100	5500	16.60
120	5600	16.70
140	5700	16.60

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

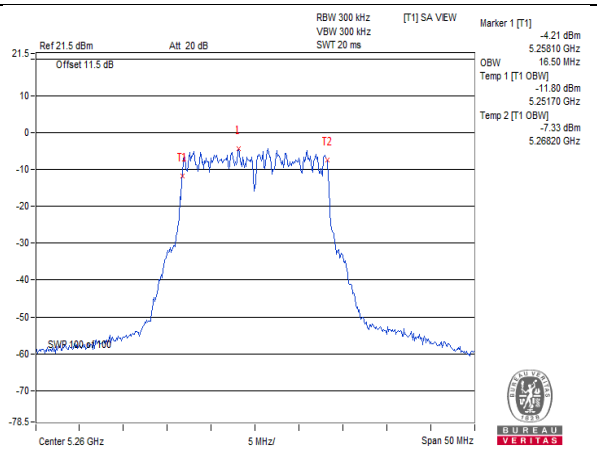
Vnormal



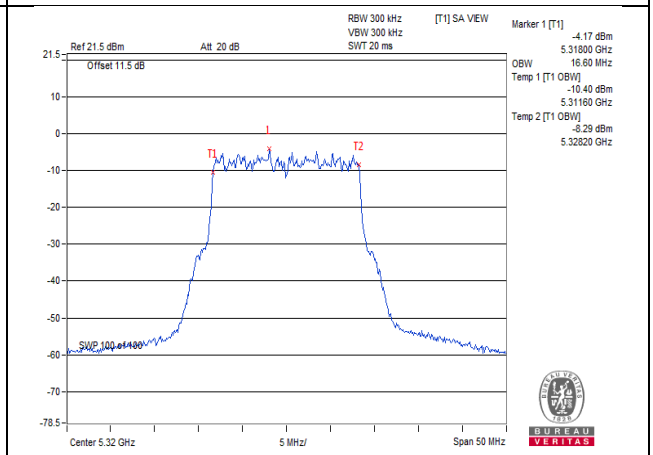
CH 36 (5180MHz)



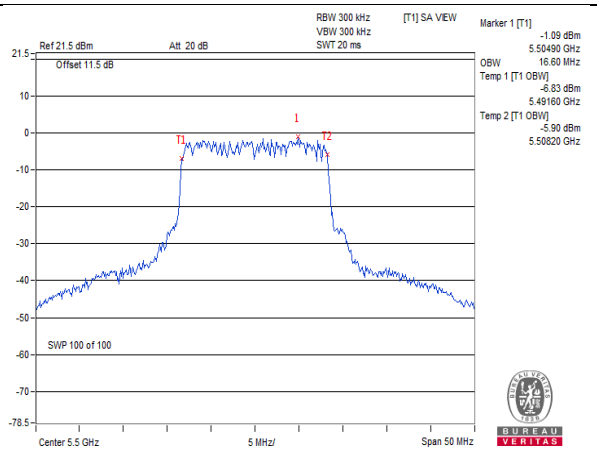
CH 48 (5240MHz)



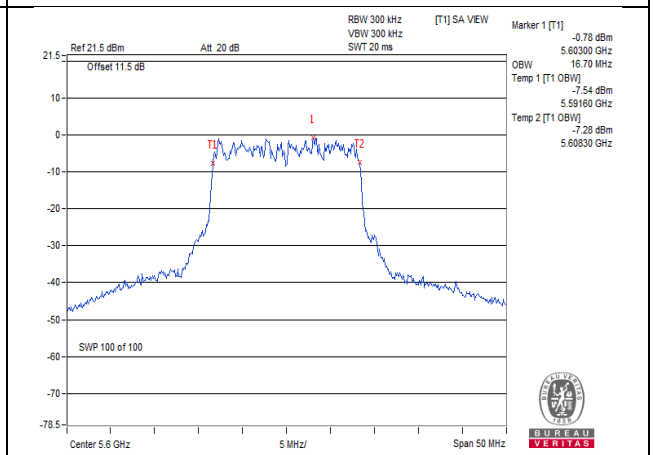
CH 52 (5260MHz)



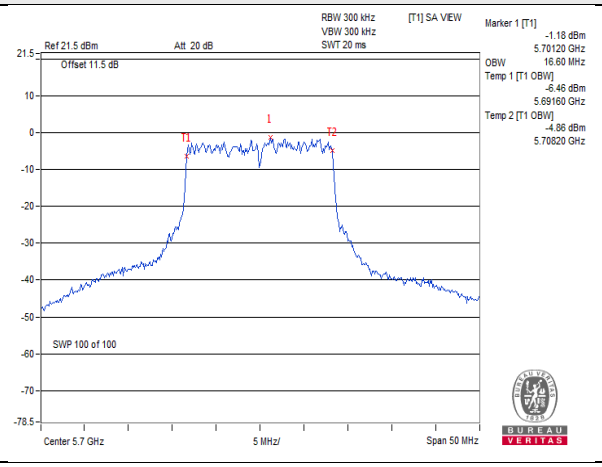
CH 64 (5320MHz)



CH 100 (5500MHz)



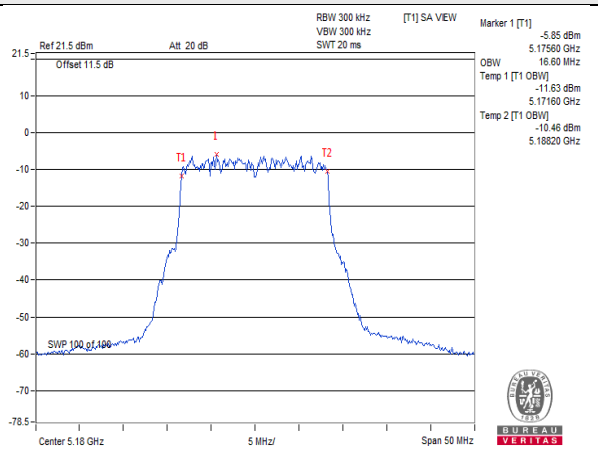
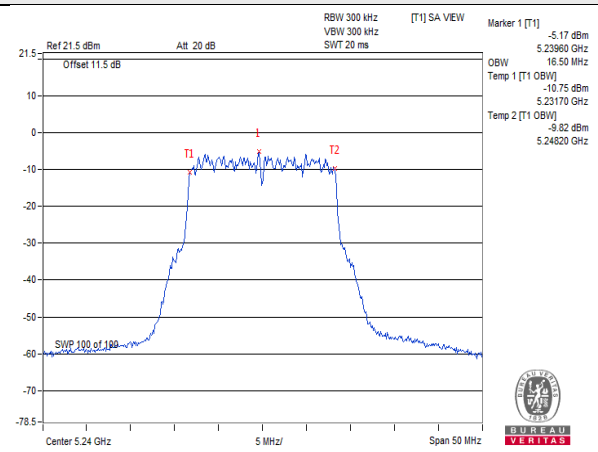
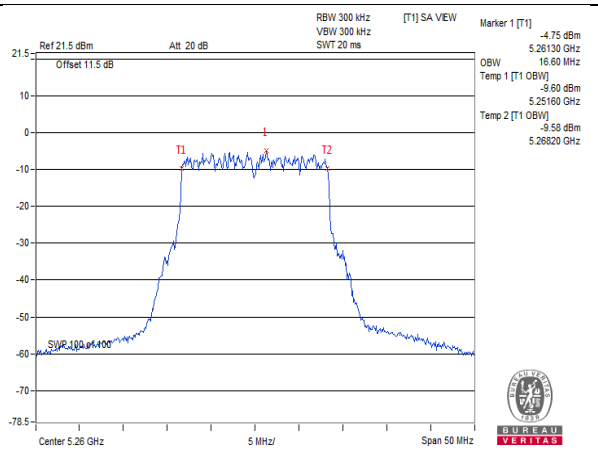
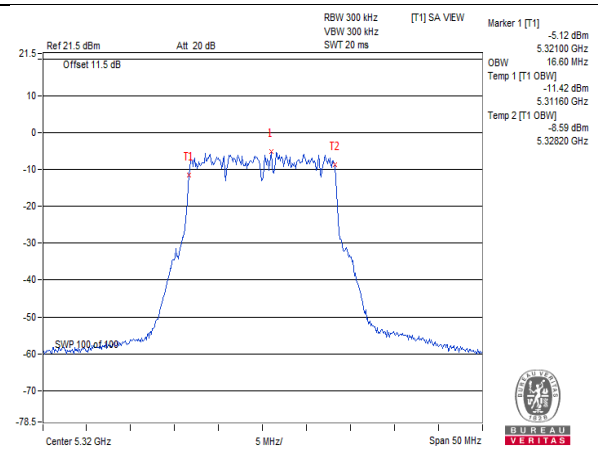
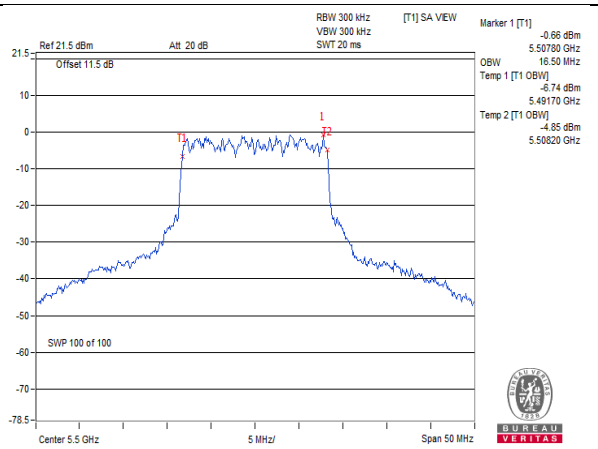
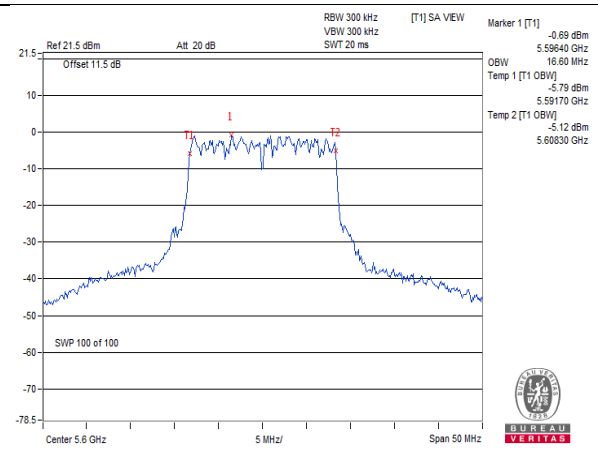
CH 120 (5600MHz)

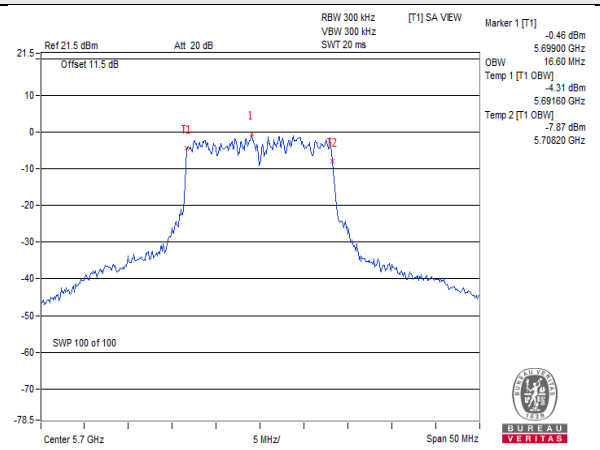
V_{normal}	
	
CH 140 (5700MHz)	

Chain 2

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	16.60
48	5240	16.50
52	5260	16.60
64	5320	16.60
100	5500	16.50
120	5600	16.60
140	5700	16.60

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

V_{normal}	
	
CH 36 (5180MHz)	CH 48 (5240MHz)
	
CH 52 (5260MHz)	CH 64 (5320MHz)
	
CH 100 (5500MHz)	CH 120 (5600MHz)

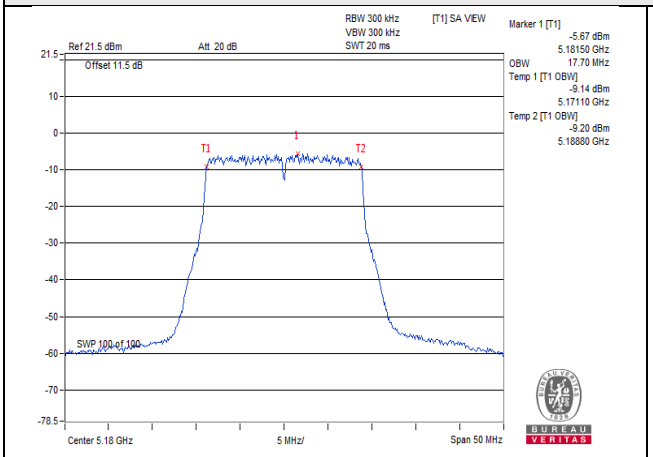
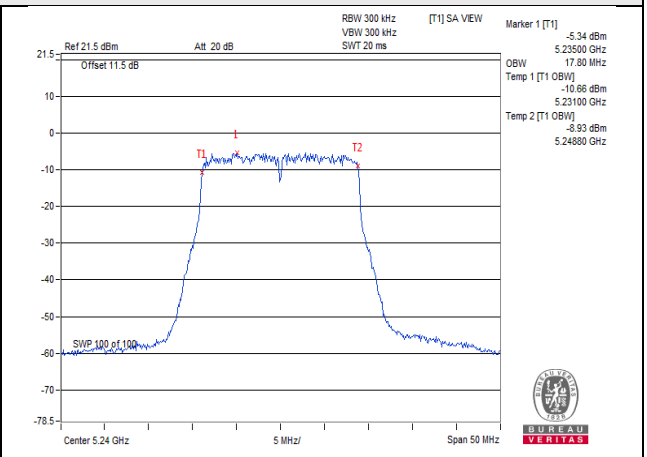
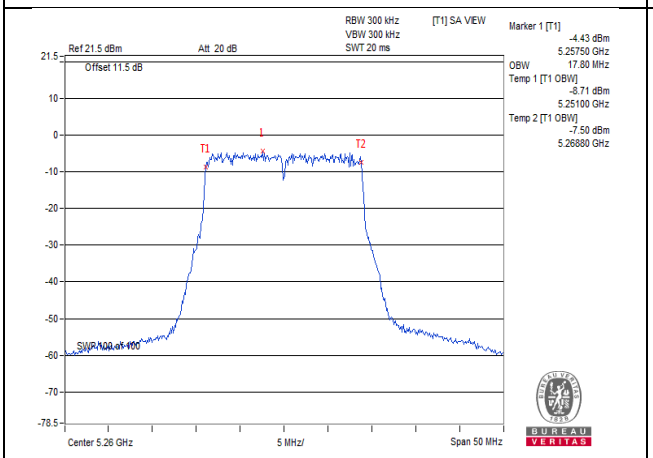
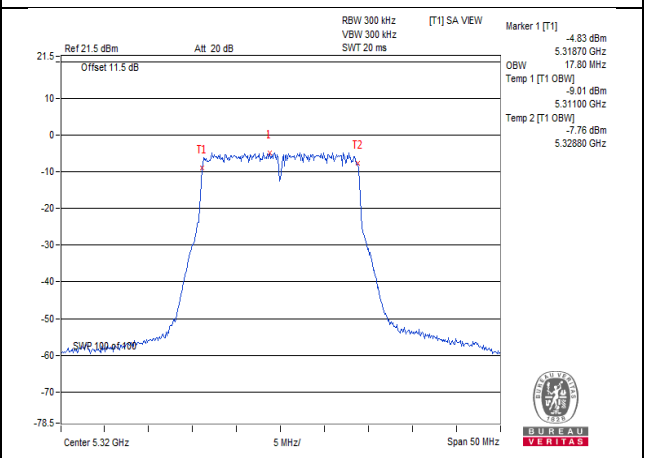
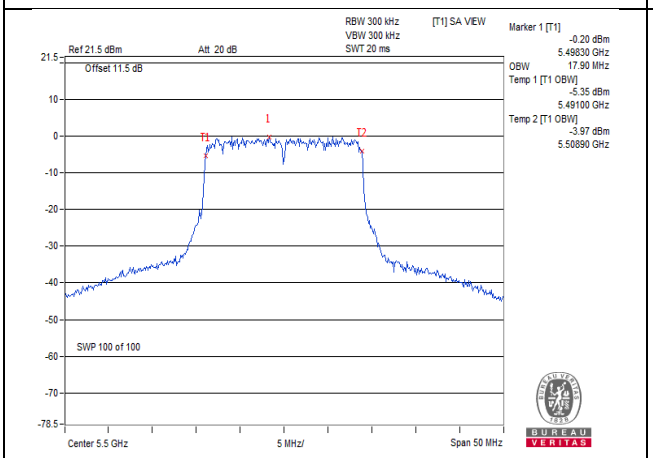
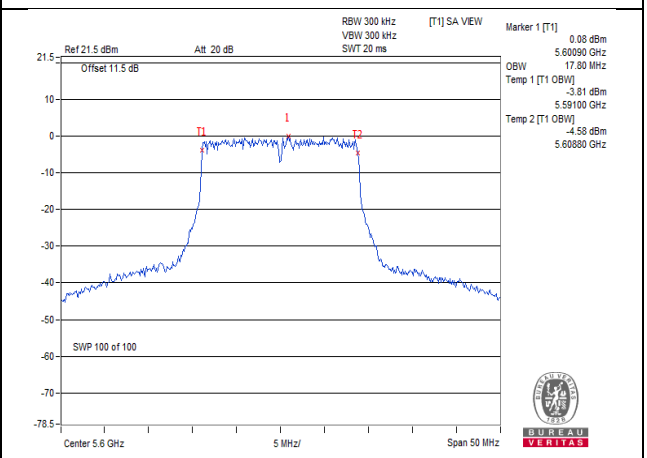
V_{normal}	
	
CH 140 (5700MHz)	

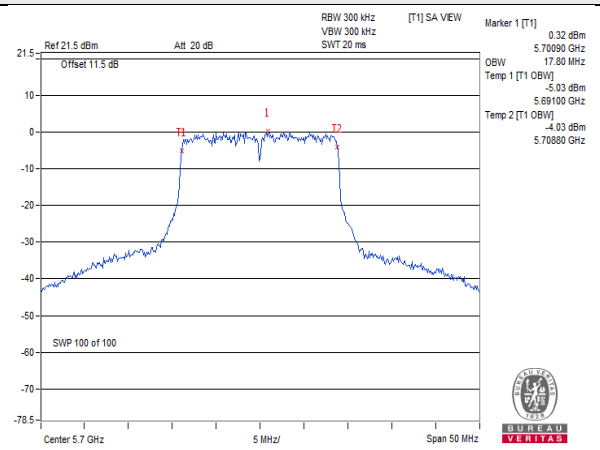
802.11ac (VHT20)

Chain 0

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	17.70
48	5240	17.80
52	5260	17.80
64	5320	17.80
100	5500	17.90
120	5600	17.80
140	5700	17.80

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

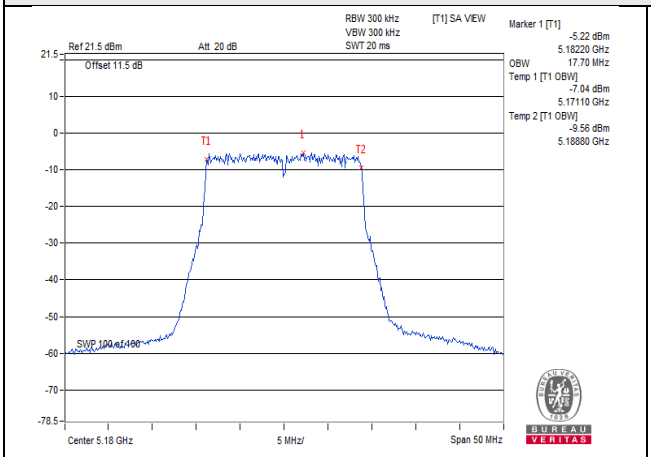
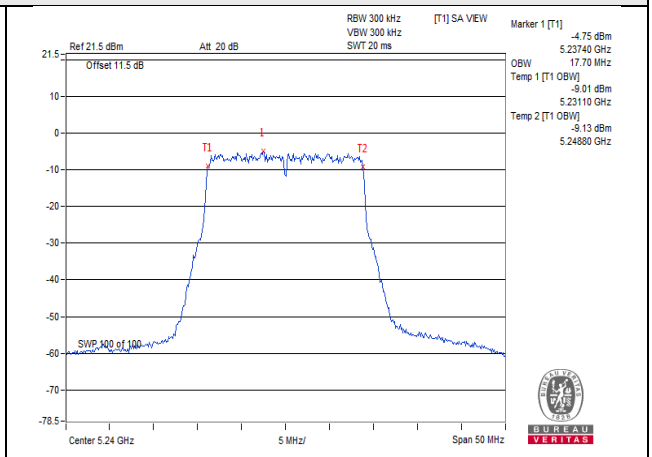
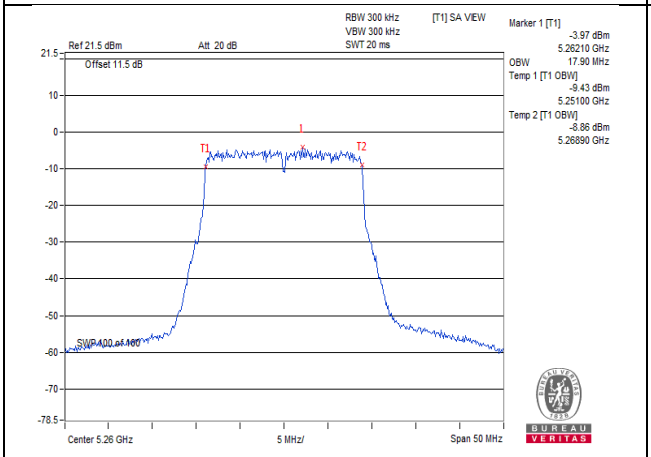
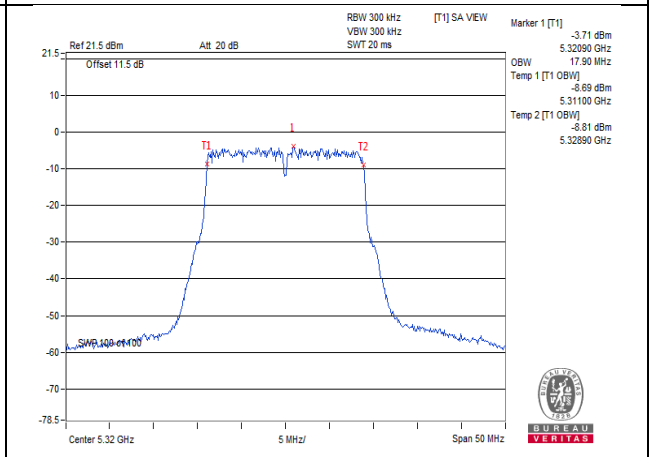
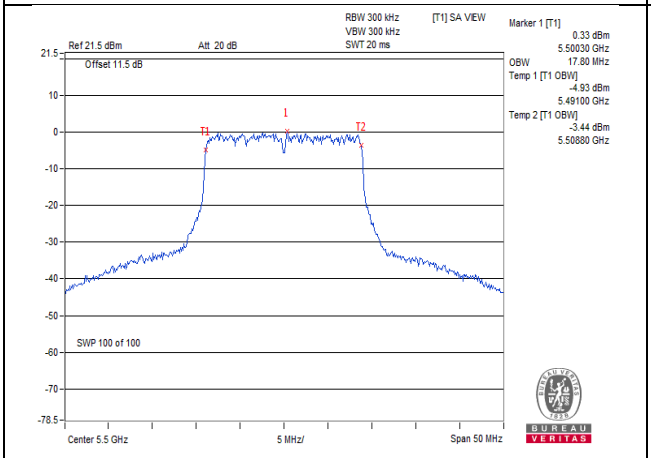
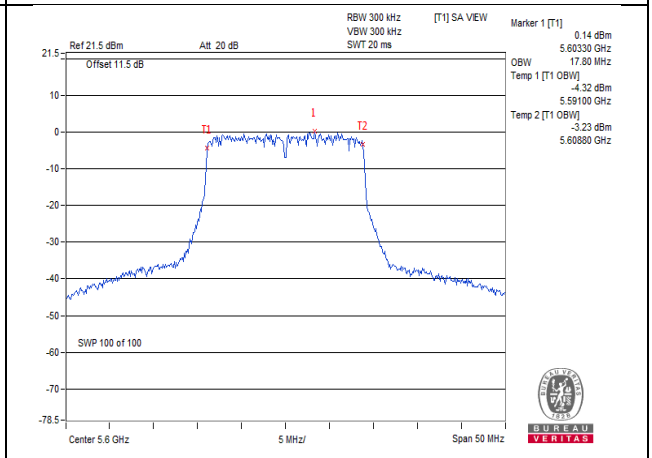
V_{normal}	
	
CH 36 (5180MHz)	CH 48 (5240MHz)
	
CH 52 (5260MHz)	CH 64 (5320MHz)
	
CH 100 (5500MHz)	CH 120 (5600MHz)

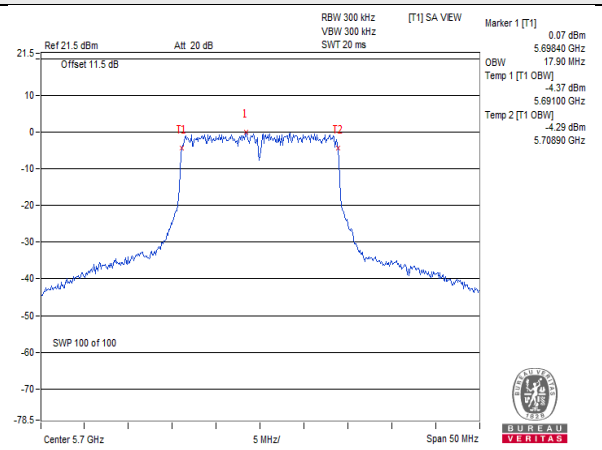
V_{normal}	
	
CH 140 (5700MHz)	

Chain 1

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	17.70
48	5240	17.70
52	5260	17.90
64	5320	17.90
100	5500	17.80
120	5600	17.80
140	5700	17.90

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

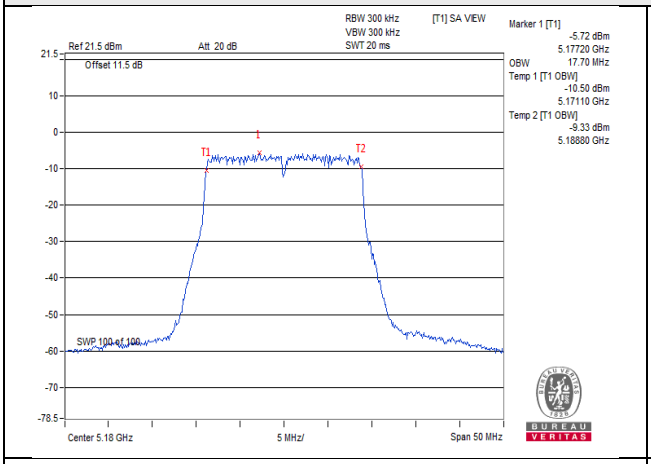
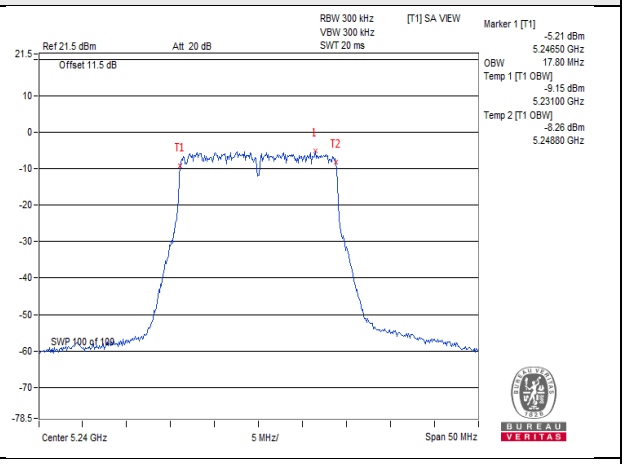
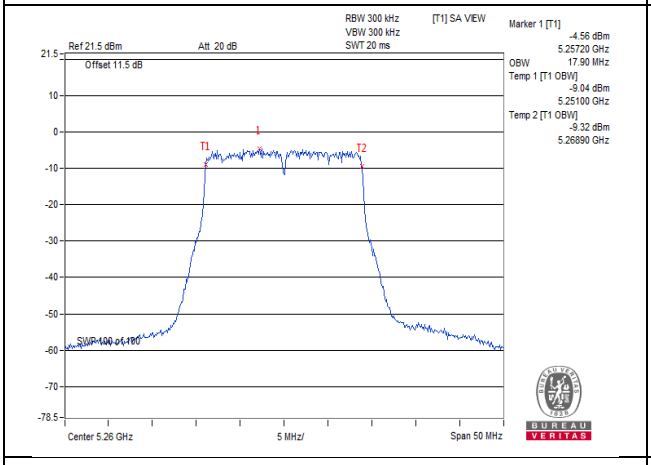
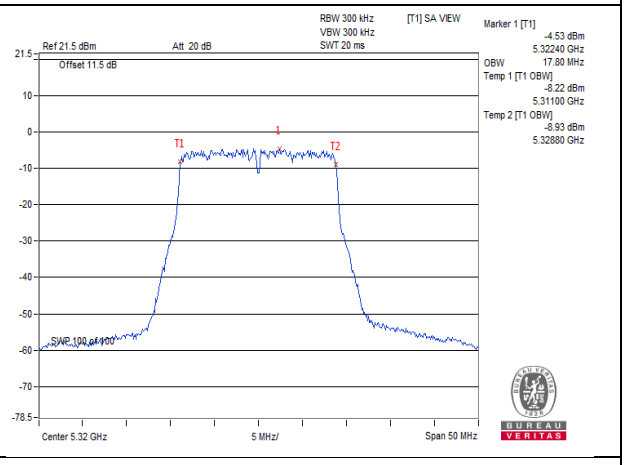
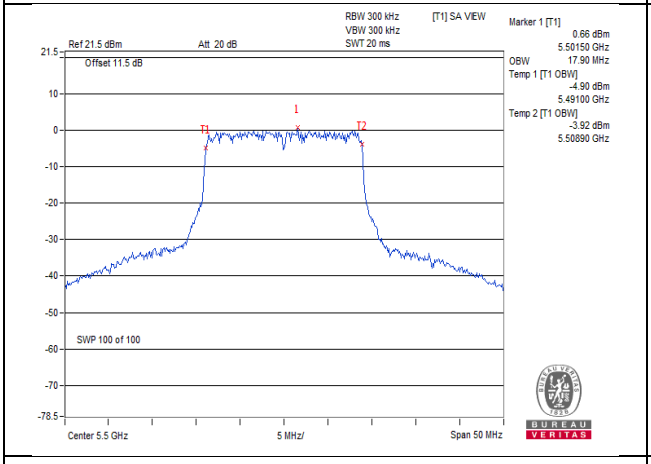
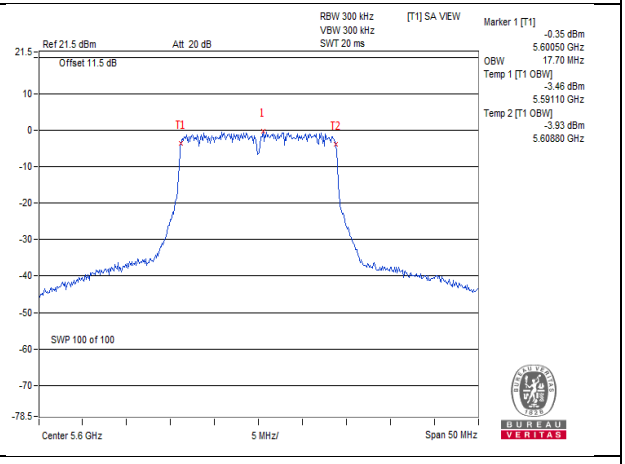
V_{normal}	
	
CH 36 (5180MHz)	CH 48 (5240MHz)
	
CH 52 (5260MHz)	CH 64 (5320MHz)
	
CH 100 (5500MHz)	CH 120 (5600MHz)

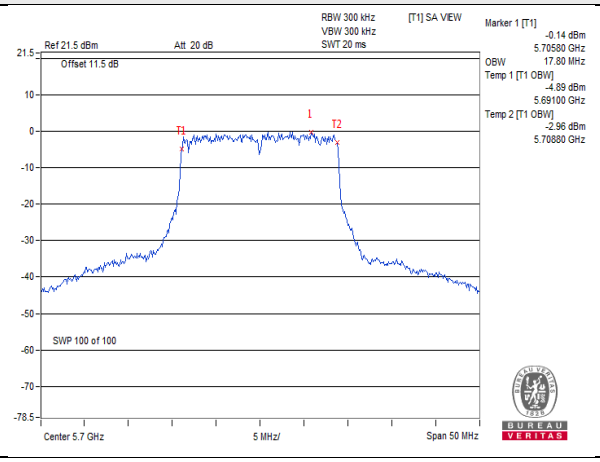
V_{normal}	
	
CH 140 (5700MHz)	

Chain 2

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	17.70
48	5240	17.80
52	5260	17.90
64	5320	17.80
100	5500	17.90
120	5600	17.70
140	5700	17.80

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

V_{normal}	
	
CH 36 (5180MHz)	CH 48 (5240MHz)
	
CH 52 (5260MHz)	CH 64 (5320MHz)
	
CH 100 (5500MHz)	CH 120 (5600MHz)

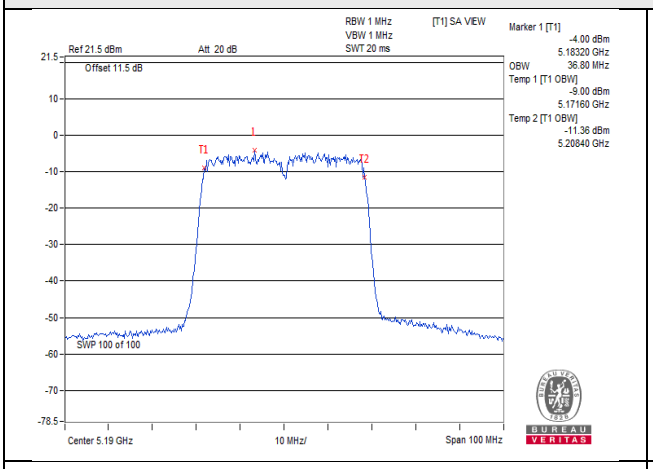
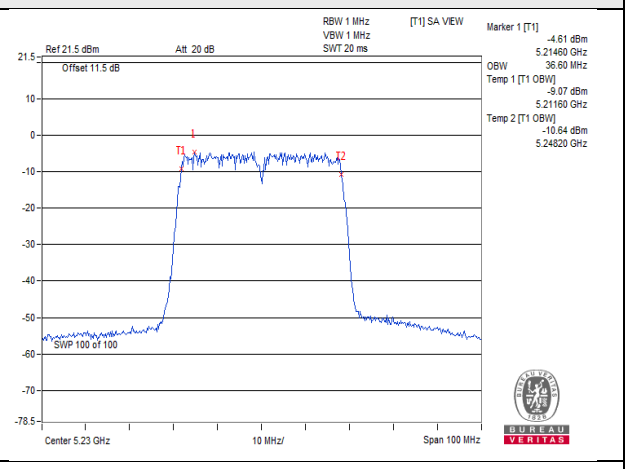
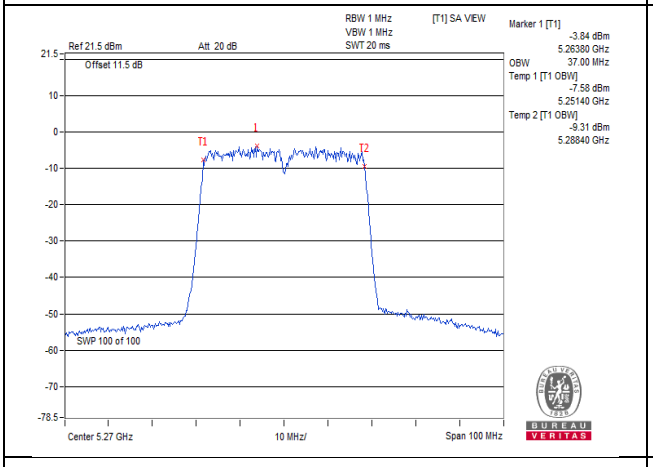
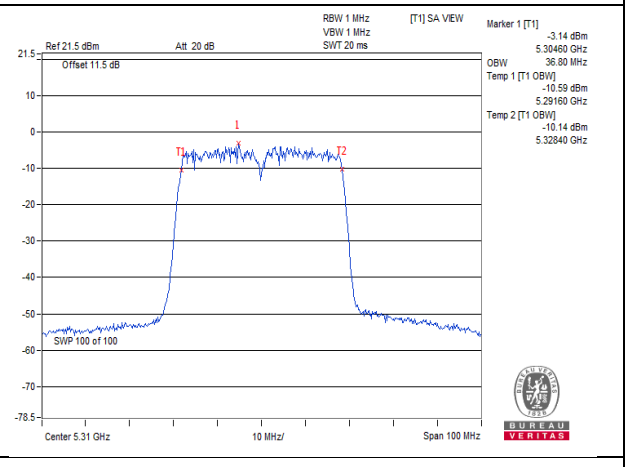
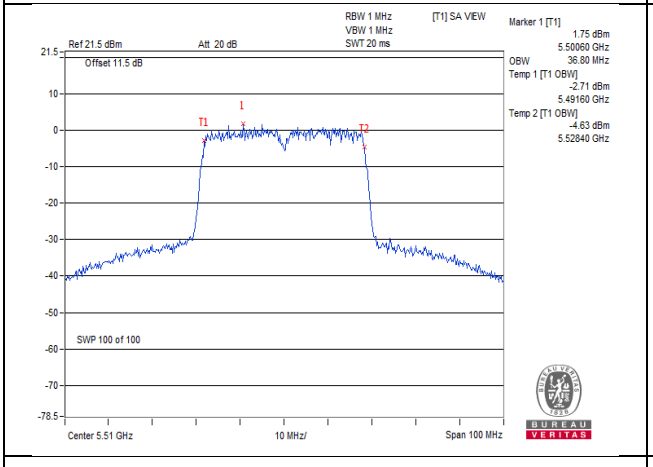
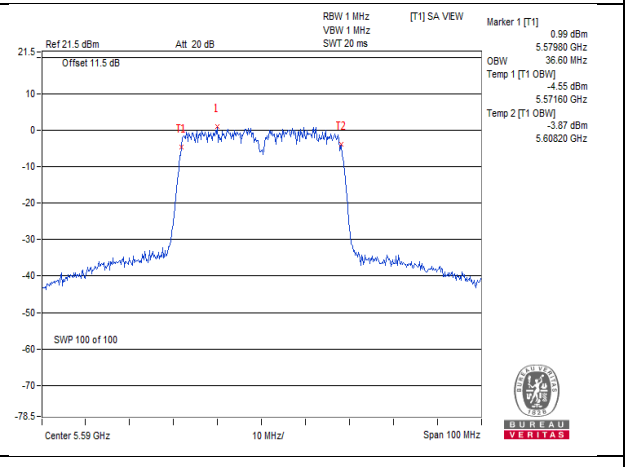
V_{normal}	
	
CH 140 (5700MHz)	

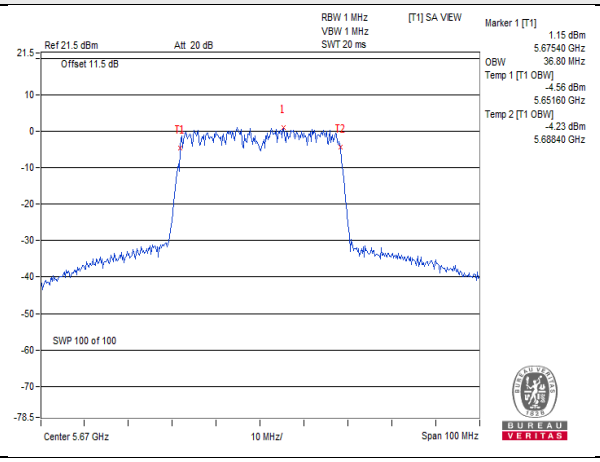
802.11ac (VHT40)

Chain 0

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
38	5190	36.80
46	5230	36.60
54	5270	37.00
62	5310	36.80
102	5510	36.80
118	5590	36.60
134	5670	36.80

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

V_{normal}	
	
CH 38 (5190MHz)	CH 46 (5230MHz)
	
CH 54 (5270MHz)	CH 62 (5310MHz)
	
CH 102 (5510MHz)	CH 118 (5590MHz)

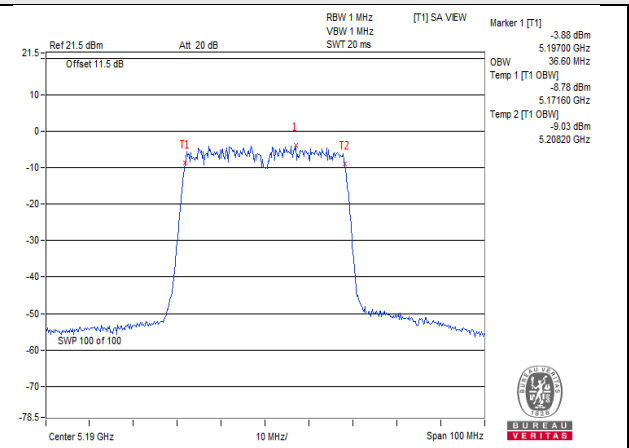
V_{normal}	
	
CH 134 (5670MHz)	

Chain 1

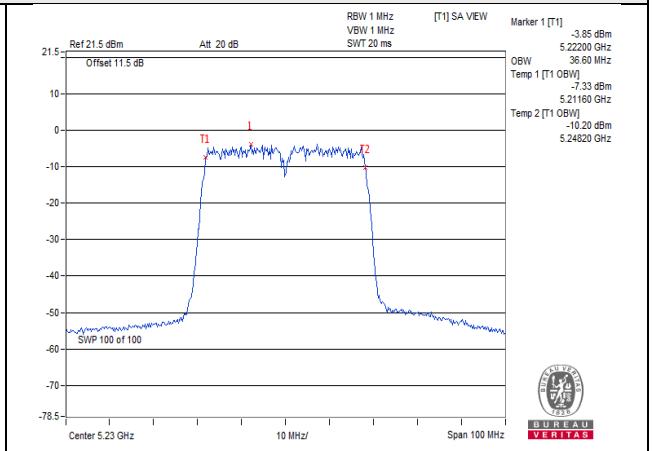
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
38	5190	36.60
46	5230	36.60
54	5270	36.60
62	5310	36.80
102	5510	36.80
118	5590	36.60
134	5670	37.00

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

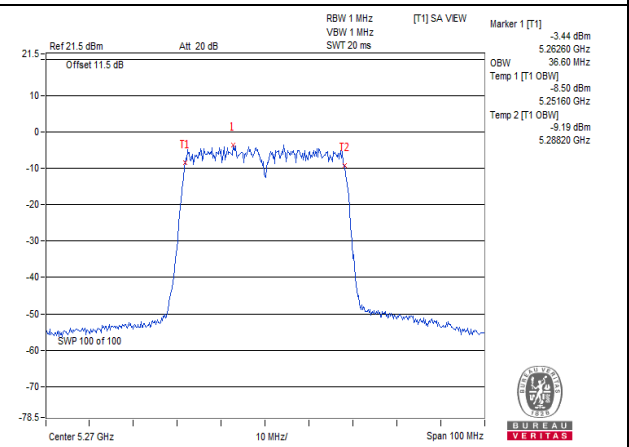
Vnormal



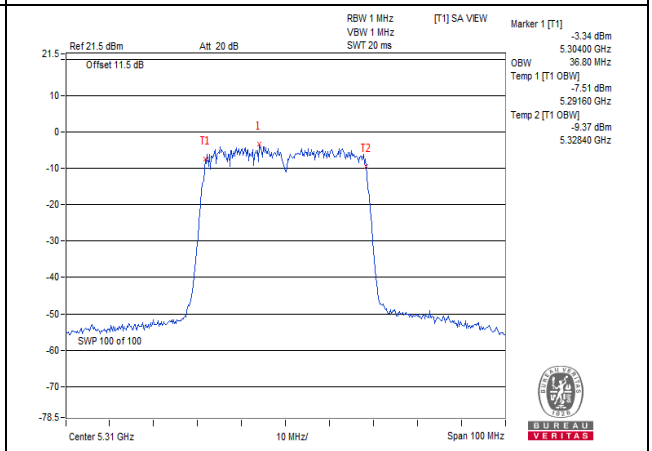
CH 38 (5190MHz)



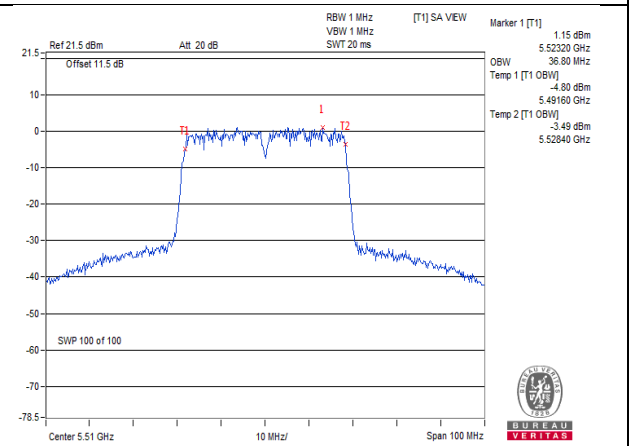
CH 46 (5230MHz)



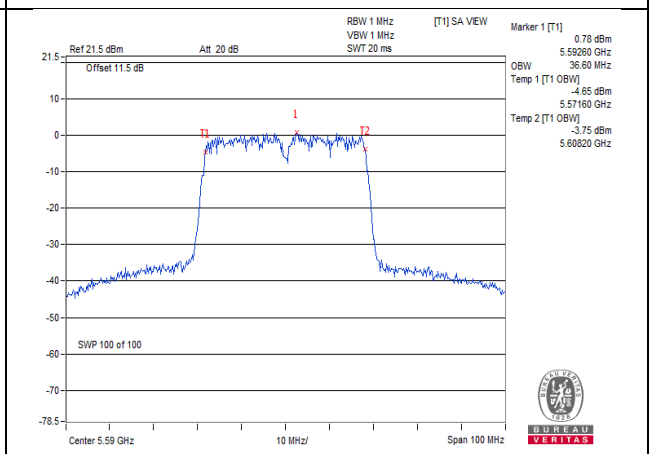
CH 54 (5270MHz)



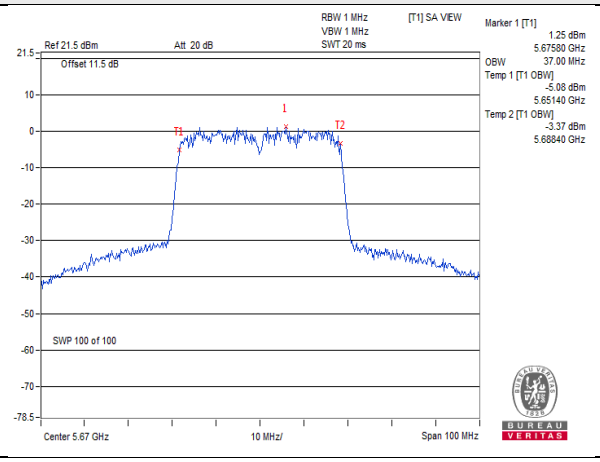
CH 62 (5310MHz)



CH 102 (5510MHz)



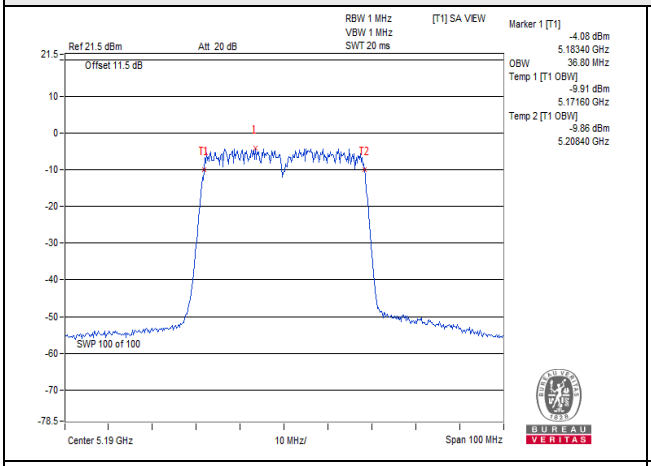
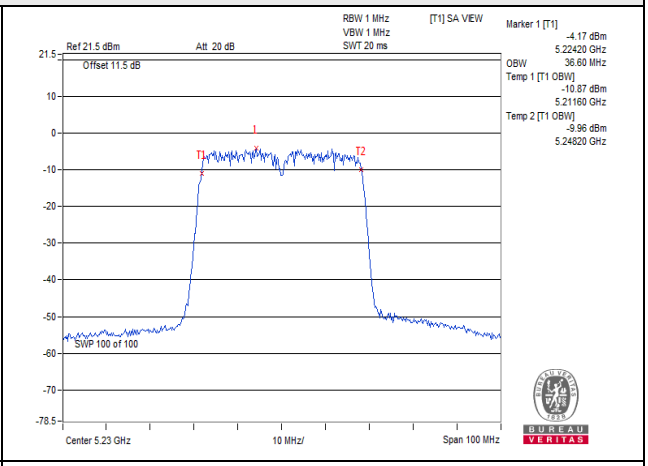
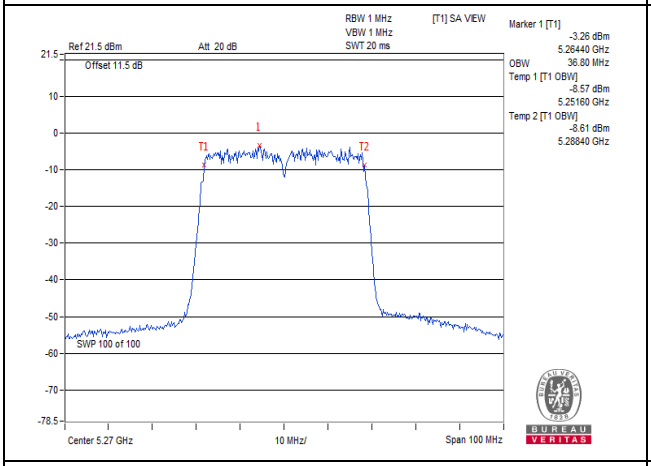
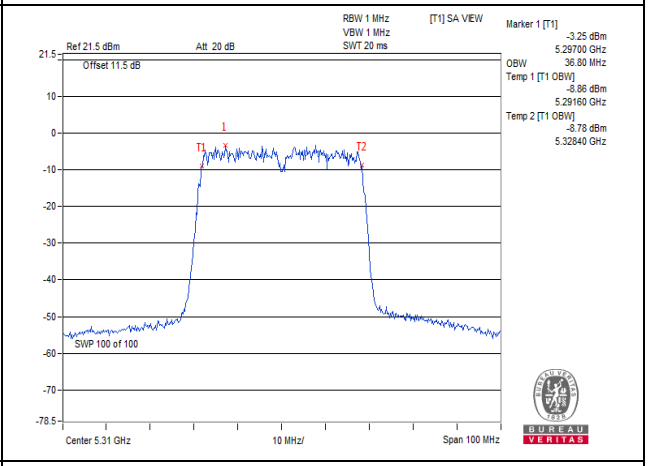
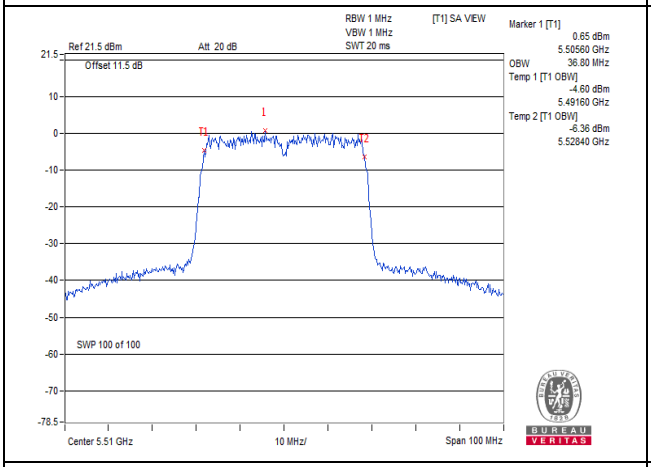
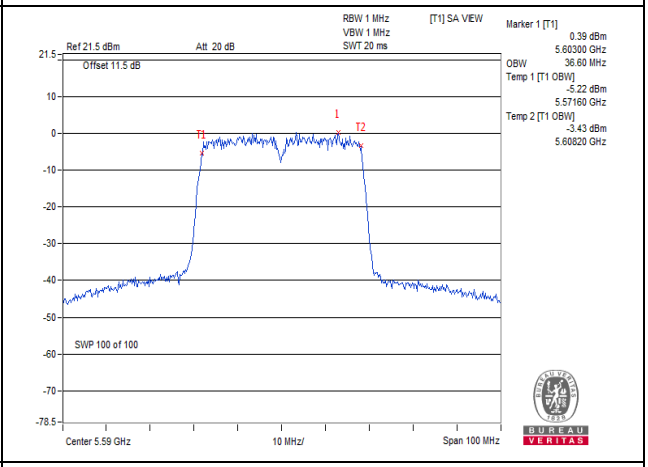
CH 118 (5590MHz)

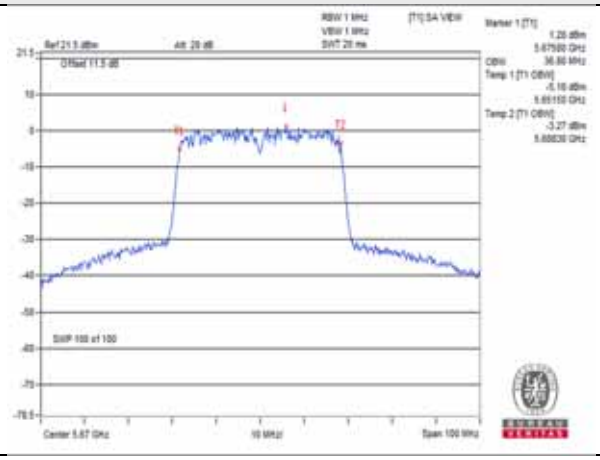
V_{normal}	
	
CH 134 (5670MHz)	

Chain 2

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
38	5190	36.80
46	5230	36.60
54	5270	36.80
62	5310	36.80
102	5510	36.80
118	5590	36.60
134	5670	36.80

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

V_{normal}	
	
CH 38 (5190MHz)	CH 46 (5230MHz)
	
CH 54 (5270MHz)	CH 62 (5310MHz)
	
CH 102 (5510MHz)	CH 118 (5590MHz)

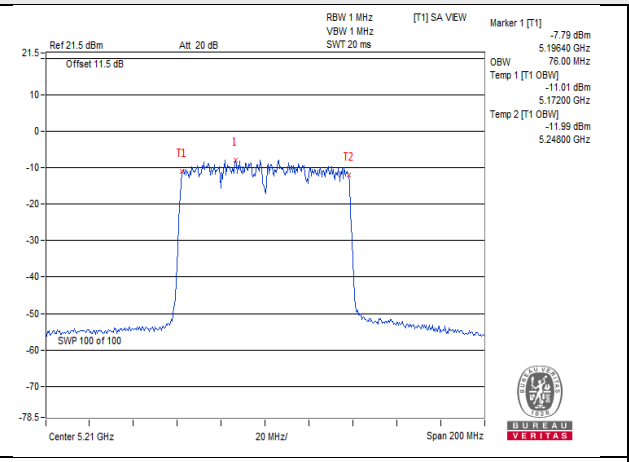
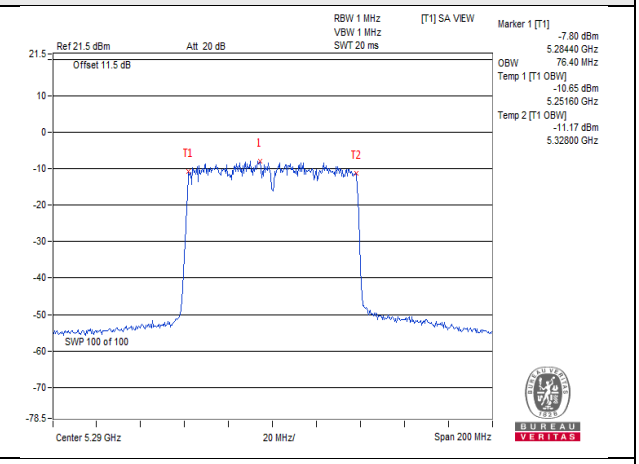
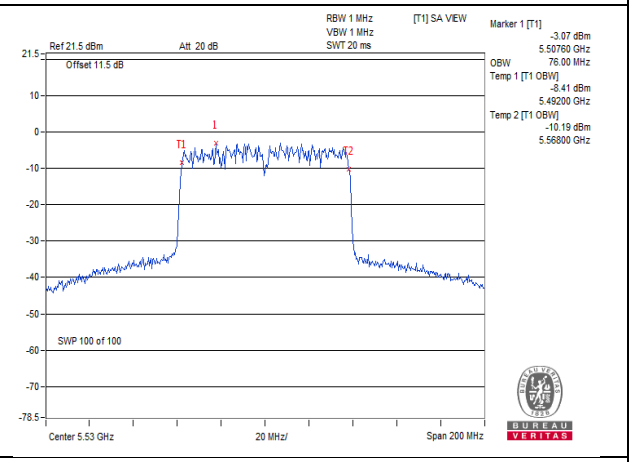
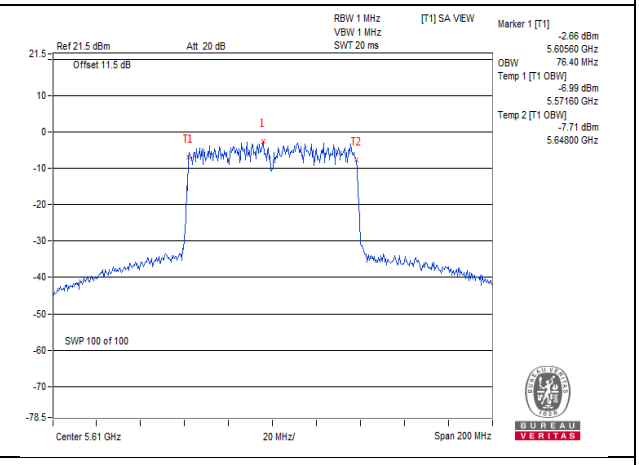
V_{normal}	
	
CH 134 (5670MHz)	

802.11ac (VHT80)

Chain 0

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
42	5210	76.00
58	5290	76.40
106	5530	76.00
122	5610	76.40

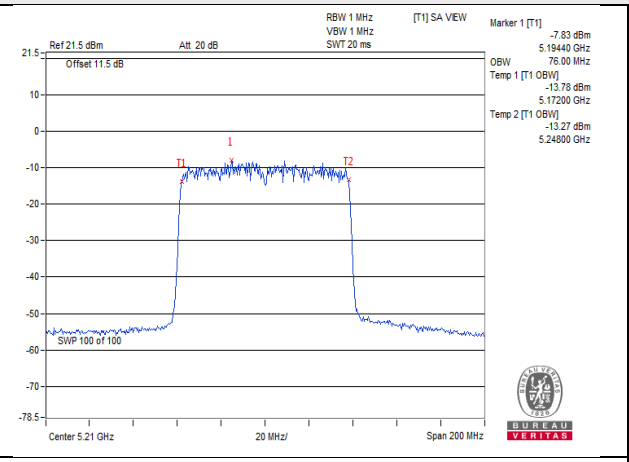
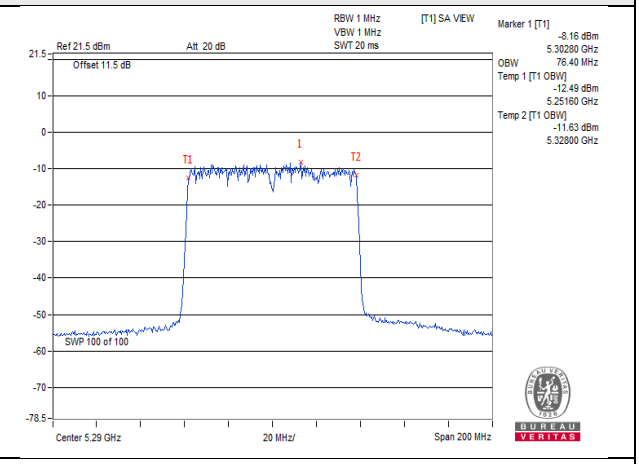
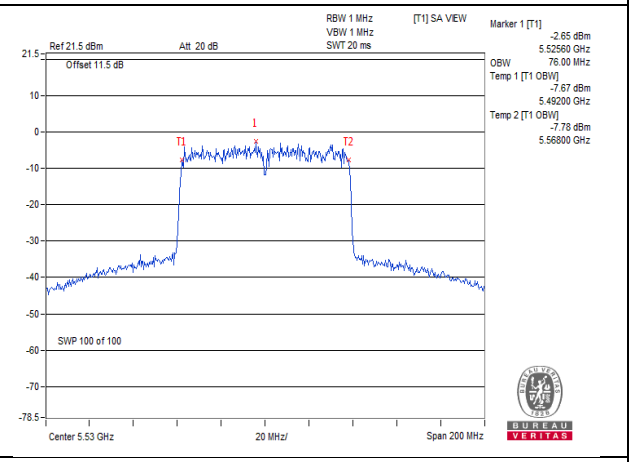
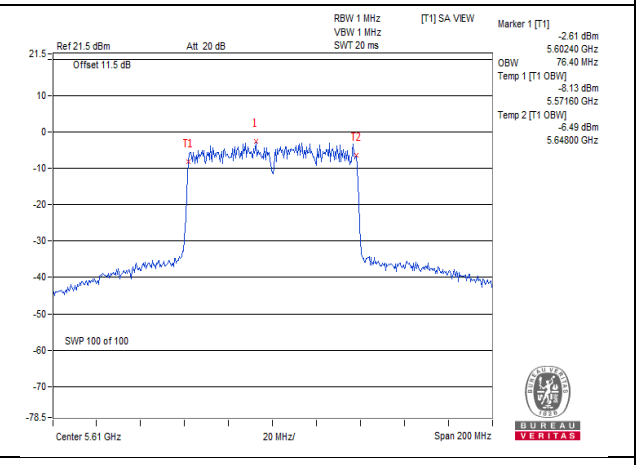
Note: For the test plots please refer to the below pages.

V_{normal}	
	
CH 42 (5210MHz)	CH 58 (5290MHz)
	
CH 106 (5530MHz)	CH 122 (5610MHz)

Chain 1

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
42	5210	76.00
58	5290	76.40
106	5530	76.00
122	5610	76.40

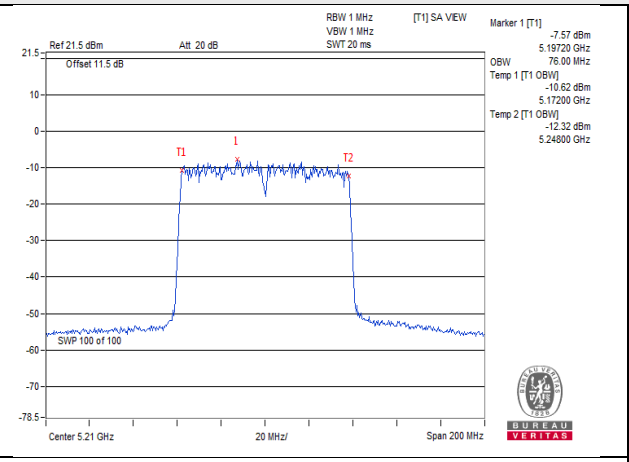
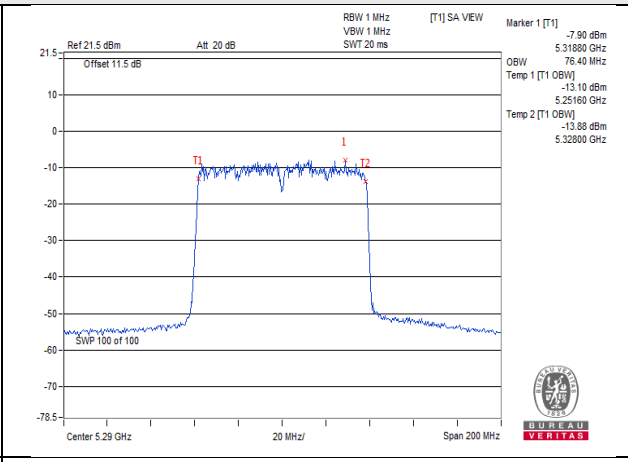
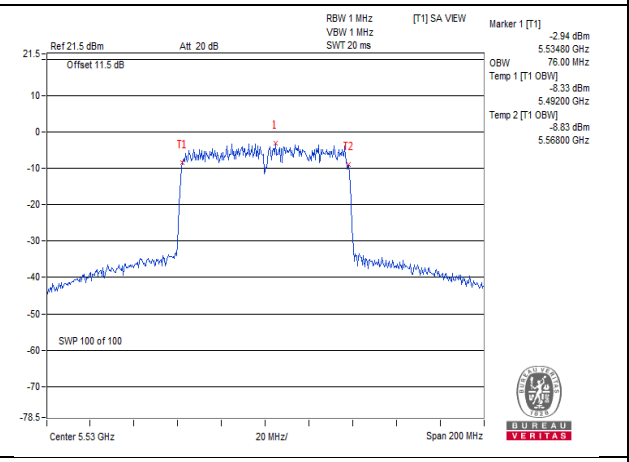
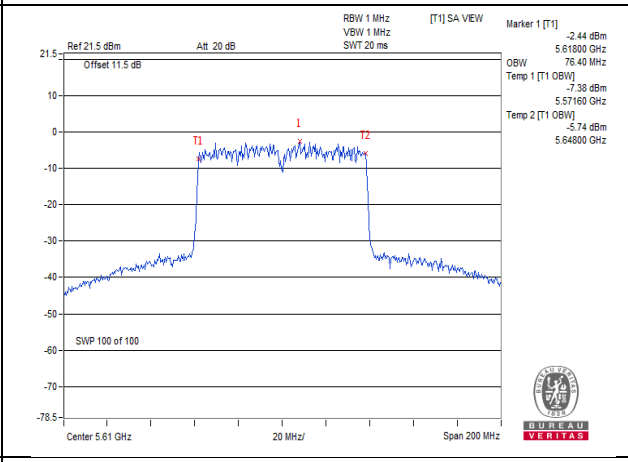
Note: For the test plots please refer to the below pages.

V_{normal}	
	
CH 42 (5210MHz)	CH 58 (5290MHz)
	
CH 106 (5530MHz)	CH 122 (5610MHz)

Chain 2

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
42	5210	76.00
58	5290	76.40
106	5530	76.00
122	5610	76.40

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

V_{normal}	
	
CH 42 (5210MHz)	CH 58 (5290MHz)
	
CH 106 (5530MHz)	CH 122 (5610MHz)

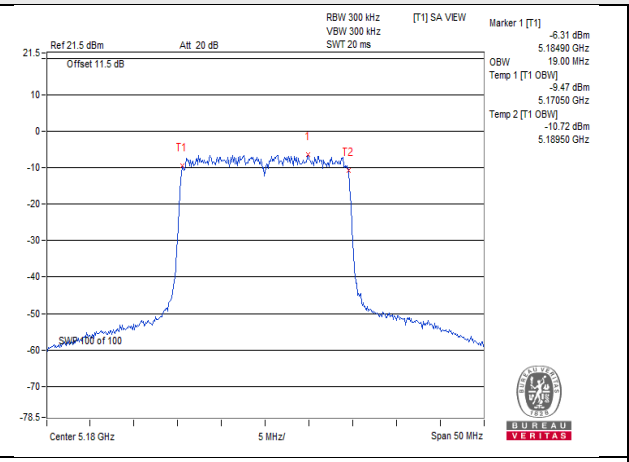
802.11ax (HE20)

Chain 0

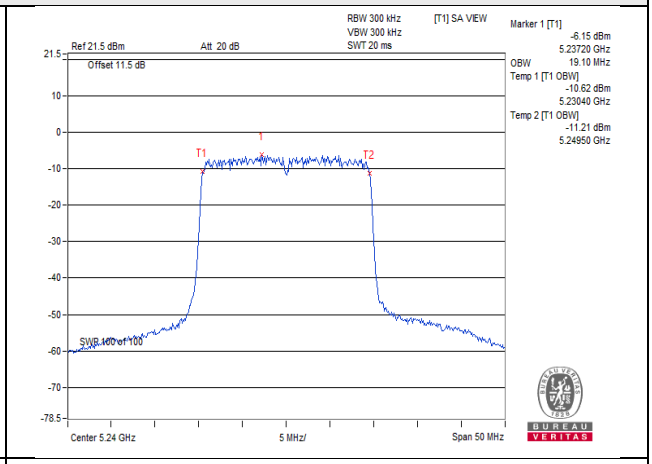
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	19.00
48	5240	19.10
52	5260	19.00
64	5320	19.00
100	5500	19.10
120	5600	19.10
140	5700	19.10

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

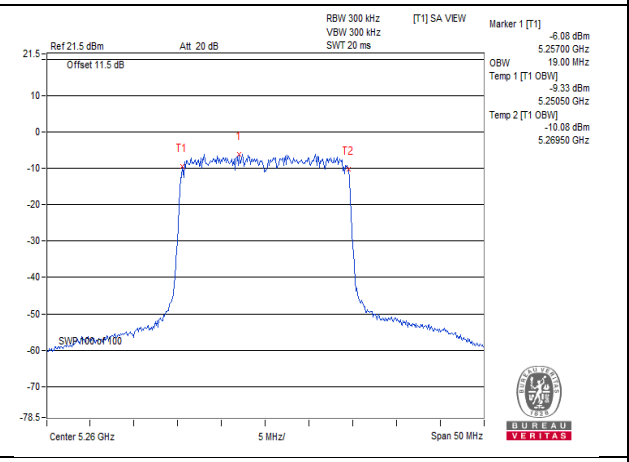
Vnormal



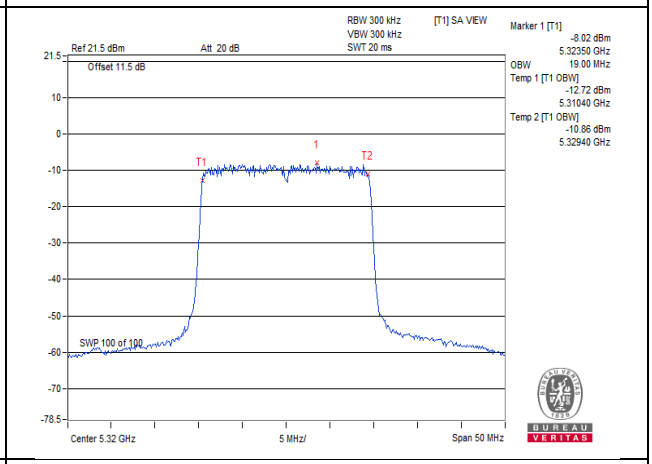
CH 36 (5180MHz)



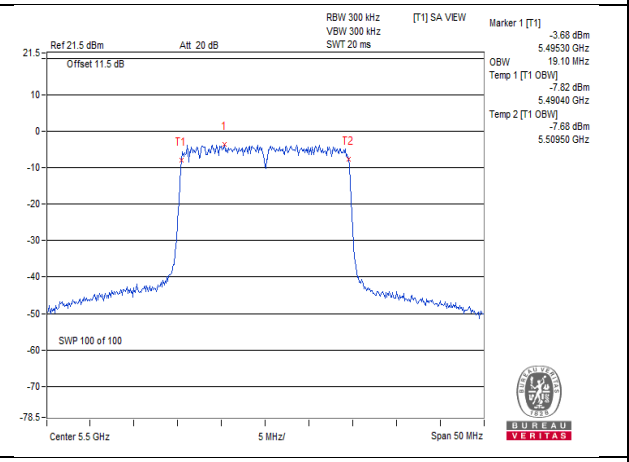
CH 48 (5240MHz)



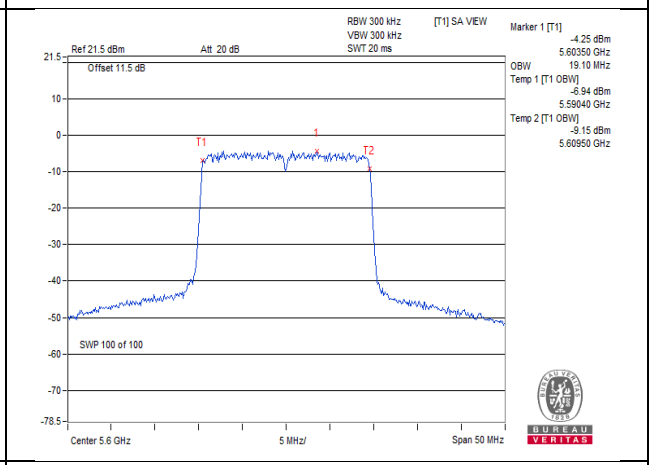
CH 52 (5260MHz)



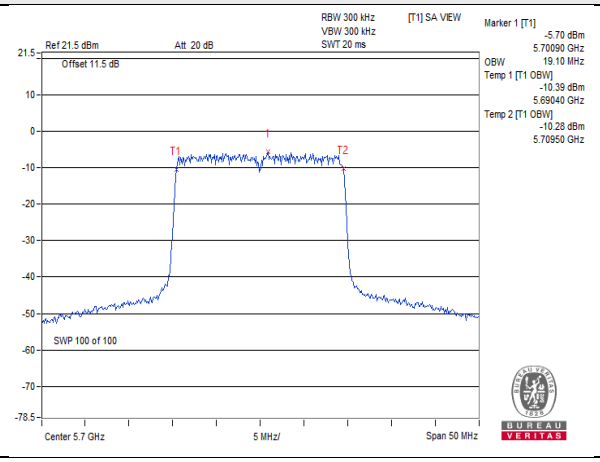
CH 64 (5320MHz)



CH 100 (5500MHz)



CH 120 (5600MHz)

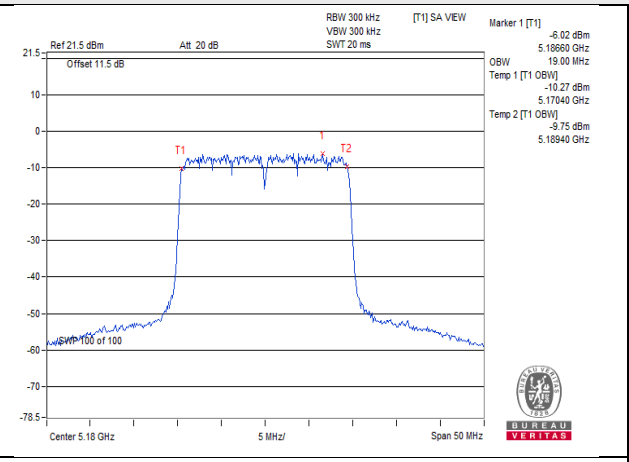
V_{normal}	
	
CH 140 (5700MHz)	

Chain 1

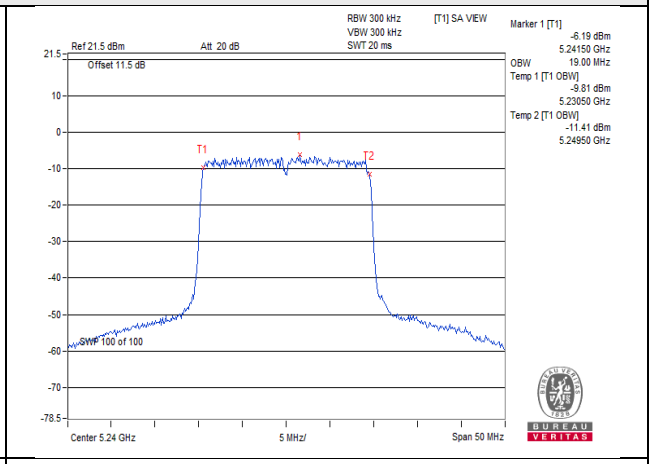
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	19.00
48	5240	19.00
52	5260	19.00
64	5320	19.10
100	5500	19.10
120	5600	19.00
140	5700	19.00

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

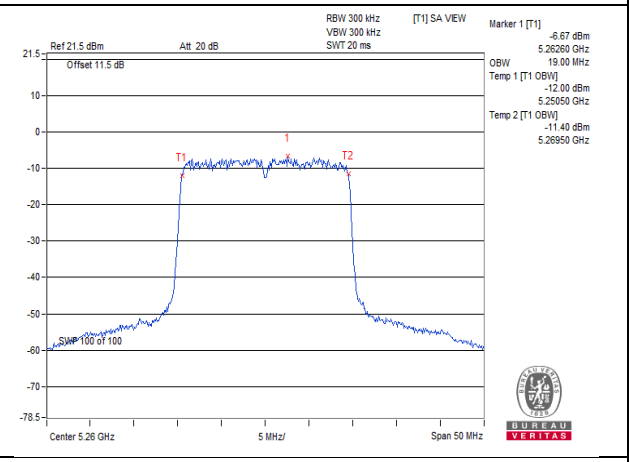
Vnormal



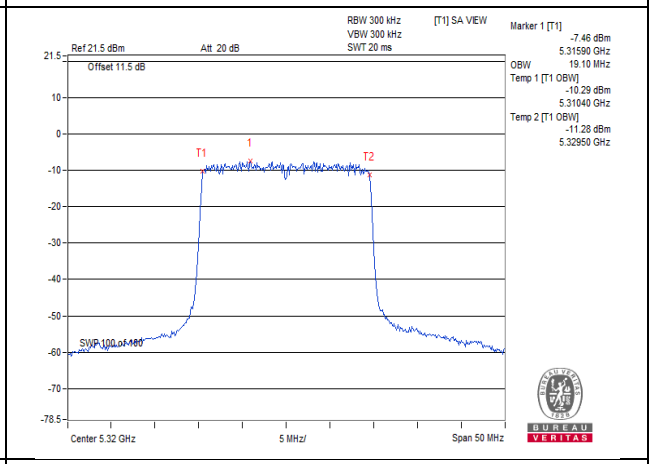
CH 36 (5180MHz)



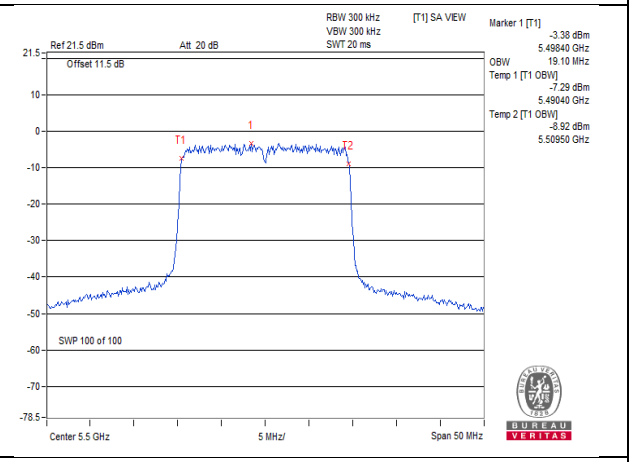
CH 48 (5240MHz)



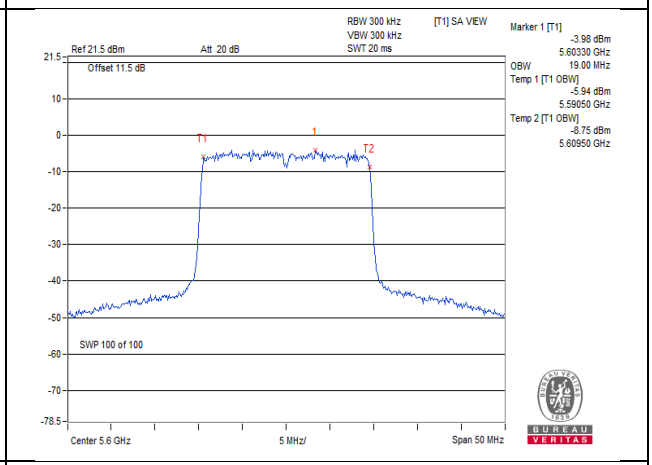
CH 52 (5260MHz)



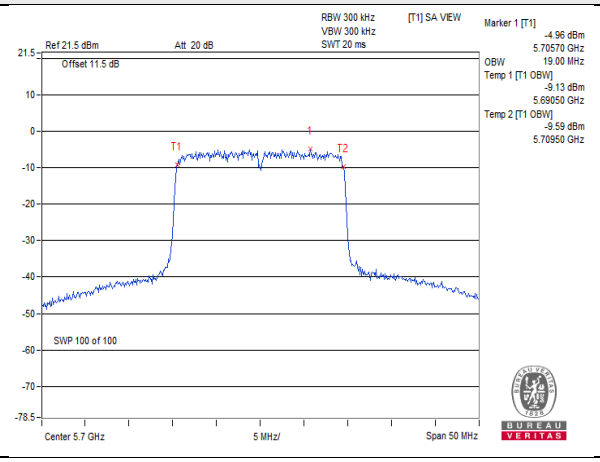
CH 64 (5320MHz)



CH 100 (5500MHz)



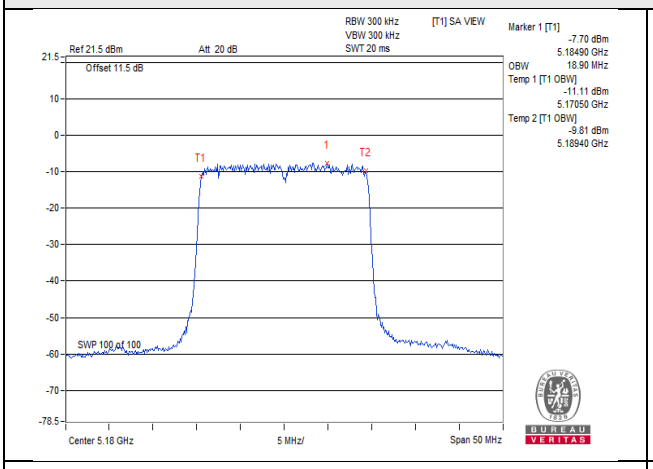
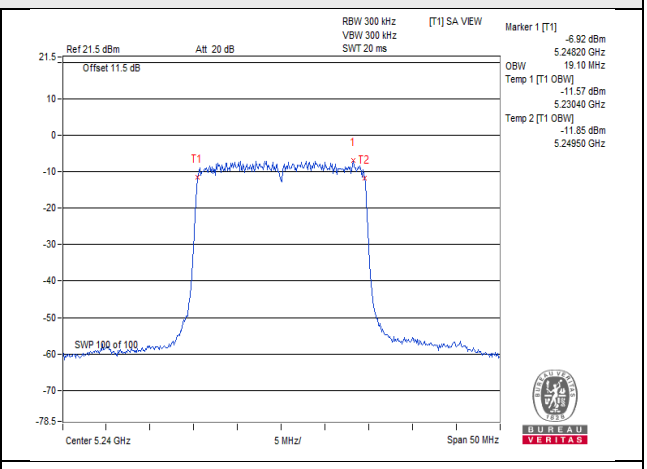
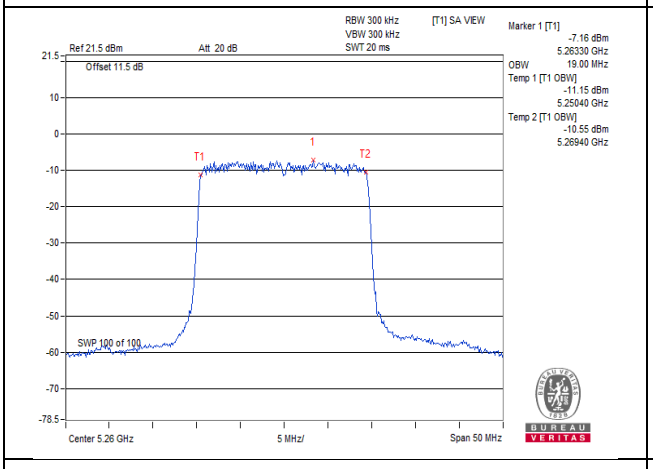
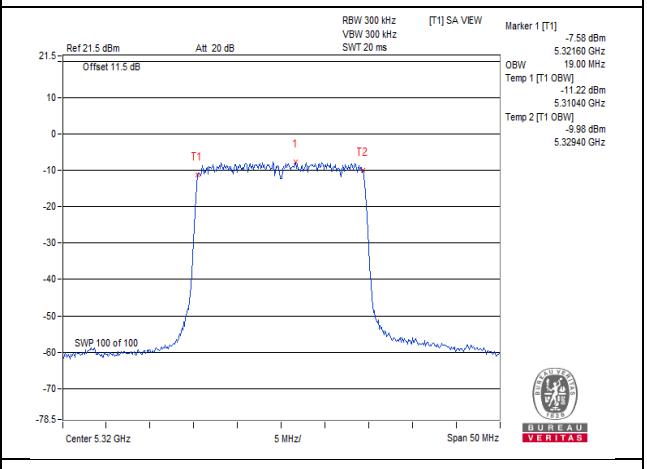
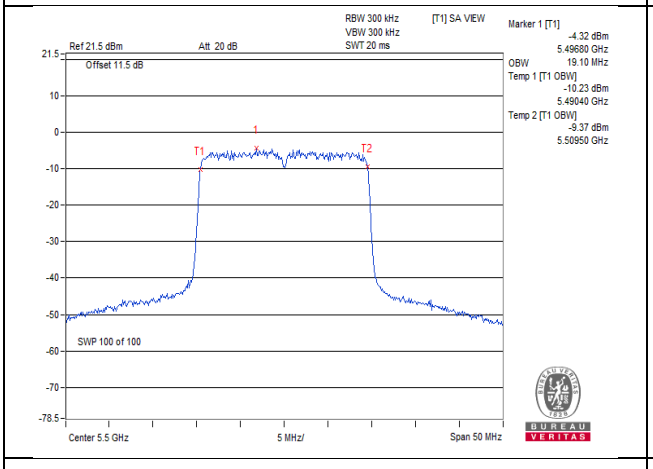
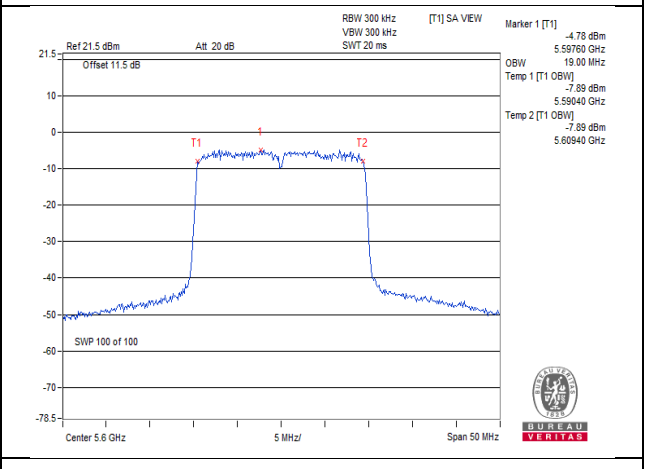
CH 120 (5600MHz)

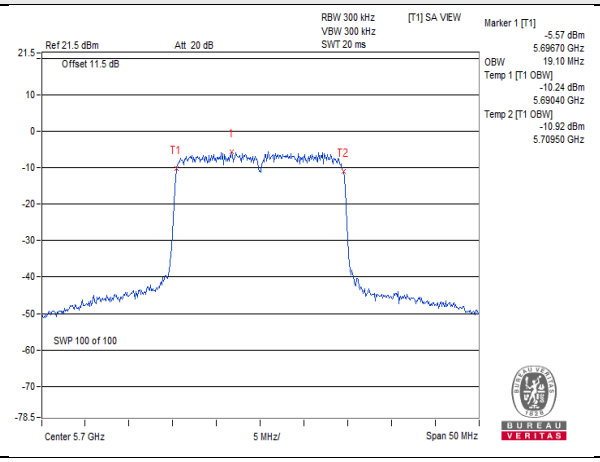
V_{normal}	
	
CH 140 (5700MHz)	

Chain 2

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	18.90
48	5240	19.10
52	5260	19.00
64	5320	19.00
100	5500	19.10
120	5600	19.00
140	5700	19.10

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

V_{normal}	
	
CH 36 (5180MHz)	CH 48 (5240MHz)
	
CH 52 (5260MHz)	CH 64 (5320MHz)
	
CH 100 (5500MHz)	CH 120 (5600MHz)

V_{normal}	
	
CH 140 (5700MHz)	

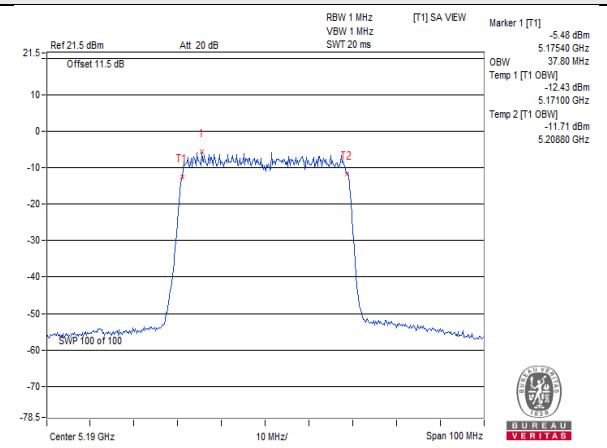
802.11ax (HE40)

Chain 0

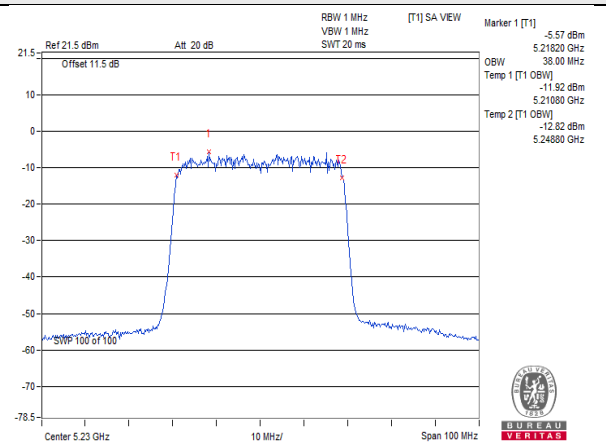
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
38	5190	37.80
46	5230	38.00
54	5270	37.80
62	5310	38.00
102	5510	38.00
118	5590	38.20
134	5670	38.00

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

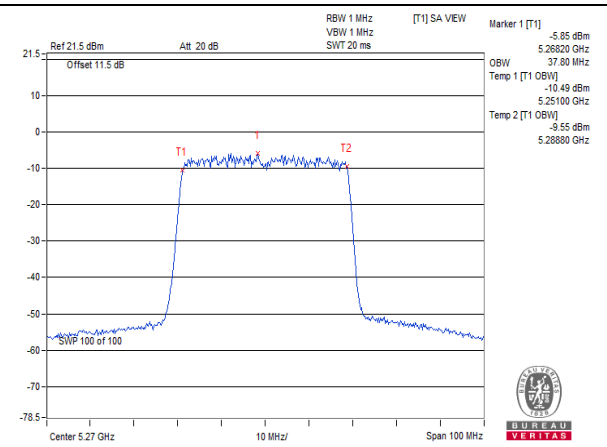
Vnormal



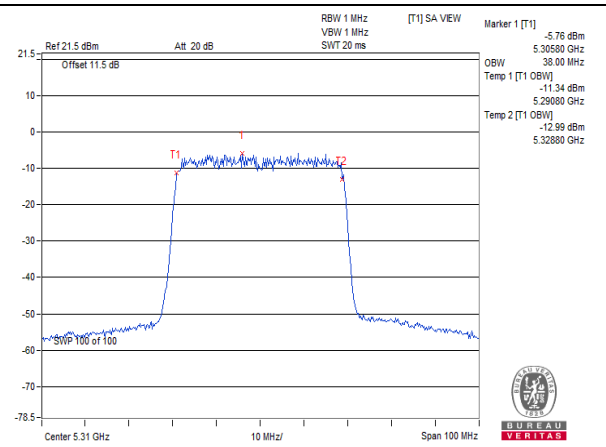
CH 38 (5190MHz)



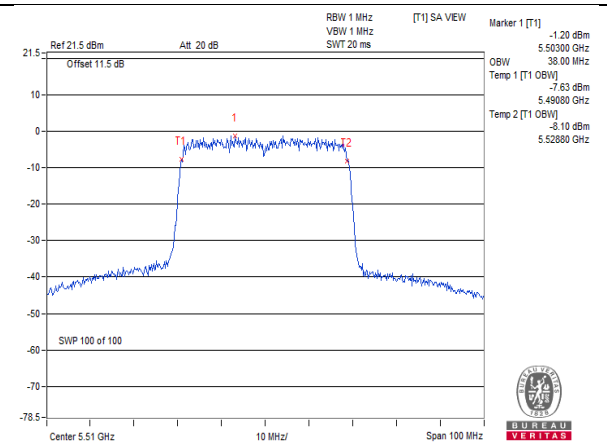
CH 46 (5230MHz)



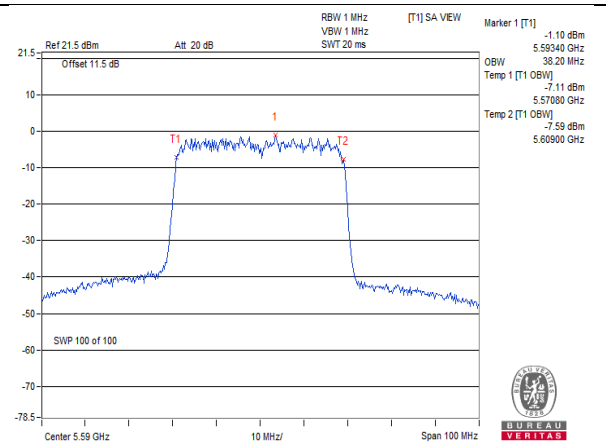
CH 54 (5270MHz)



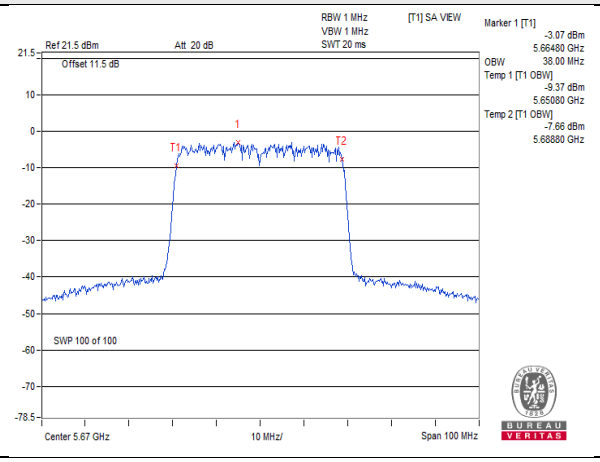
CH 62 (5310MHz)



CH 102 (5510MHz)



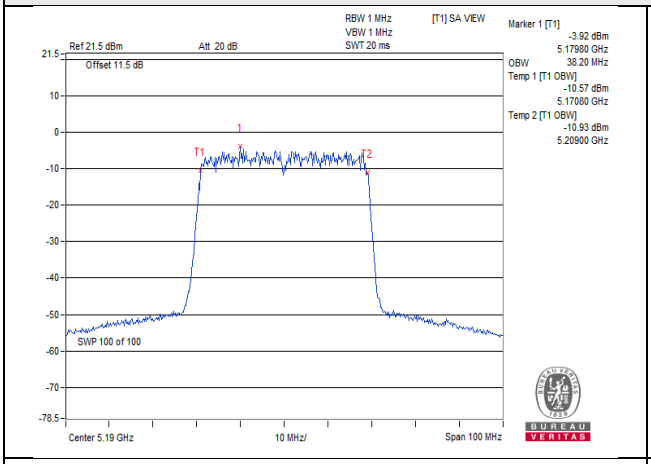
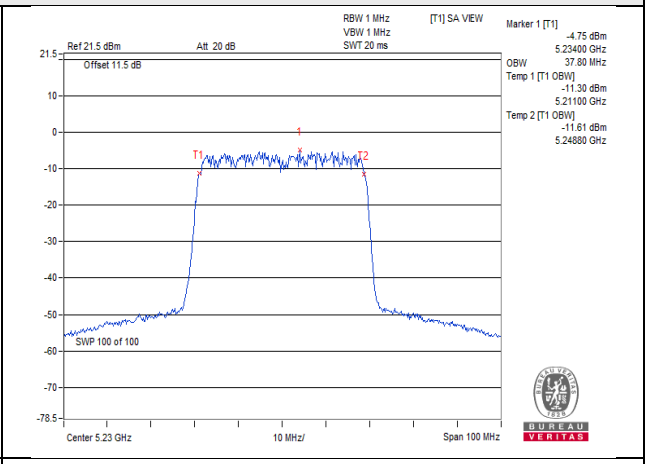
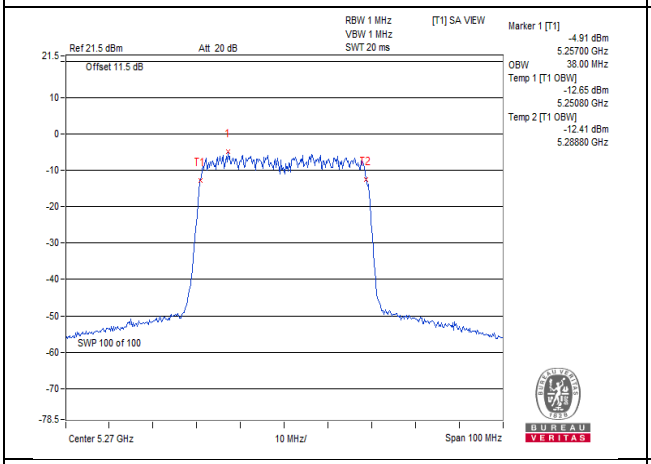
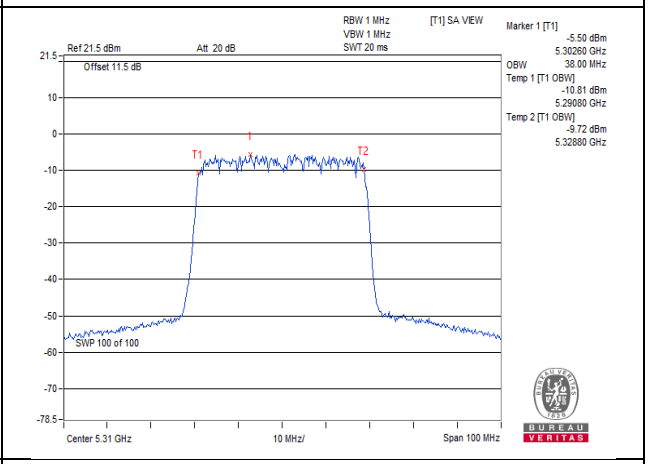
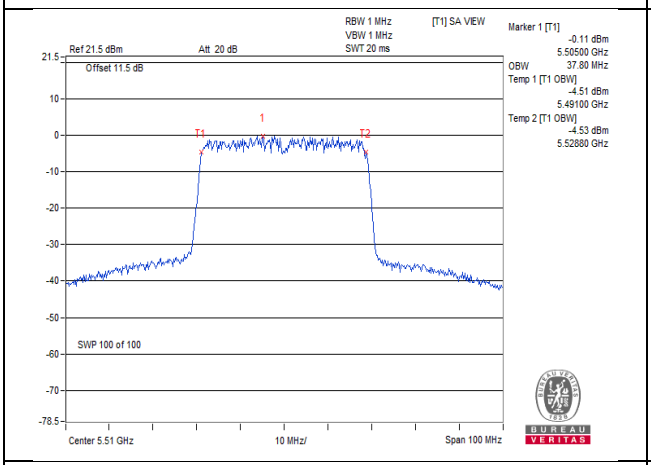
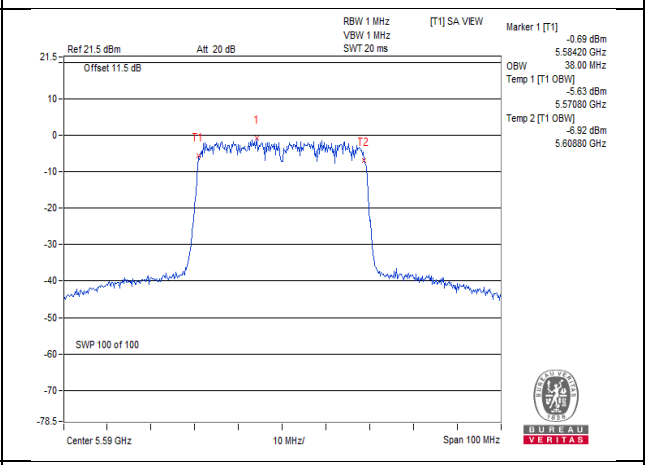
CH 118 (5590MHz)

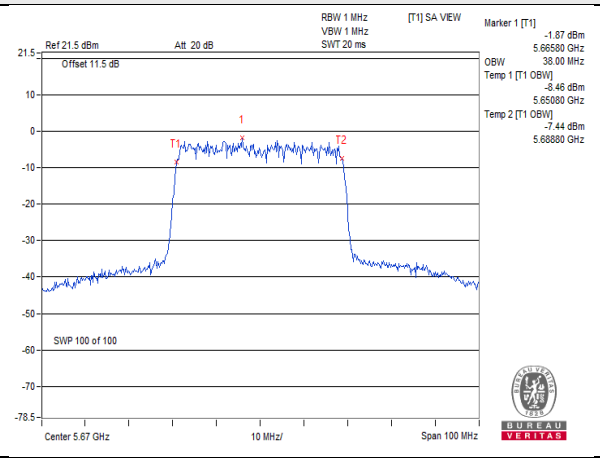
V_{normal}	
	
CH 134 (5670MHz)	

Chain 1

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
38	5190	38.20
46	5230	37.80
54	5270	38.00
62	5310	38.00
102	5510	37.80
118	5590	38.00
134	5670	38.00

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

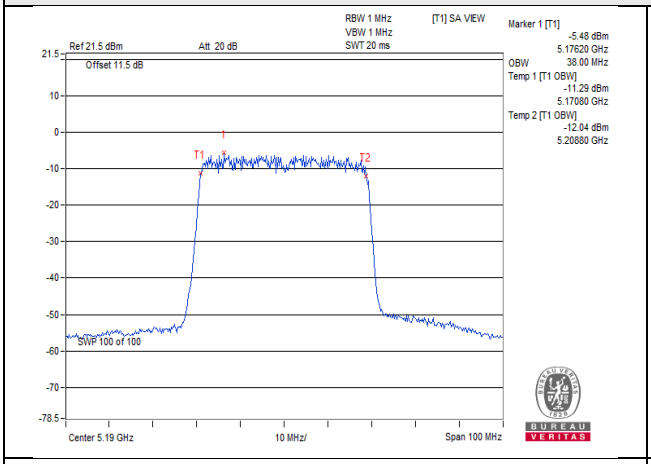
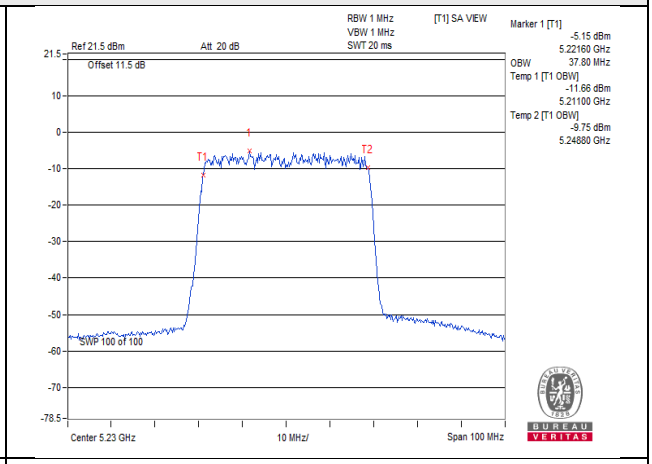
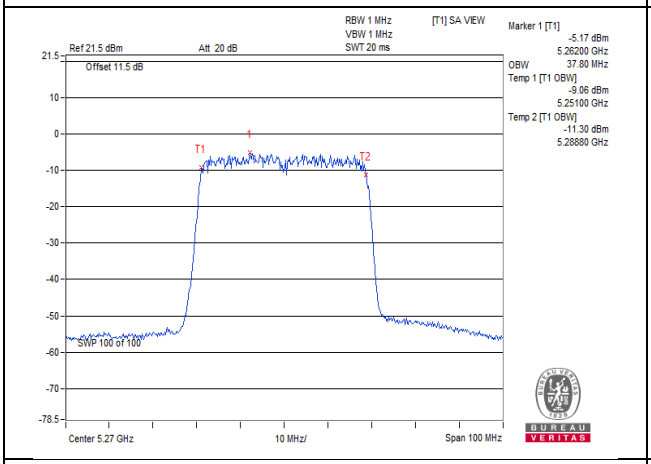
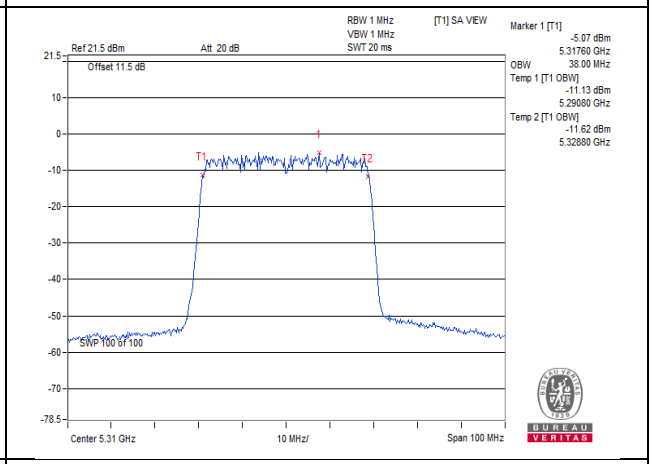
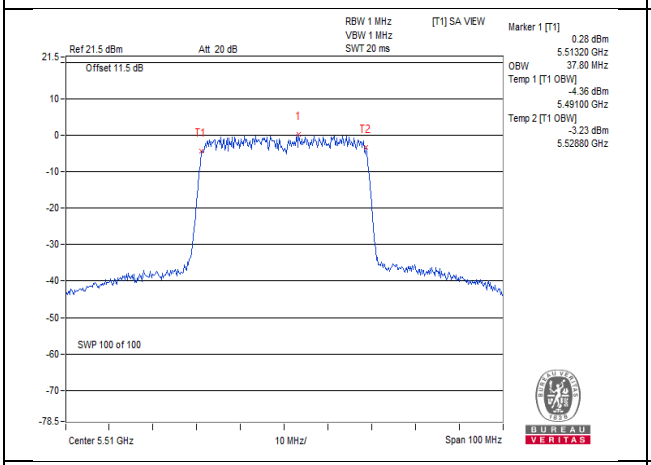
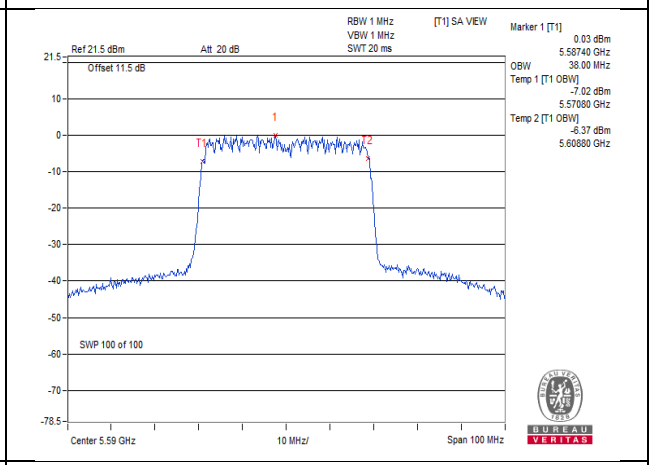
V_{normal}	
	
CH 38 (5190MHz)	CH 46 (5230MHz)
	
CH 54 (5270MHz)	CH 62 (5310MHz)
	
CH 102 (5510MHz)	CH 118 (5590MHz)

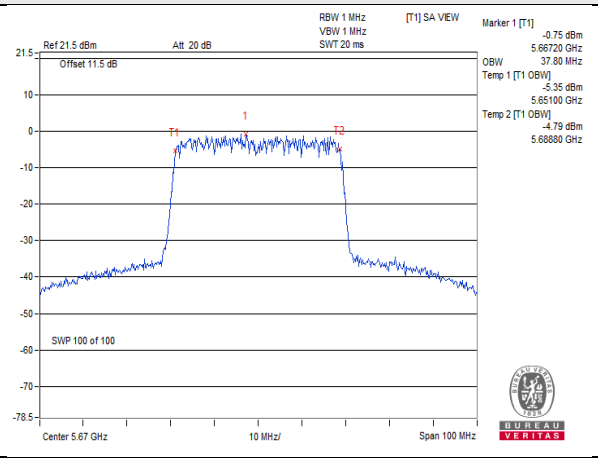
V_{normal}	
	
CH 134 (5670MHz)	

Chain 2

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
38	5190	38.00
46	5230	37.80
54	5270	37.80
62	5310	38.00
102	5510	37.80
118	5590	38.00
134	5670	37.80

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

V_{normal}	
	
CH 38 (5190MHz)	CH 46 (5230MHz)
	
CH 54 (5270MHz)	CH 62 (5310MHz)
	
CH 102 (5510MHz)	CH 118 (5590MHz)

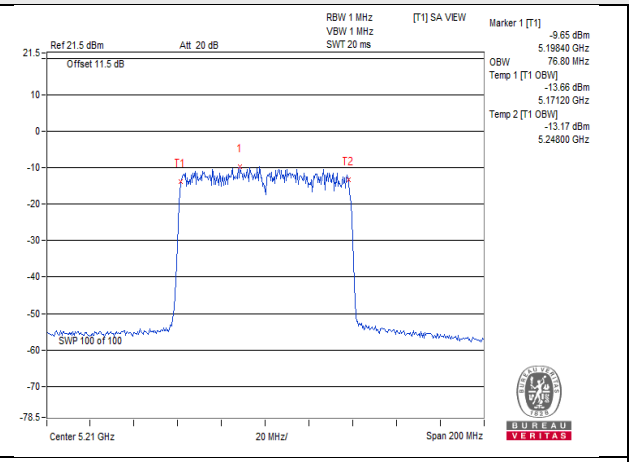
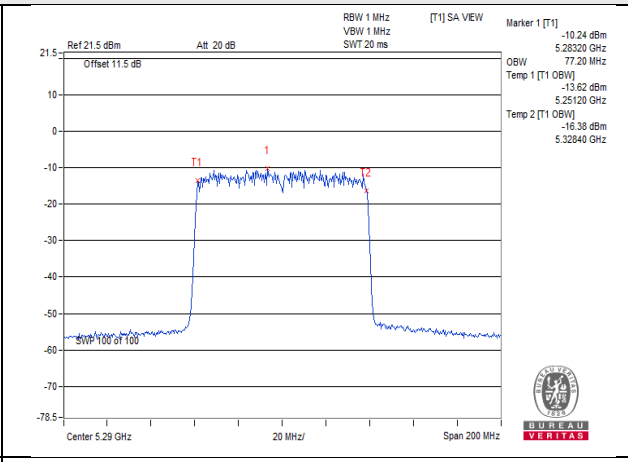
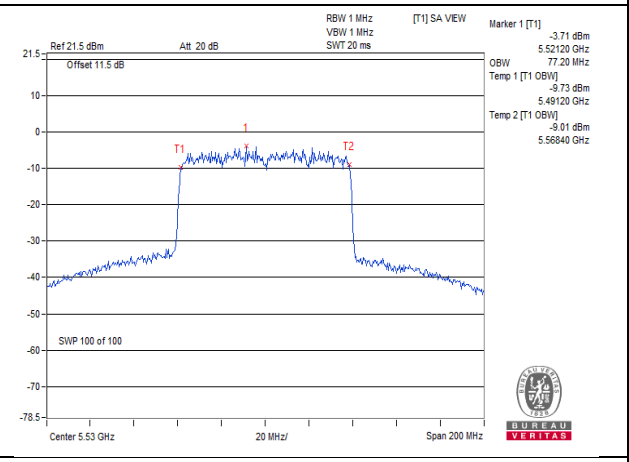
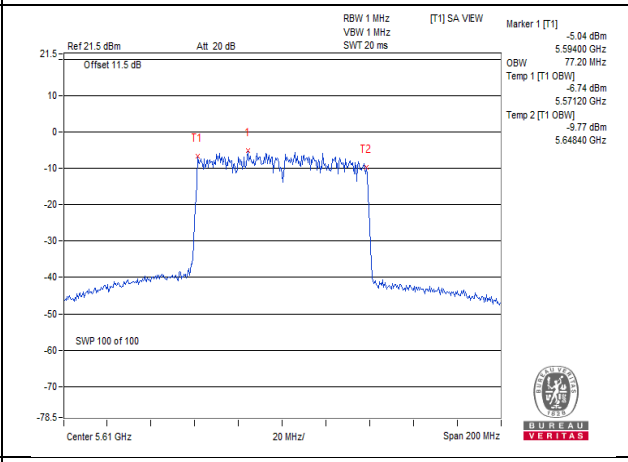
V_{normal}	
	
CH 134 (5670MHz)	

802.11ax (HE80)

Chain 0

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
42	5210	76.80
58	5290	77.20
106	5530	77.20
122	5610	77.20

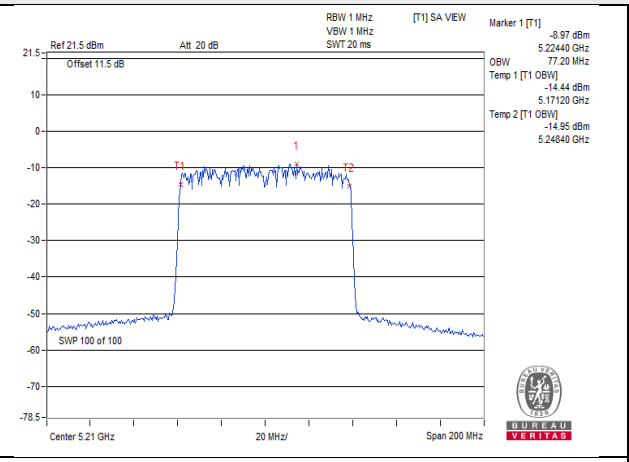
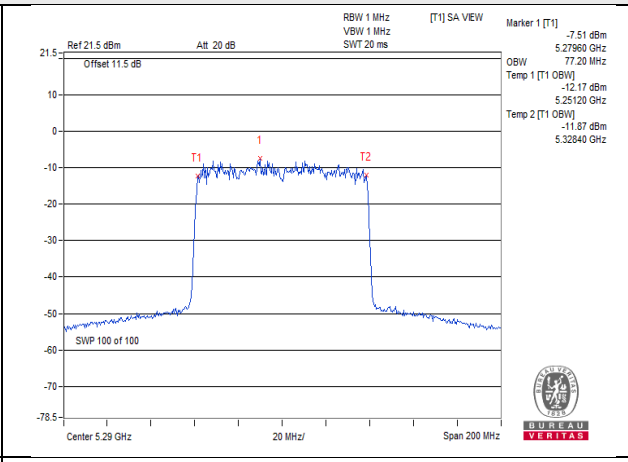
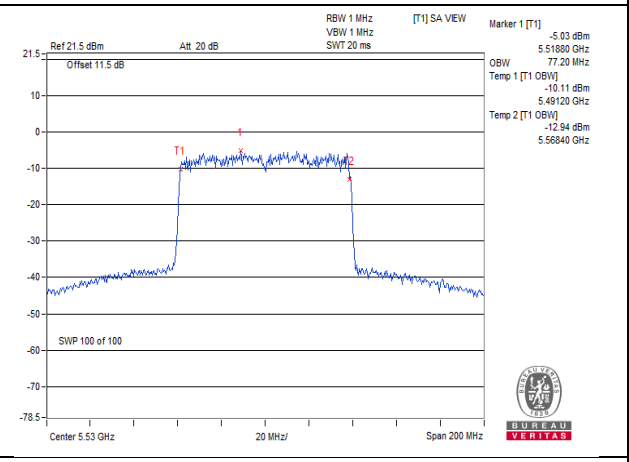
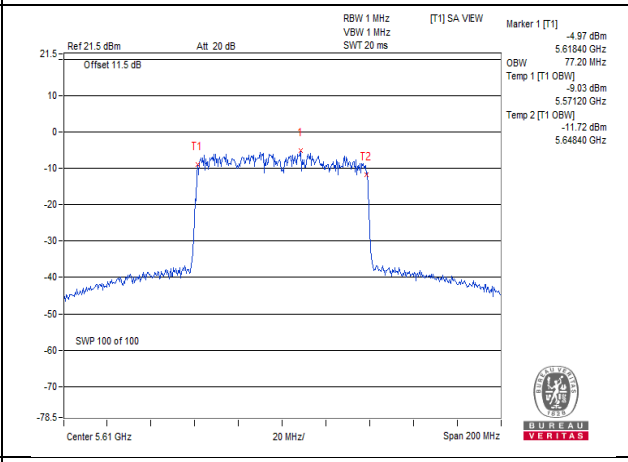
Note: For the test plots please refer to the below pages.

V_{normal}	
	
CH 42 (5210MHz)	CH 58 (5290MHz)
	
CH 106 (5530MHz)	CH 122 (5610MHz)

Chain 1

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
42	5210	77.20
58	5290	77.20
106	5530	77.20
122	5610	77.20

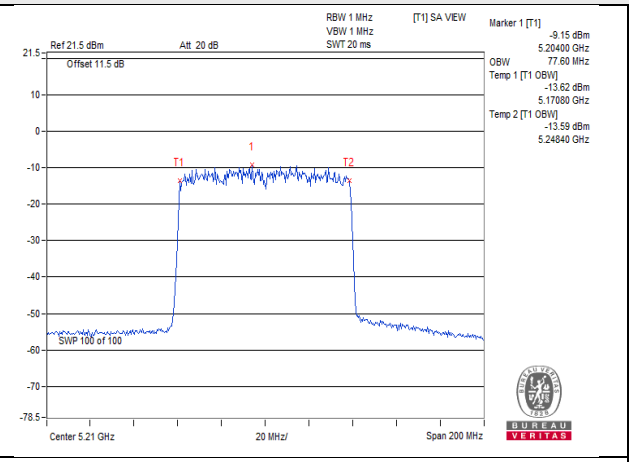
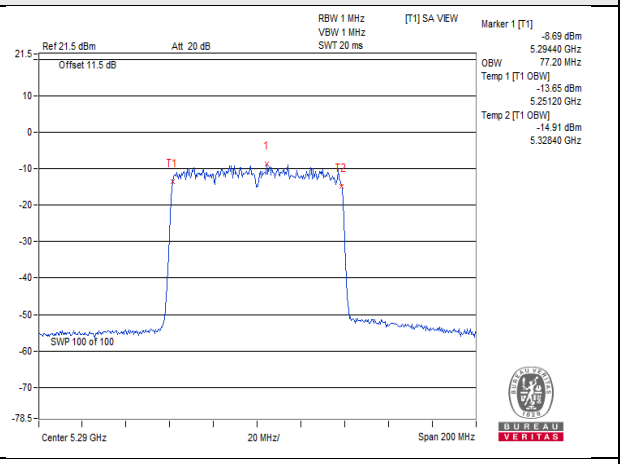
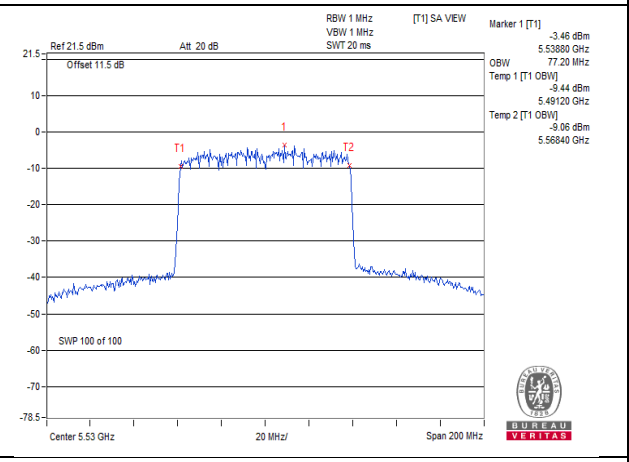
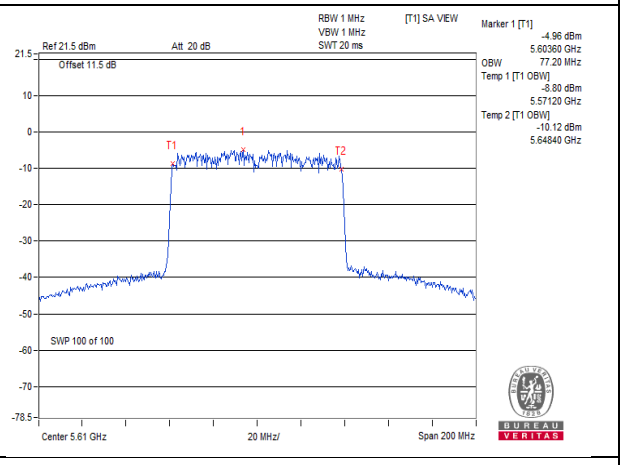
Note: For the test plots please refer to the below pages.

V_{normal}	
	
CH 42 (5210MHz)	CH 58 (5290MHz)
	
CH 106 (5530MHz)	CH 122 (5610MHz)

Chain 2

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
42	5210	77.60
58	5290	77.20
106	5530	77.20
122	5610	77.20

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

V_{normal}	
	
CH 42 (5210MHz)	CH 58 (5290MHz)
	
CH 106 (5530MHz)	CH 122 (5610MHz)

4TX

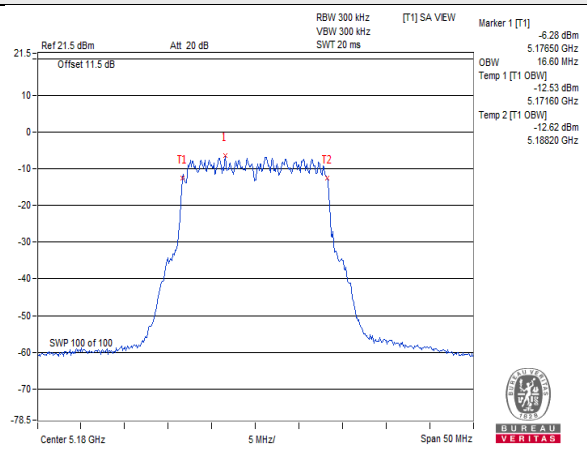
802.11a

Chain 0

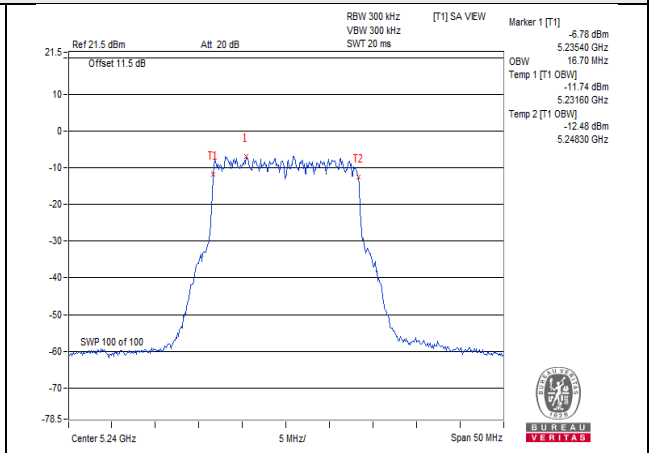
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	16.60
48	5240	16.70
52	5260	16.60
64	5320	16.50
100	5500	16.60
120	5600	16.60
140	5700	16.70

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

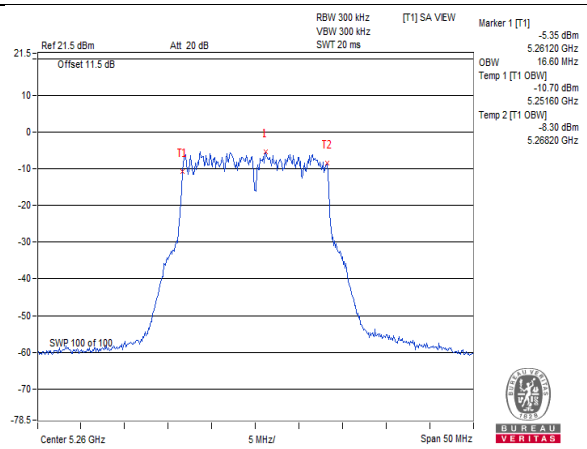
Vnormal



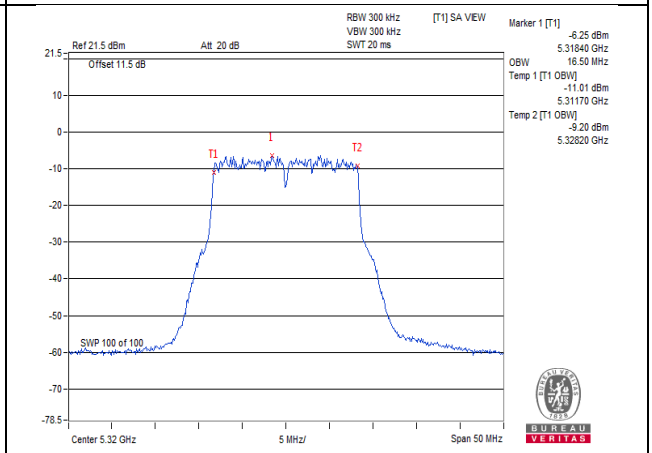
CH 36 (5180MHz)



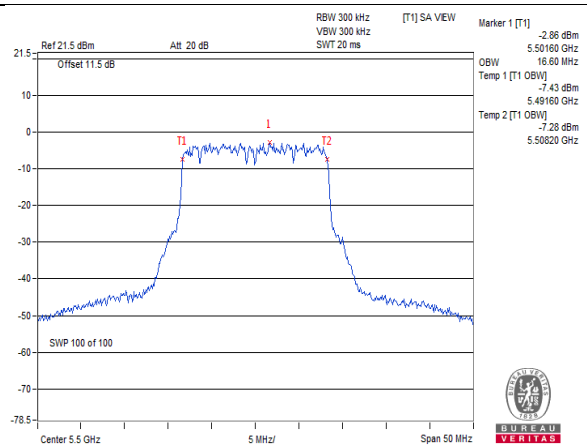
CH 48 (5240MHz)



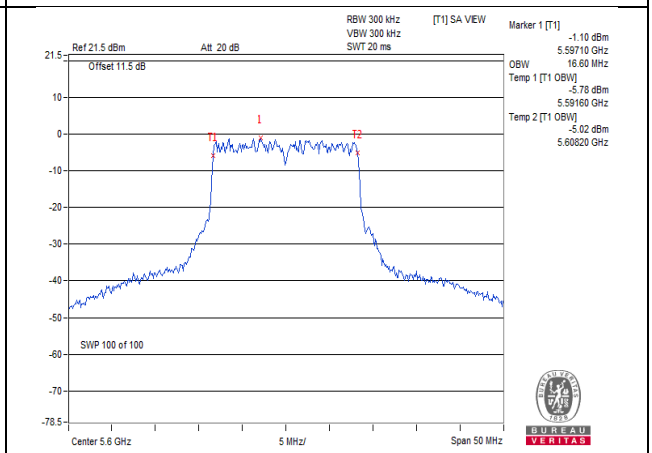
CH 52 (5260MHz)



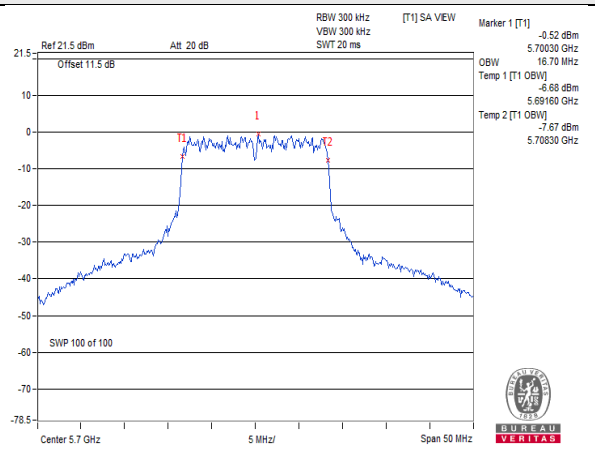
CH 64 (5320MHz)



CH 100 (5500MHz)



CH 120 (5600MHz)

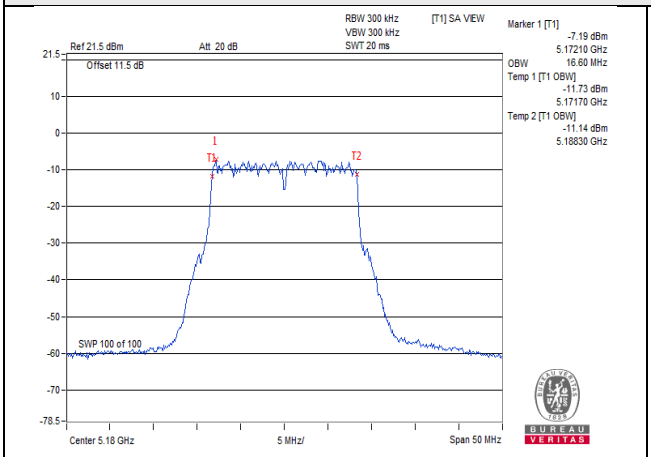
V_{normal}	
	
CH 140 (5700MHz)	

Chain 1

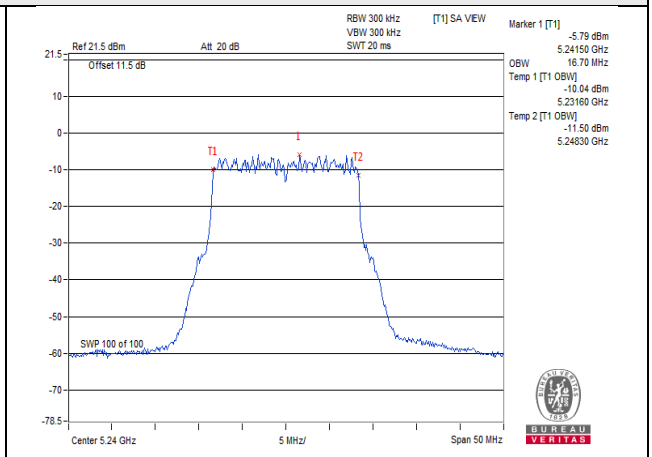
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	16.60
48	5240	16.70
52	5260	16.50
64	5320	16.60
100	5500	16.50
120	5600	16.70
140	5700	16.60

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

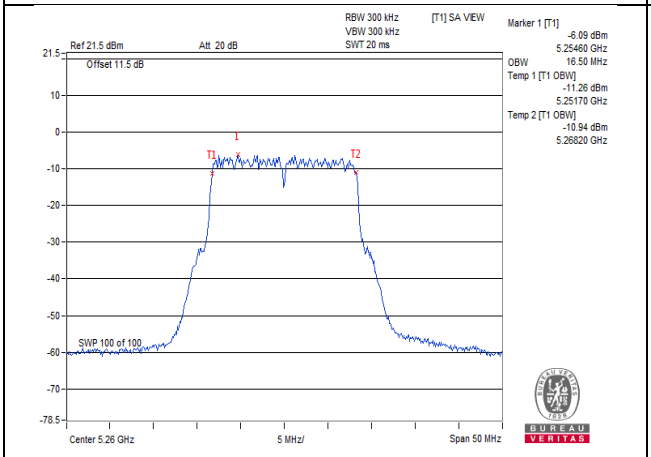
Vnormal



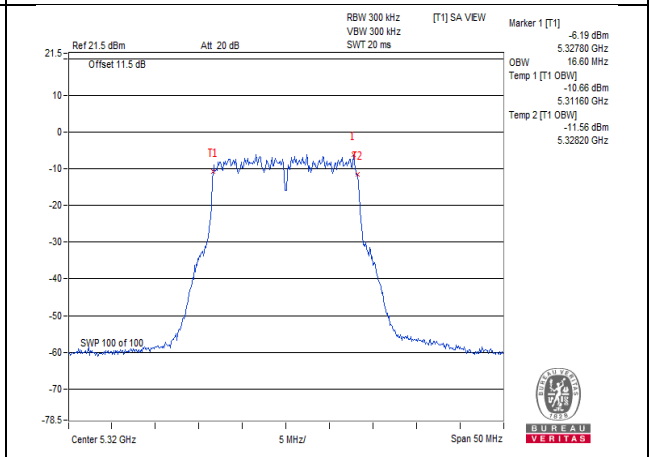
CH 36 (5180MHz)



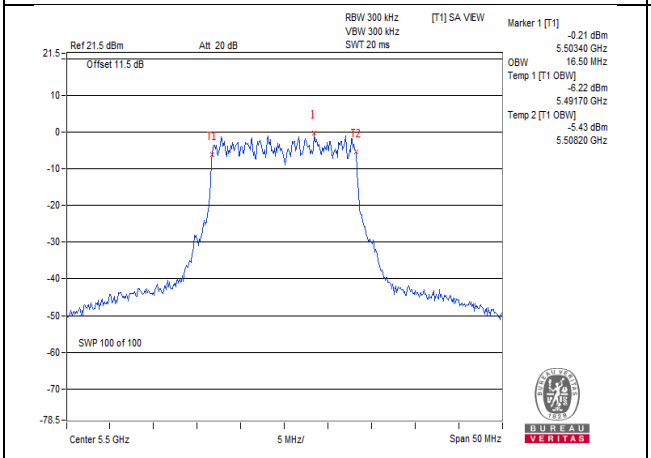
CH 48 (5240MHz)



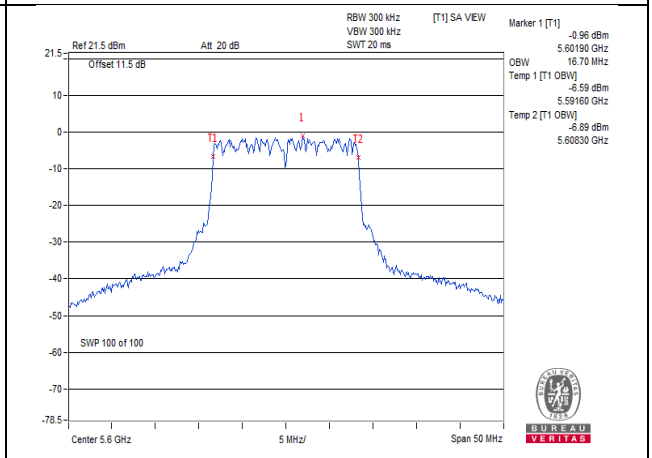
CH 52 (5260MHz)



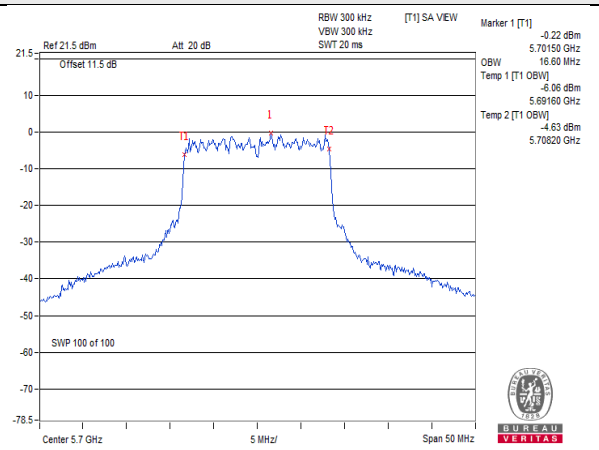
CH 64 (5320MHz)



CH 100 (5500MHz)



CH 120 (5600MHz)

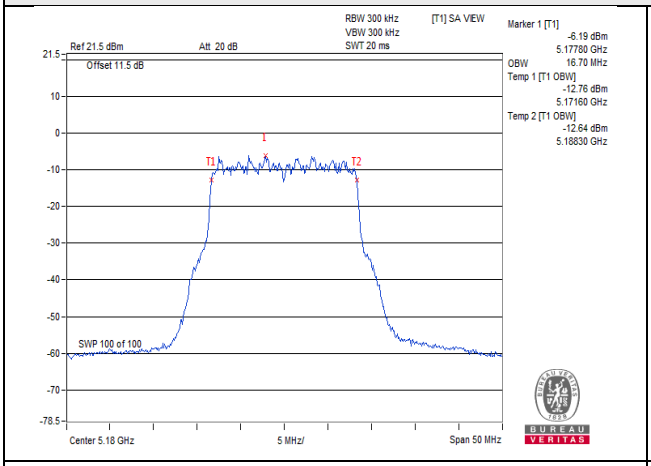
V_{normal}	
	
CH 140 (5700MHz)	

Chain 2

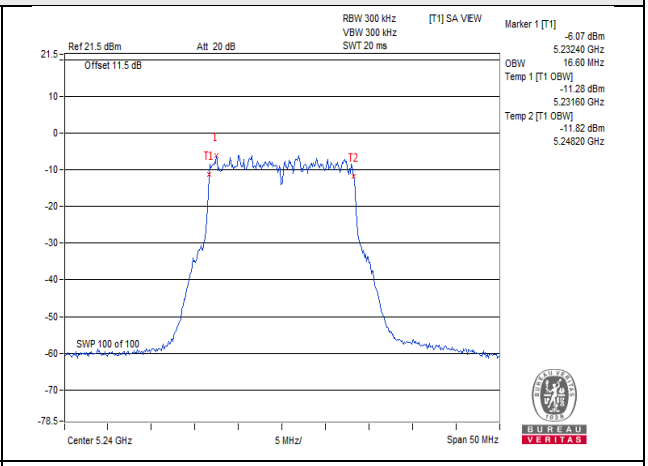
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	16.70
48	5240	16.60
52	5260	16.50
64	5320	16.60
100	5500	16.60
120	5600	16.70
140	5700	16.70

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

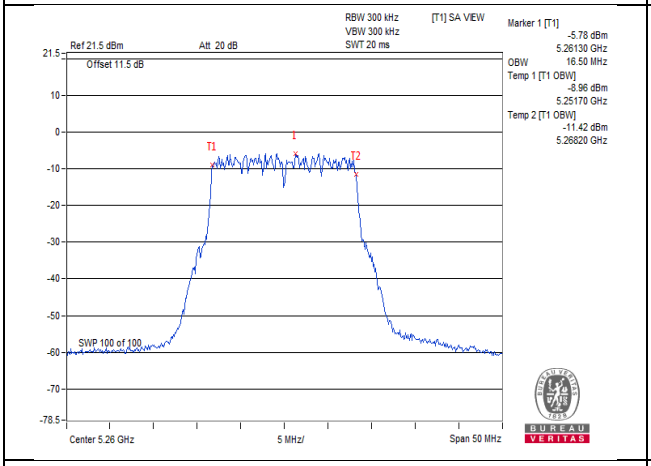
Vnormal



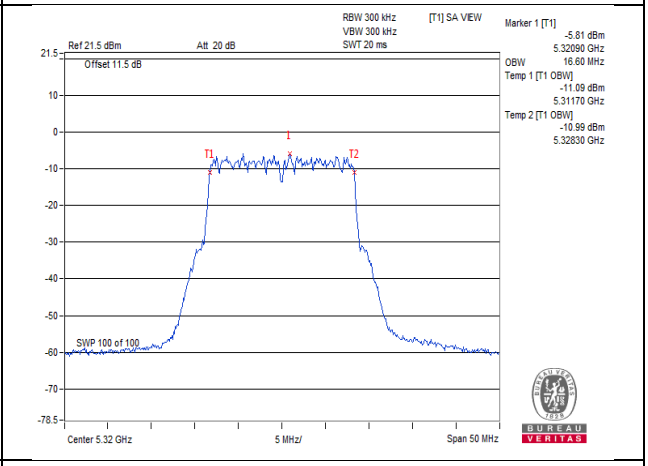
CH 36 (5180MHz)



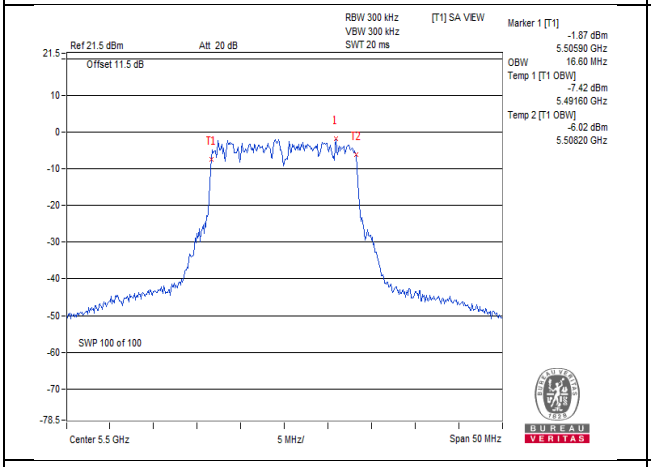
CH 48 (5240MHz)



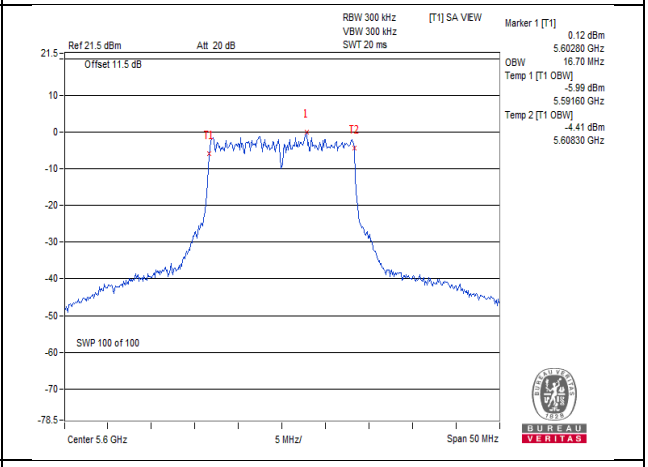
CH 52 (5260MHz)



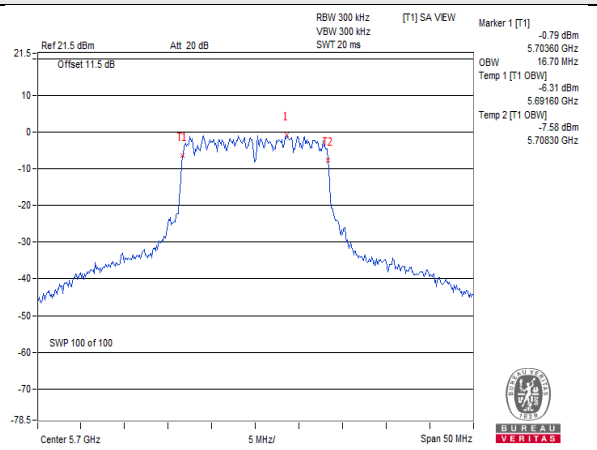
CH 64 (5320MHz)



CH 100 (5500MHz)



CH 120 (5600MHz)

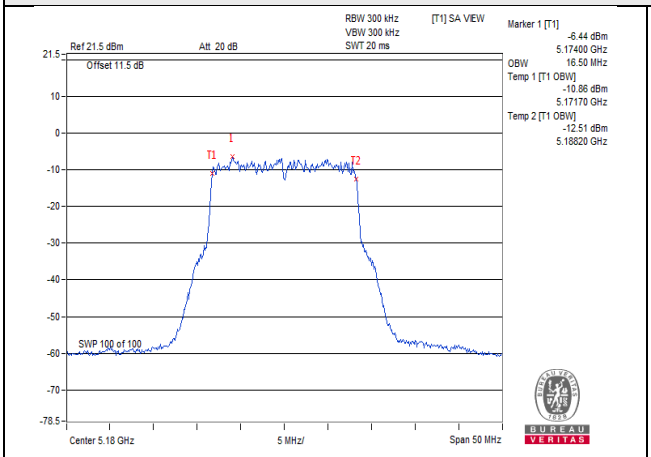
V_{normal}	
	
CH 140 (5700MHz)	

Chain 3

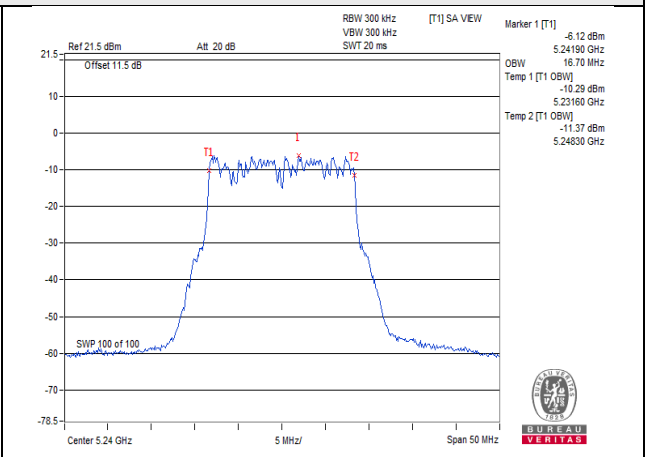
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	16.50
48	5240	16.70
52	5260	16.60
64	5320	16.60
100	5500	16.60
120	5600	16.70
140	5700	16.60

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

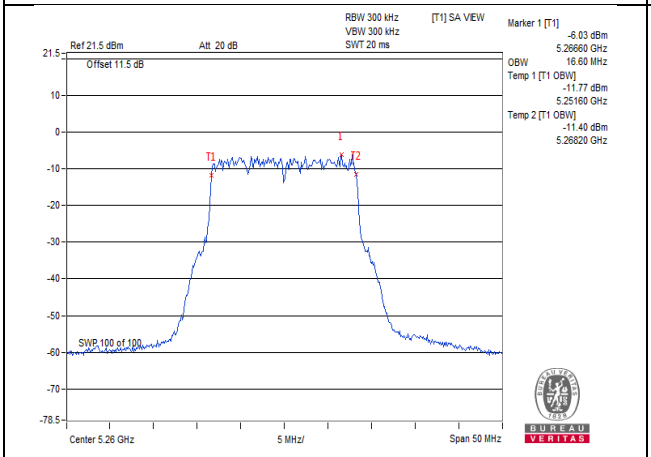
Vnormal



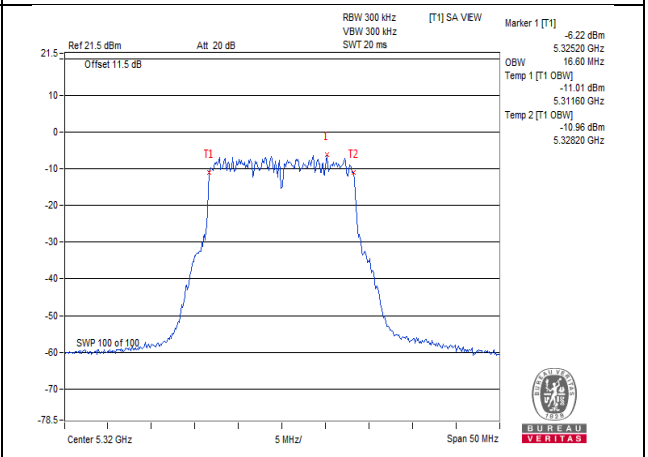
CH 36 (5180MHz)



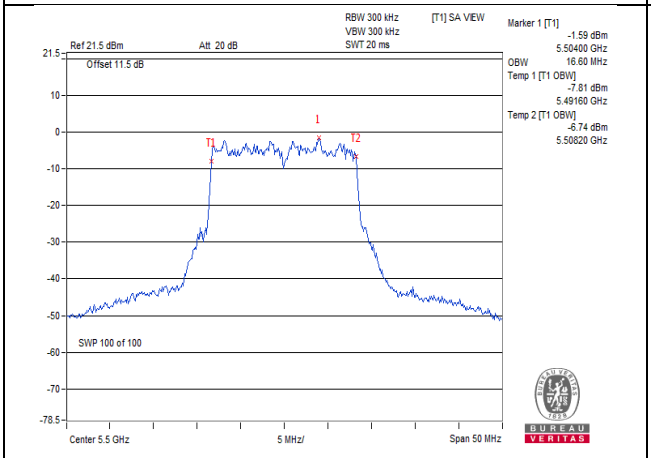
CH 48 (5240MHz)



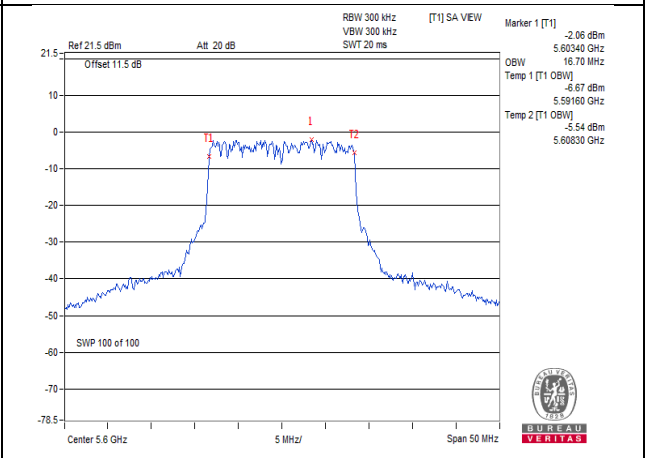
CH 52 (5260MHz)



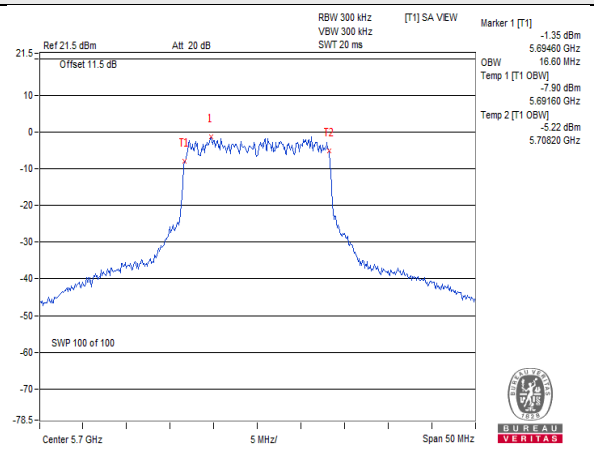
CH 64 (5320MHz)



CH 100 (5500MHz)



CH 120 (5600MHz)

V_{normal}	
	
CH 140 (5700MHz)	

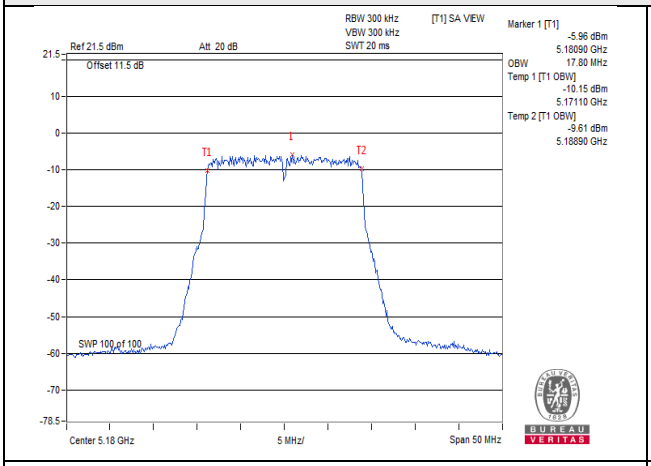
802.11ac (VHT20)

Chain 0

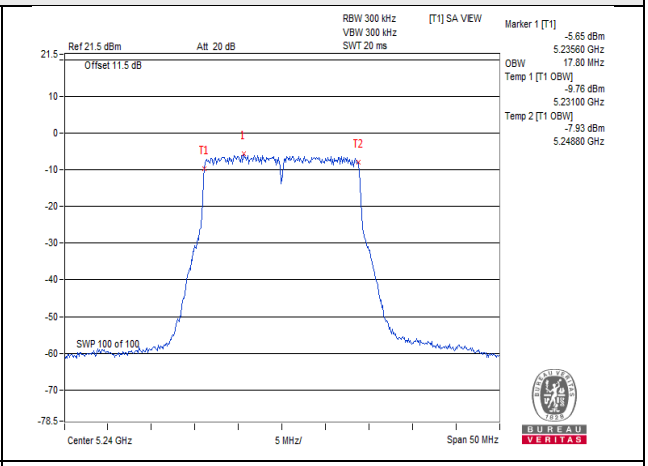
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	17.80
48	5240	17.80
52	5260	17.80
64	5320	17.70
100	5500	17.90
120	5600	17.80
140	5700	17.80

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

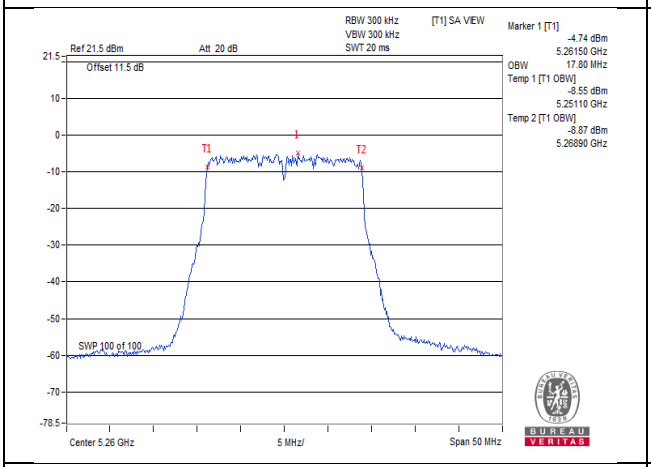
Vnormal



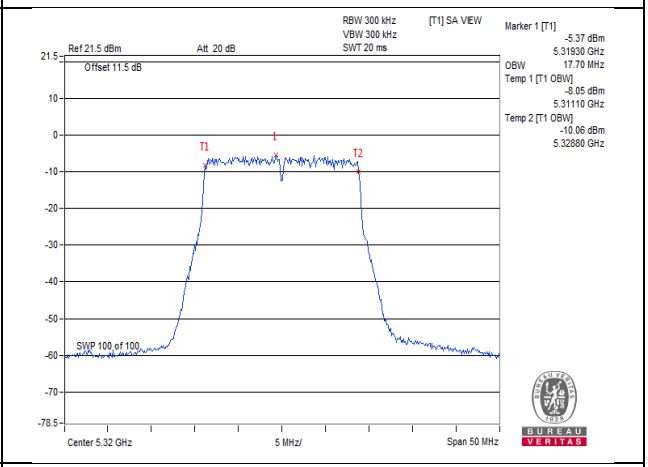
CH 36 (5180MHz)



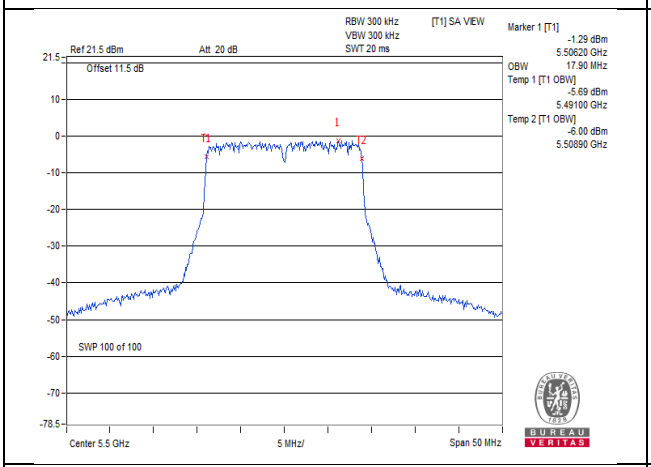
CH 48 (5240MHz)



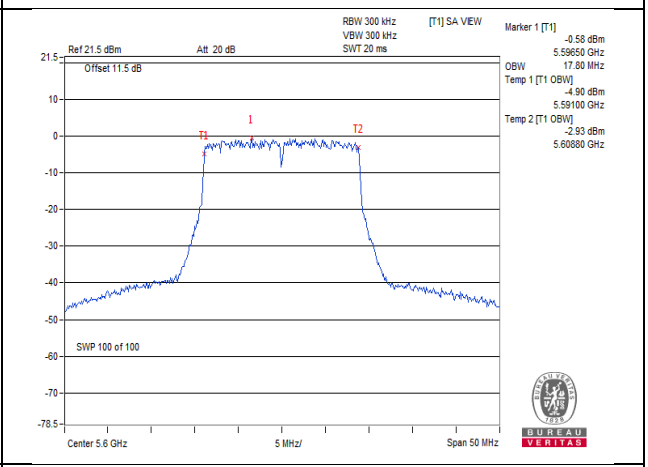
CH 52 (5260MHz)



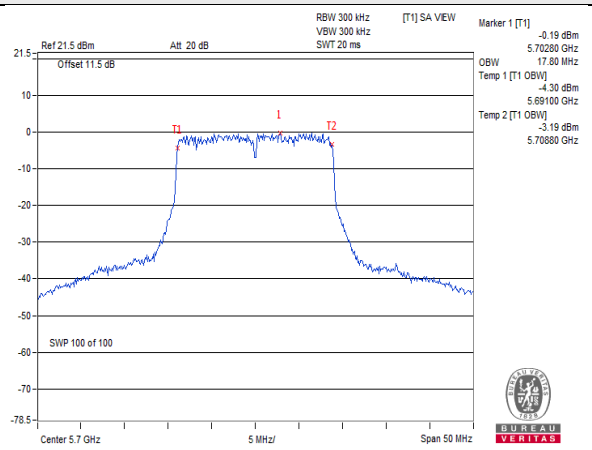
CH 64 (5320MHz)



CH 100 (5500MHz)



CH 120 (5600MHz)

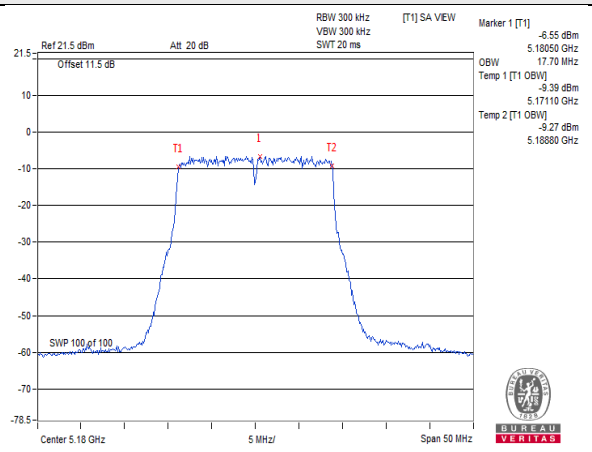
V_{normal}	
	
CH 140 (5700MHz)	

Chain 1

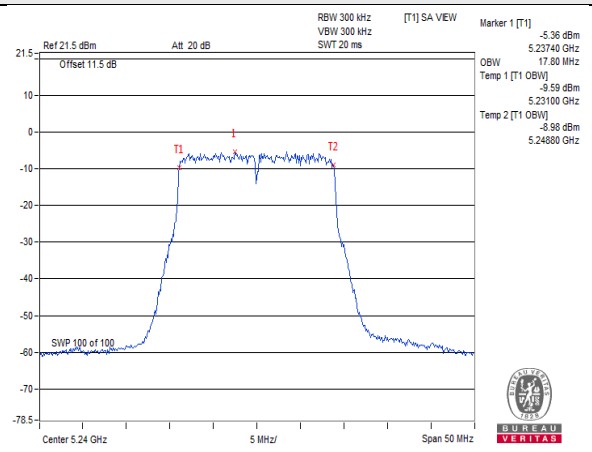
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	17.70
48	5240	17.80
52	5260	17.70
64	5320	17.80
100	5500	17.80
120	5600	17.70
140	5700	17.80

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

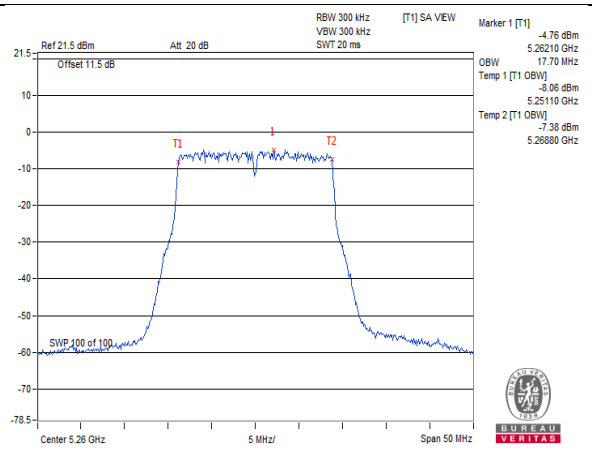
Vnormal



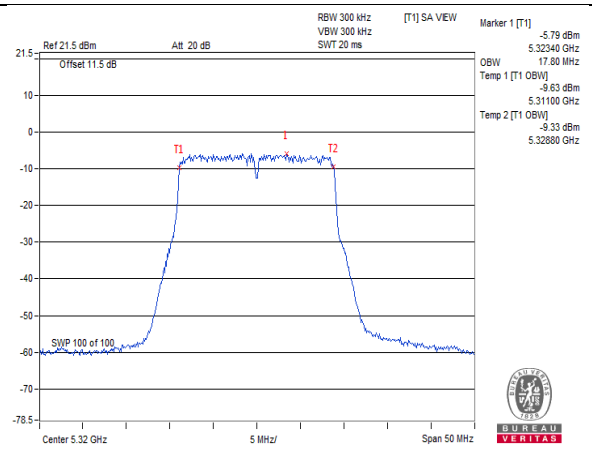
CH 36 (5180MHz)



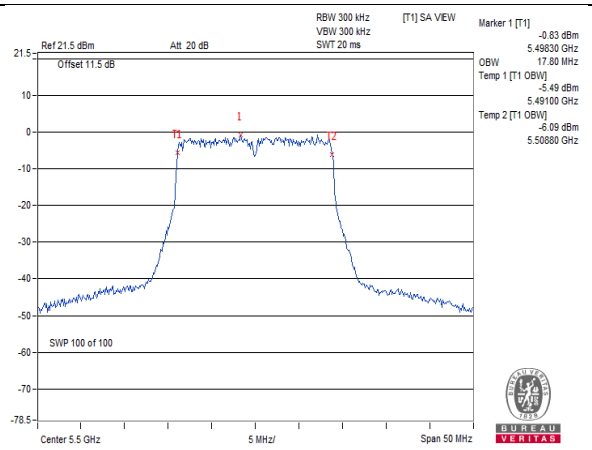
CH 48 (5240MHz)



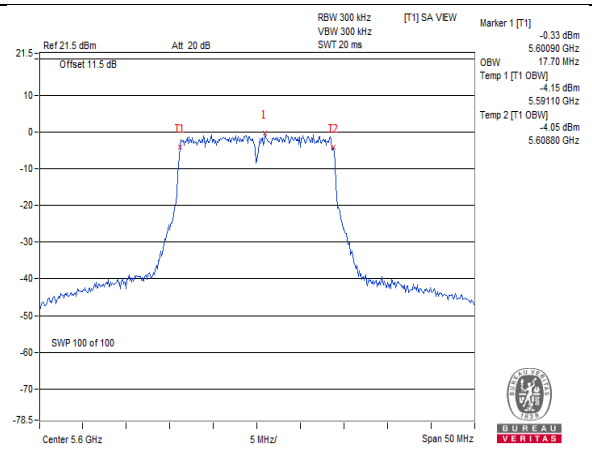
CH 52 (5260MHz)



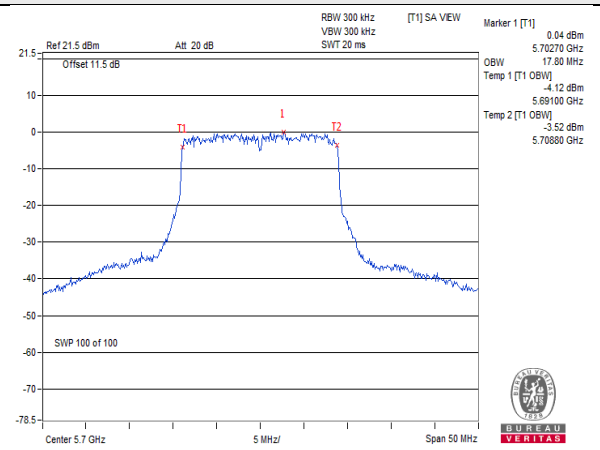
CH 64 (5320MHz)



CH 100 (5500MHz)



CH 120 (5600MHz)

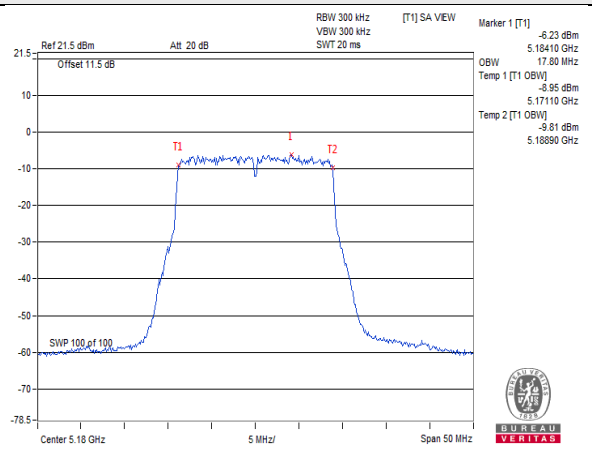
V_{normal}	
	
CH 140 (5700MHz)	

Chain 2

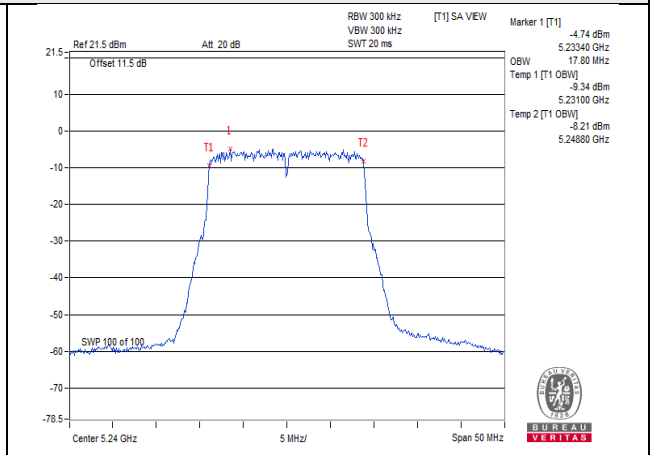
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	17.80
48	5240	17.80
52	5260	17.80
64	5320	17.80
100	5500	17.90
120	5600	17.80
140	5700	17.90

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

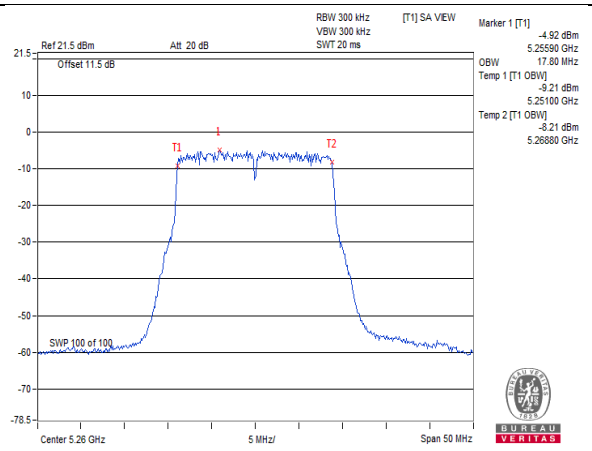
Vnormal



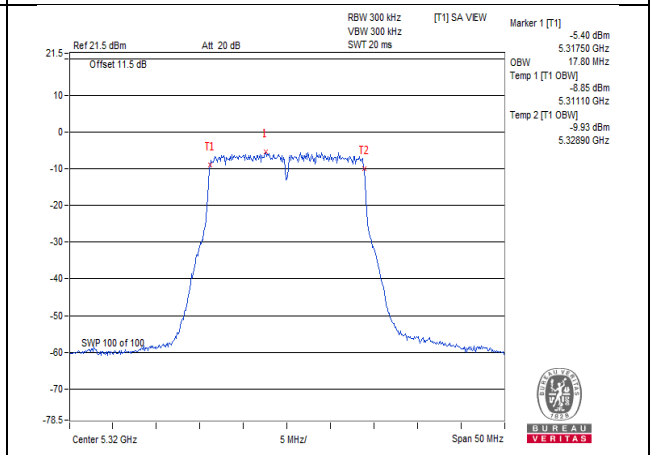
CH 36 (5180MHz)



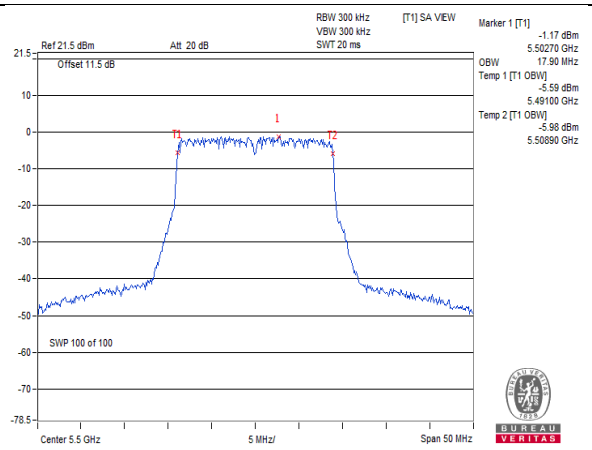
CH 48 (5240MHz)



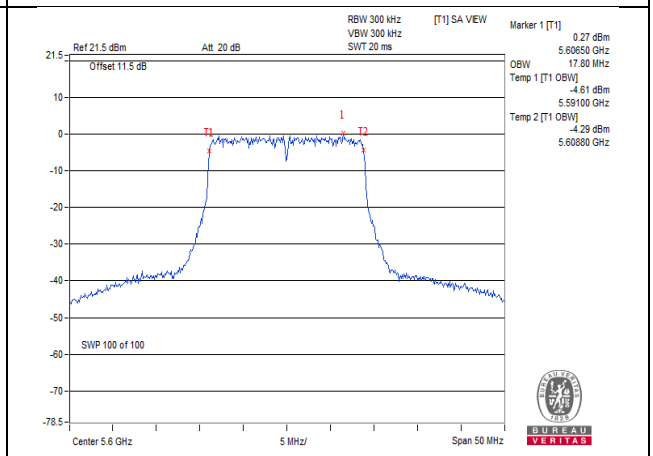
CH 52 (5260MHz)



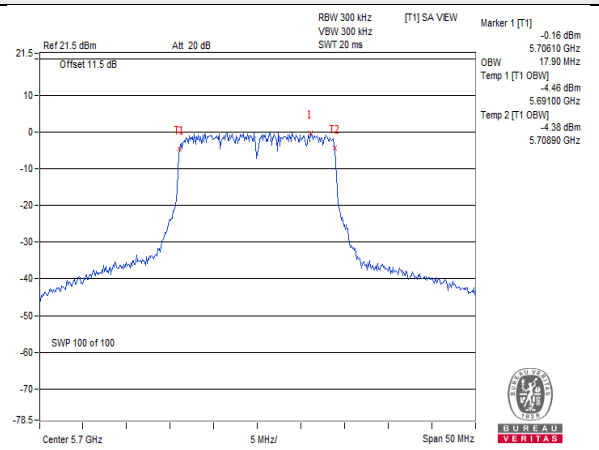
CH 64 (5320MHz)



CH 100 (5500MHz)



CH 120 (5600MHz)

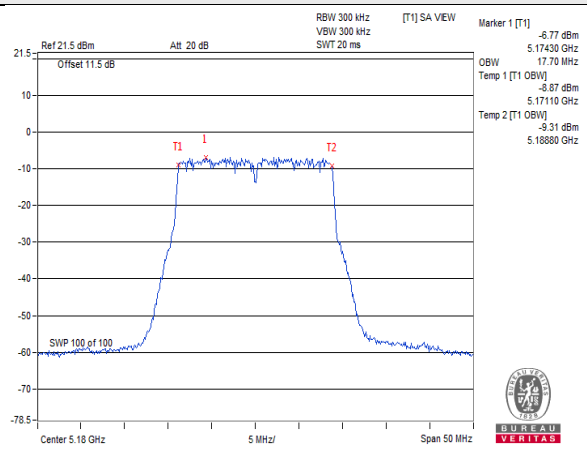
V_{normal}	
	
CH 140 (5700MHz)	

Chain 3

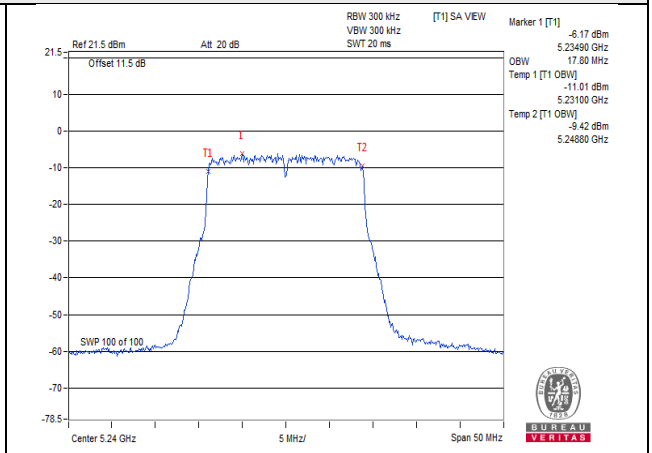
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	17.70
48	5240	17.80
52	5260	17.90
64	5320	17.80
100	5500	17.80
120	5600	17.80
140	5700	17.80

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

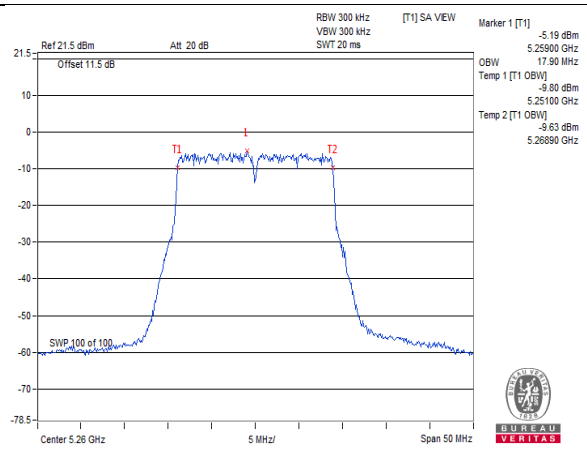
Vnormal



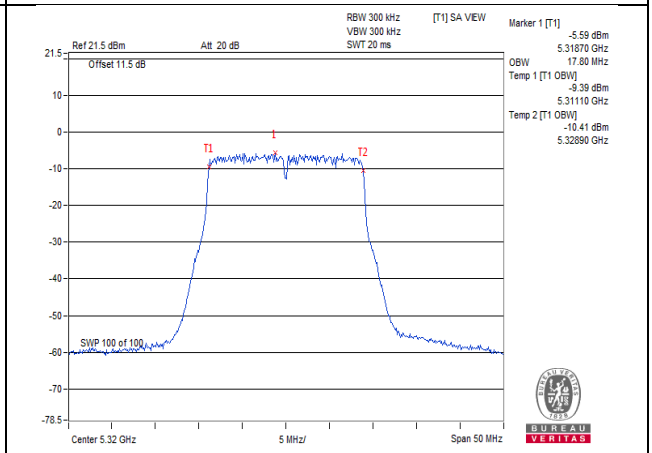
CH 36 (5180MHz)



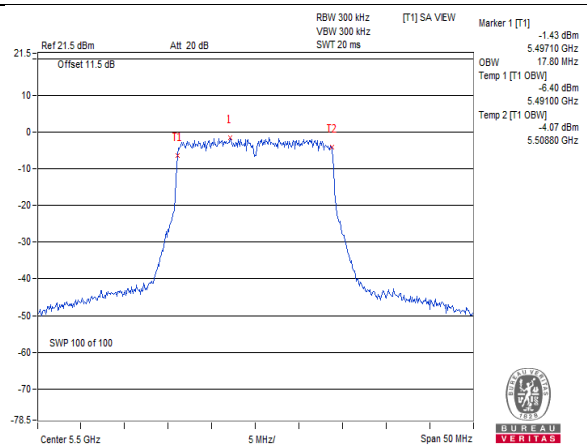
CH 48 (5240MHz)



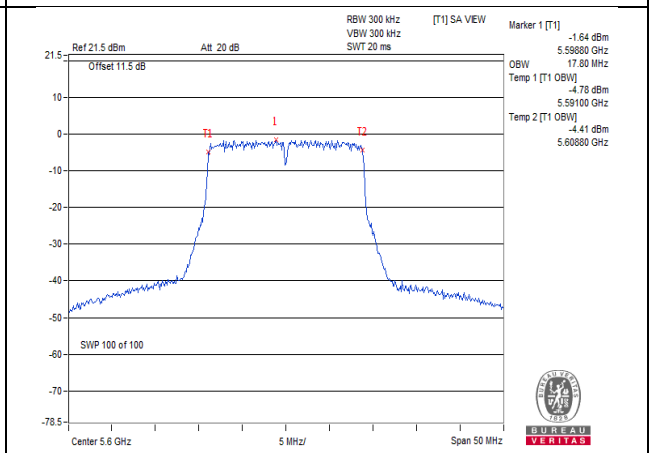
CH 52 (5260MHz)



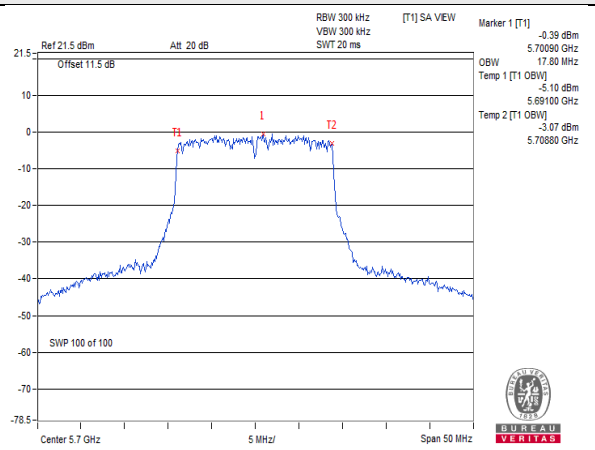
CH 64 (5320MHz)



CH 100 (5500MHz)



CH 120 (5600MHz)

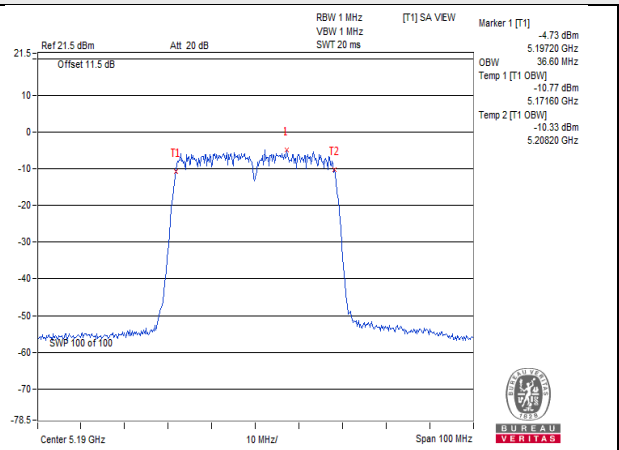
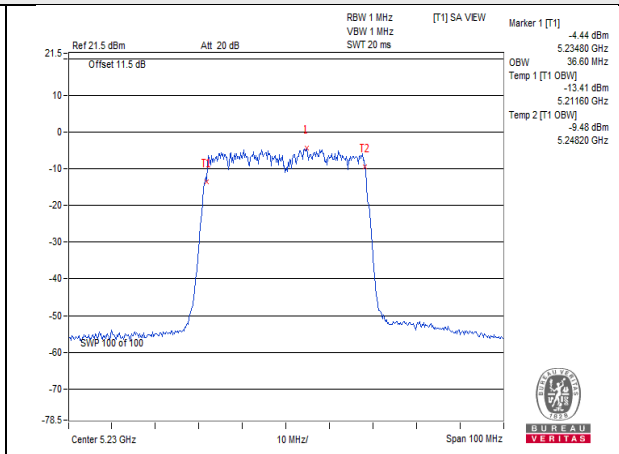
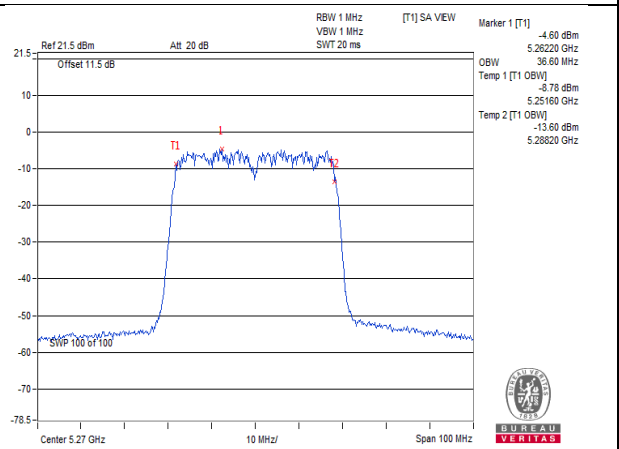
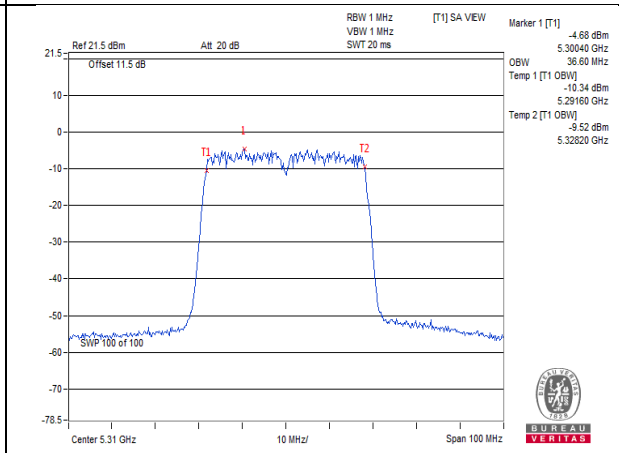
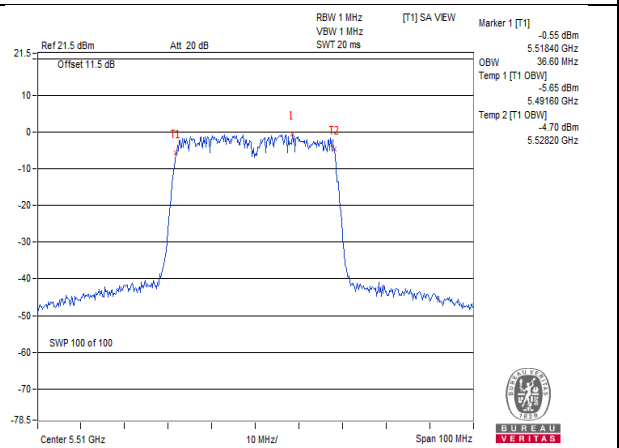
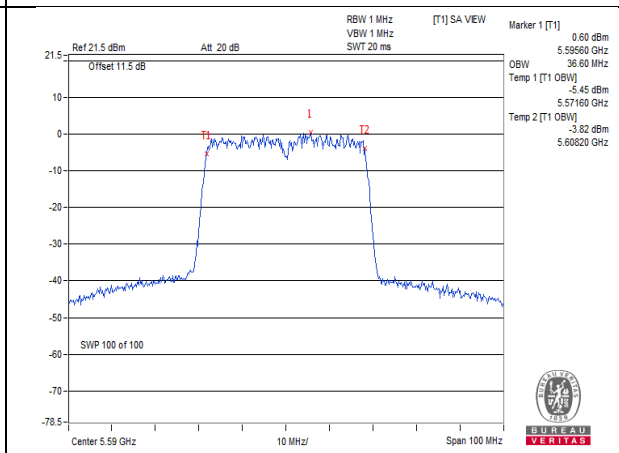
V_{normal}	
	
CH 140 (5700MHz)	

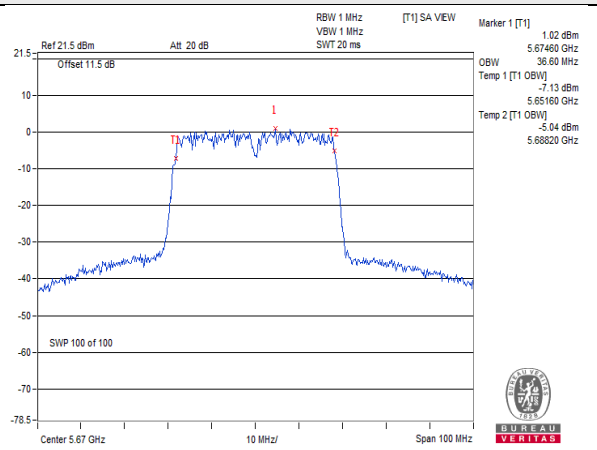
802.11ac (VHT40)

Chain 0

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
38	5190	36.60
46	5230	36.60
54	5270	36.60
62	5310	36.60
102	5510	36.60
118	5590	36.60
134	5670	36.60

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

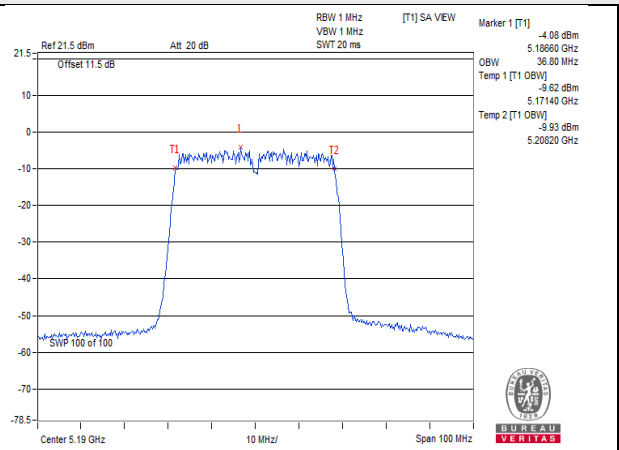
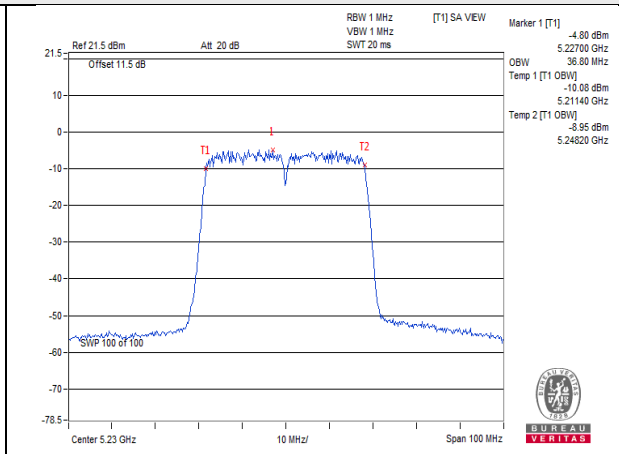
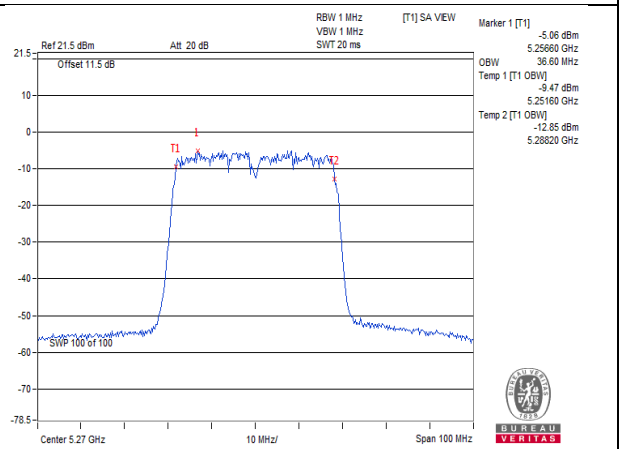
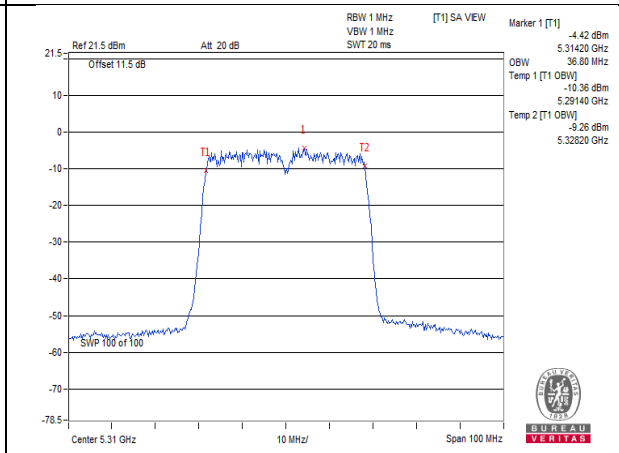
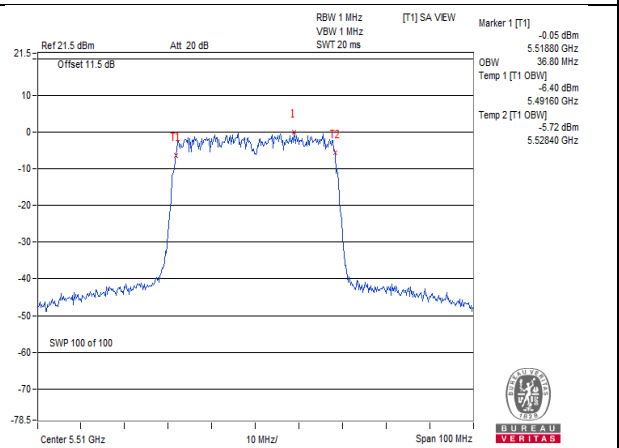
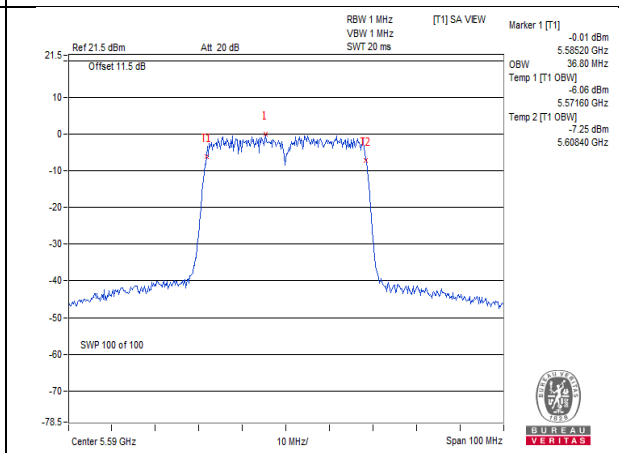
V_{normal}	
	
CH 38 (5190MHz)	CH 46 (5230MHz)
	
CH 54 (5270MHz)	CH 62 (5310MHz)
	
CH 102 (5510MHz)	CH 118 (5590MHz)

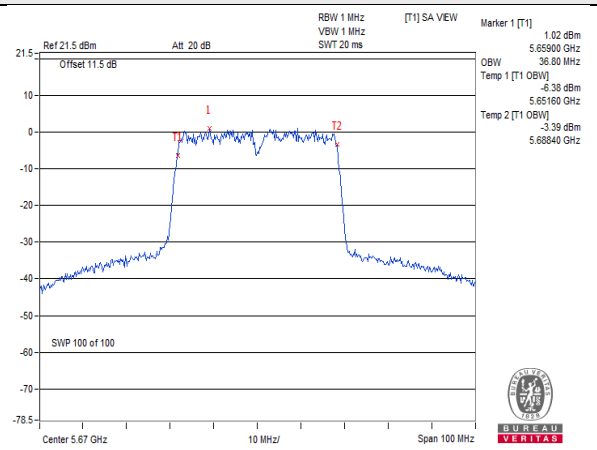
V_{normal}	
	
CH 134 (5670MHz)	

Chain 1

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
38	5190	36.80
46	5230	36.80
54	5270	36.60
62	5310	36.80
102	5510	36.80
118	5590	36.80
134	5670	36.80

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

V_{normal}	
	
CH 38 (5190MHz)	CH 46 (5230MHz)
	
CH 54 (5270MHz)	CH 62 (5310MHz)
	
CH 102 (5510MHz)	CH 118 (5590MHz)

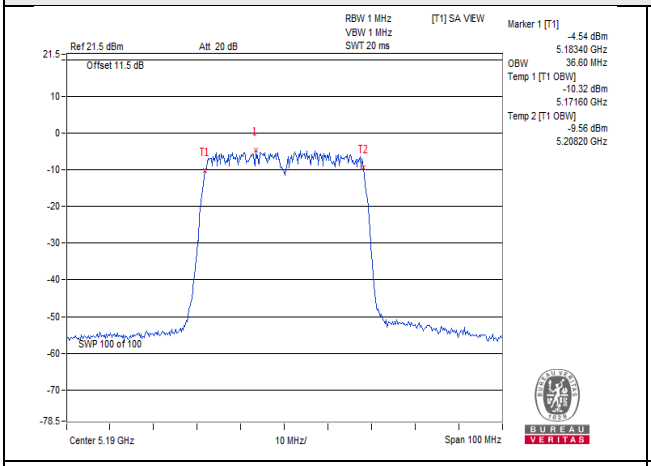
V_{normal}	
	
CH 134 (5670MHz)	

Chain 2

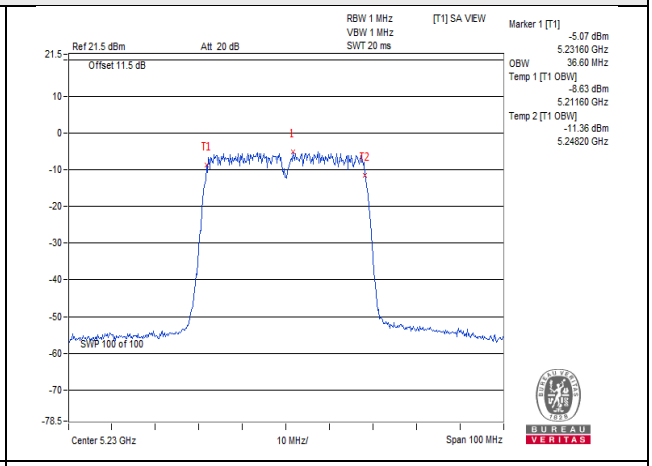
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
38	5190	36.60
46	5230	36.60
54	5270	37.00
62	5310	36.60
102	5510	36.60
118	5590	36.60
134	5670	36.80

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

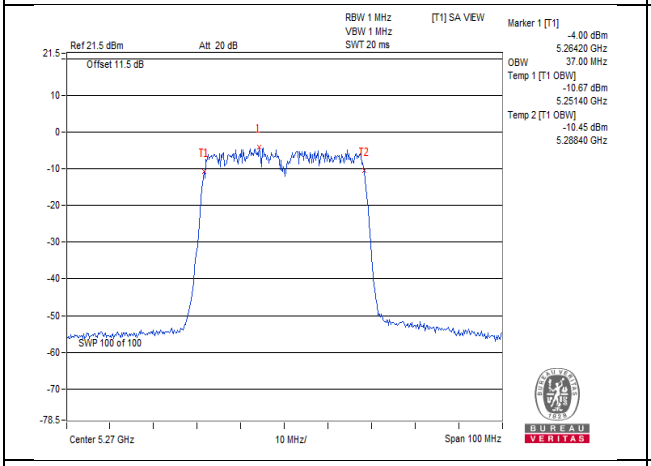
Vnormal



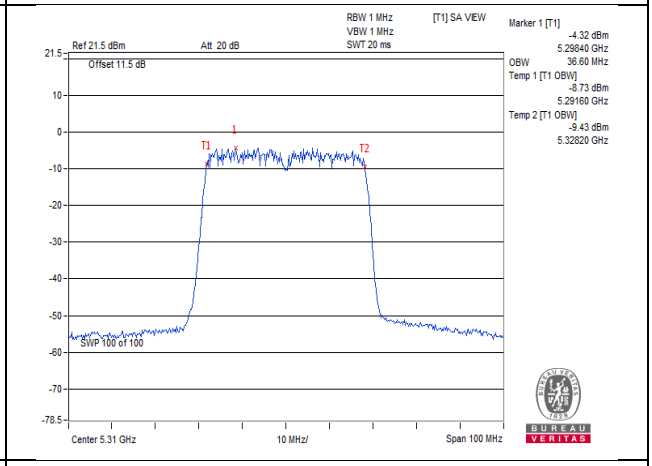
CH 38 (5190MHz)



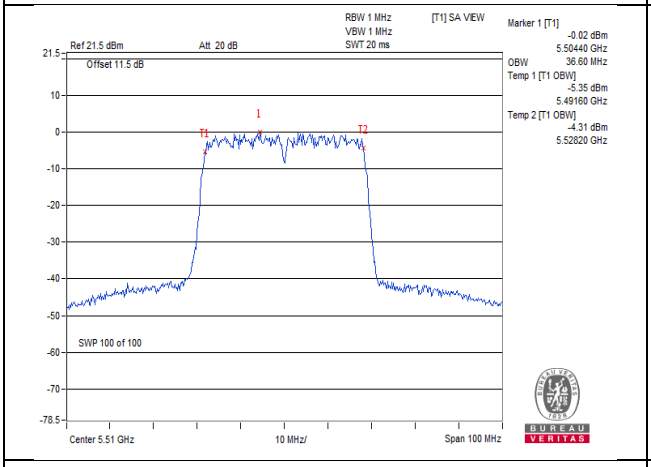
CH 46 (5230MHz)



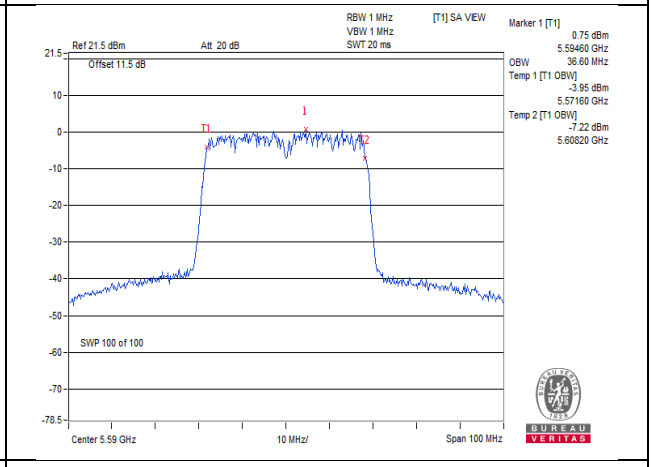
CH 54 (5270MHz)



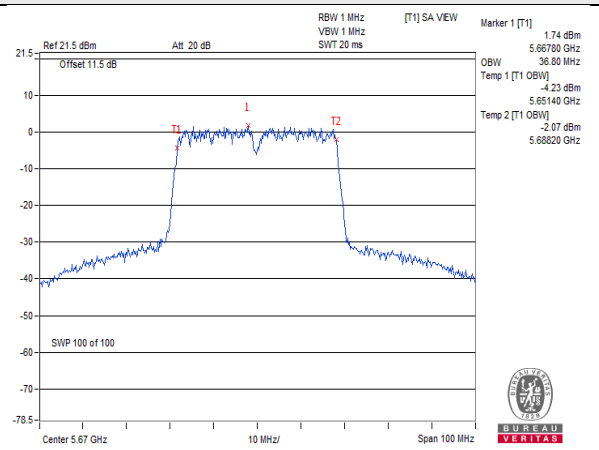
CH 62 (5310MHz)



CH 102 (5510MHz)



CH 118 (5590MHz)

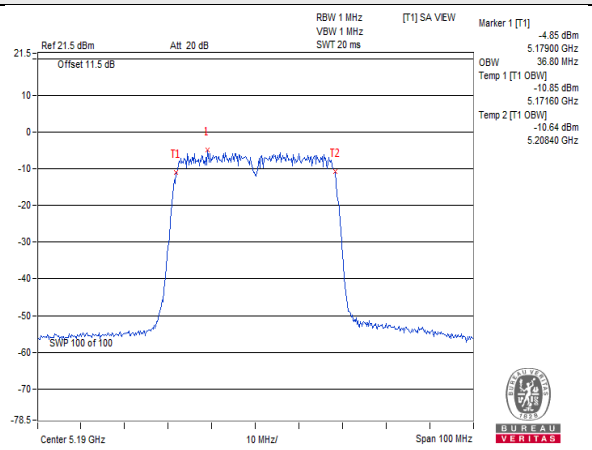
V_{normal}	
	
CH 134 (5670MHz)	

Chain 3

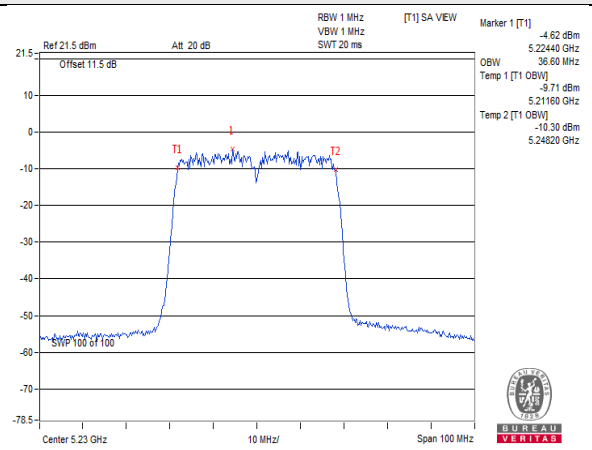
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
38	5190	36.80
46	5230	36.60
54	5270	36.60
62	5310	36.60
102	5510	36.80
118	5590	36.80
134	5670	36.80

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

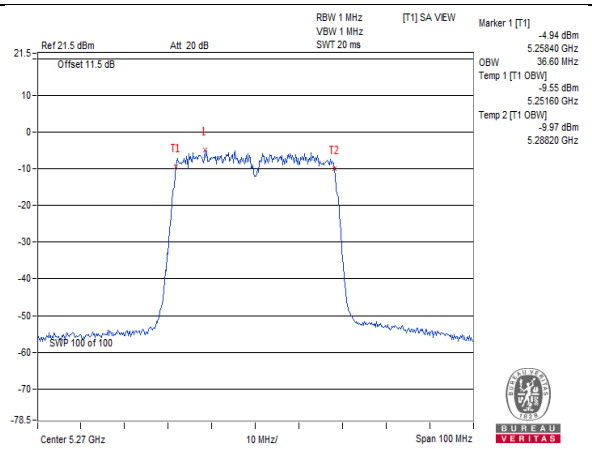
Vnormal



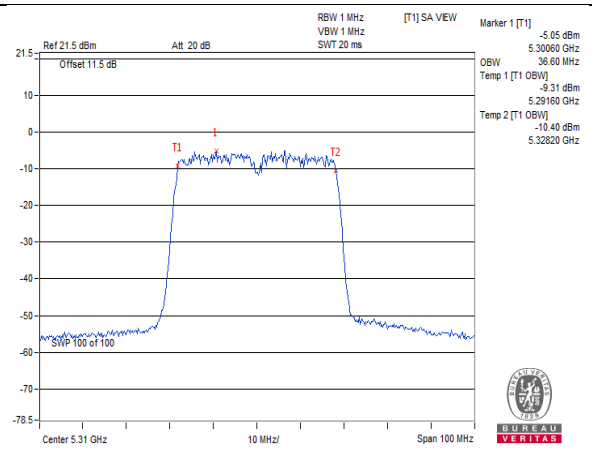
CH 38 (5190MHz)



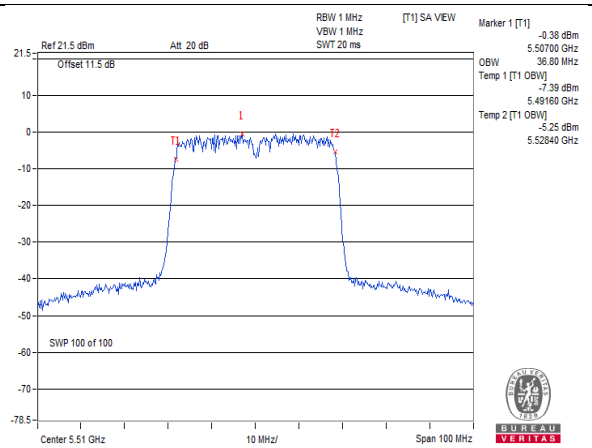
CH 46 (5230MHz)



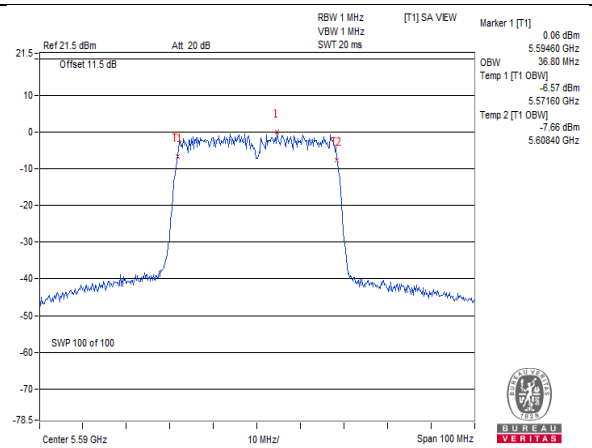
CH 54 (5270MHz)



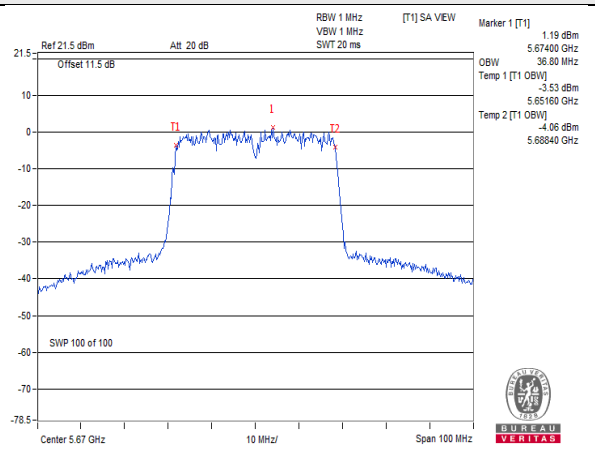
CH 62 (5310MHz)



CH 102 (5510MHz)



CH 118 (5590MHz)

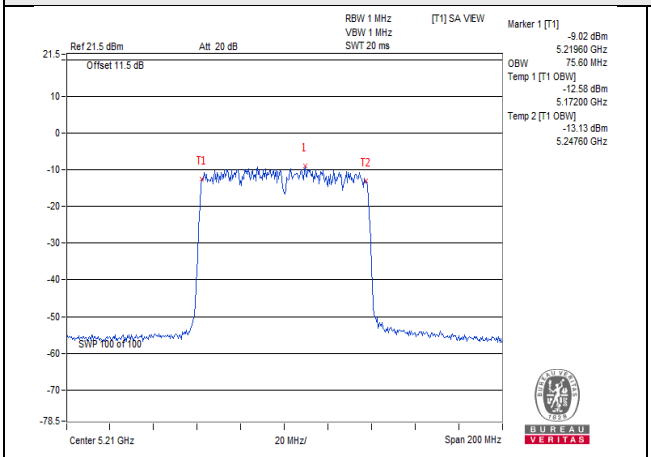
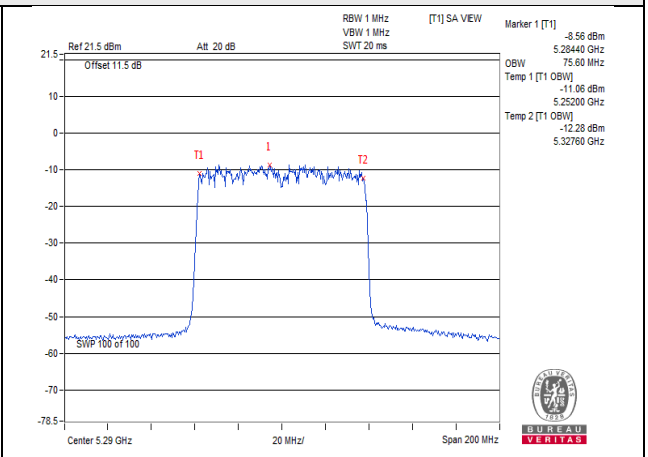
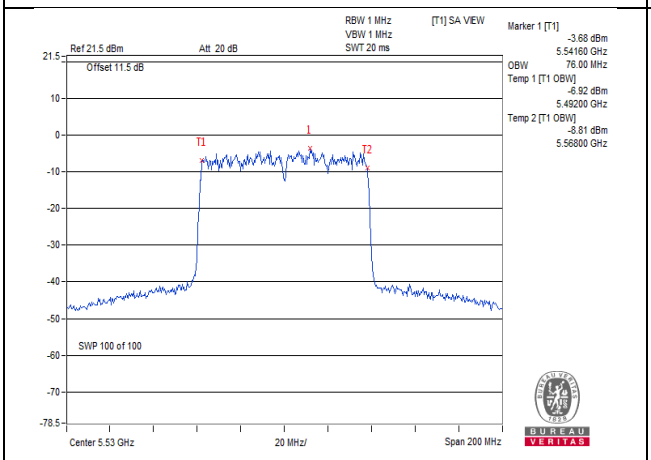
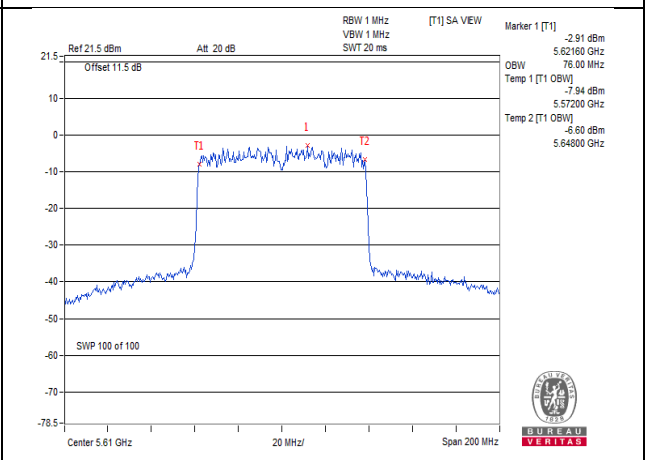
V_{normal}	
	
CH 134 (5670MHz)	

802.11ac (VHT80)

Chain 0

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
42	5210	75.60
58	5290	75.60
106	5530	76.00
122	5610	76.00

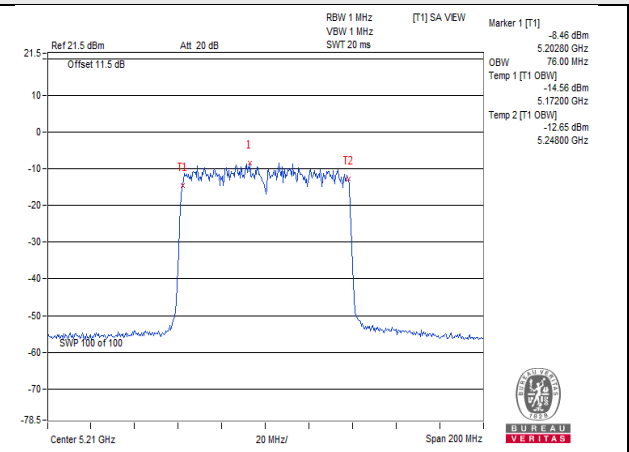
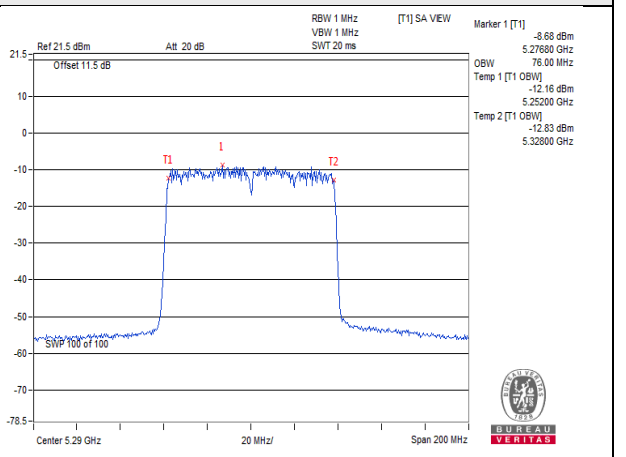
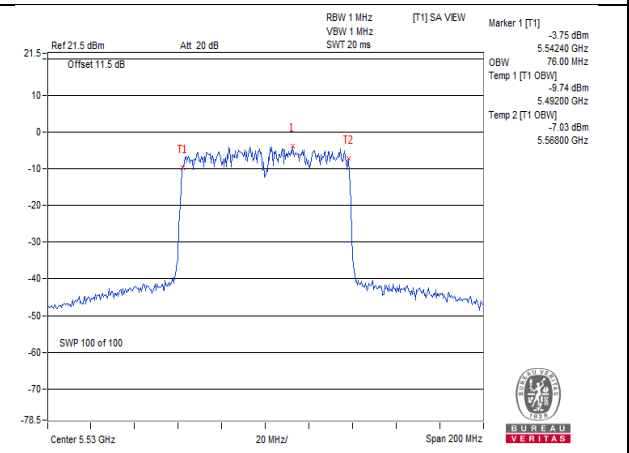
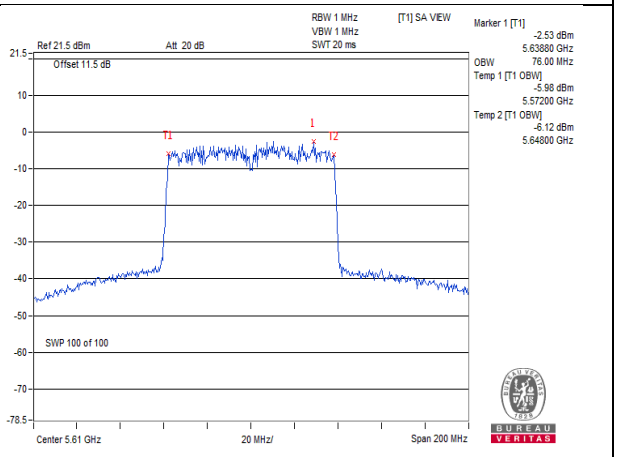
Note: For the test plots please refer to the below pages.

V_{normal}	
	
CH 42 (5210MHz)	CH 58 (5290MHz)
	
CH 106 (5530MHz)	CH 122 (5610MHz)

Chain 1

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
42	5210	76.00
58	5290	76.00
106	5530	76.00
122	5610	76.00

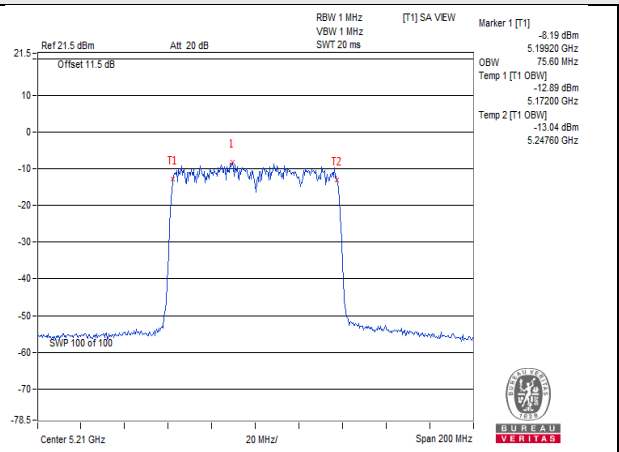
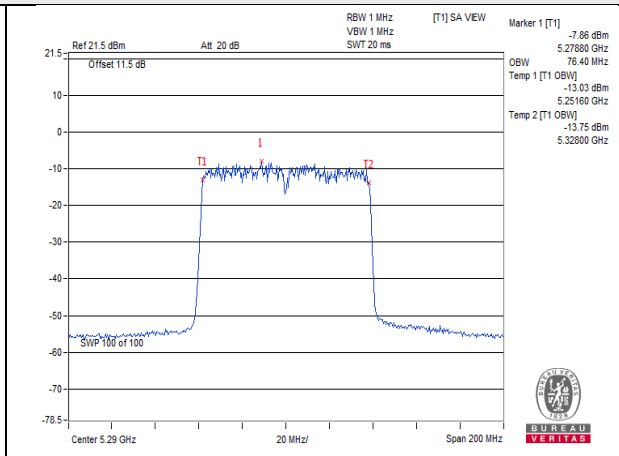
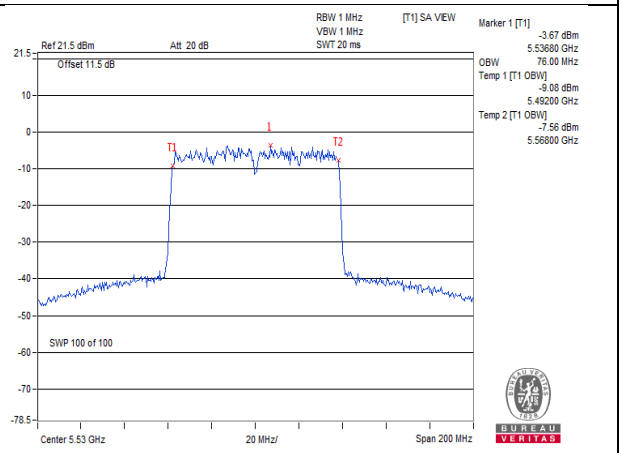
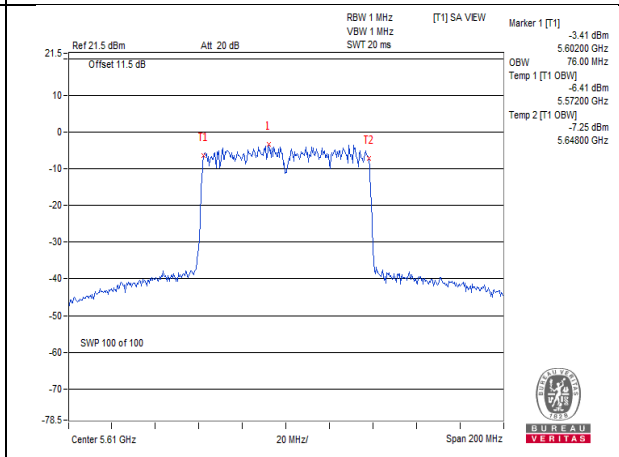
Note: For the test plots please refer to the below pages.

V_{normal}	
	
CH 42 (5210MHz)	CH 58 (5290MHz)
	
CH 106 (5530MHz)	CH 122 (5610MHz)

Chain 2

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
42	5210	75.60
58	5290	76.40
106	5530	76.00
122	5610	76.00

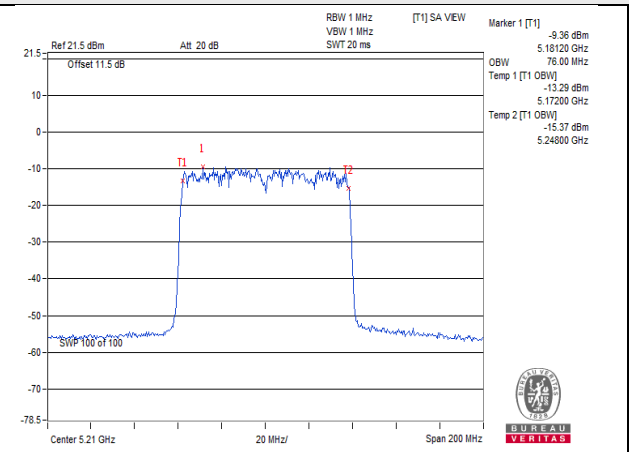
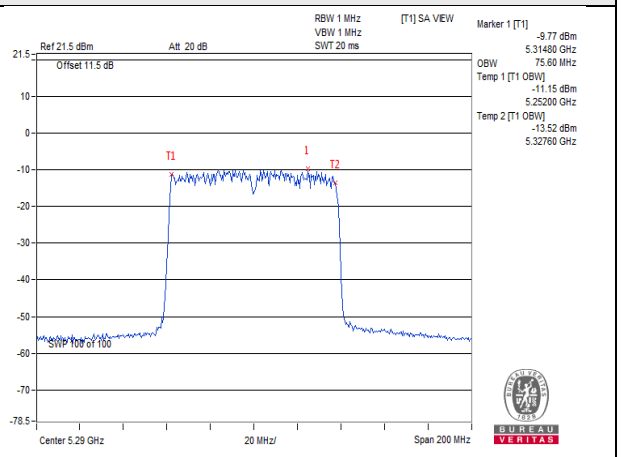
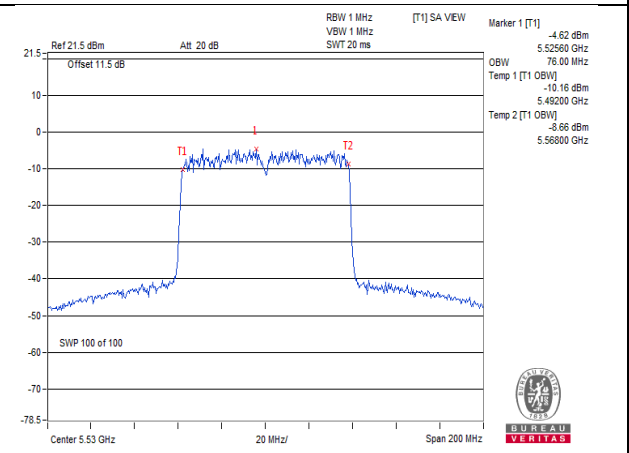
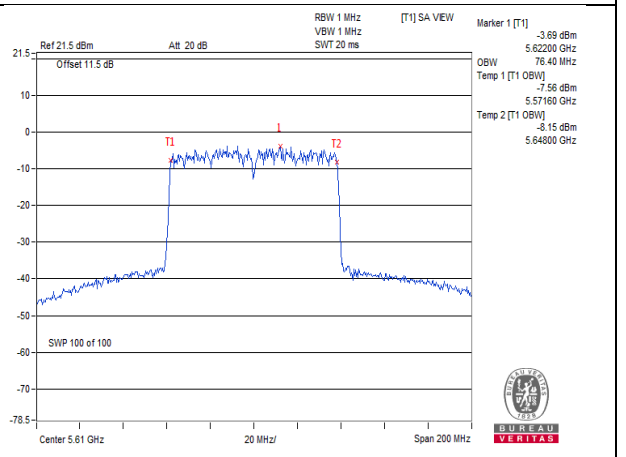
Note: For the test plots please refer to the below pages.

V_{normal}	
	
CH 42 (5210MHz)	CH 58 (5290MHz)
	
CH 106 (5530MHz)	CH 122 (5610MHz)

Chain 3

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
42	5210	76.00
58	5290	75.60
106	5530	76.00
122	5610	76.40

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

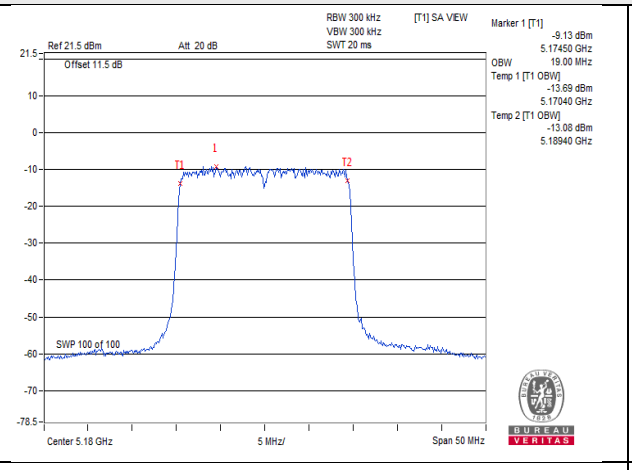
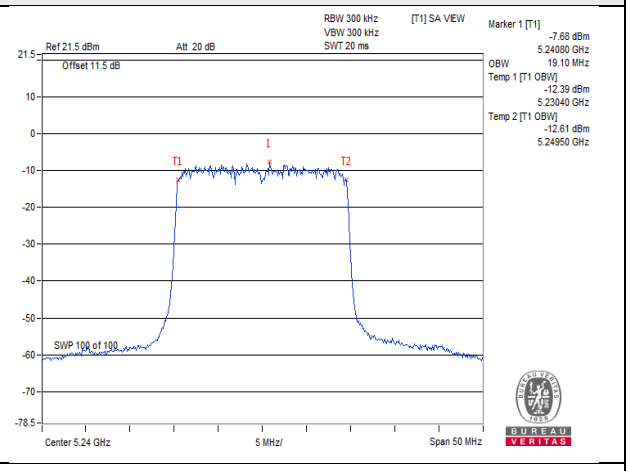
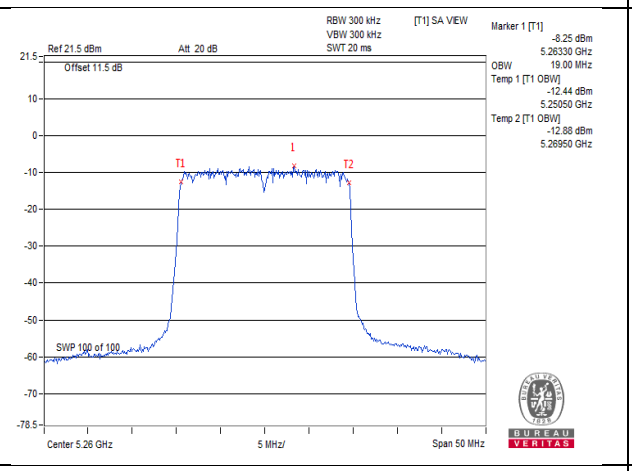
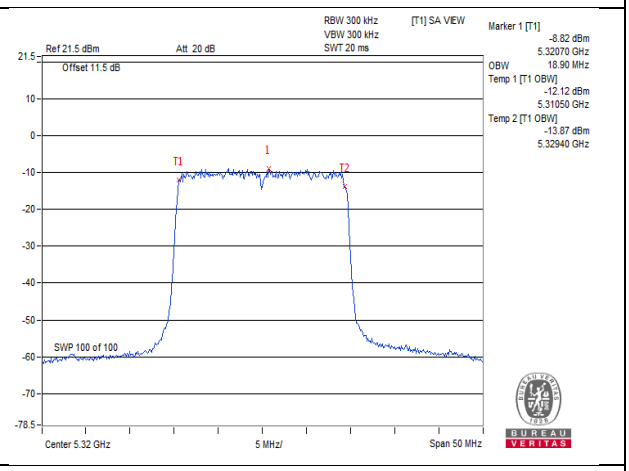
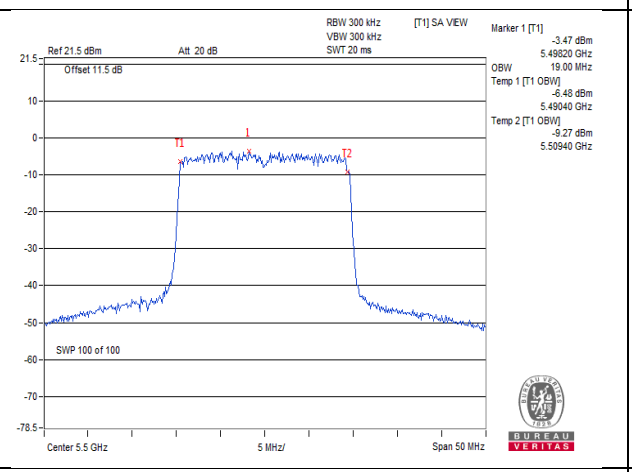
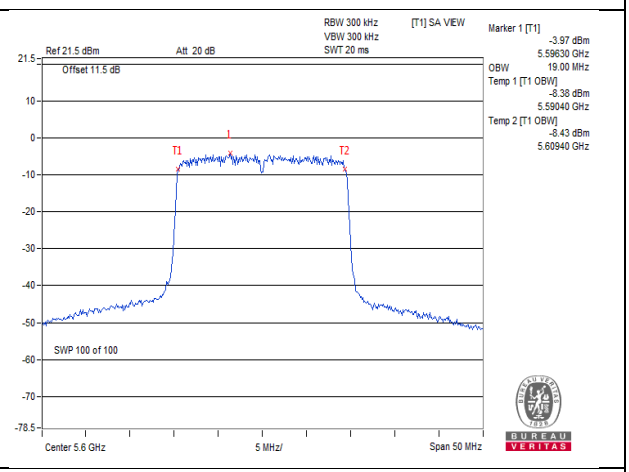
V_{normal}	
	
CH 42 (5210MHz)	CH 58 (5290MHz)
	
CH 106 (5530MHz)	CH 122 (5610MHz)

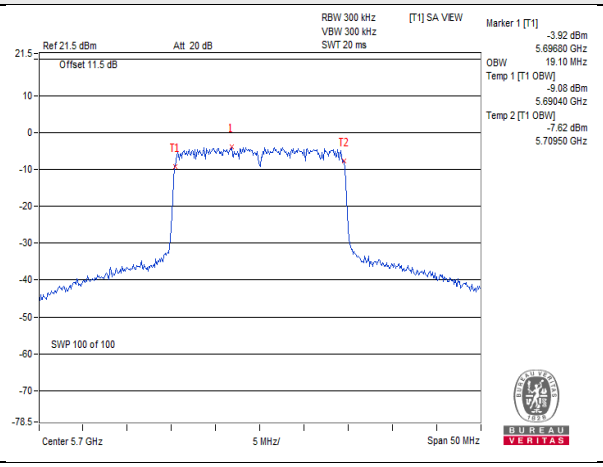
802.11ax (HE20)

Chain 0

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	19.00
48	5240	19.10
52	5260	19.00
64	5320	18.90
100	5500	19.00
120	5600	19.00
140	5700	19.10

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

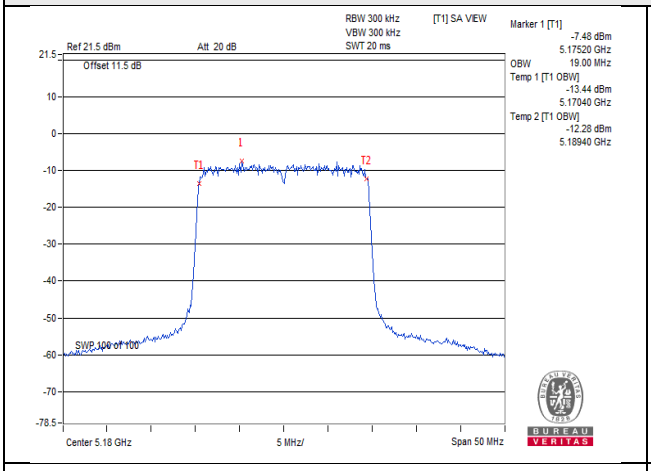
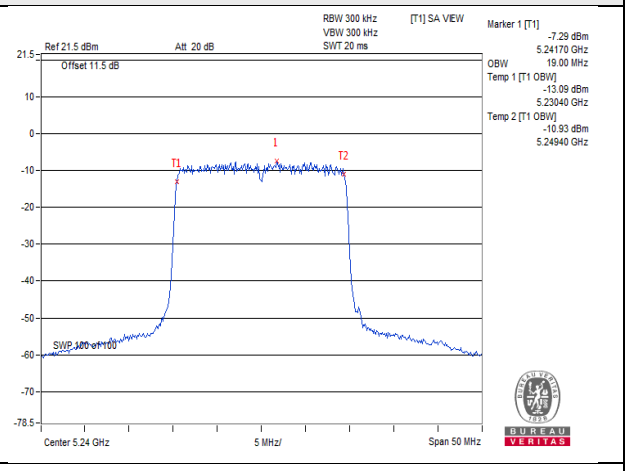
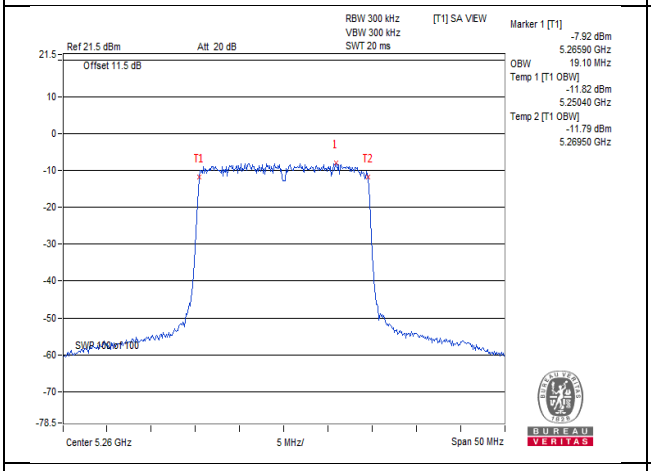
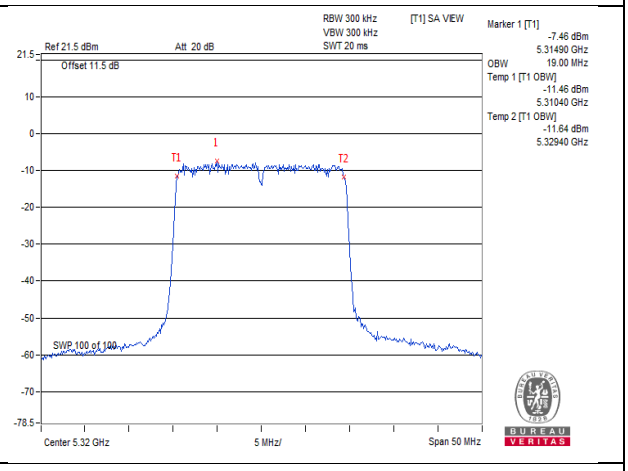
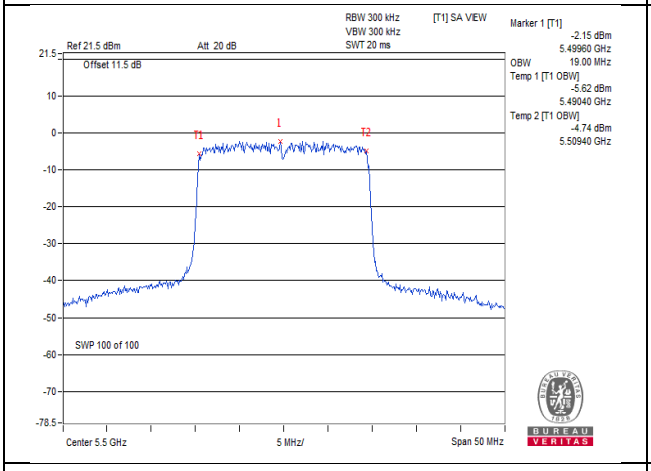
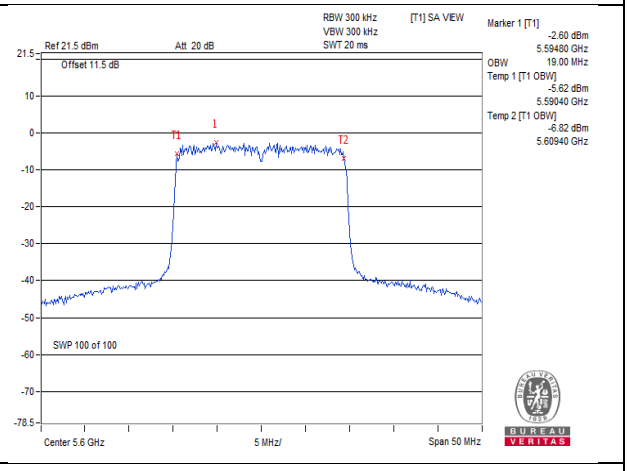
V_{normal}	
	
CH 36 (5180MHz)	CH 48 (5240MHz)
	
CH 52 (5260MHz)	CH 64 (5320MHz)
	
CH 100 (5500MHz)	CH 120 (5600MHz)

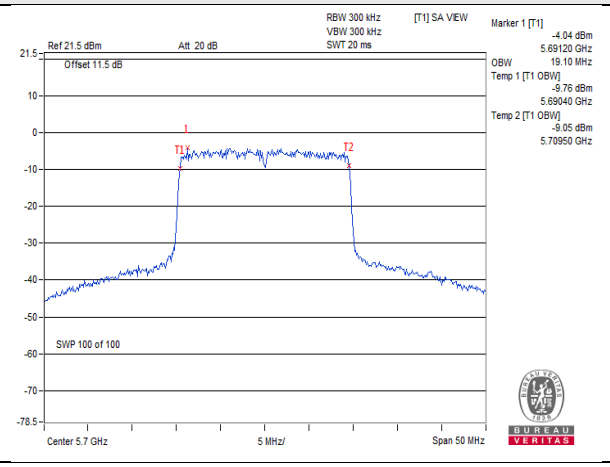
V_{normal}	
	
CH 140 (5700MHz)	

Chain 1

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	19.00
48	5240	19.00
52	5260	19.10
64	5320	19.00
100	5500	19.00
120	5600	19.00
140	5700	19.10

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

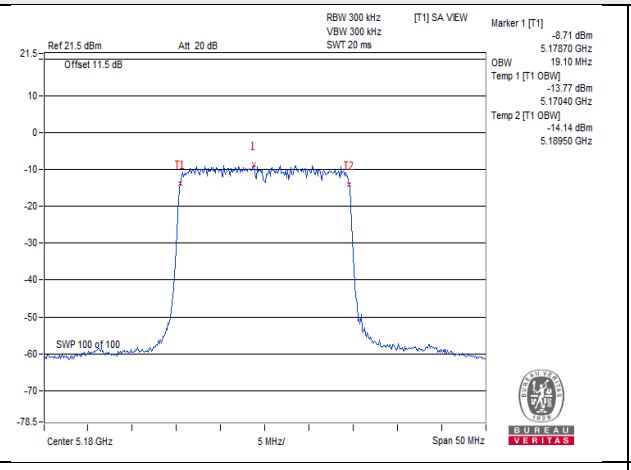
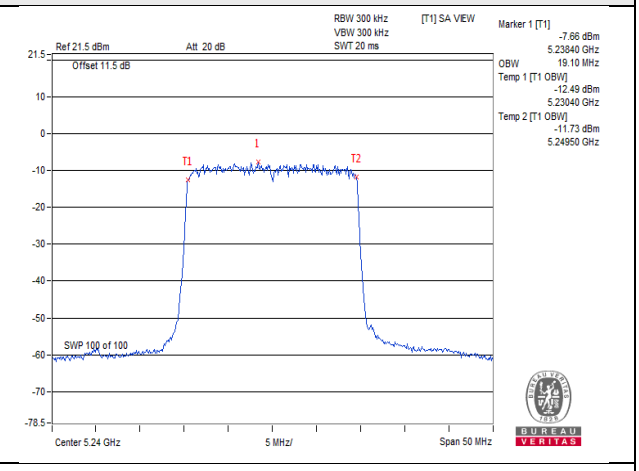
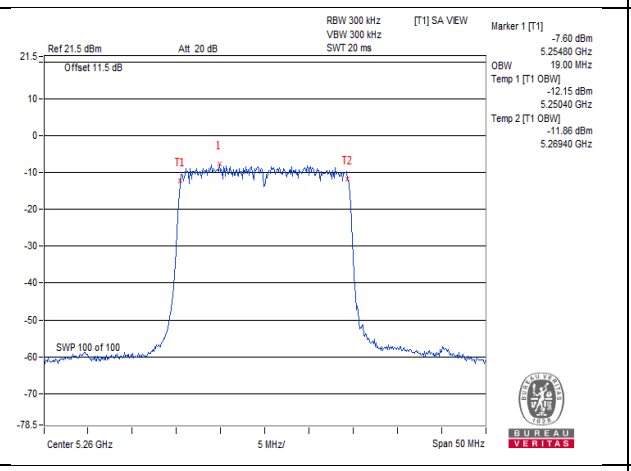
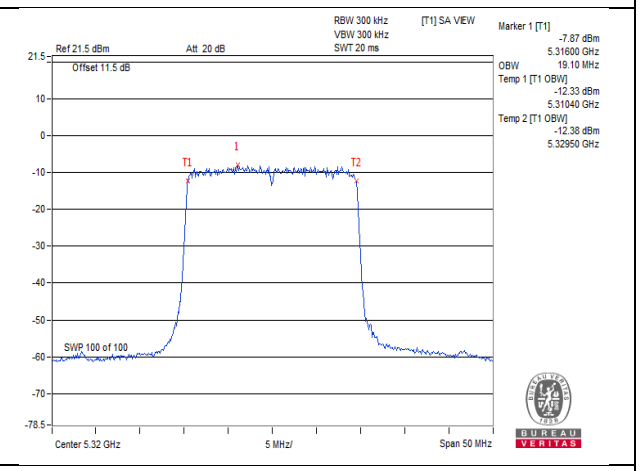
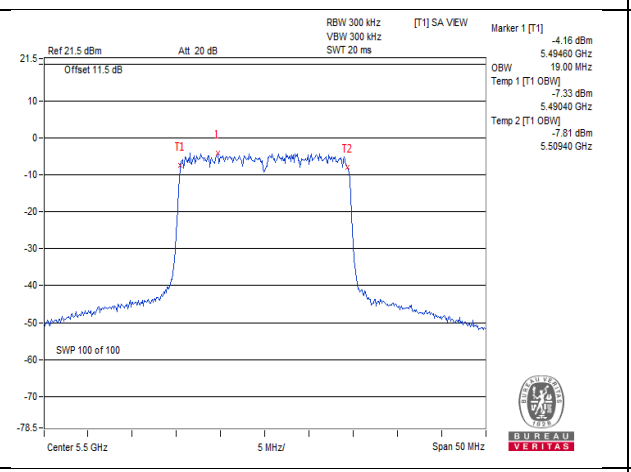
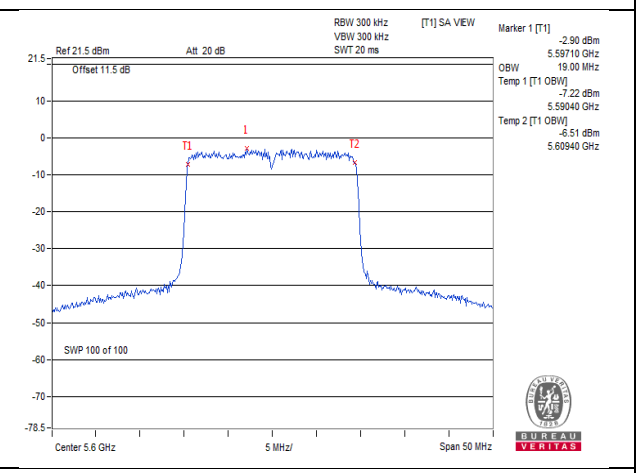
V_{normal}	
	
CH 36 (5180MHz)	CH 48 (5240MHz)
	
CH 52 (5260MHz)	CH 64 (5320MHz)
	
CH 100 (5500MHz)	CH 120 (5600MHz)

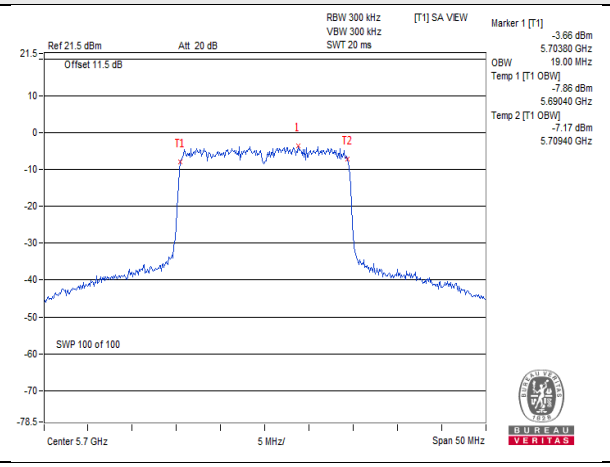
V_{normal}	
	
CH 140 (5700MHz)	

Chain 2

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	19.10
48	5240	19.10
52	5260	19.00
64	5320	19.10
100	5500	19.00
120	5600	19.00
140	5700	19.00

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

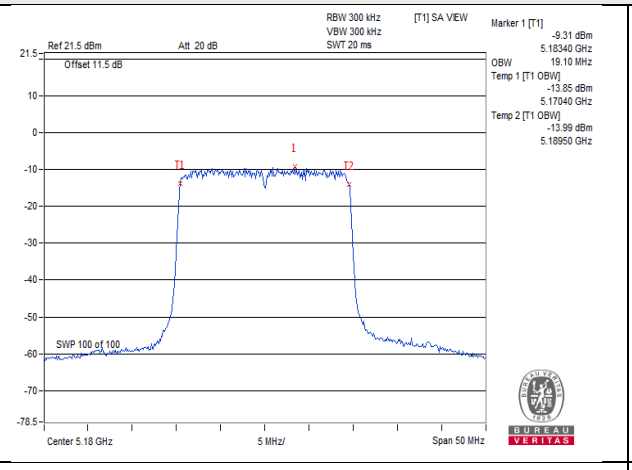
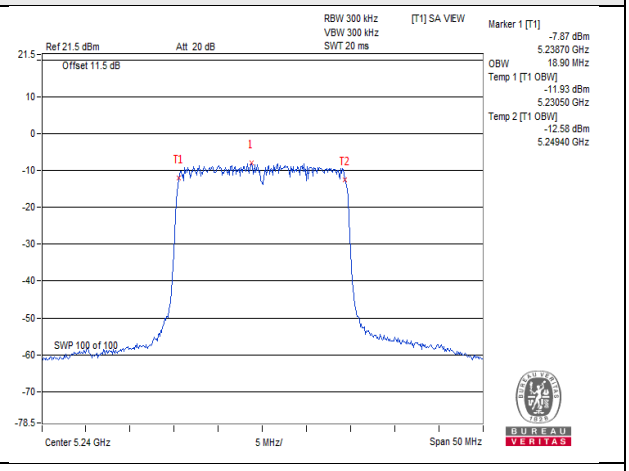
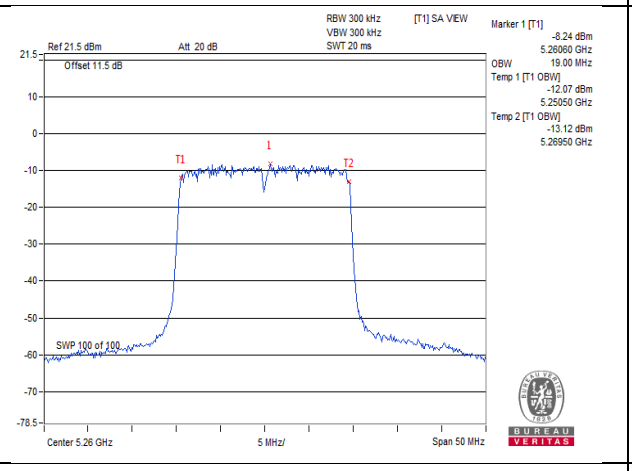
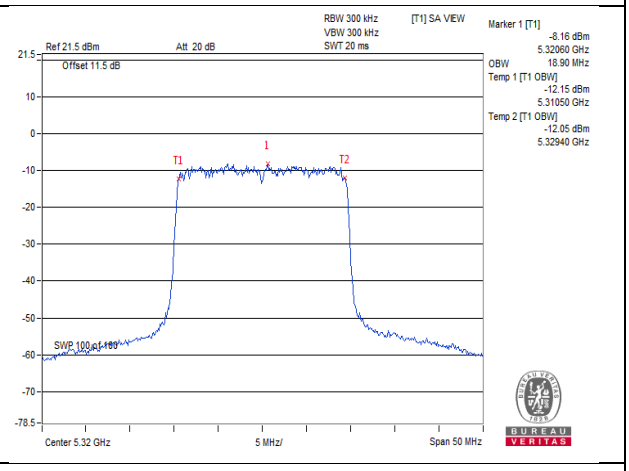
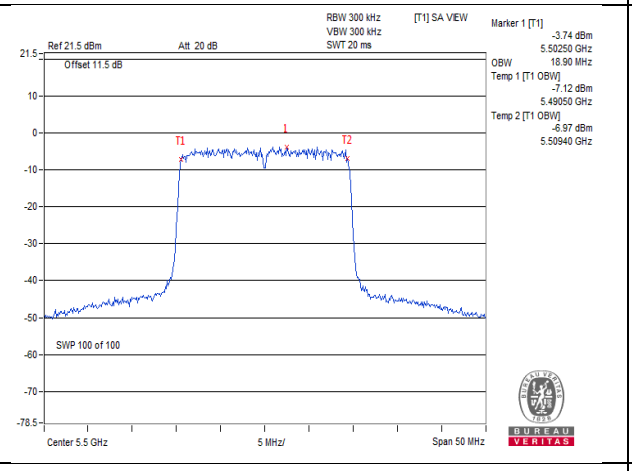
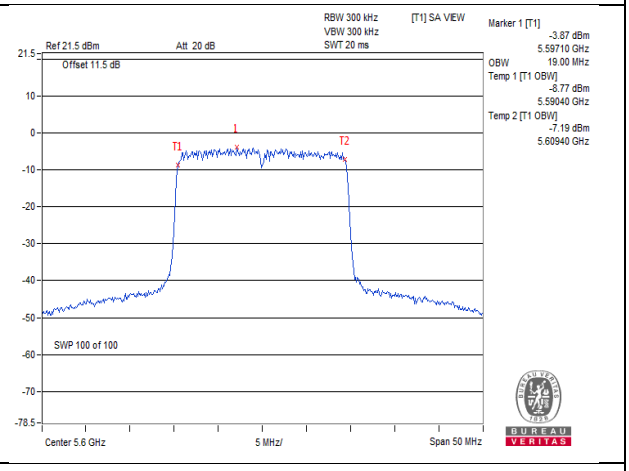
V_{normal}	
	
CH 36 (5180MHz)	CH 48 (5240MHz)
	
CH 52 (5260MHz)	CH 64 (5320MHz)
	
CH 100 (5500MHz)	CH 120 (5600MHz)

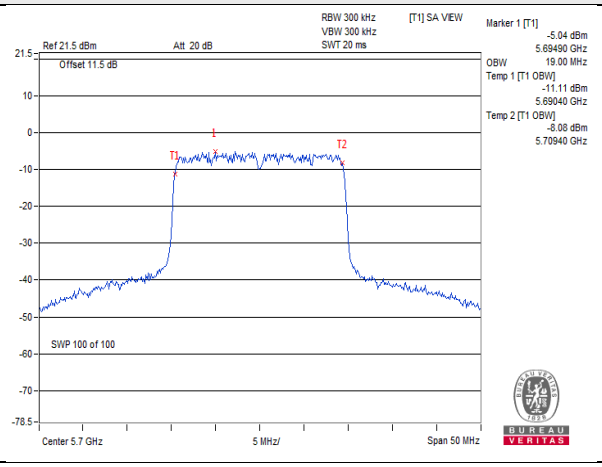
V_{normal}	
	
CH 140 (5700MHz)	

Chain 3

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
36	5180	19.10
48	5240	18.90
52	5260	19.00
64	5320	18.90
100	5500	18.90
120	5600	19.00
140	5700	19.00

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

V_{normal}	
	
CH 36 (5180MHz)	CH 48 (5240MHz)
	
CH 52 (5260MHz)	CH 64 (5320MHz)
	
CH 100 (5500MHz)	CH 120 (5600MHz)

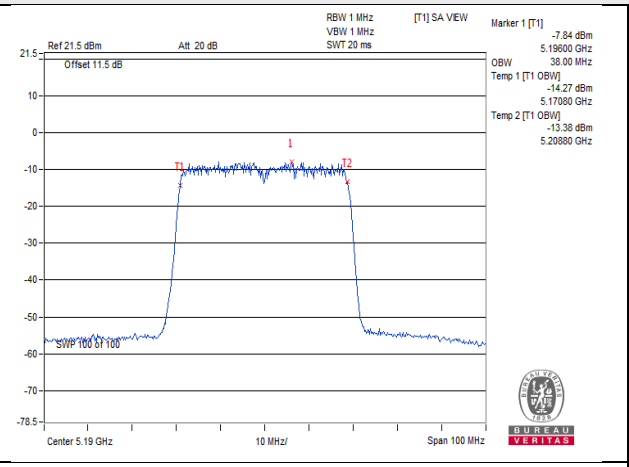
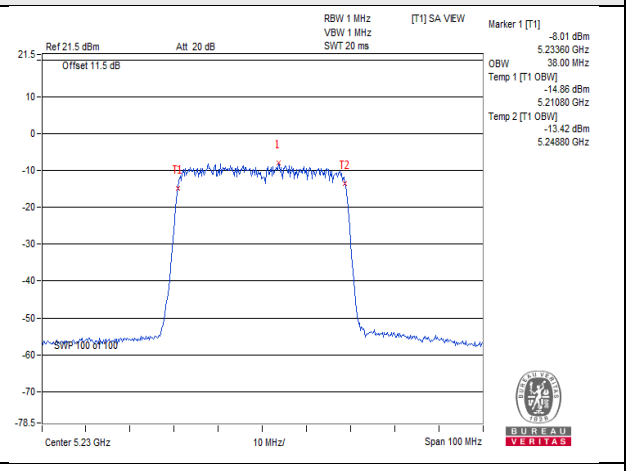
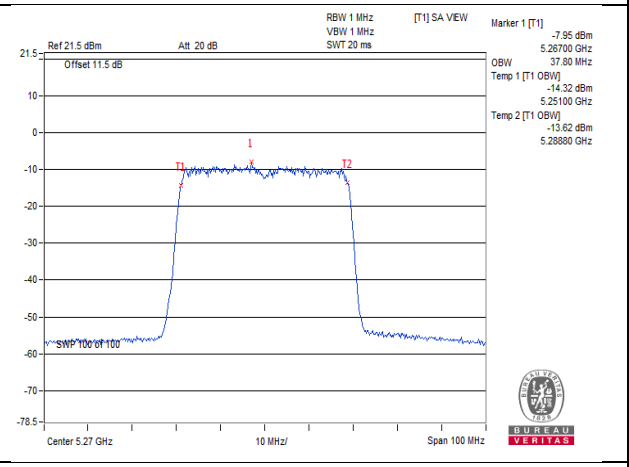
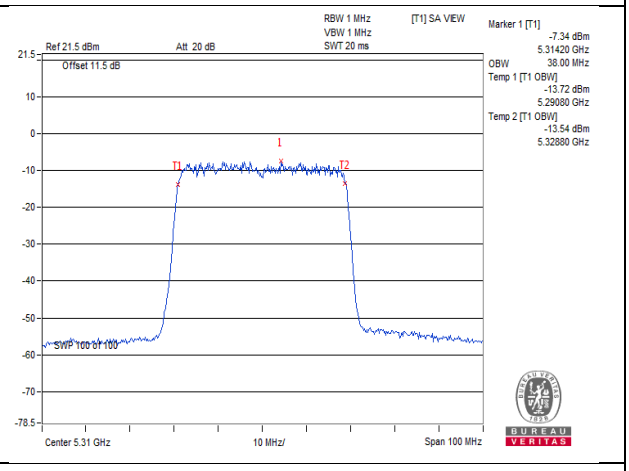
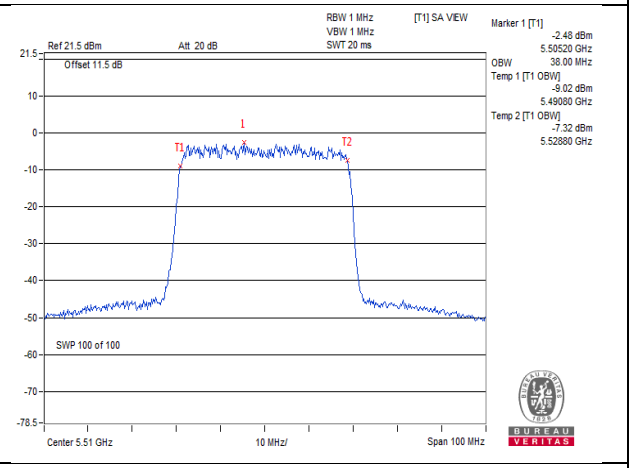
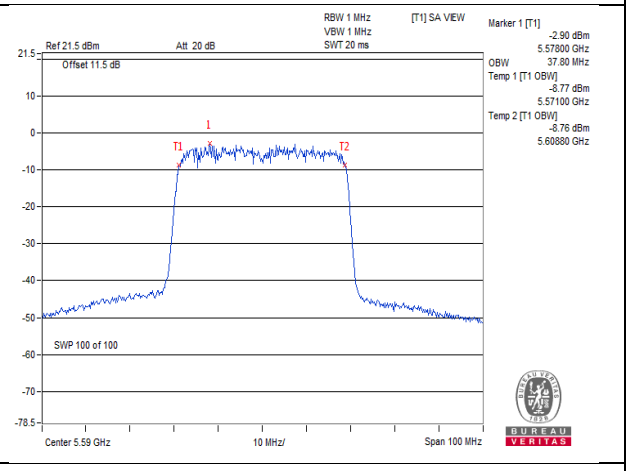
V_{normal}	
	
CH 140 (5700MHz)	

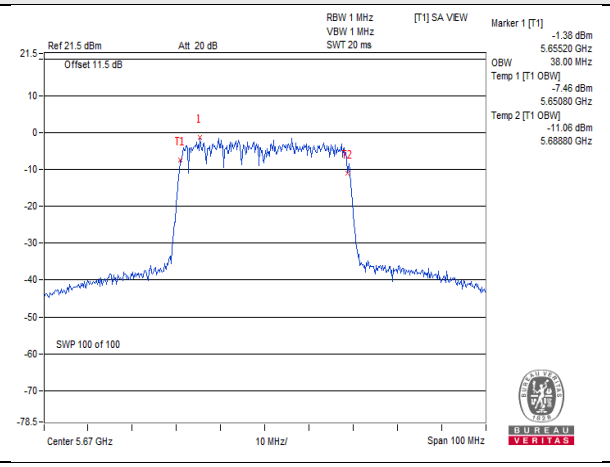
802.11ax (HE40)

Chain 0

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
38	5190	38.00
46	5230	38.00
54	5270	37.80
62	5310	38.00
102	5510	38.00
118	5590	37.80
134	5670	38.00

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

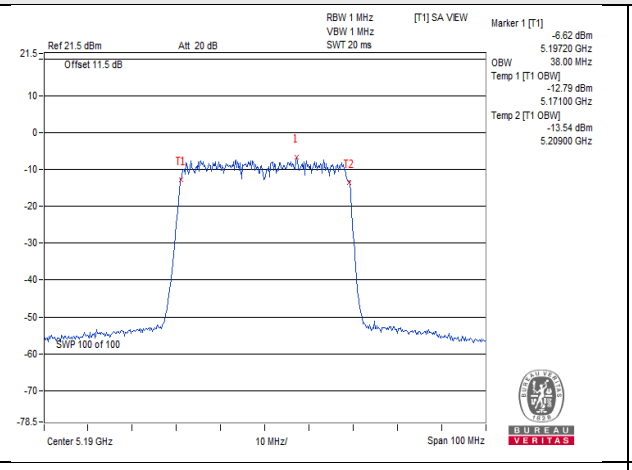
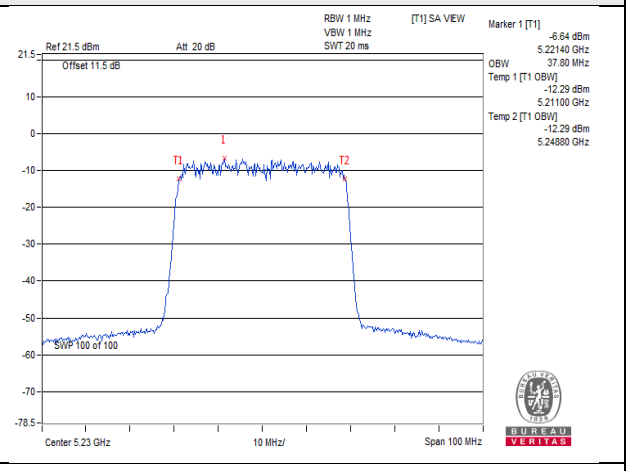
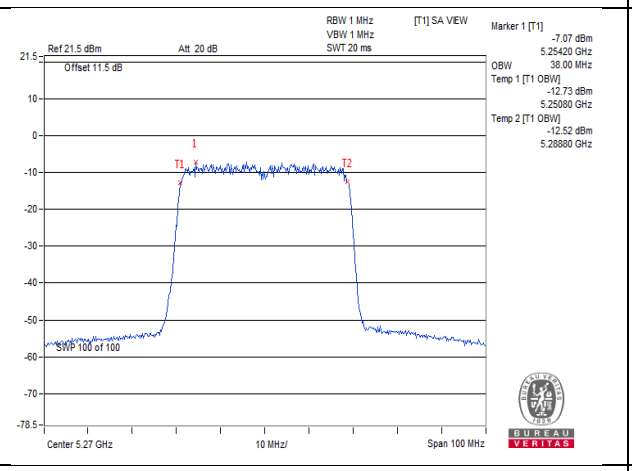
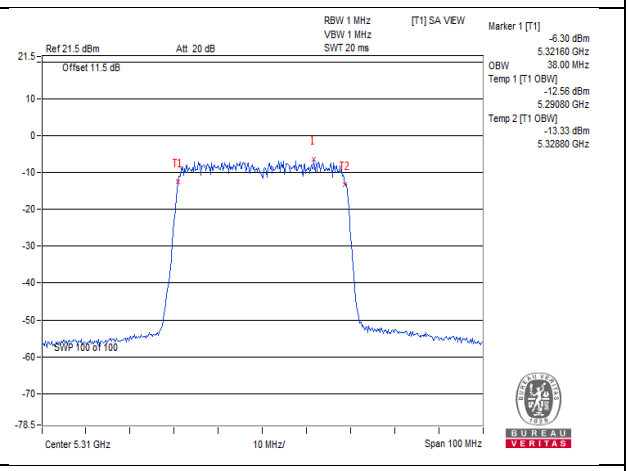
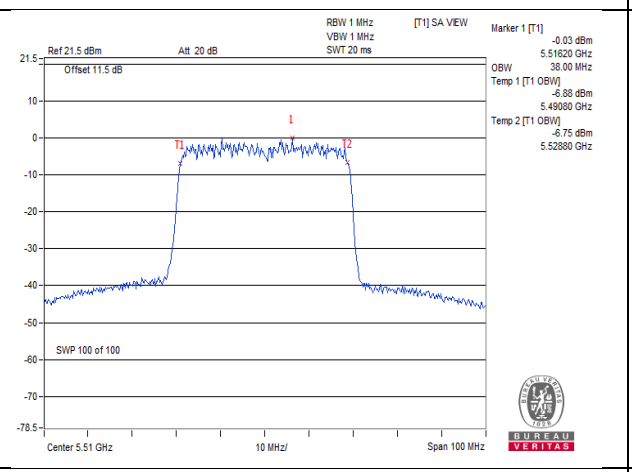
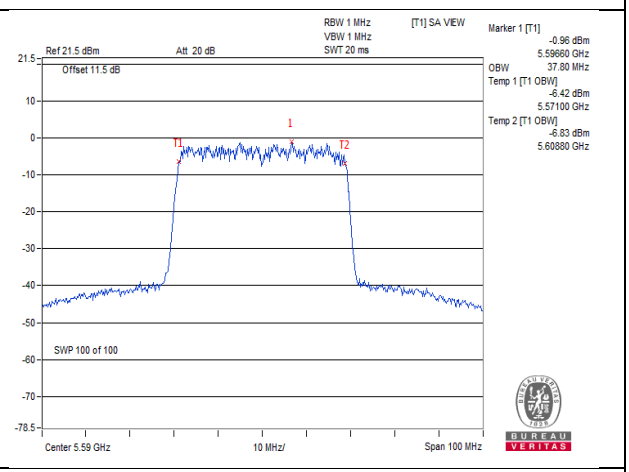
V_{normal}	
	
CH 38 (5190MHz)	CH 46 (5230MHz)
	
CH 54 (5270MHz)	CH 62 (5310MHz)
	
CH 102 (5510MHz)	CH 118 (5590MHz)

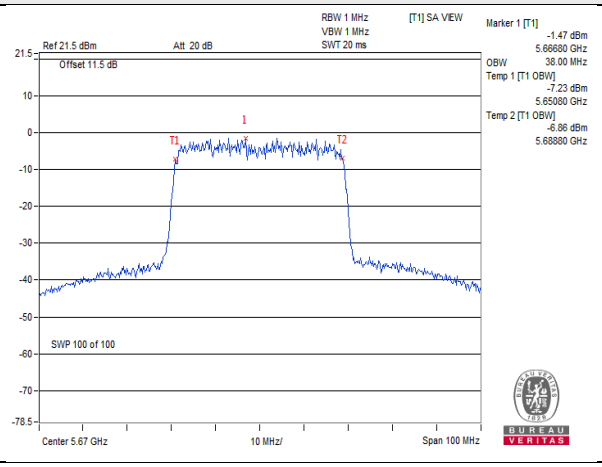
V_{normal}	
	
CH 134 (5670MHz)	

Chain 1

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
38	5190	38.00
46	5230	37.80
54	5270	38.00
62	5310	38.00
102	5510	38.00
118	5590	37.80
134	5670	38.00

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

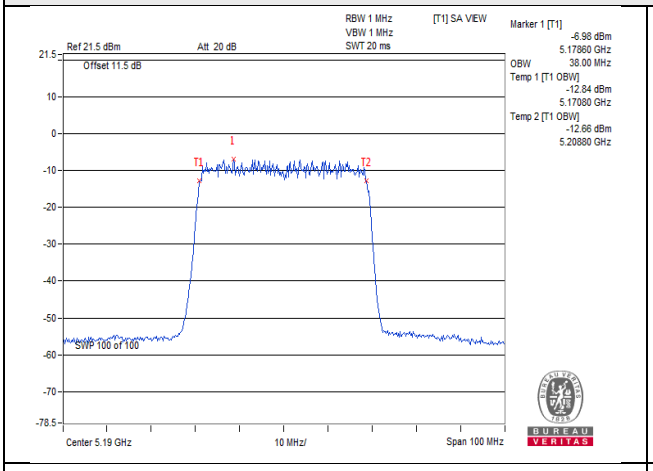
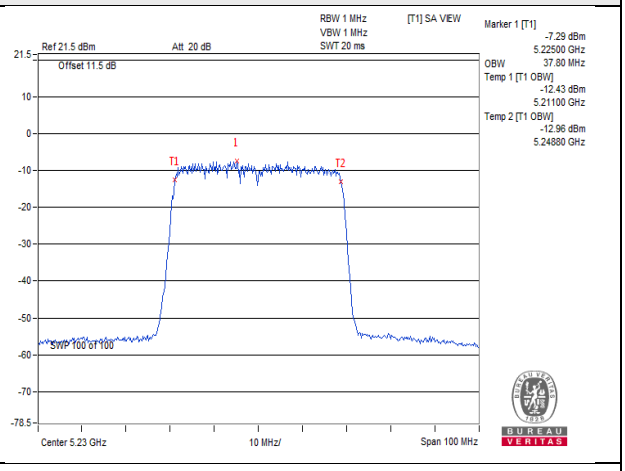
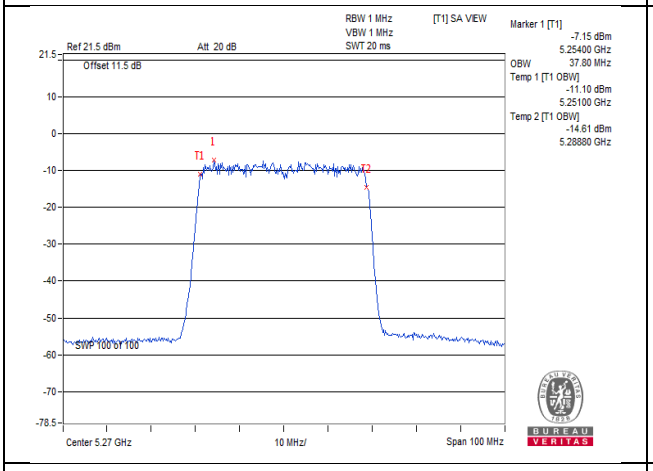
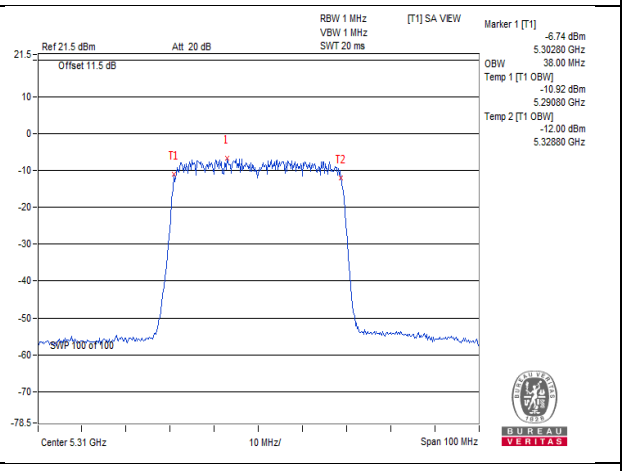
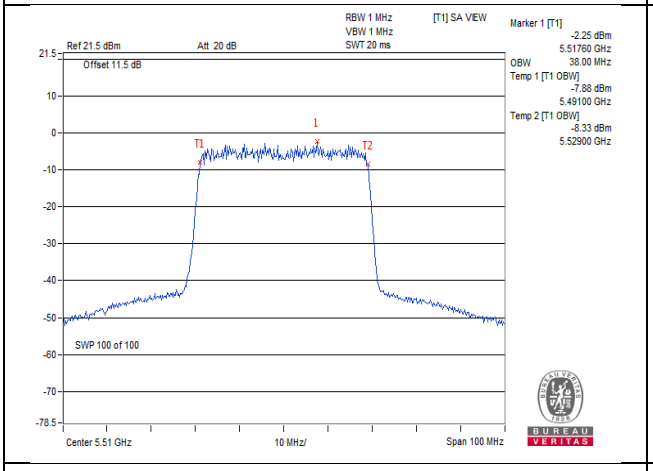
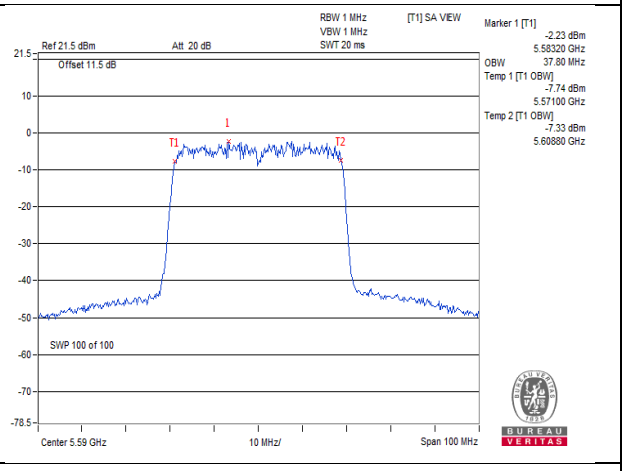
V_{normal}	
	
CH 38 (5190MHz)	CH 46 (5230MHz)
	
CH 54 (5270MHz)	CH 62 (5310MHz)
	
CH 102 (5510MHz)	CH 118 (5590MHz)

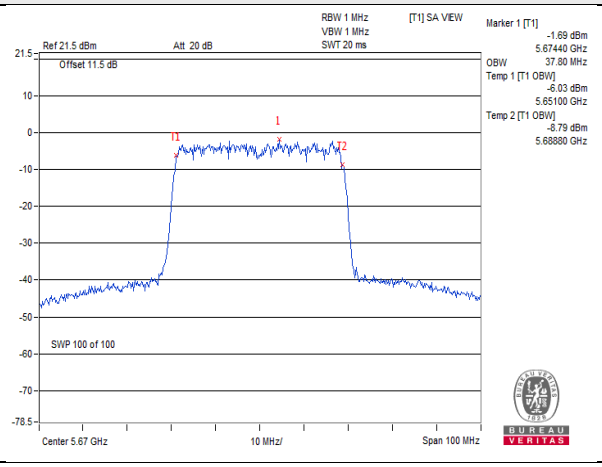
V_{normal}	
	
CH 134 (5670MHz)	

Chain 2

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
38	5190	38.00
46	5230	37.80
54	5270	37.80
62	5310	38.00
102	5510	38.00
118	5590	37.80
134	5670	37.80

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

V_{normal}	
	
CH 38 (5190MHz)	CH 46 (5230MHz)
	
CH 54 (5270MHz)	CH 62 (5310MHz)
	
CH 102 (5510MHz)	CH 118 (5590MHz)

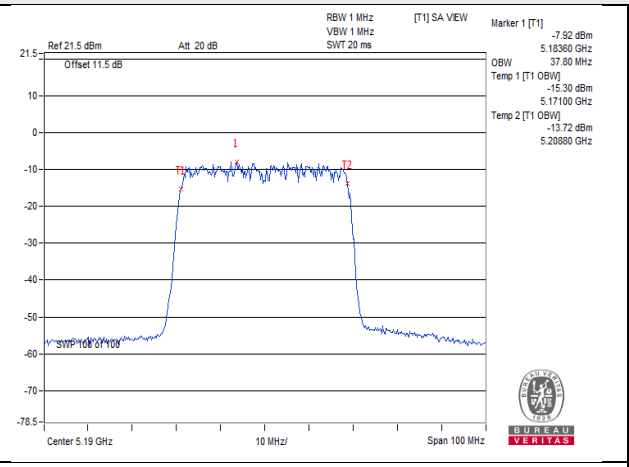
V_{normal}	
	
CH 134 (5670MHz)	

Chain 3

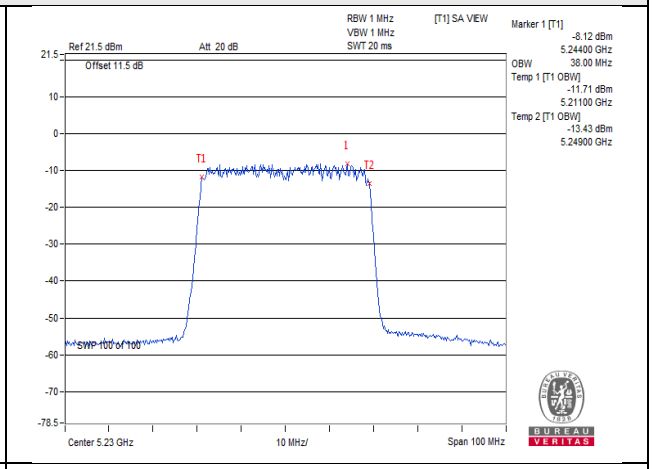
Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
38	5190	37.80
46	5230	38.00
54	5270	37.80
62	5310	38.00
102	5510	37.80
118	5590	38.00
134	5670	38.00

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

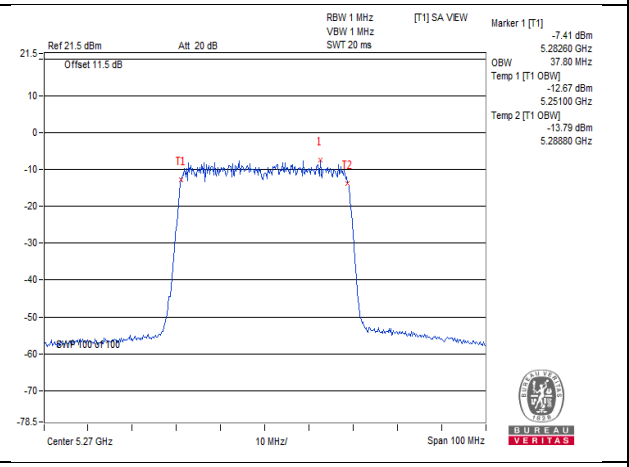
Vnormal



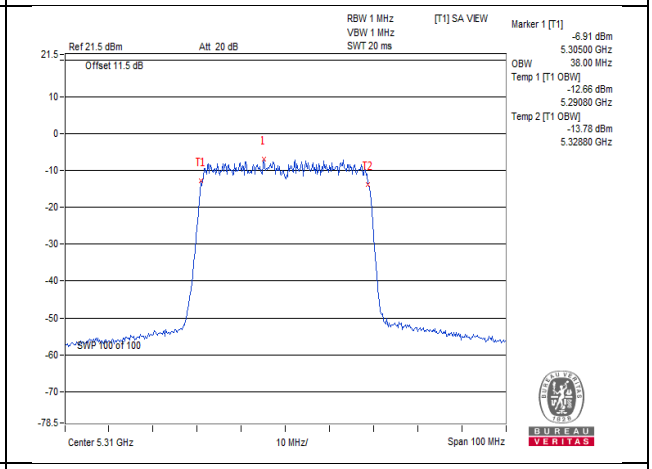
CH 38 (5190MHz)



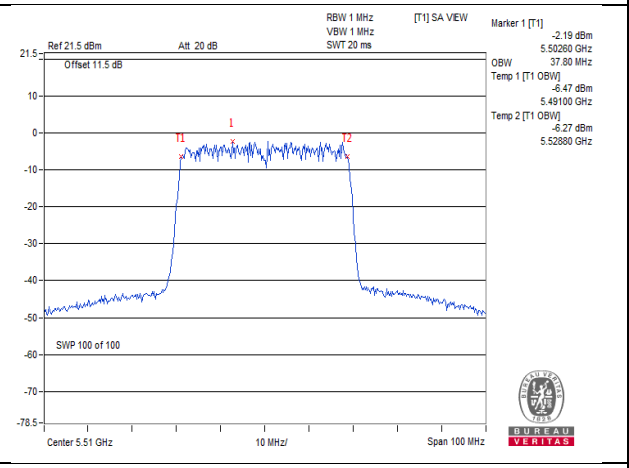
CH 46 (5230MHz)



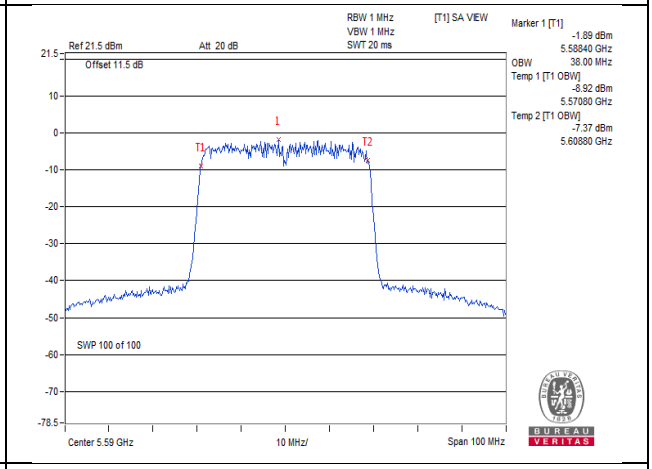
CH 54 (5270MHz)



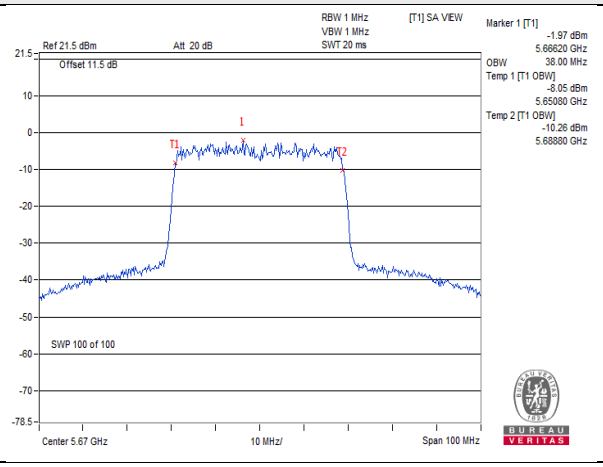
CH 62 (5310MHz)



CH 102 (5510MHz)



CH 118 (5590MHz)

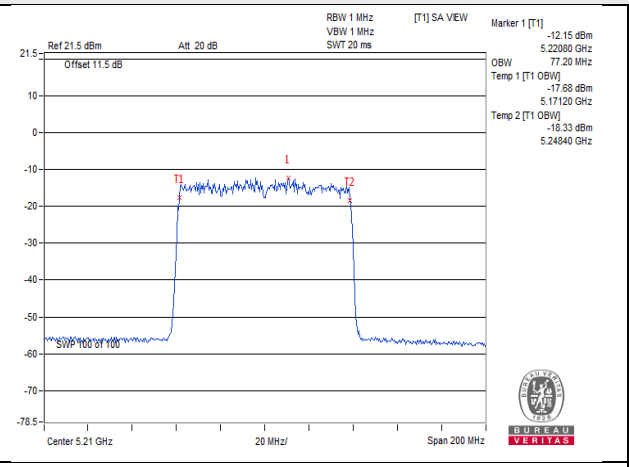
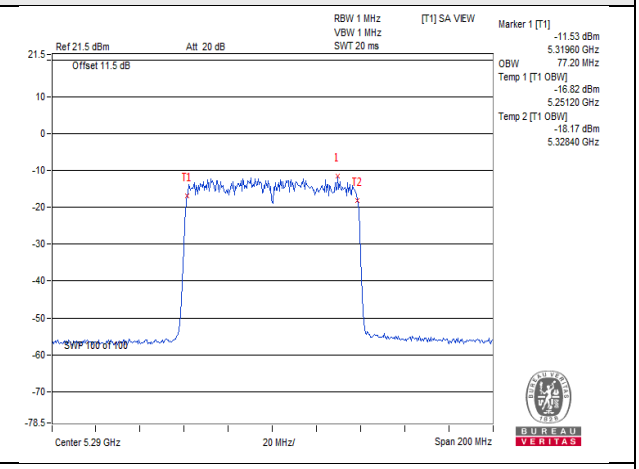
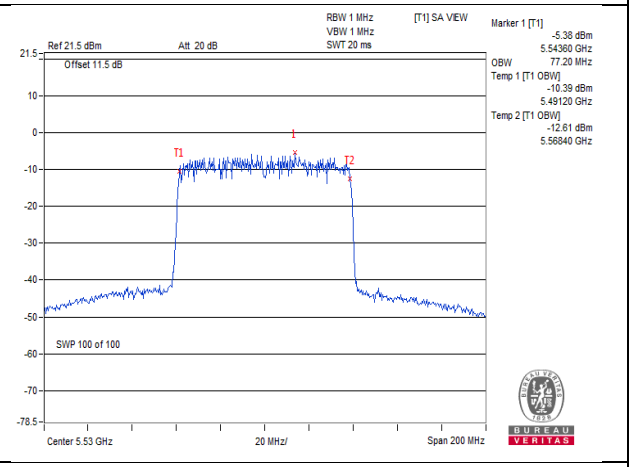
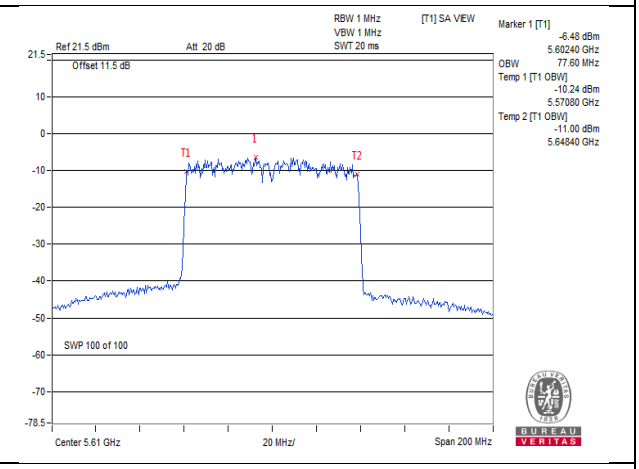
V_{normal}	
	
CH 134 (5670MHz)	

802.11ax (HE80)

Chain 0

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
42	5210	77.20
58	5290	77.20
106	5530	77.20
122	5610	77.60

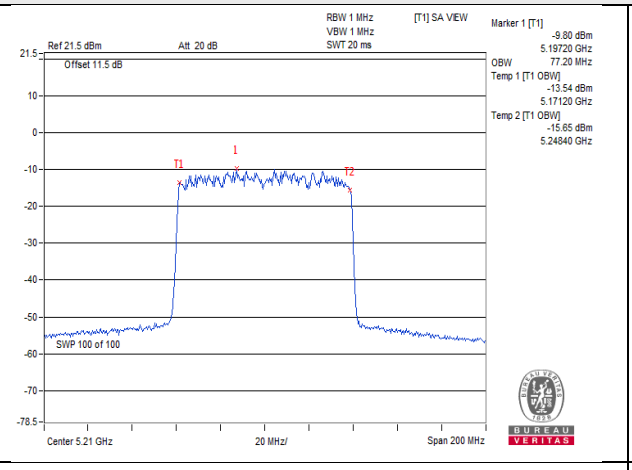
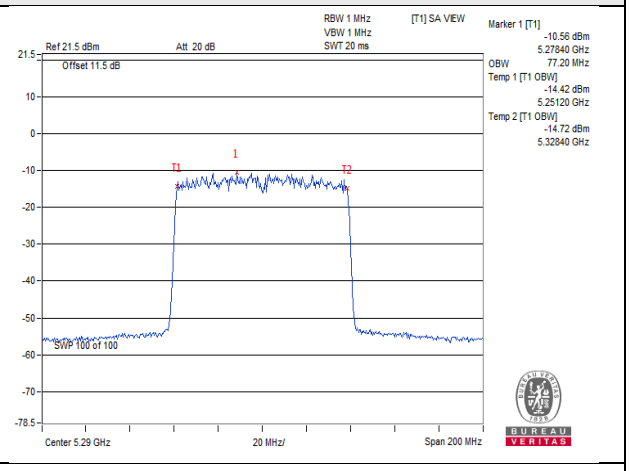
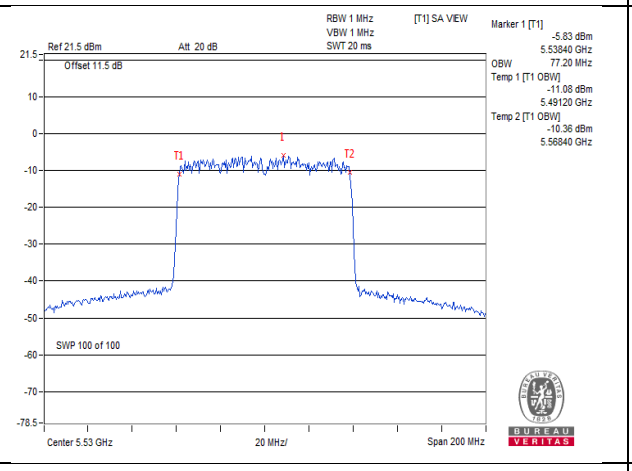
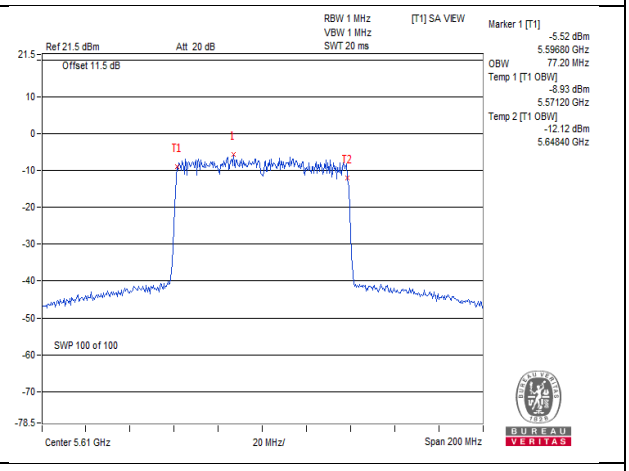
Note: For the test plots please refer to the below pages.

V_{normal}	
	
CH 42 (5210MHz)	CH 58 (5290MHz)
	
CH 106 (5530MHz)	CH 122 (5610MHz)

Chain 1

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
42	5210	77.20
58	5290	77.20
106	5530	77.20
122	5610	77.20

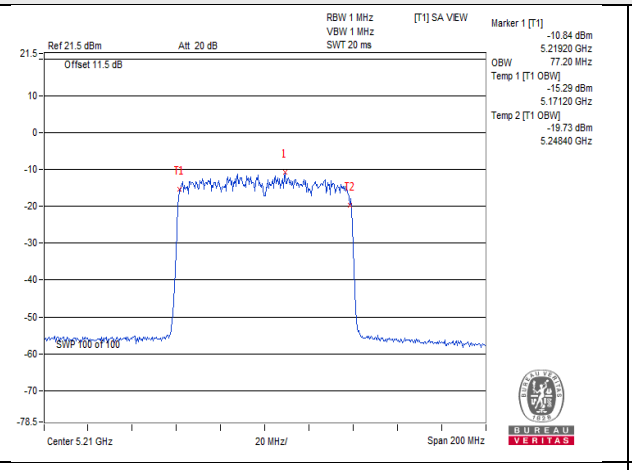
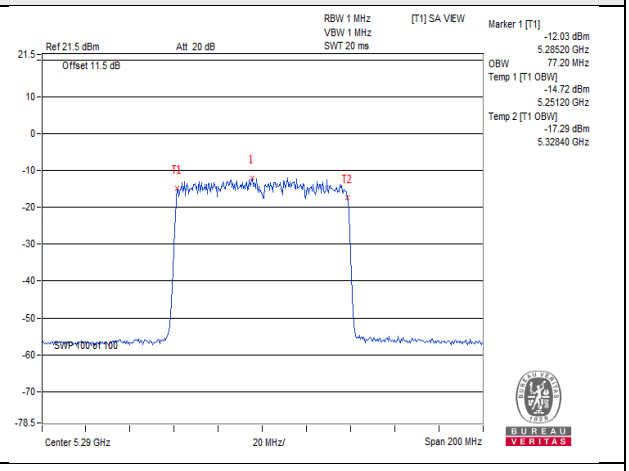
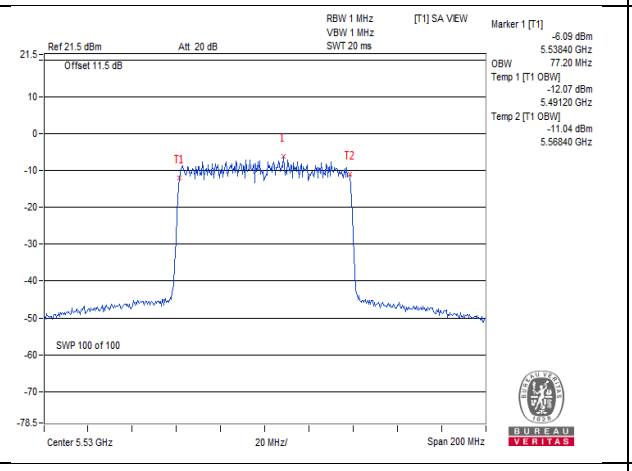
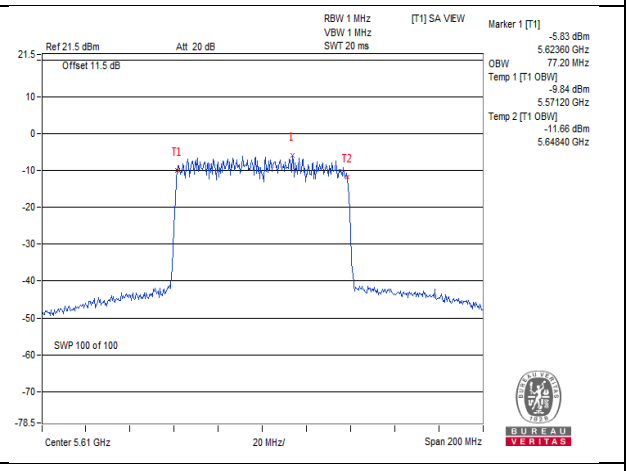
Note: For the test plots please refer to the below pages.

V_{normal}	
	
CH 42 (5210MHz)	CH 58 (5290MHz)
	
CH 106 (5530MHz)	CH 122 (5610MHz)

Chain 2

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
42	5210	77.20
58	5290	77.20
106	5530	77.20
122	5610	77.20

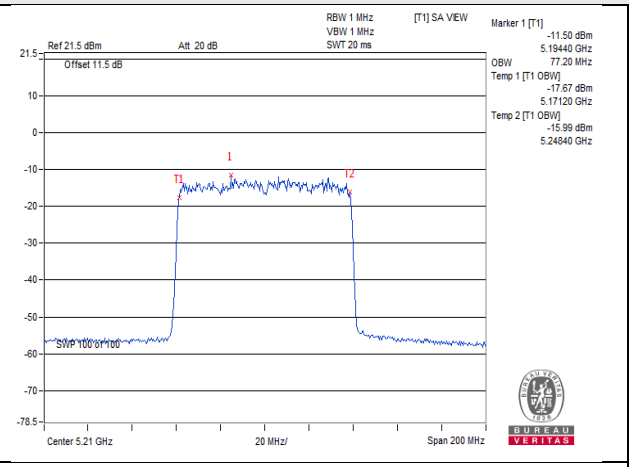
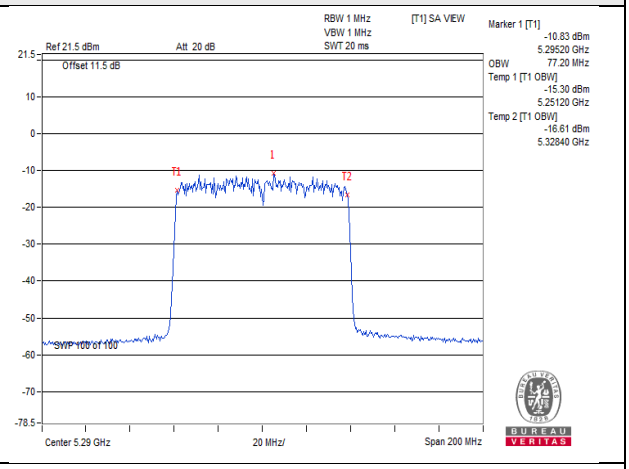
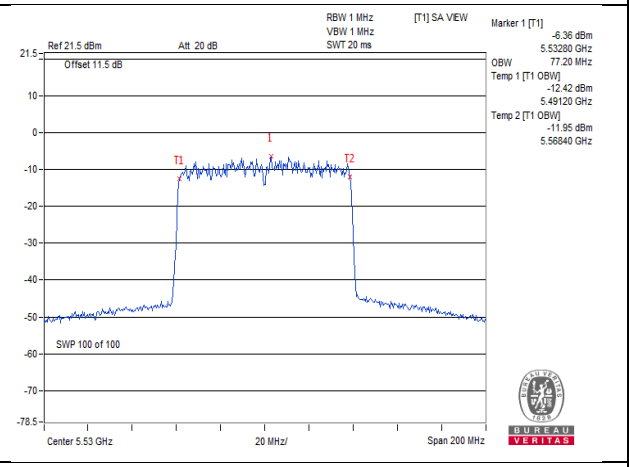
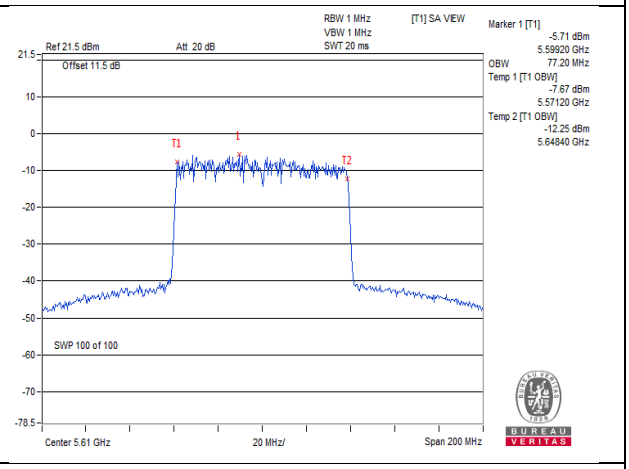
Note: For the test plots please refer to the below pages.

V_{normal}	
	
CH 42 (5210MHz)	CH 58 (5290MHz)
	
CH 106 (5530MHz)	CH 122 (5610MHz)

Chain 3

Channel	Frequency (MHz)	V_{normal}
		Occupied Bandwidth (MHz)
42	5210	77.20
58	5290	77.20
106	5530	77.20
122	5610	77.20

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

V_{normal}	
	
CH 42 (5210MHz)	CH 58 (5290MHz)
	
CH 106 (5530MHz)	CH 122 (5610MHz)

4.3 Spurious Emissions for Transmitter and Out-Band Leakage Power Measurement

4.3.1 Limits of Spurious Emissions and Out-Band Leakage Power

W52 bands: 802.11a / 802.11n (HT20) / 802.11ac (VHT20) / 802.11ax (HE20)

Frequencies (MHz)	Limit
OBW ≦ 18MHz	
30.0MHz to 1000.0MHz	≦ 0.25 uW/100kHz
1000.0MHz to 5140.0MHz	≦ 2.5 uW/MHz
5140.0 ≦ fo ≦ 5142.0MHz	≦ 2.5 uW/MHz
5142.0 < fo ≦ 5150.0MHz	≦ 15.0 uW/MHz
5250.0 ≦ fo < 5251.0MHz	≦ $10.0^{1-(f-9)}$ mW/MHz
5251.0 ≦ fo < 5260.0MHz	≦ $10.0^{-1-(8/90)(f-11)}$ mW/MHz
5260.0 ≦ fo < 5266.7MHz	≦ $10.0^{-1.8-(6/50)(f-20)}$ mW/MHz
5266.7 ≦ fo ≦ 5360.0MHz	≦ 2.5 µW/MHz
5360.0MHz to 26000.0MHz	≦ 2.5 uW/MHz
18MHz < OBW < 20MHz	
30.0MHz to 1000.0MHz	≦ 0.25 uW/100kHz
1000.0MHz to 5135.0MHz	≦ 2.5 uW/MHz
5135.0 ≦ fo ≦ 5142.0MHz	≦ 2.5 uW/MHz
5142.0 < fo ≦ 5150.0MHz	≦ 15.0 uW/MHz
5250.0 ≦ fo < 5250.2MHz	≦ $10.0^{-1-(8/3)(f-9.75)}$ mW/MHz
5250.2 ≦ fo < 5251.0MHz	≦ $10.0^{1-(f-9)}$ mW/MHz
5251.0 ≦ fo < 5260.0MHz	≦ $10.0^{-1-(8/90)(f-11)}$ mW/MHz
5260.0 ≦ fo < 5266.7MHz	≦ $10.0^{-1.8-(6/50)(f-20)}$ mW/MHz
5266.7 ≦ fo ≦ 5365.0MHz	≦ 2.5 µW/MHz
5365.0MHz to 26000.0MHz	≦ 2.5 uW/MHz

W53 bands: 802.11a / 802.11n (HT20) / 802.11ac (VHT20) / 802.11ax (HE20)

Frequencies (MHz)	Limit
OBW ≦ 18MHz	
30.0MHz to 1000.0MHz	≦ 0.25 uW/100kHz
1000.0MHz to 5135.0MHz	≦ 2.5 uW/MHz
5135.0 ≦ fo ≦ 5233.3MHz	≦ 2.5 µW/MHz
5233.3 < fo ≦ 5240.0MHz	≦ $10.0^{-1.8-(6/50)(f-20)}$mW/MHz
5240.0 < fo ≦ 5249.0MHz	≦ $10.0^{-1-(8/90)(f-11)}$ mW/MHz
5249.0 < fo ≦ 5250.0MHz	≦ $10.0^{1-(f-9)}$ mW/MHz
5350.0 ≦ fo ≦5365.0MHz	≦ 2.5 µW/MHz
5365.0MHz to 26000.0MHz	≦ 2.5 uW/MHz
18MHz < OBW < 20MHz	
30.0MHz to 1000.0MHz	≦ 0.25 uW/100kHz
1000.0MHz to 5135.0MHz	≦ 2.5 uW/MHz
5135.0 ≦ fo ≦ 5233.3MHz	≦ 2.5 µW/MHz
5233.3 < fo ≦ 5240.0MHz	≦ $10.0^{-1.8-(6/50)(f-20)}$mW/MHz
5240.0 < fo ≦ 5249.0MHz	≦ $10.0^{-1-(8/90)(f-11)}$ mW/MHz
5249.0 < fo ≦ 5249.8MHz	≦ $10.0^{1-(f-9)}$ mW/MHz
5249.8 < fo ≦ 5250.0MHz	≦ $10.0^{1-(8/3)(f-9.75)}$ mW/MHz
5350.0 ≦ fo ≦5365.0MHz	≦ 2.5 µW/MHz
5365.0MHz to 26000.0MHz	≦ 2.5 uW/MHz

W52 bands: 802.11n (HT40) / 802.11ac (VHT40) / 802.11ax (HE40)

Frequencies (MHz)	Limit
30.0MHz ~ 1000.0MHz	≦ 0.25 uW/100kHz
1000.0MHz ~ 5100.0MHz	≦ 2.5 uW/MHz
5100.0 ≦ fo ≦ 5141.6MHz	≦ 2.5 uW/MHz
5141.6 < fo ≦ 5150.0MHz	≦ 15.0 uW/MHz
5250.0 ≦ fo < 5251MHz	≦ $10.0^{-(f-20)+\log(1/2)}$ mW/MHz
5251 ≦ fo < 5270.0MHz	≦ $10.0^{-(8/190)(f-21)-1+\log(1/2)}$ mW/MHz
5270.0 ≦ fo < 5278.4MHz	≦ $10.0^{-(3/50)(f-40)-1.8+\log(1/2)}$ mW/MHz
5278.4 ≦ fo ≦ 5400.0MHz	≦ 2.5 µW/MHz
5400.0MHz ~ 26000.0MHz	≦ 2.5 uW/MHz

W53 bands: 802.11n (HT40) / 802.11ac (VHT40) / 802.11ax (HE40)

Frequencies (MHz)	Limit
30.0MHz ~ 1000.0MHz	≦ 0.25 uW/100kHz
1000.0MHz ~ 5100.0MHz	≦ 2.5 uW/MHz
5100.0 ≦ fo ≦ 5210.0MHz	≦ 2.5 μW/MHz
5210.0 < fo ≦ 5221.6MHz	≦ 2.5 μW/MHz
5221.6 < fo ≦ 5230.0MHz	≦ $10.0^{-(3/50)(f-40)-1.8+\log(1/2)}$ mW/MHz
5230.0 < fo ≦ 5249.0MHz	≦ $10.0^{-(8/190)(f-21)-1+\log(1/2)}$ mW/MHz
5249.0 < fo ≦5250.0MHz	≦ $10.0^{-(f-20)+\log(1/2)}$ mW/MHz
5350.0 ≦ fo < 5358.4MHz	≦ 15 μW/MHz
5358.4 ≦ fo ≦5400.0MHz	≦ 2.5 μW/MHz
5400.0MHz ~ 26000.0MHz	≦ 2.5 uW/MHz

W52 bands: 802.11ac (VHT80) / 802.11ax (HE80)

Frequencies (MHz)	Limit
30.0MHz ~ 1000.0MHz	≦ 0.25 uW/100kHz
1000.0MHz ~ 5020.0MHz	≦ 2.5 uW/MHz
5020.0 ≦ fo ≦ 5123.2MHz	≦ 2.5 uW/MHz
5123.2 < fo ≦ 5150.0MHz	≦ 15.0 uW/MHz
5250.0 ≦ fo < 5251.0MHz	≦ $10.0^{-(f-40)+\log(1/4)}$ mW/MHz
5251.0 ≦ fo < 5290.0MHz	≦ $10.0^{-(8/390)(f-41)-1+\log(1/4)}$ mW/MHz
5290.0 ≦ fo < 5296.7MHz	≦ $10.0^{-(3/100)(f-80)-1.8+\log(1/4)}$ mW/MHz
5296.7 ≦ fo ≦ 5480.0MHz	≦ 2.5 μW/MHz
5480.0MHz ~ 26000.0MHz	≦ 2.5 uW/MHz

W53 bands: 802.11ac (VHT80) / 802.11ax (HE80)

Frequencies (MHz)	Limit
30.0MHz ~ 1000.0MHz	≦ 0.25 uW/100kHz
1000.0MHz ~ 5020.0MHz	≦ 2.5 uW/MHz
5020.0 ≦ fo ≦ 5203.3MHz	≦ 2.5 μW/MHz
5203.3 < fo ≦ 5210.0MHz	≦ $10.0^{-(3/100)(f-80)-1.8+\log(1/4)}$ mW/MHz
5210.0 < fo ≦ 5249.0MHz	≦ $10.0^{-(8/390)(f-41)-1+\log(1/4)}$ mW/MHz
5249.0 < fo ≦5250.0MHz	≦ $10.0^{-(f-40)+\log(1/4)}$ mW/MHz
5350.0 ≦ fo < 5376.8MHz	≦ 15 μW/MHz
5376.8 ≦ fo ≦5480.0MHz	≦ 2.5 μW/MHz
5480.0MHz ~ 26000.0MHz	≦ 2.5 uW/MHz

W56 band: 802.11a / 802.11n (HT20) / 802.11ac (VHT20) / 802.11ax (HE20)

Frequencies (MHz)	Limit
OFDM	
30.0MHz to 1000.0MHz	≦ 0.25 uW/100kHz
1000.0MHz ~ 5455.0MHz	≦ 2.5 uW/MHz
5455 ≦ fo ≦ 5460MHz	≦ 2.5 μW/MHz
5460 < fo ≦ 5470MHz	≦ 12.5 μW/MHz
5745 ≦ fo < 5765MHz	≦ 12.5 μW/MHz
5765≦ fo ≦ 5770MHz	≦ 2.5 μW/MHz
5770.0MHz ~ 26000.0MHz	≦ 2.5 uW/MHz

W56 band: 802.11n (HT40) / 802.11ac (VHT40) / 802.11ax (HE40)

Frequencies (MHz)	Limit
30.0MHz to 1000.0MHz	≦1.25 uW/100kHz
1000.0MHz ~ 5420.0MHz	≦12.5uW/MHz
5420 ≦ fo ≦ 5460MHz	≦ 12.5 μW/MHz
5460 < fo ≦ 5470MHz	≦ 50 μW/MHz
5770 ≦ fo ≦ 5800MHz	≦ 12.5 μW/MHz
5800.0MHz ~ 26000.0MHz	≦ 12.5 uW/MHz

W56 band: 802.11ac (VHT80) / 802.11ax (HE80)

Frequencies (MHz)	Limit
30.0MHz to 1000.0MHz	≦ 1.25 uW/100kHz
1000.0MHz ~ 5340.0MHz	≦12.5 uW/MHz
5340 ≦ fo ≦ 5460MHz	≦ 12.5 μW/MHz
5460 < fo ≦ 5469.5MHz	≦ 50 μW/MHz
5469.5 < fo ≦ 5470MHz	≦ 51.2 μW/MHz
5770 ≦ fo ≦ 5800MHz	≦ 12.5 μW/MHz
5800.0MHz ~ 26000.0MHz	≦12.5 uW/MHz

4.3.2 Teset Setup



4.3.3 Test Results

3TX

W52 & W53 Bands:

802.11a

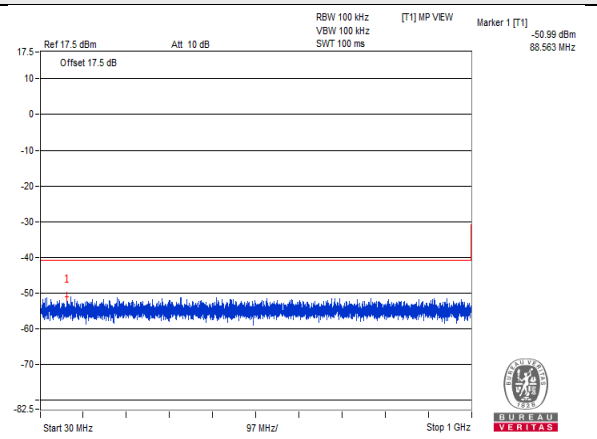
Chain 0

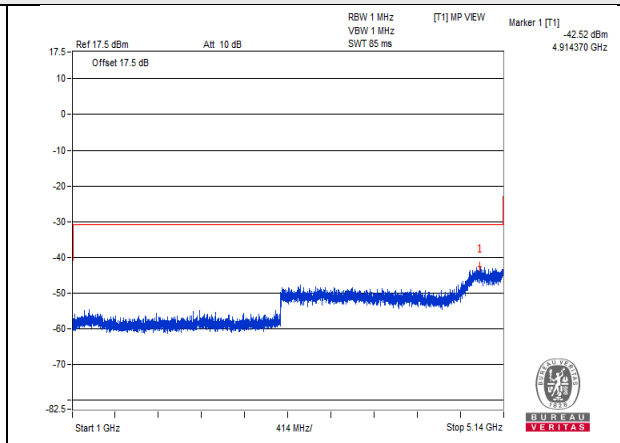
Test Channel		CH 36 (5180MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	88.563	0.007962	0.083	Pass
	1000.0 to 5140.0	4914.370	0.055976	0.833	Pass
	5140.0 to 5142.0	5140.632	0.174181	0.833	Pass
	5142.0 to 5150.0	5149.790	0.753356	5.000	Pass
	5250.0 to 5251.0	5250.770	0.140929	56.608	Pass
	5251.0 to 5260.0	5256.737	0.172187	10.302	Pass
	5260.0 to 5266.7	5260.367	0.149279	4.775	Pass
	5266.7 to 5360.0	5344.352	0.162181	0.833	Pass
	5360.0 to 26000.0	25775.540	0.688652	0.833	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	318.817	0.010139	0.083	Pass
	1000.0 to 5140.0	5078.417	0.050816	0.833	Pass
	5140.0 to 5142.0	5141.897	0.133968	0.833	Pass
	5142.0 to 5150.0	5145.995	0.154525	5.000	Pass
	5250.0 to 5251.0	5250.165	19.330256	227.971	Pass(1)
	5251.0 to 5260.0	5251.072	2.990634	32.846	Pass(2)
	5260.0 to 5266.7	5260.560	2.857591	4.527	Pass
	5266.7 to 5360.0	5269.030	0.578096	0.833	Pass
	5360.0 to 26000.0	25669.760	0.688652	0.833	Pass

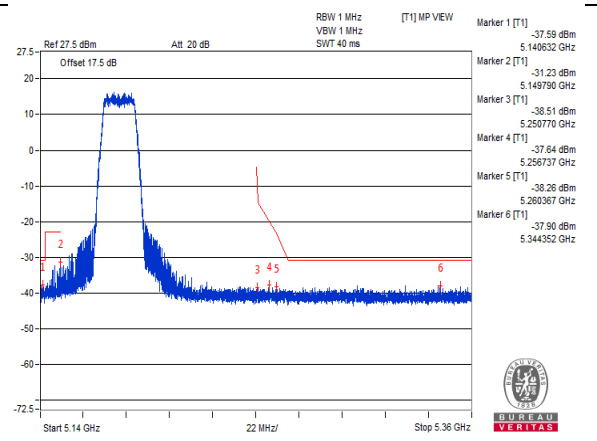
Note: 1. The spectrum plots are attached on the following pages.

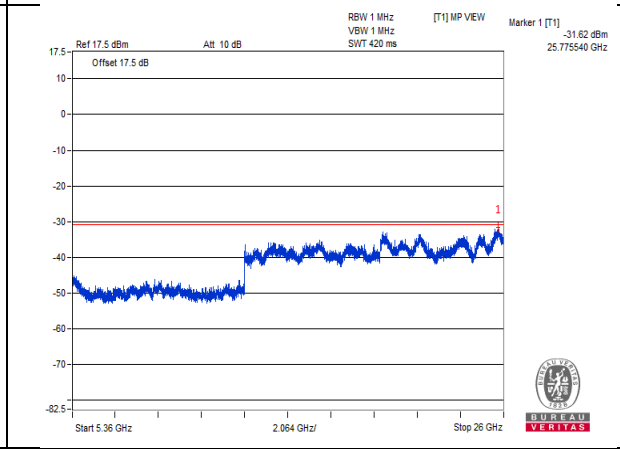
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



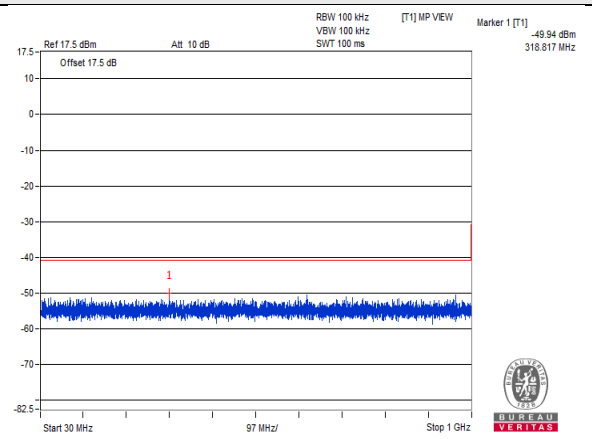


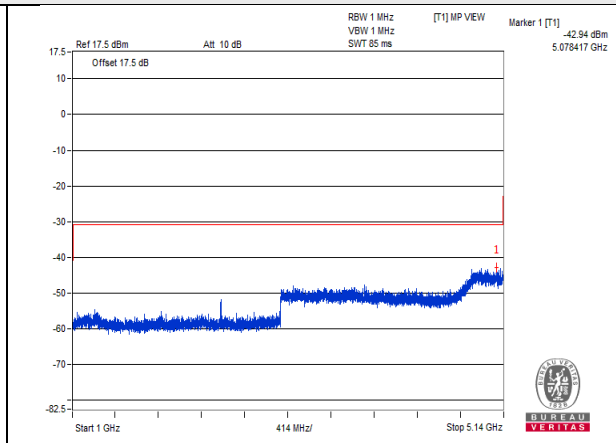


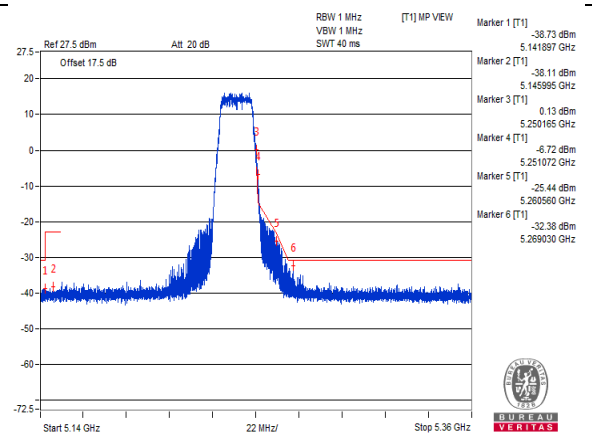


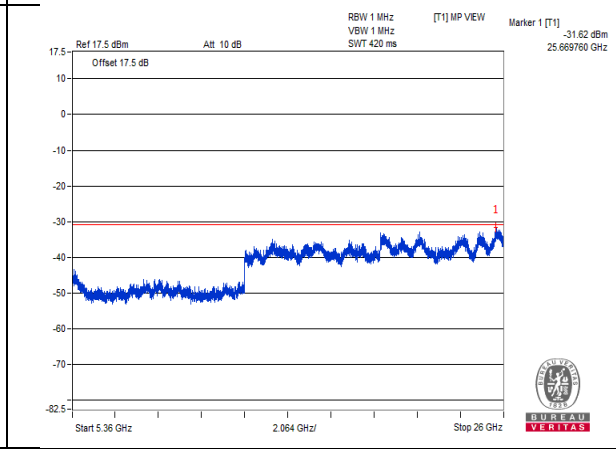
CH 36 (5180MHz)

Vnormal

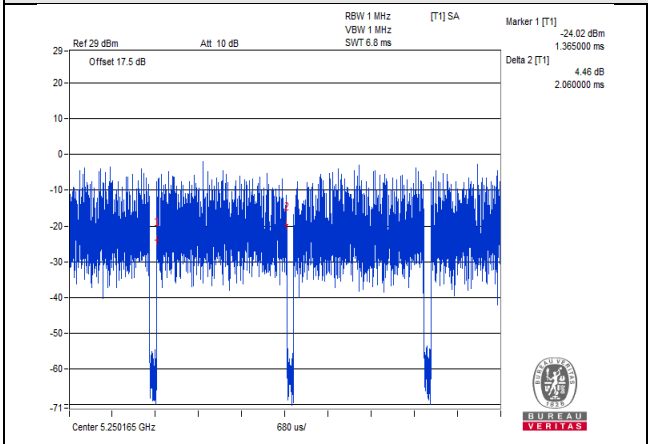
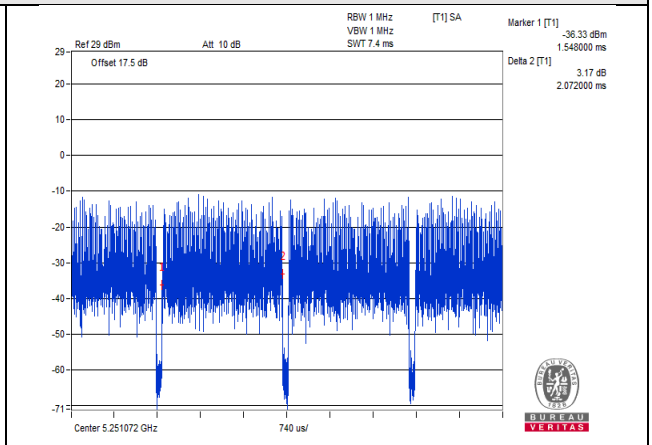








CH 48 (5240MHz)

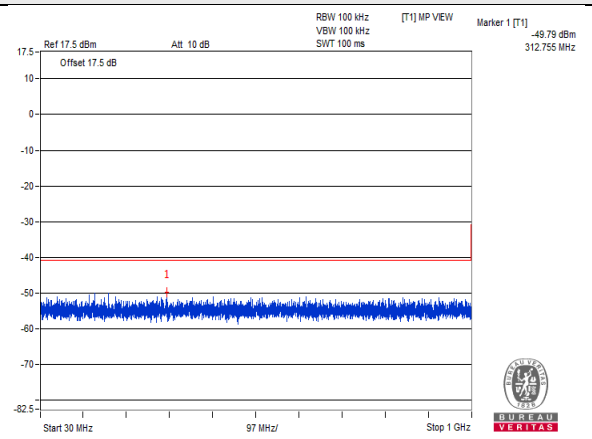
Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the “dBm” value into “uW” value. 3. It adds the all values and calculates a grand total. Define a grand total as “P”. 4. It divides “P” by sample data point (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5250.165MHz	P = 19.330256uW	2	5251.072MHz	P = 2.990634uW

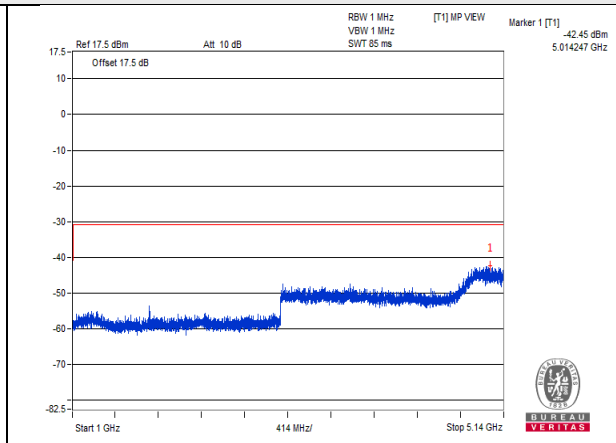
Test Channel		CH 52 (5260MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	312.755	0.010495	0.083	Pass
	1000.0 to 5140.0	5014.247	0.056885	0.833	Pass
	5140.0 to 5233.3	5229.320	0.009699	0.833	Pass(1)
	5233.3 to 5240.0	5239.165	0.037850	4.197	Pass(2)
	5240.0 to 5249.0	5248.982	7.138980	33.211	Pass(3)
	5249.0 to 5250.0	5250.000	42.517928	333.333	Pass(4)
	5350.0 to 5360.0	5357.277	0.161065	0.833	Pass
	5360.0 to 26000.0	25682.660	0.704693	0.833	Pass
Test Channel		**CH 64 (5320MHz)**			
V_{normal}	30.0 to 1000.0	442.613	0.008730	0.083	Pass
	1000.0 to 5140.0	4906.607	0.048084	0.833	Pass
	5140.0 to 5233.3	5198.245	0.206538	0.833	Pass
	5233.3 to 5240.0	5234.985	0.189234	1.326	Pass
	5240.0 to 5249.0	5244.472	0.159588	13.194	Pass
	5249.0 to 5250.0	5249.312	0.139959	68.372	Pass
	5350.0 to 5360.0	5351.860	0.822243	0.833	Pass
	5360.0 to 26000.0	25765.220	0.731139	0.833	Pass

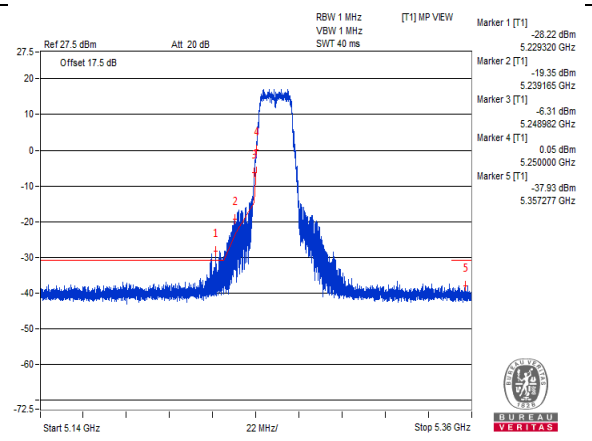
Note: 1. The spectrum plots are attached on the following pages.

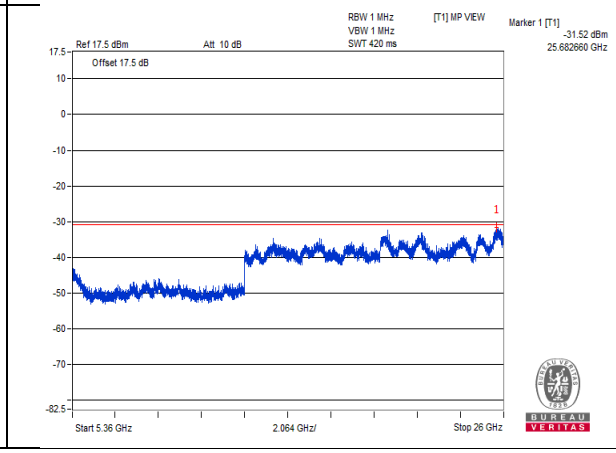
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



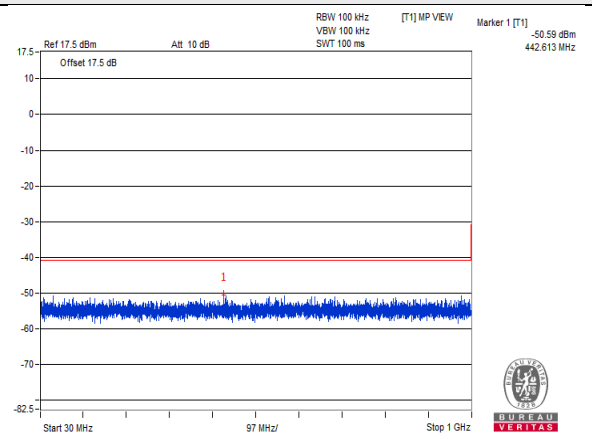


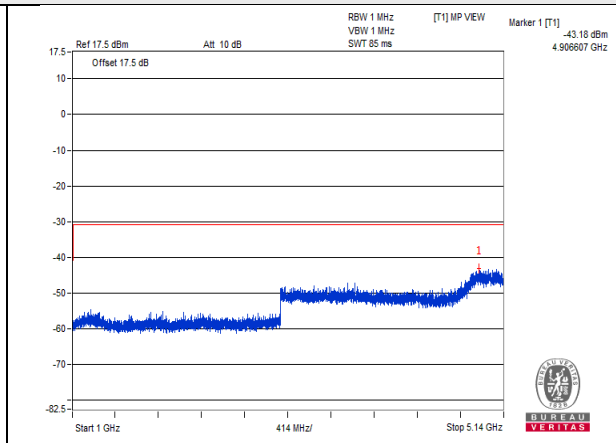


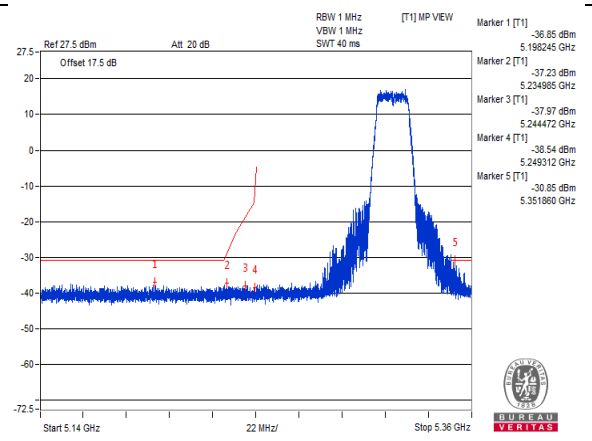


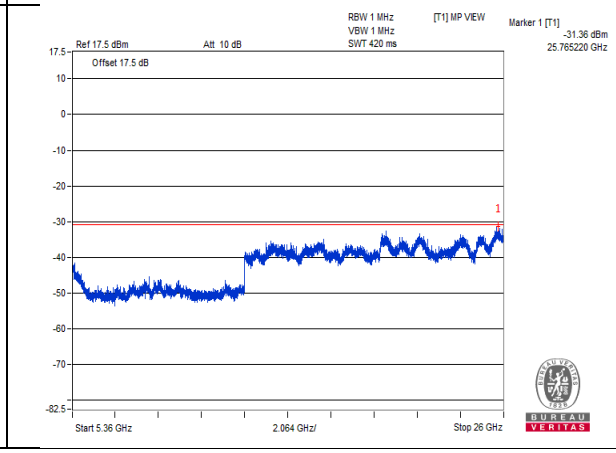
CH 52 (5260MHz)

Vnormal





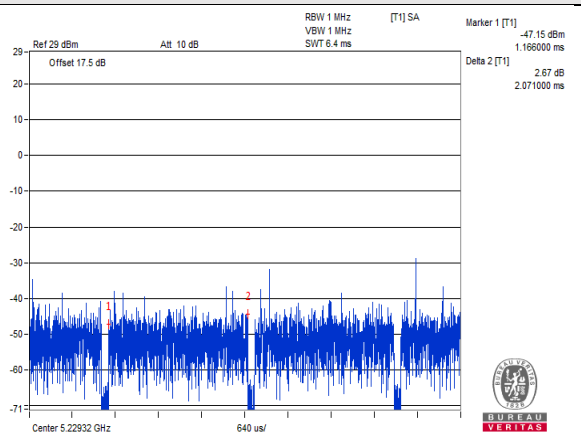




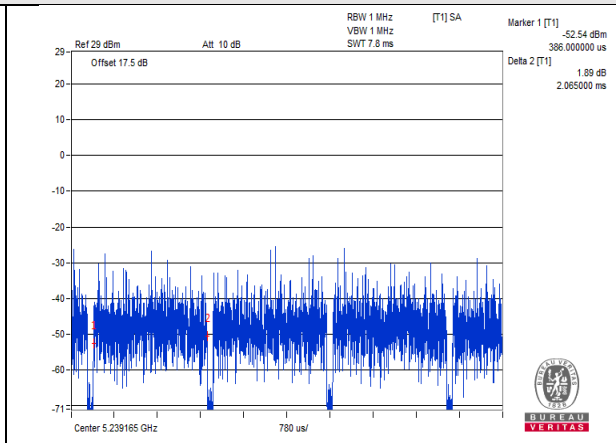
CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

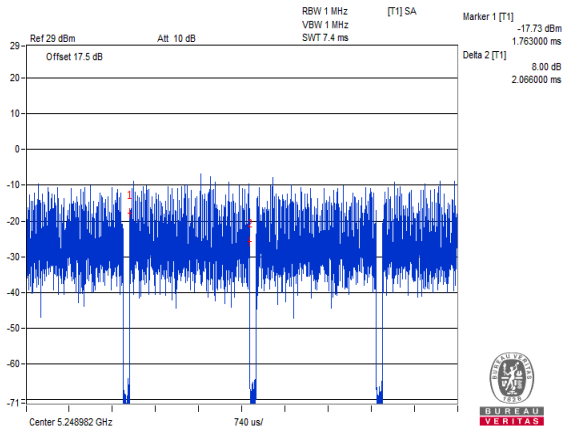
Vnormal



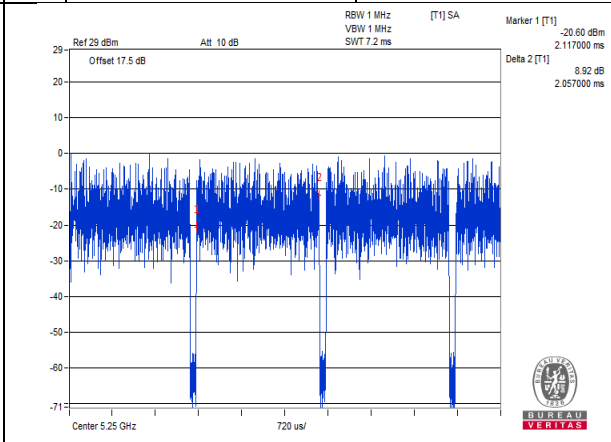
1	5229.320MHz	P = 0.009699uW



2	5239.165MHz	P = 0.03785uW



3	5248.982MHz	P = 7.13898uW



4	5250.000MHz	P = 42.517928uW

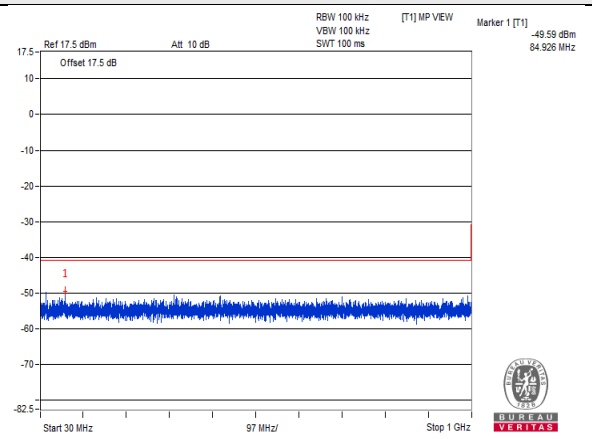
Chain 1

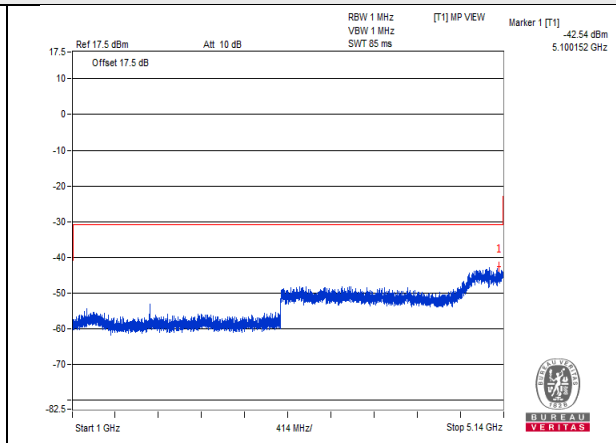
Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	84.926	0.010990	0.083	Pass
	1000.0 to 5140.0	5100.152	0.055719	0.833	Pass
	5140.0 to 5142.0	5141.347	0.193197	0.833	Pass
	5142.0 to 5150.0	5149.955	0.647143	5.000	Pass
	5250.0 to 5251.0	5250.275	0.115345	176.961	Pass
	5251.0 to 5260.0	5253.465	0.159956	20.126	Pass
	5260.0 to 5266.7	5265.565	0.148936	1.139	Pass
	5266.7 to 5360.0	5343.720	0.152405	0.833	Pass
	5360.0 to 26000.0	25775.540	0.822243	0.833	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	304.873	0.010023	0.083	Pass
	1000.0 to 5140.0	4845.542	0.052360	0.833	Pass
	5140.0 to 5142.0	5141.622	0.165196	0.833	Pass
	5142.0 to 5150.0	5147.755	0.170608	5.000	Pass
	5250.0 to 5251.0	5250.055	22.540776	293.683	Pass(1)
	5251.0 to 5260.0	5251.000	3.447581	33.333	Pass(2)
	5260.0 to 5266.7	5260.587	3.741106	4.494	Pass
	5266.7 to 5360.0	5267.407	0.704693	0.833	Pass
	5360.0 to 26000.0	25798.760	0.824138	0.833	Pass

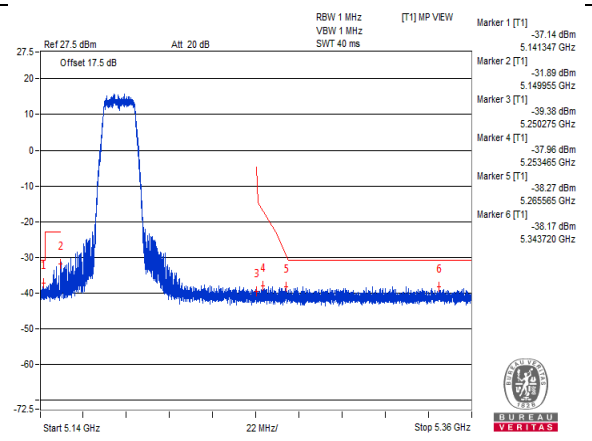
Note: 1. The spectrum plots are attached on the following pages.

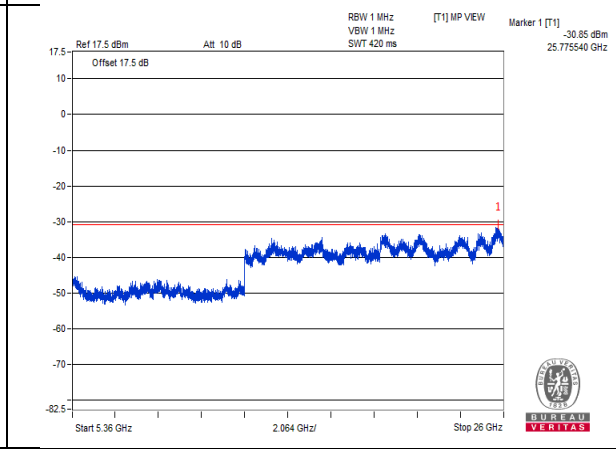
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



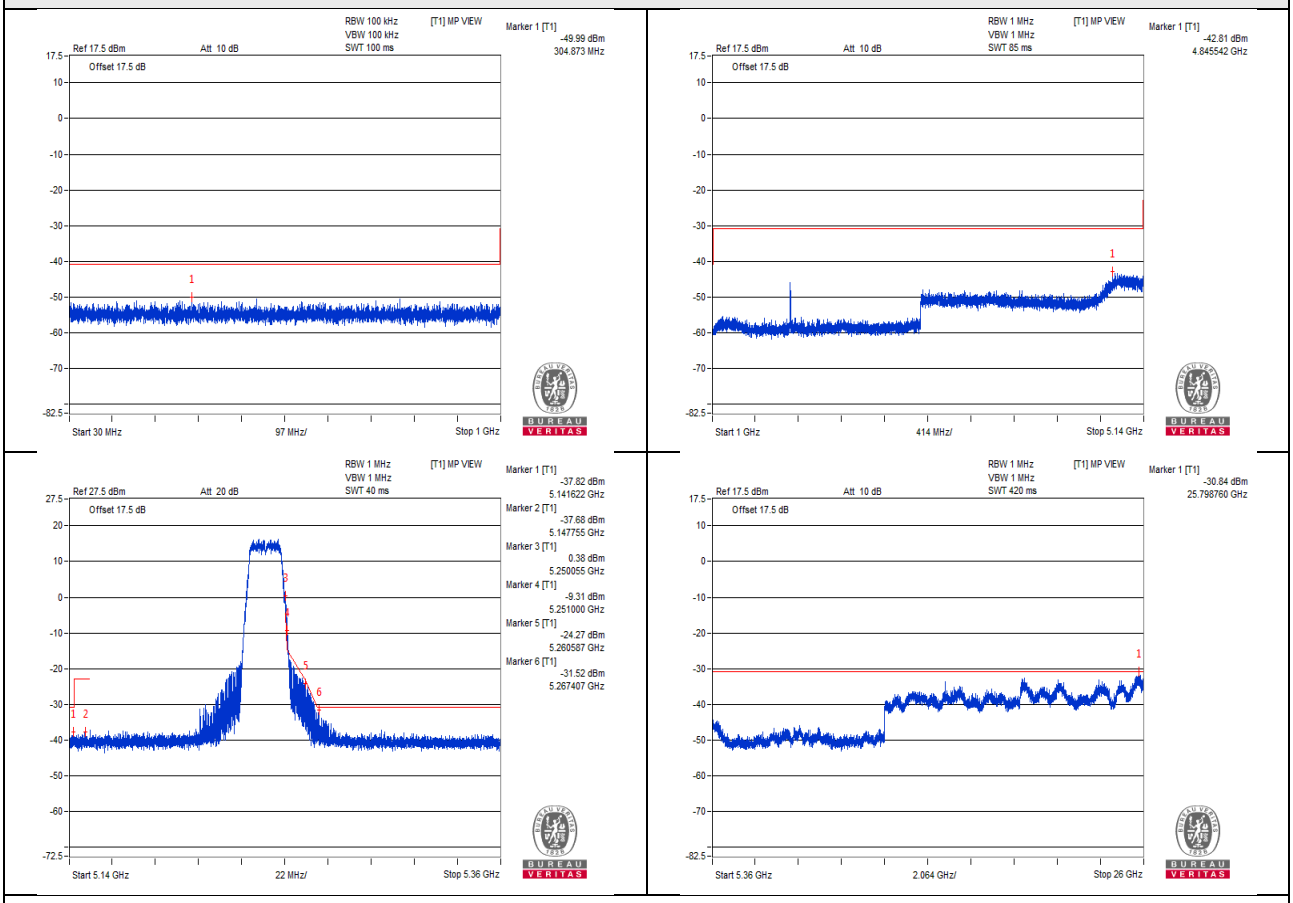






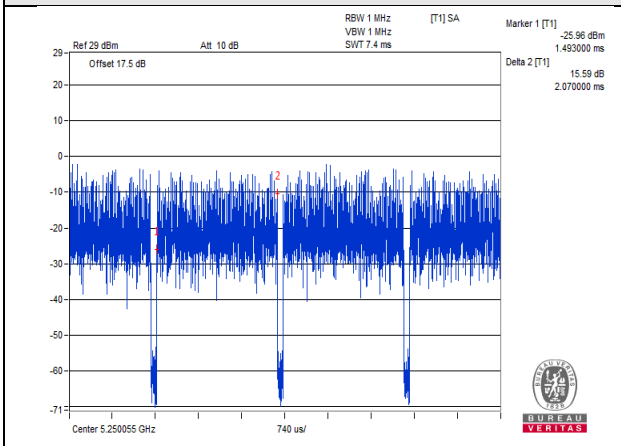
CH 36 (5180MHz)

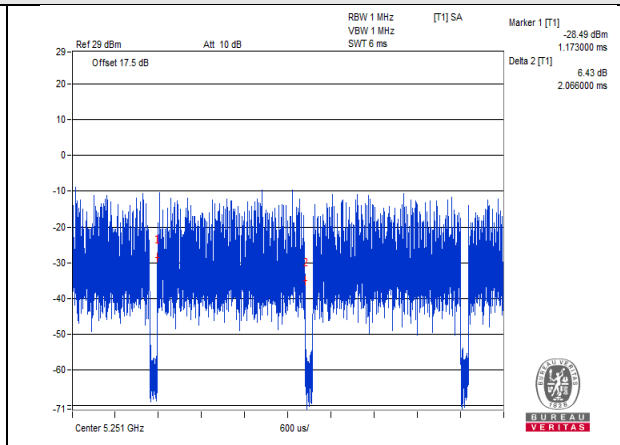
Vnormal



CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





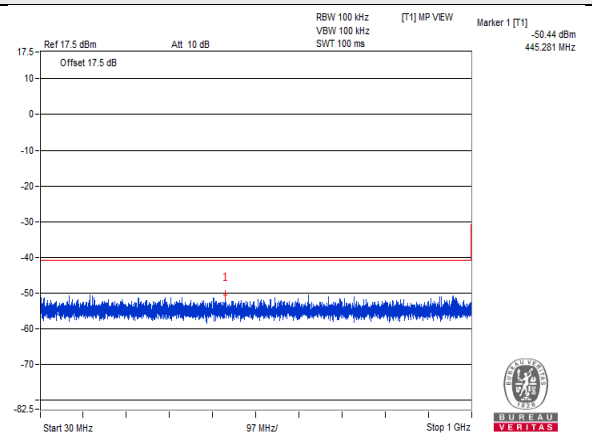
1	5250.055MHz	P = 22.540776uW	2	5251.000MHz	P = 3.447581uW

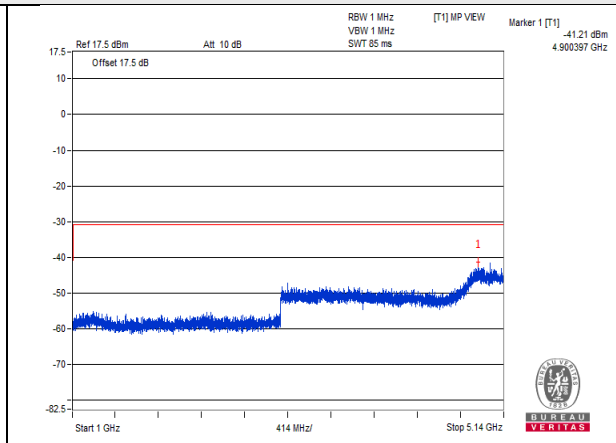
Test Channel		CH 52 (5260MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	445.281	0.009036	0.083	Pass
	1000.0 to 5140.0	4900.397	0.075683	0.833	Pass
	5140.0 to 5233.3	5229.650	0.009378	0.833	Pass(1)
	5233.3 to 5240.0	5239.440	0.030695	4.527	Pass(2)
	5240.0 to 5249.0	5248.927	4.916966	32.839	Pass(3)
	5249.0 to 5250.0	5250.000	38.446920	333.333	Pass(4)
	5350.0 to 5360.0	5355.105	0.157398	0.833	Pass
	5360.0 to 26000.0	25873.580	0.653131	0.833	Pass
Test Channel		CH 64 (5320MHz)			
V_{normal}	30.0 to 1000.0	639.766	0.009120	0.083	Pass
	1000.0 to 5140.0	5054.095	0.047973	0.833	Pass
	5140.0 to 5233.3	5229.925	0.206538	0.833	Pass
	5233.3 to 5240.0	5239.687	0.148594	4.846	Pass
	5240.0 to 5249.0	5242.575	0.180302	8.949	Pass
	5249.0 to 5250.0	5249.092	0.165577	41.198	Pass
	5350.0 to 5360.0	5350.815	0.008312	0.833	Pass(5)
	5360.0 to 26000.0	25615.580	0.726106	0.833	Pass

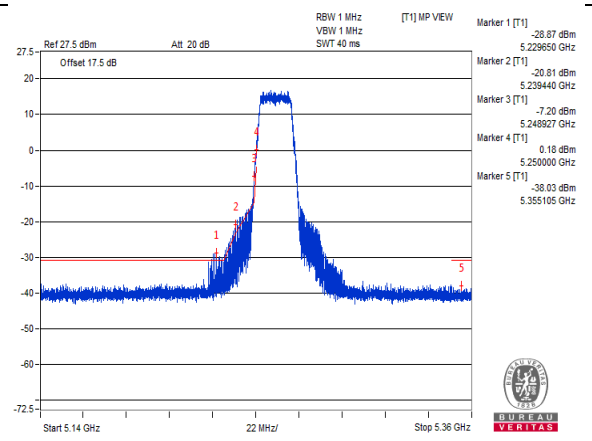
Note: 1. The spectrum plots are attached on the following pages.

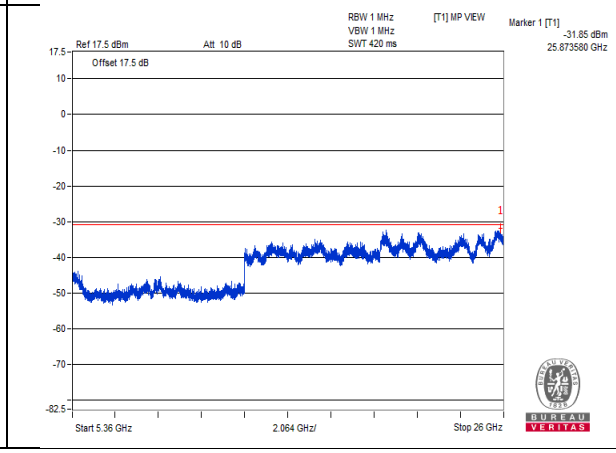
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



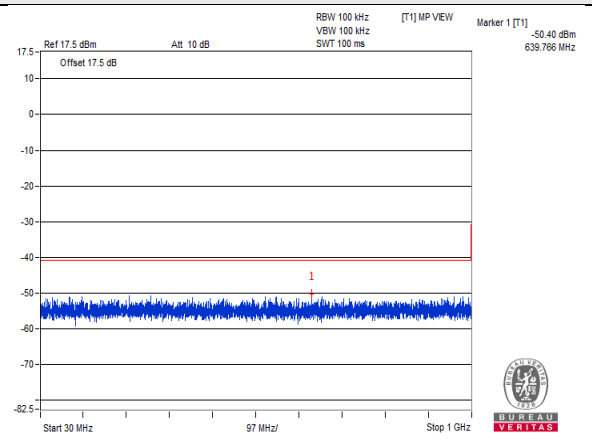


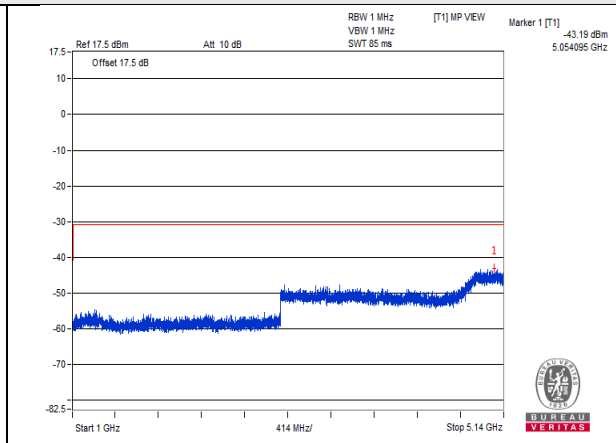


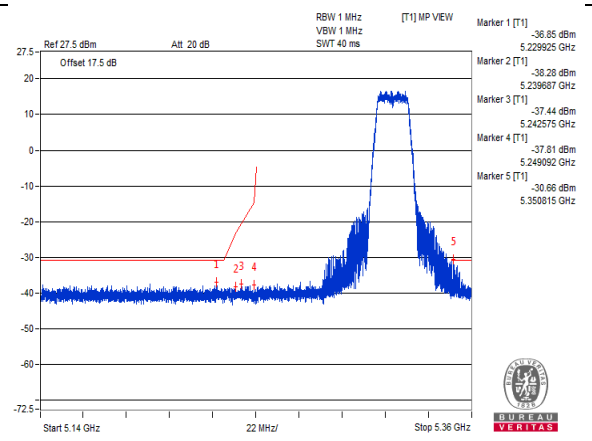


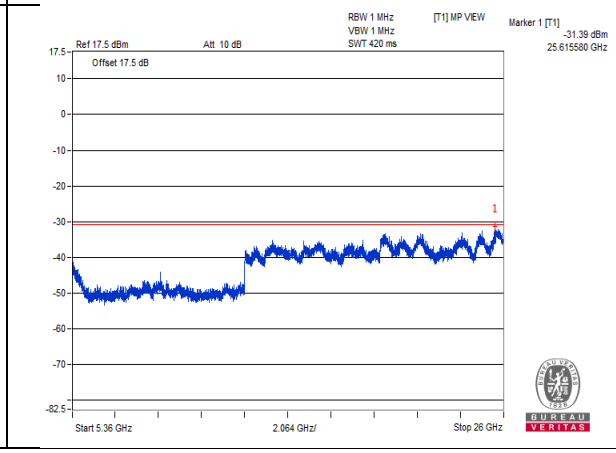
CH 52 (5260MHz)

Vnormal

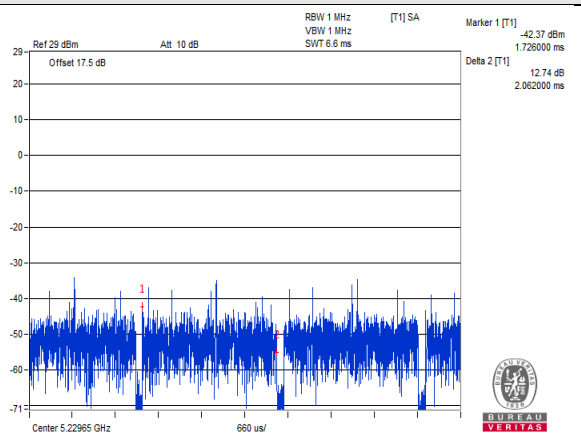
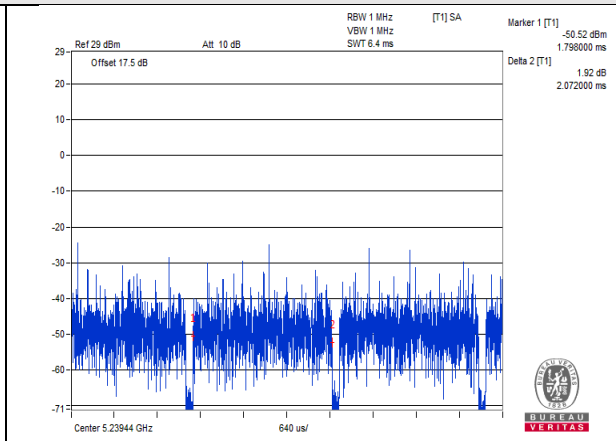
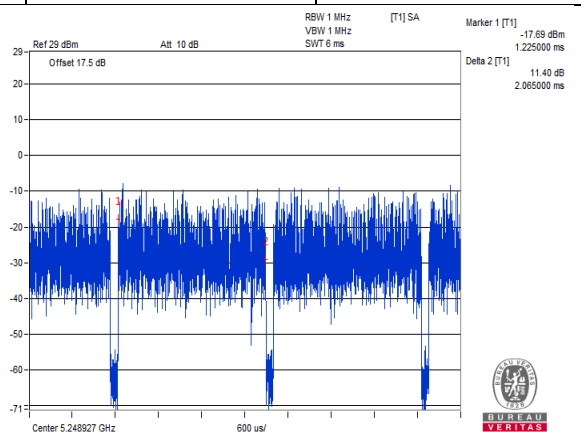
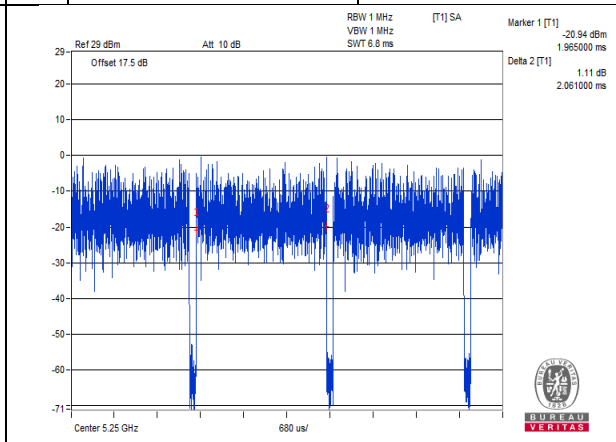
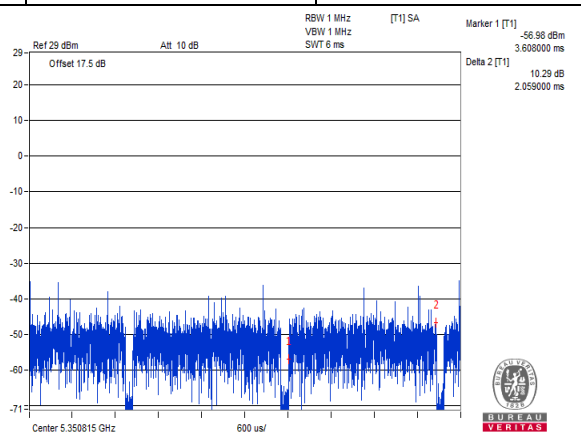








CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5229.650MHz	P = 0.009378uW	2	5239.440MHz	P = 0.030695uW
					
3	5248.927MHz	P = 4.916966uW	4	5250.000MHz	P = 38.44692uW
					
5	5350.815MHz	P = 0.008312uW			

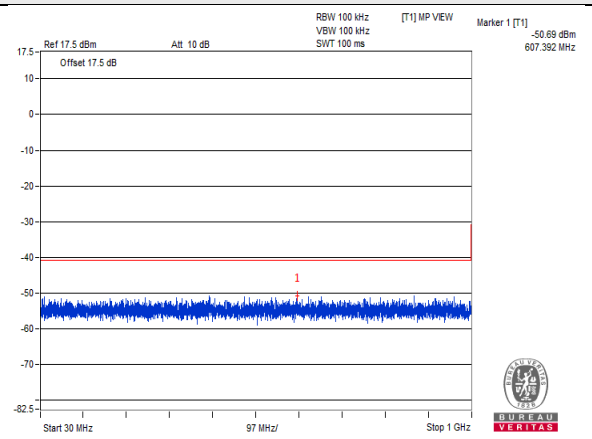
Chain 2

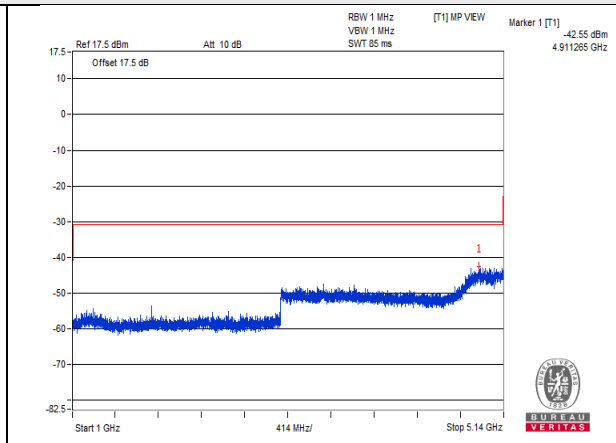
Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	607.392	0.008531	0.083	Pass
	1000.0 to 5140.0	4911.265	0.055590	0.833	Pass
	5140.0 to 5142.0	5141.072	0.135519	0.833	Pass
	5142.0 to 5150.0	5149.597	0.484172	5.000	Pass
	5250.0 to 5251.0	5250.797	0.128529	53.196	Pass
	5251.0 to 5260.0	5252.997	0.148594	22.150	Pass
	5260.0 to 5266.7	5265.565	0.155239	1.139	Pass
	5266.7 to 5360.0	5293.202	0.172982	0.833	Pass
	5360.0 to 26000.0	25811.660	0.635331	0.833	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	572.836	0.009683	0.083	Pass
	1000.0 to 5140.0	4903.502	0.052723	0.833	Pass
	5140.0 to 5142.0	5140.192	0.209411	0.833	Pass
	5142.0 to 5150.0	5142.475	0.154882	5.000	Pass
	5250.0 to 5251.0	5250.055	22.201713	293.683	Pass(1)
	5251.0 to 5260.0	5251.017	2.972422	33.218	Pass(2)
	5260.0 to 5266.7	5260.092	2.673006	5.151	Pass
	5266.7 to 5360.0	5269.772	0.475335	0.833	Pass
	5360.0 to 26000.0	25775.540	0.726106	0.833	Pass

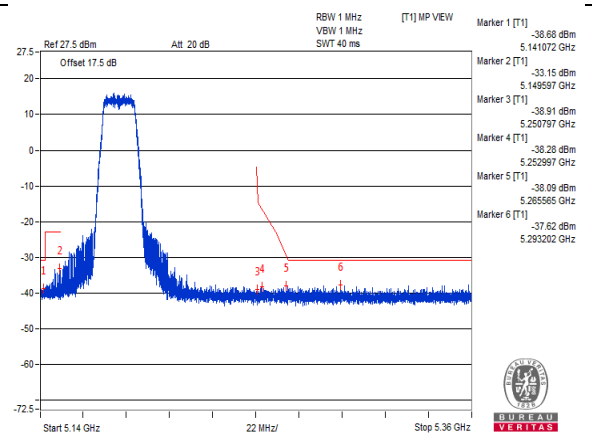
Note: 1. The spectrum plots are attached on the following pages.

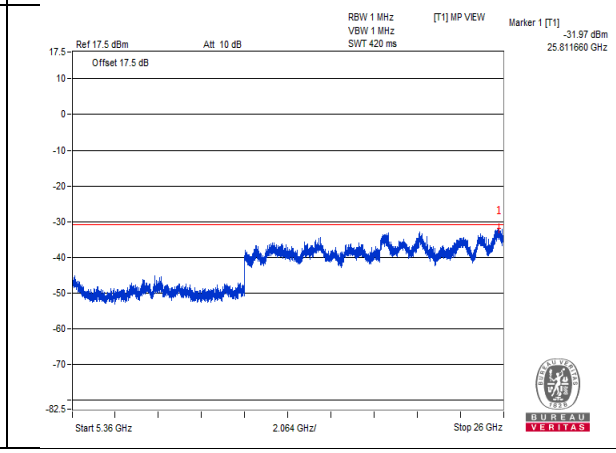
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



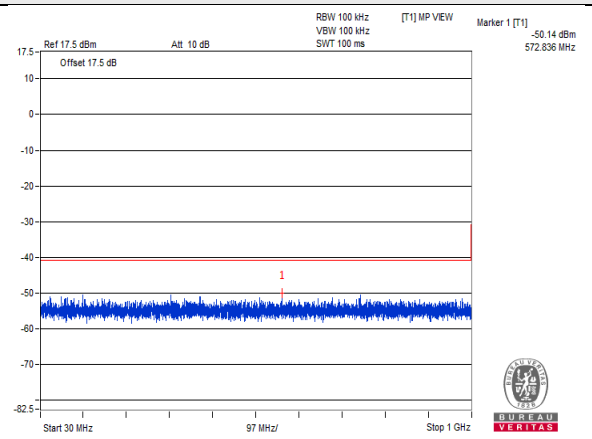


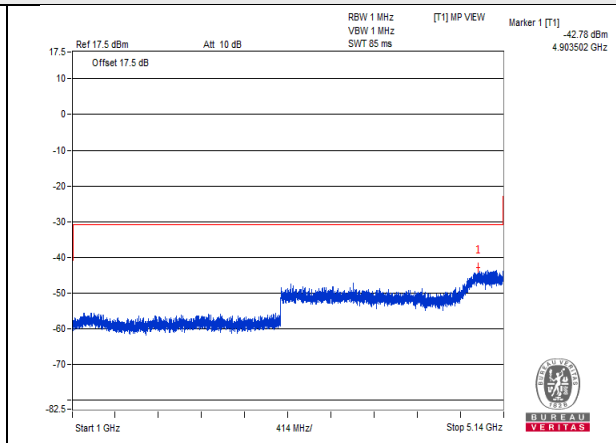


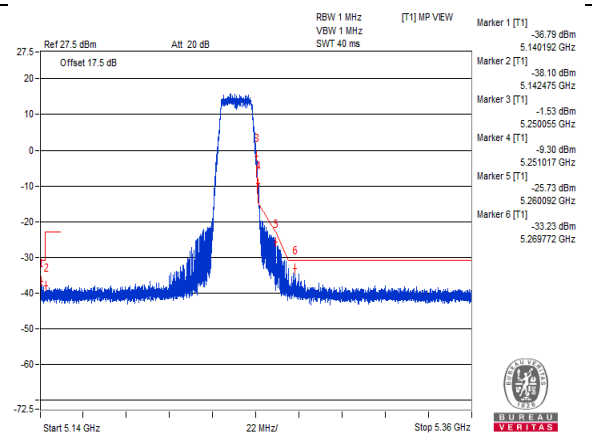


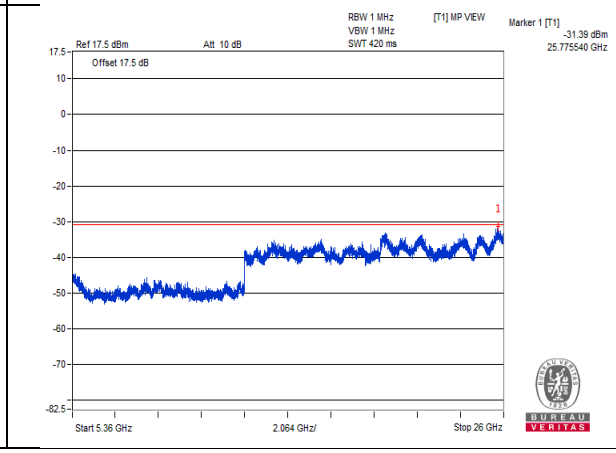
CH 36 (5180MHz)

Vnormal



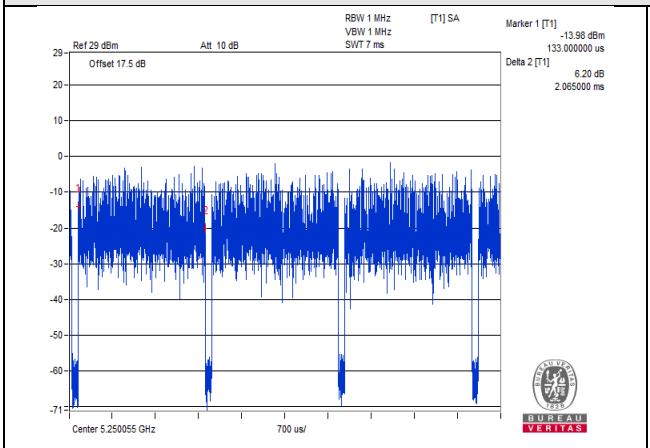


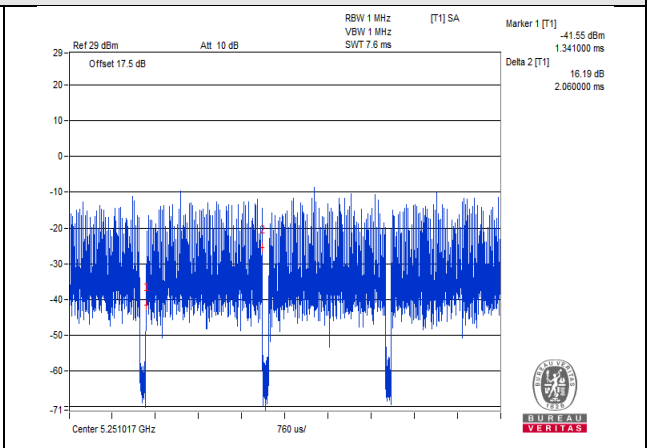




CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





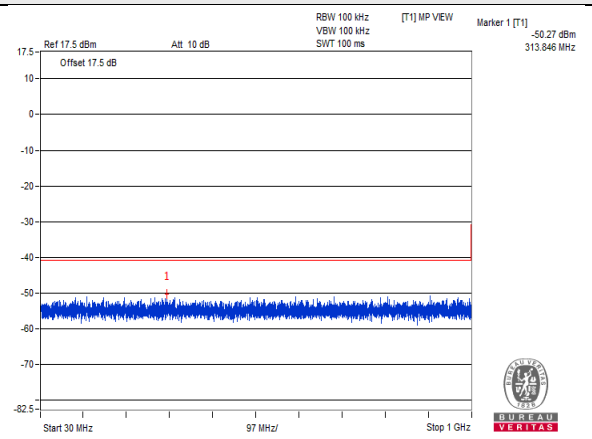
1	5250.055MHz	P = 22.201713uW	2	5251.017MHz	P = 2.972422uW

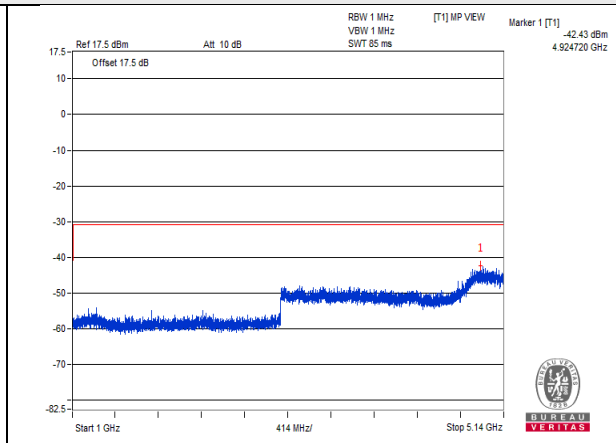
Test Channel		CH 52 (5260MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	313.846	0.009397	0.083	Pass
	1000.0 to 5140.0	4924.720	0.057148	0.833	Pass
	5140.0 to 5233.3	5230.557	0.008537	0.833	Pass(1)
	5233.3 to 5240.0	5239.880	0.027092	5.111	Pass(2)
	5240.0 to 5249.0	5248.927	4.952035	32.839	Pass(3)
	5249.0 to 5250.0	5249.972	35.337347	312.521	Pass(4)
	5350.0 to 5360.0	5352.355	0.161808	0.833	Pass
	5360.0 to 26000.0	25772.960	0.783430	0.833	Pass
Test Channel		CH 64 (5320MHz)			
V_{normal}	30.0 to 1000.0	514.393	0.009354	0.083	Pass
	1000.0 to 5140.0	5086.697	0.052240	0.833	Pass
	5140.0 to 5233.3	5203.690	0.214289	0.833	Pass
	5233.3 to 5240.0	5236.002	0.183231	1.755	Pass
	5240.0 to 5249.0	5247.690	0.199067	25.494	Pass
	5249.0 to 5250.0	5249.037	0.158855	36.298	Pass
	5350.0 to 5360.0	5351.117	0.503501	0.833	Pass
	5360.0 to 26000.0	25726.520	0.683912	0.833	Pass

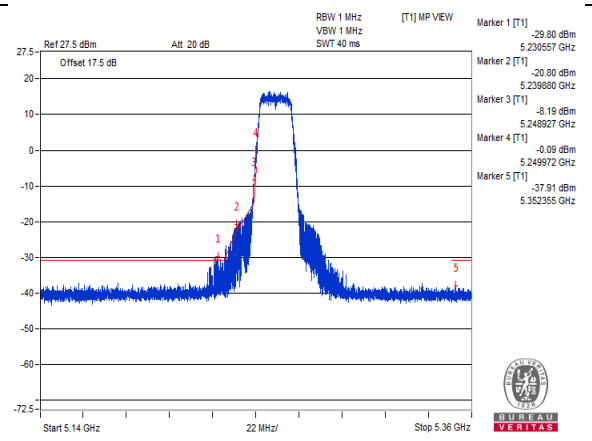
Note: 1. The spectrum plots are attached on the following pages.

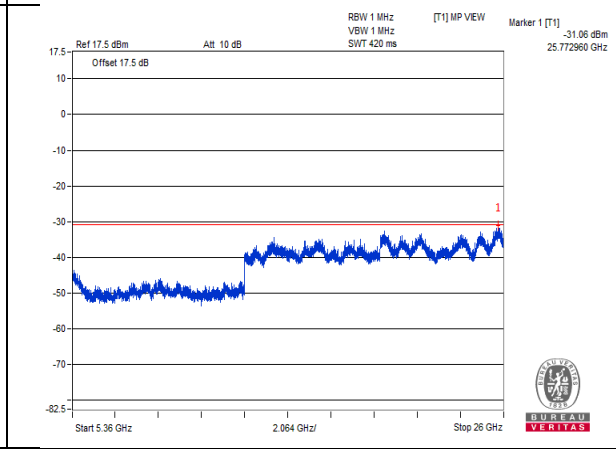
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



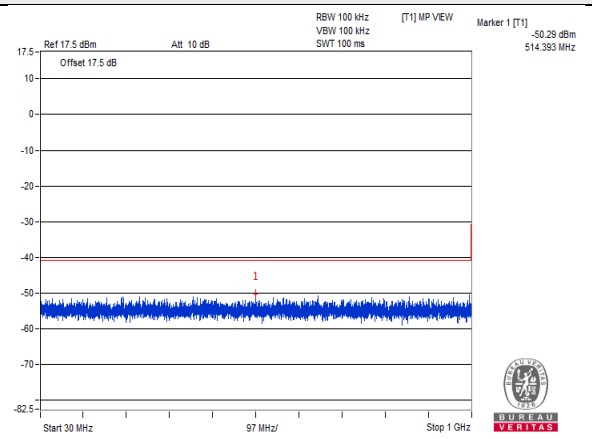


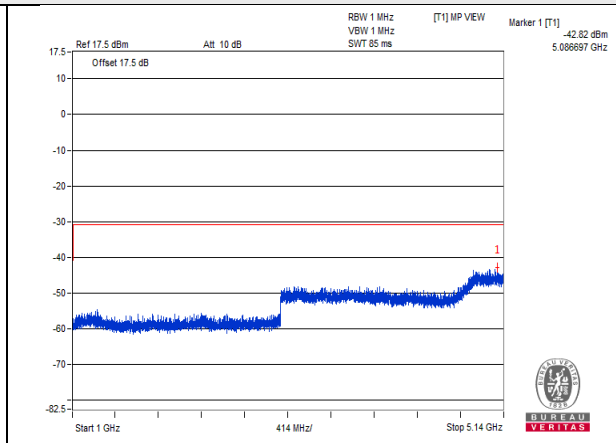


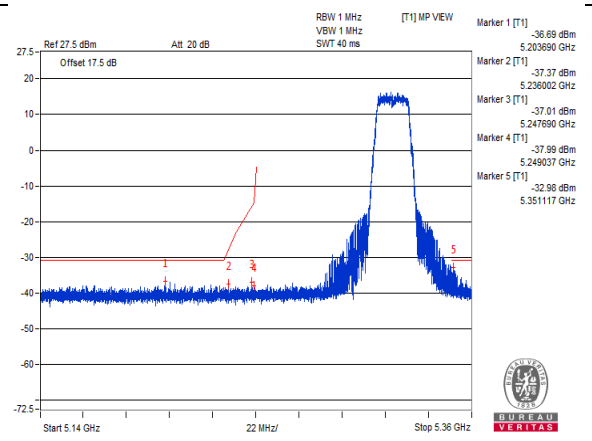


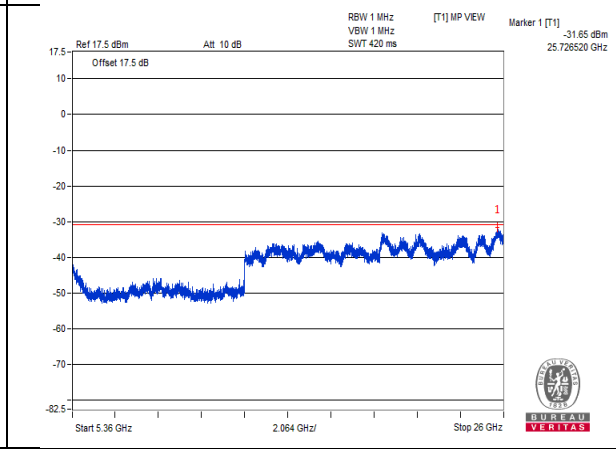
CH 52 (5260MHz)

Vnormal





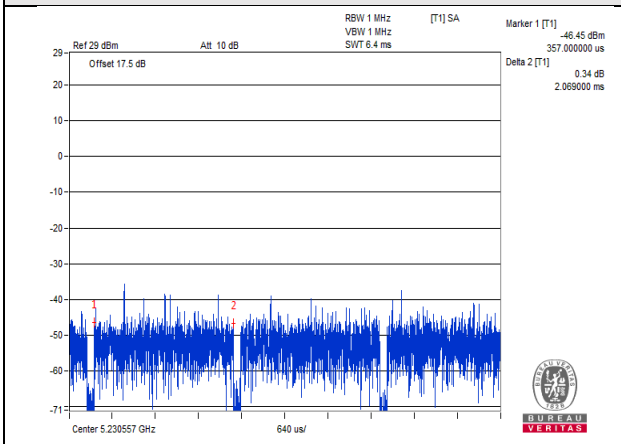




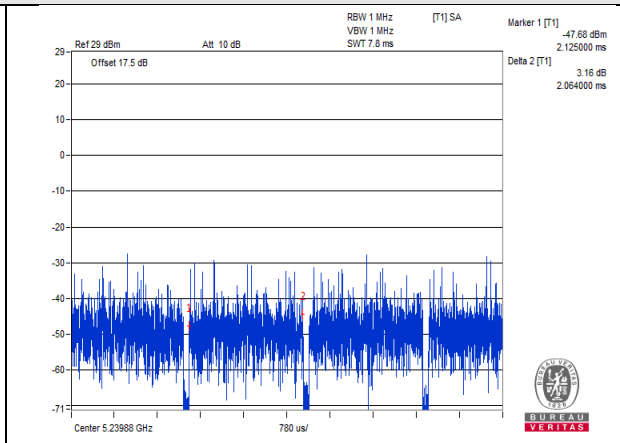
CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

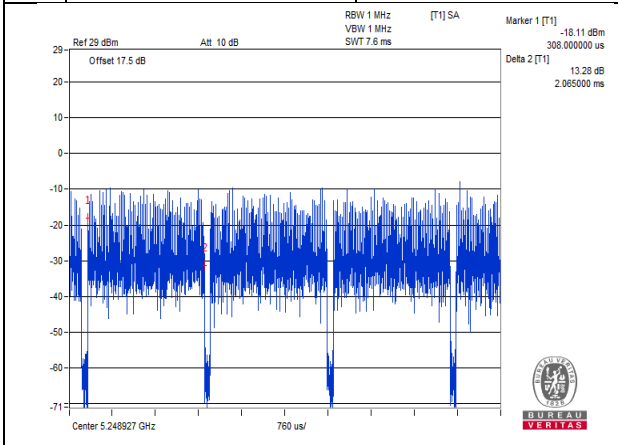
Vnormal



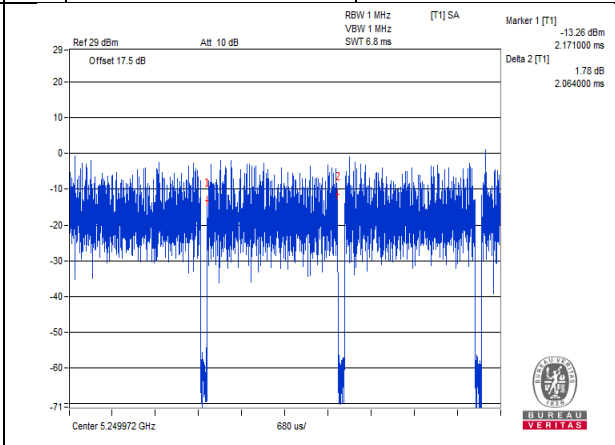
1	5230.557MHz	P = 0.008537uW



2	5239.880MHz	P = 0.027092uW



3	5248.927MHz	P = 4.952035uW



4	5249.972MHz	P = 35.337347uW

[Worst result] x [Number of antenna ports]

Test Channel		CH 36 (5180MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.032970	0.249	Pass
	1000.0 to 5140.0	0.167928	2.499	Pass
	5140.0 to 5142.0	0.579591	2.499	Pass
	5142.0 to 5150.0	2.260068	15	Pass
	5250.0 to 5251.0	0.422787	169.824	Pass
	5251.0 to 5260.0	0.516561	30.906	Pass
	5260.0 to 5266.7	0.465717	3.417	Pass
	5266.7 to 5360.0	0.518946	2.499	Pass
	5360.0 to 26000.0	2.466729	2.499	Pass
Test Channel		**CH 48 (5240MHz)**		
V_{normal}	30.0 to 1000.0	0.030417	0.249	Pass
	1000.0 to 5140.0	0.158169	2.499	Pass
	5140.0 to 5142.0	0.628233	2.499	Pass
	5142.0 to 5150.0	0.511824	15	Pass
	5250.0 to 5251.0	67.622328	881.049	Pass
	5251.0 to 5260.0	10.342743	99.999	Pass
	5260.0 to 5266.7	11.223318	13.482	Pass
	5266.7 to 5360.0	2.114079	2.499	Pass
	5360.0 to 26000.0	2.472414	2.499	Pass

Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

Test Channel		CH 52 (5260MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.031485	0.249	Pass
	1000.0 to 5140.0	0.227049	2.499	Pass
	5140.0 to 5233.3	0.029097	2.499	Pass
	5233.3 to 5240.0	0.113550	12.591	Pass
	5240.0 to 5249.0	21.416940	99.633	Pass
	5249.0 to 5250.0	127.553784	999.999	Pass
	5350.0 to 5360.0	0.485424	2.499	Pass
	5360.0 to 26000.0	2.350290	2.499	Pass
Test Channel		**CH 64 (5320MHz)**		
V_{normal}	30.0 to 1000.0	0.028062	0.249	Pass
	1000.0 to 5140.0	0.156720	2.499	Pass
	5140.0 to 5233.3	0.642867	2.499	Pass
	5233.3 to 5240.0	0.567702	3.978	Pass
	5240.0 to 5249.0	0.597201	76.482	Pass
	5249.0 to 5250.0	0.496731	123.594	Pass
	5350.0 to 5360.0	2.466729	2.499	Pass
	5360.0 to 26000.0	2.193417	2.499	Pass

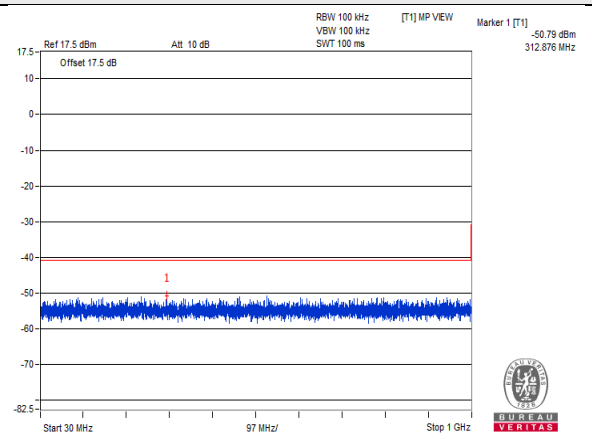
Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

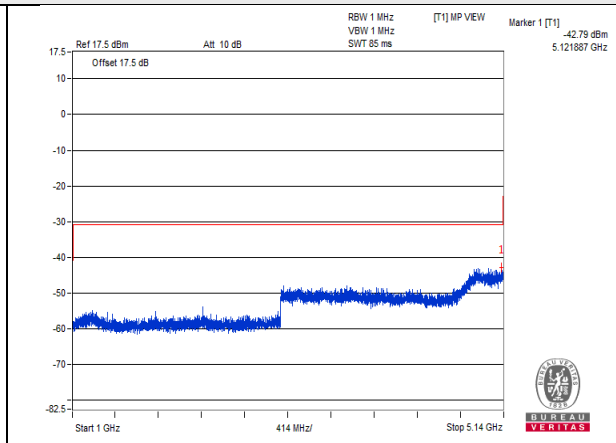
W52 & W53 Bands:
802.11ac (VHT20)
Chain 0

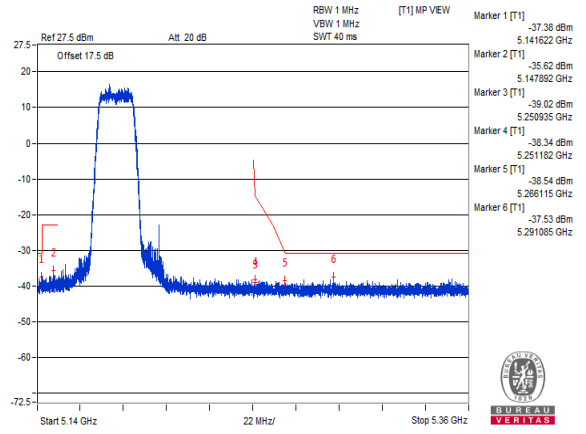
Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	312.876	0.008337	0.083	Pass
	1000.0 to 5140.0	5121.887	0.052602	0.833	Pass
	5140.0 to 5142.0	5141.622	0.182810	0.833	Pass
	5142.0 to 5150.0	5147.892	0.274157	5.000	Pass
	5250.0 to 5251.0	5250.935	0.125314	38.715	Pass
	5251.0 to 5260.0	5251.182	0.146555	32.114	Pass
	5260.0 to 5266.7	5266.115	0.139959	0.979	Pass
	5266.7 to 5360.0	5291.085	0.176604	0.833	Pass
	5360.0 to 26000.0	25749.740	0.623735	0.833	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	225.212	0.009057	0.083	Pass
	1000.0 to 5140.0	4862.102	0.055208	0.833	Pass
	5140.0 to 5142.0	5140.852	0.125893	0.833	Pass
	5142.0 to 5150.0	5146.105	0.170216	5.000	Pass
	5250.0 to 5251.0	5250.192	47.840553	214.229	Pass(1)
	5251.0 to 5260.0	5251.045	4.658410	33.028	Pass(2)
	5260.0 to 5266.7	5260.752	1.874995	4.294	Pass
	5266.7 to 5360.0	5270.350	0.373250	0.833	Pass
	5360.0 to 26000.0	25858.100	0.765597	0.833	Pass

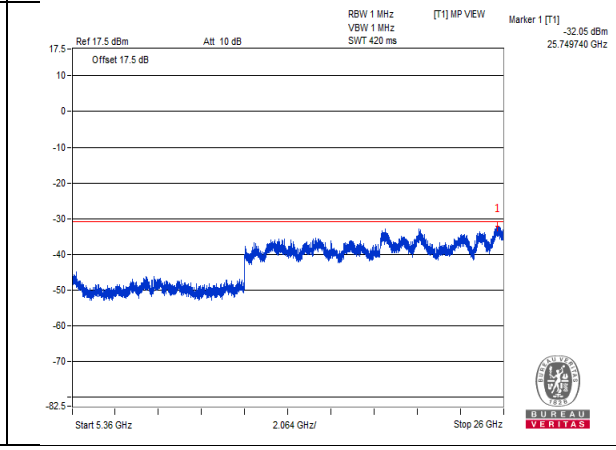
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



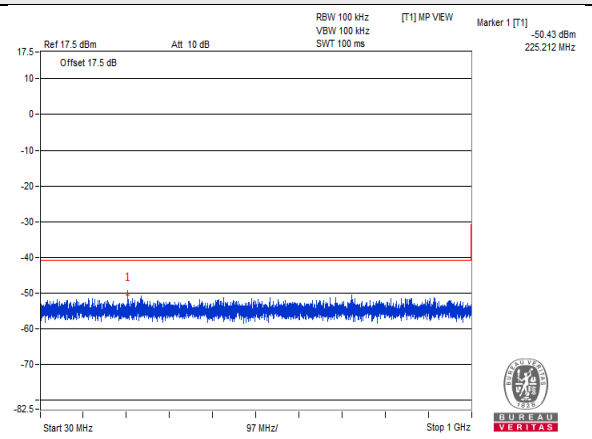


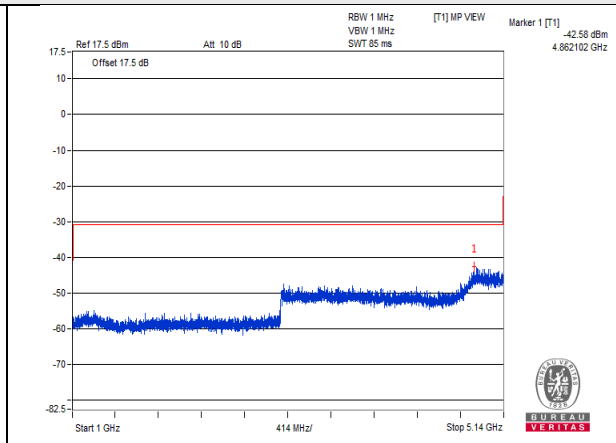


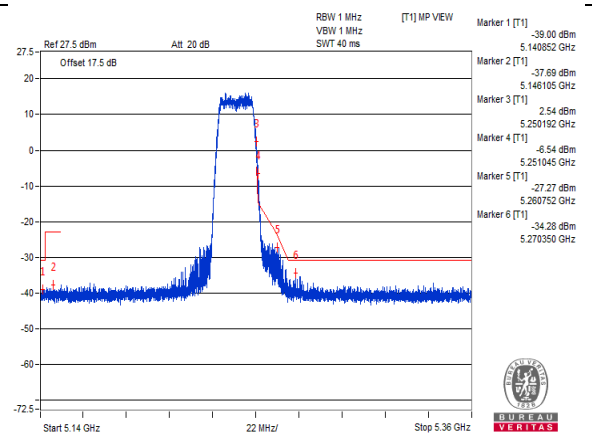


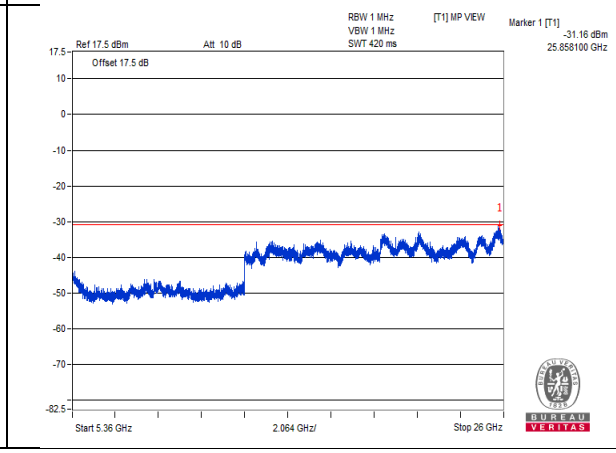
CH 36 (5180MHz)

Vnormal



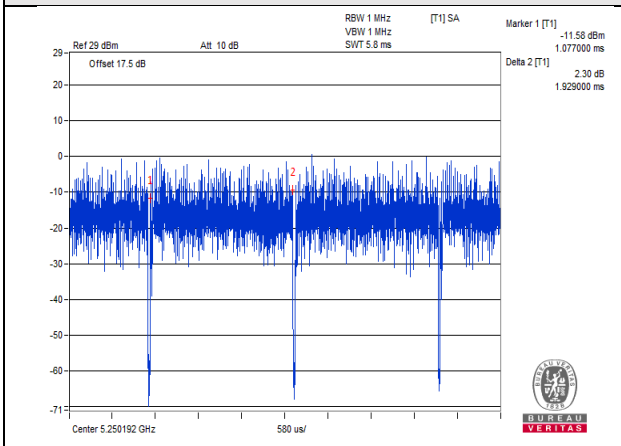


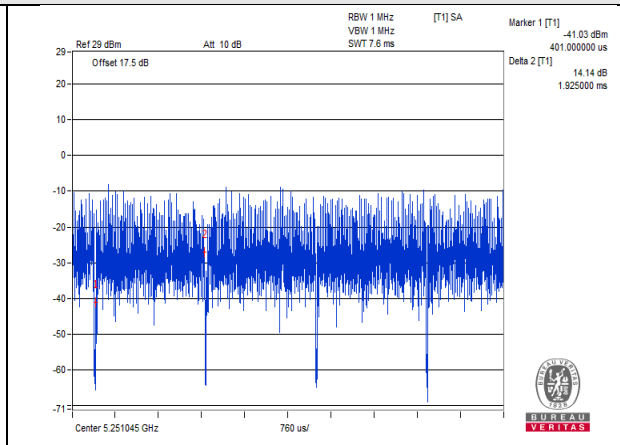




CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





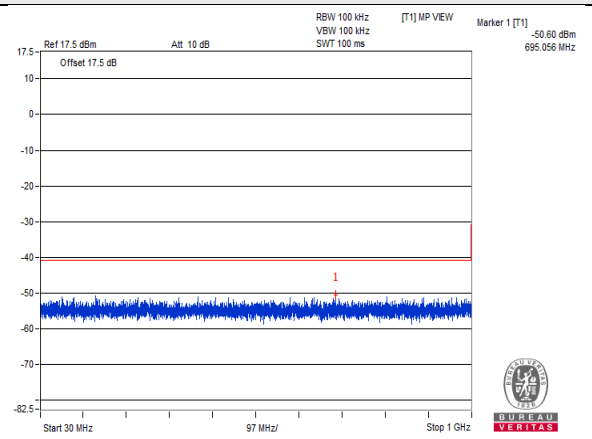
1	5250.192MHz	P = 47.840553uW	2	5251.045MHz	P = 4.65841uW

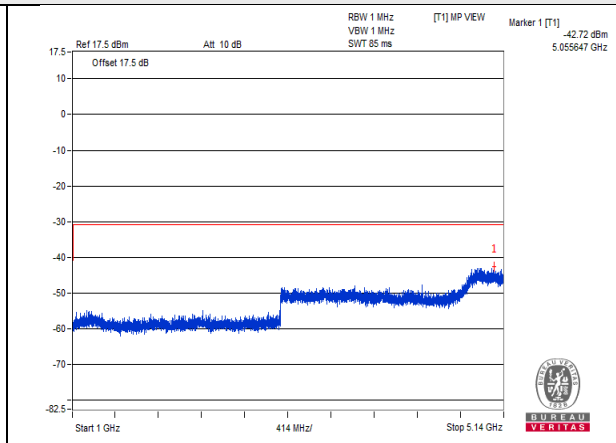
Test Channel		CH 52 (5260MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	695.056	0.008710	0.083	Pass
	1000.0 to 5140.0	5055.647	0.053456	0.833	Pass
	5140.0 to 5233.3	5231.547	0.666807	0.833	Pass
	5233.3 to 5240.0	5239.550	2.660725	4.667	Pass
	5240.0 to 5249.0	5248.927	9.569253	32.839	Pass(1)
	5249.0 to 5250.0	5249.862	89.856782	242.593	Pass(2)
	5350.0 to 5360.0	5354.142	0.144212	0.833	Pass
	5360.0 to 26000.0	25814.240	0.698232	0.833	Pass
Test Channel		**CH 64 (5320MHz)**			
V_{normal}	30.0 to 1000.0	895.603	0.008730	0.083	Pass
	1000.0 to 5140.0	5033.912	0.044361	0.833	Pass
	5140.0 to 5233.3	5188.235	0.177419	0.833	Pass
	5233.3 to 5240.0	5237.212	0.157398	2.450	Pass
	5240.0 to 5249.0	5248.570	0.159956	30.525	Pass
	5249.0 to 5250.0	5249.367	0.124165	77.603	Pass
	5350.0 to 5360.0	5350.512	0.687068	0.833	Pass
	5360.0 to 26000.0	25765.220	0.699842	0.833	Pass

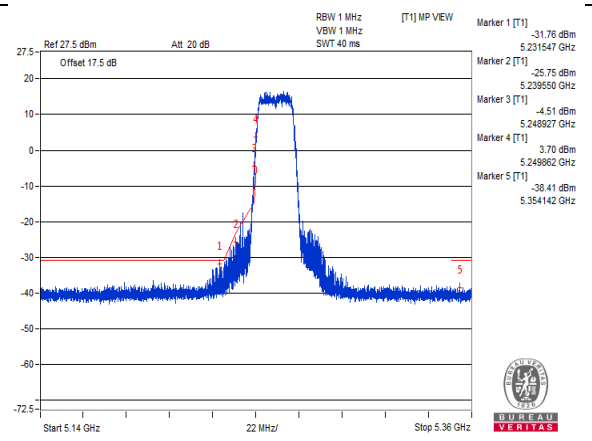
Note: 1. The spectrum plots are attached on the following pages.

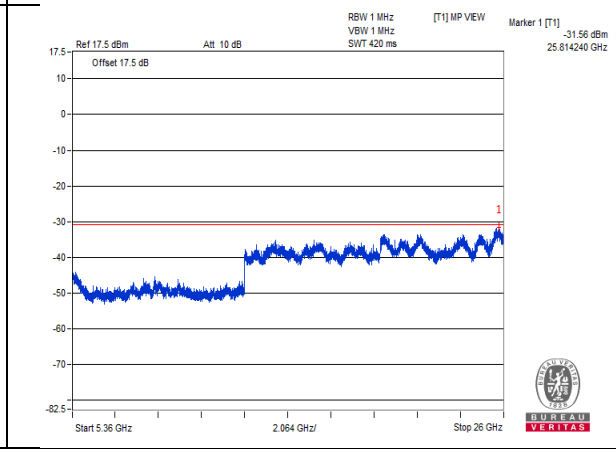
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



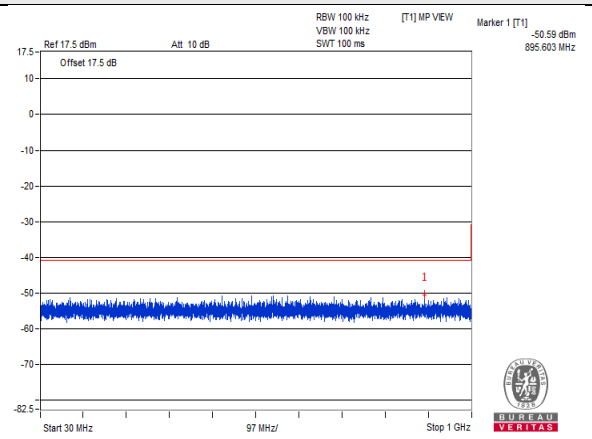


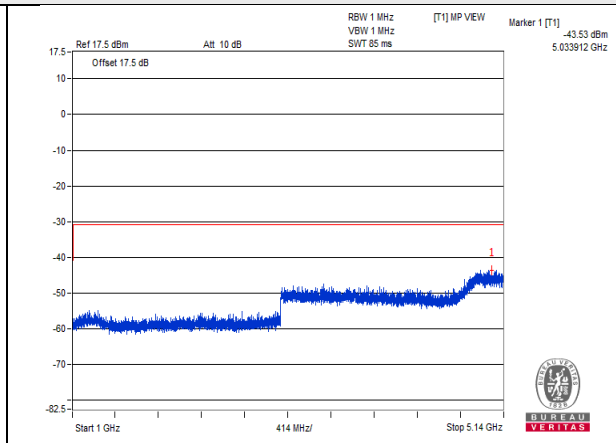


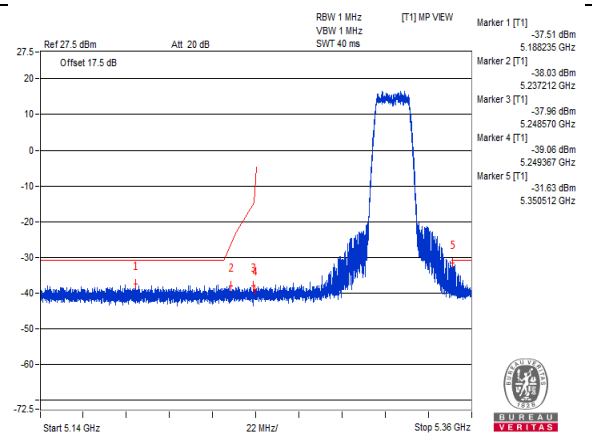


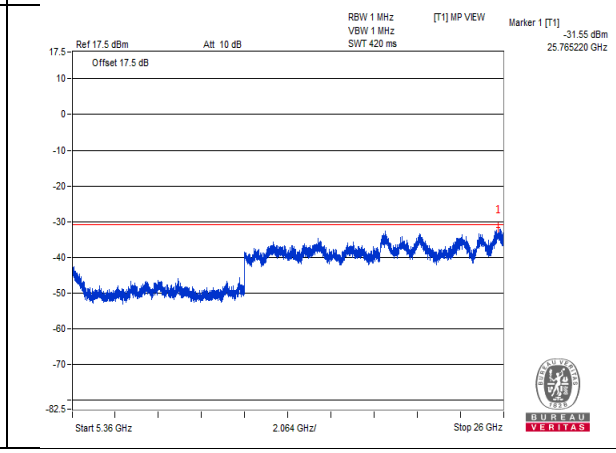
CH 52 (5260MHz)

Vnormal



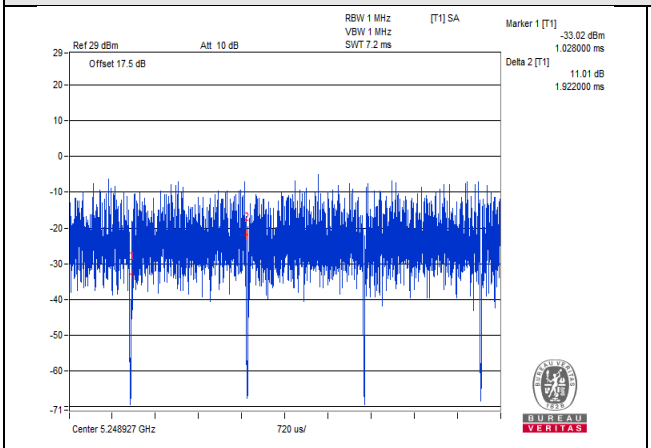


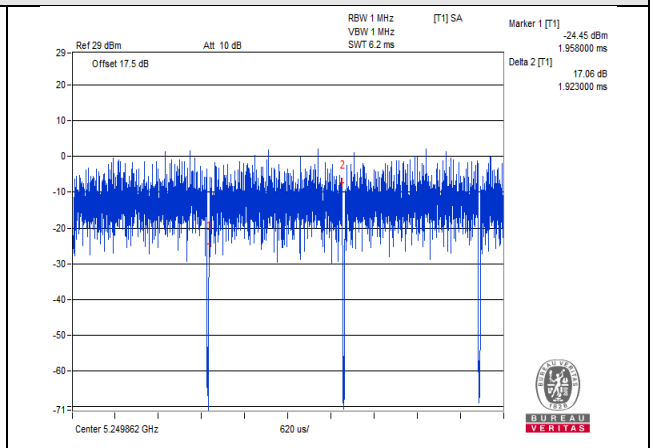




CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





1	5248.927MHz	P = 9.569253uW	2	5249.862MHz	P = 89.856782uW

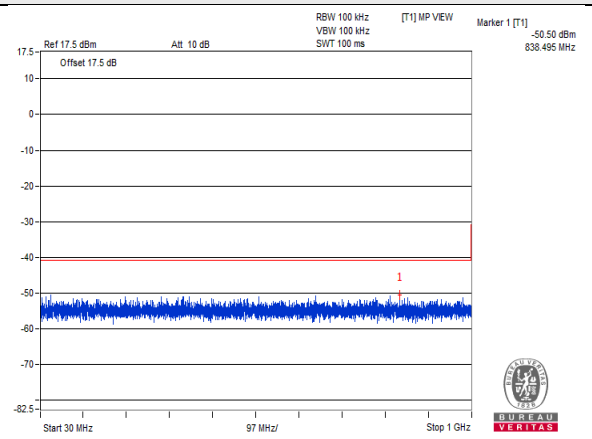
Chain 1

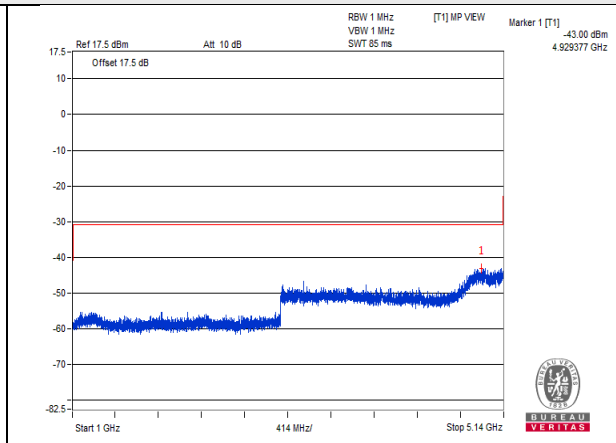
Test Channel		CH 36 (5180MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	838.495	0.008913	0.083	Pass
	1000.0 to 5140.0	4929.377	0.050119	0.833	Pass
	5140.0 to 5142.0	5140.055	0.179473	0.833	Pass
	5142.0 to 5150.0	5149.515	0.363915	5.000	Pass
	5250.0 to 5251.0	5250.990	0.138357	34.110	Pass
	5251.0 to 5260.0	5255.967	0.172584	12.061	Pass
	5260.0 to 5266.7	5262.485	0.162930	2.663	Pass
	5266.7 to 5360.0	5273.870	0.163682	0.833	Pass
	5360.0 to 26000.0	25767.800	0.666807	0.833	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	461.650	0.009226	0.083	Pass
	1000.0 to 5140.0	4975.435	0.048195	0.833	Pass
	5140.0 to 5142.0	5141.375	0.158855	0.833	Pass
	5142.0 to 5150.0	5146.462	0.141579	5.000	Pass
	5250.0 to 5251.0	5250.055	74.504173	293.683	Pass(1)
	5251.0 to 5260.0	5251.045	4.986361	33.028	Pass(2)
	5260.0 to 5266.7	5260.202	2.760578	4.997	Pass
	5266.7 to 5360.0	5267.710	0.599791	0.833	Pass
	5360.0 to 26000.0	25816.820	0.620869	0.833	Pass

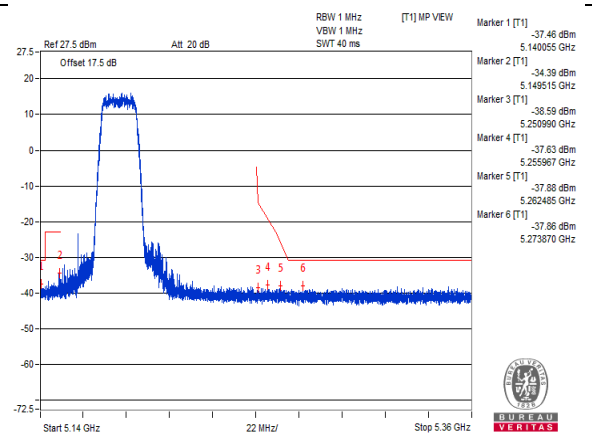
Note: 1. The spectrum plots are attached on the following pages.

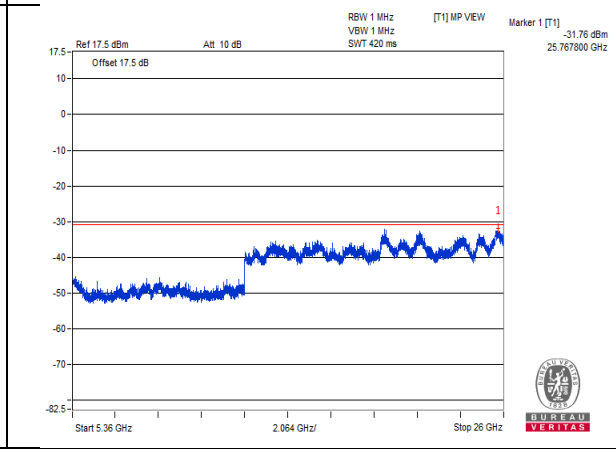
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



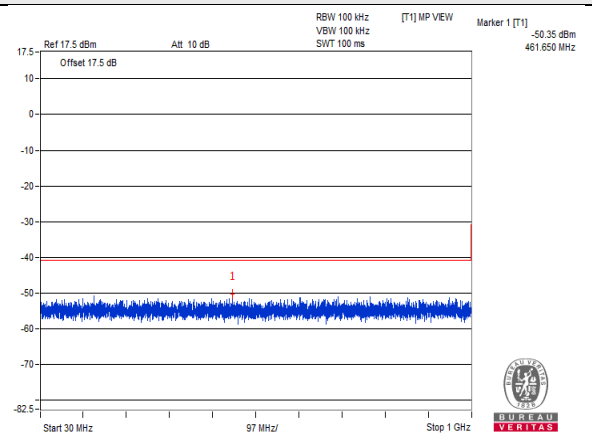


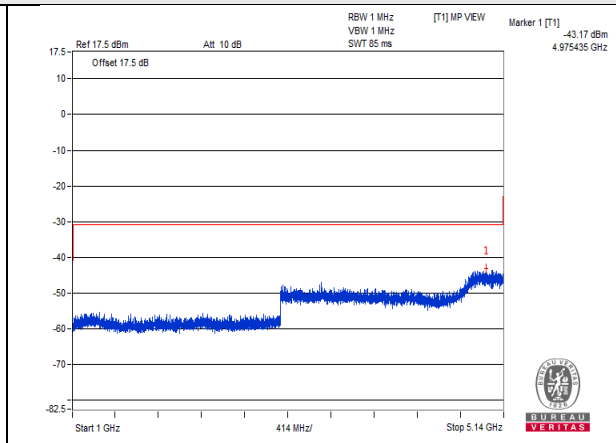


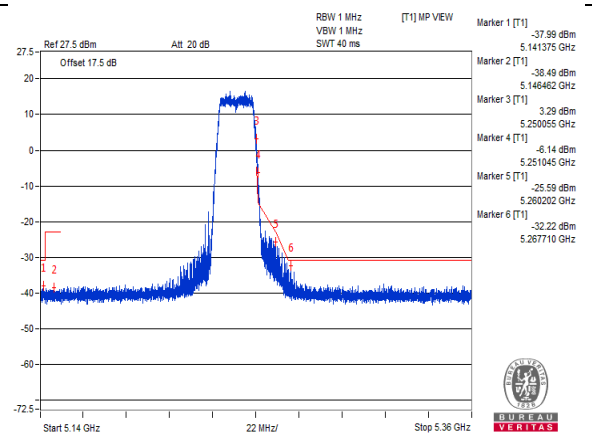


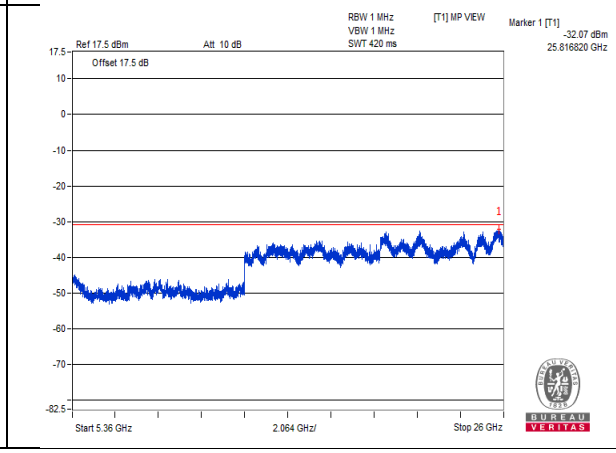
CH 36 (5180MHz)

Vnormal



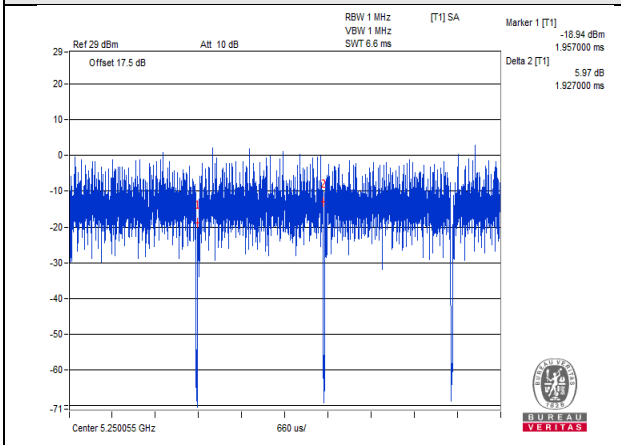


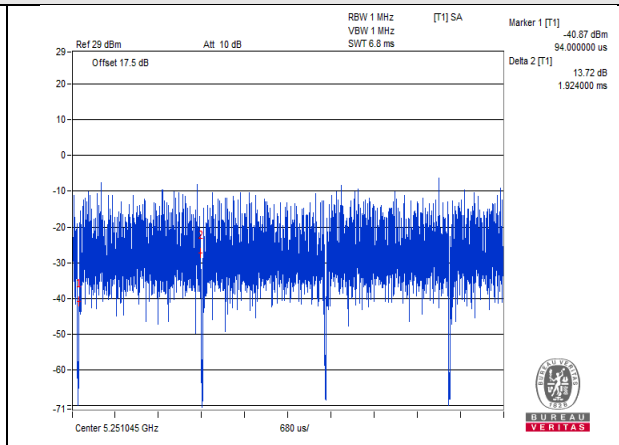




CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





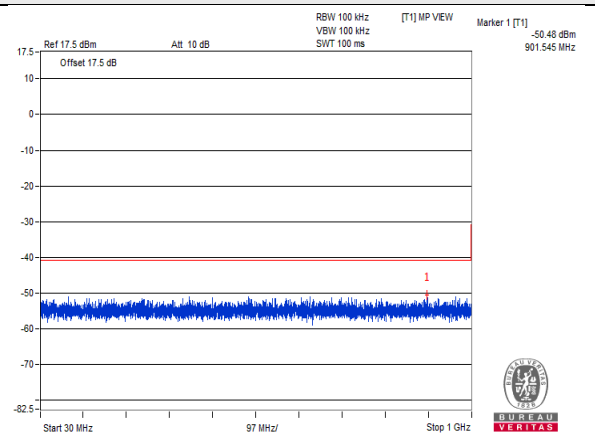
1	5250.055MHz	P = 74.504173uW	2	5251.045MHz	P = 4.986361uW

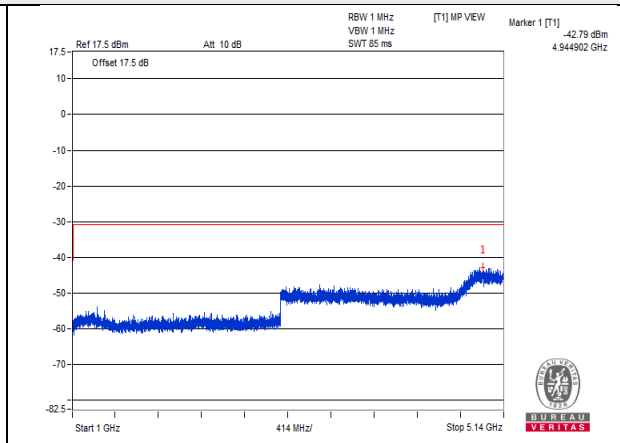
Test Channel		CH 52 (5260MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	901.545	0.008954	0.083	Pass
	1000.0 to 5140.0	4944.902	0.052602	0.833	Pass
	5140.0 to 5233.3	5231.767	0.816582	0.833	Pass
	5233.3 to 5240.0	5237.817	2.805434	2.894	Pass
	5240.0 to 5249.0	5248.872	7.965731	32.471	Pass(1)
	5249.0 to 5250.0	5250.000	131.944915	333.333	Pass(2)
	5350.0 to 5360.0	5352.575	0.166341	0.833	Pass
	5360.0 to 26000.0	25677.500	0.677642	0.833	Pass
Test Channel		CH 64 (5320MHz)			
V_{normal}	30.0 to 1000.0	600.238	0.008260	0.083	Pass
	1000.0 to 5140.0	5087.215	0.046881	0.833	Pass
	5140.0 to 5233.3	5196.622	0.173380	0.833	Pass
	5233.3 to 5240.0	5237.955	0.178649	3.007	Pass
	5240.0 to 5249.0	5247.305	0.150314	23.562	Pass
	5249.0 to 5250.0	5249.367	0.146218	77.603	Pass
	5350.0 to 5360.0	5350.842	0.580764	0.833	Pass
	5360.0 to 26000.0	25852.940	0.688652	0.833	Pass

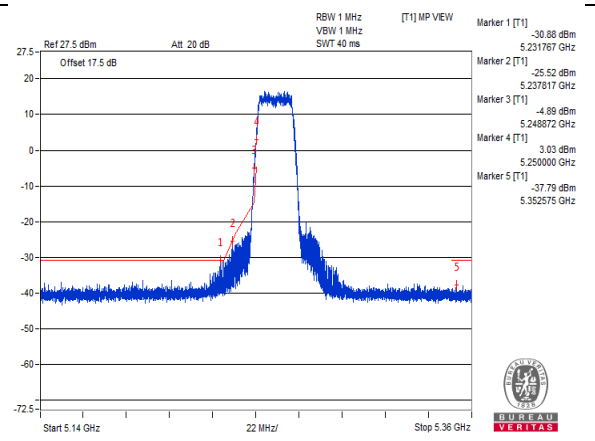
Note: 1. The spectrum plots are attached on the following pages.

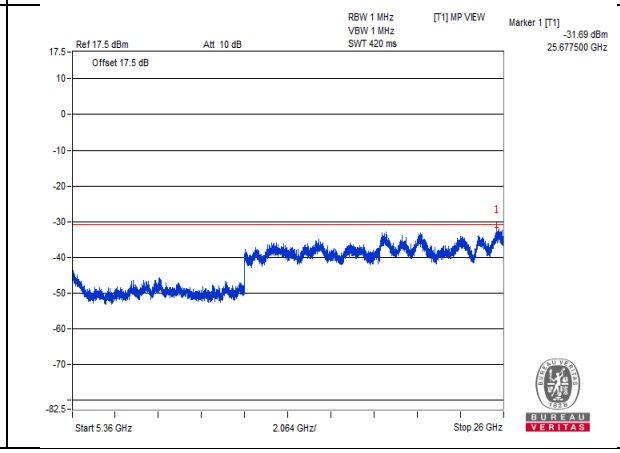
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



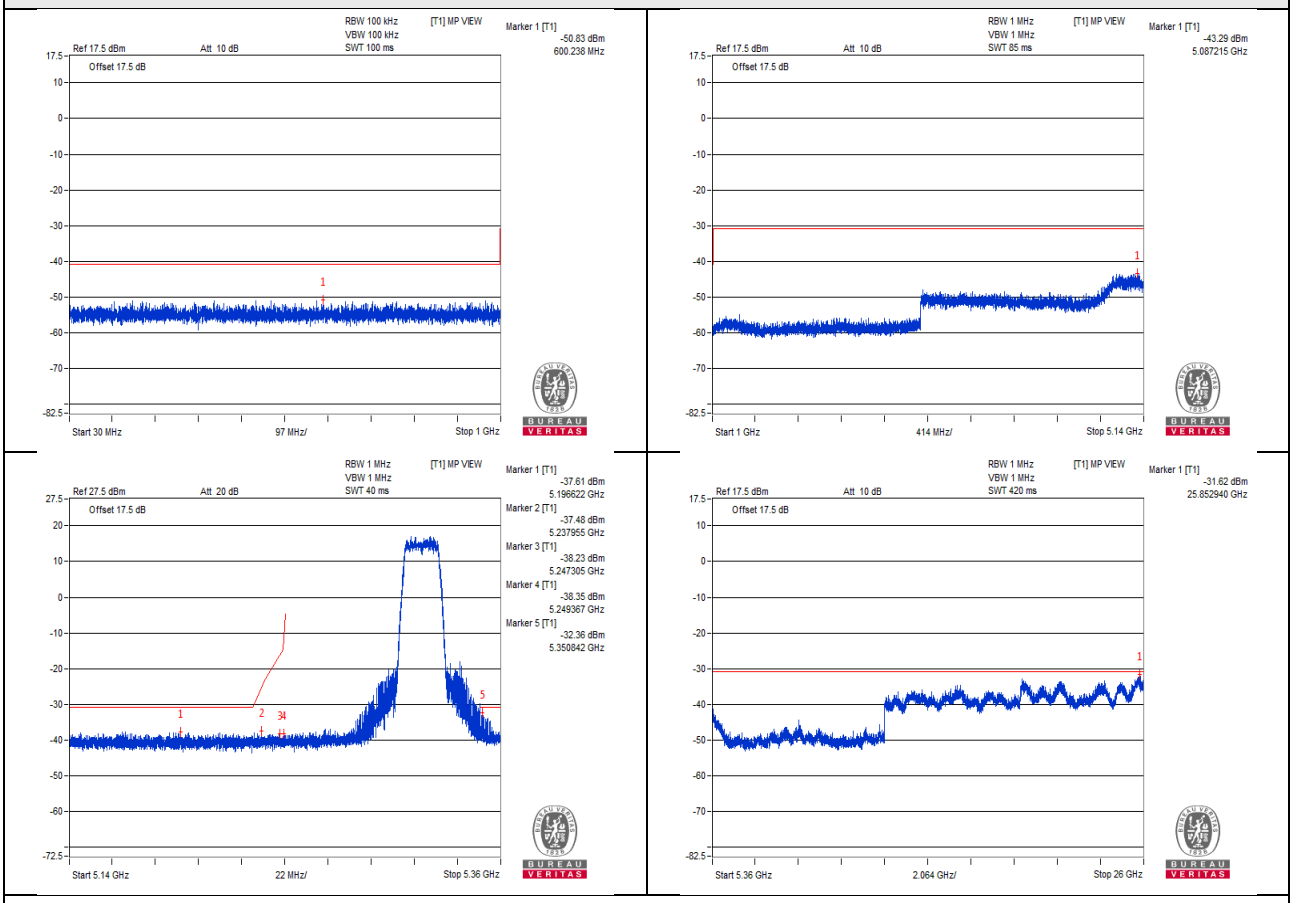






CH 52 (5260MHz)

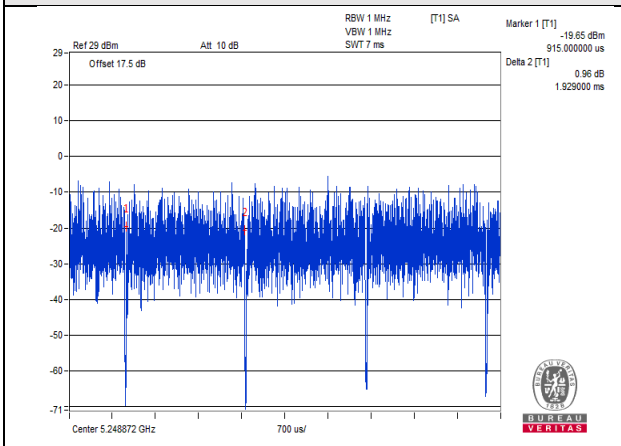
Vnormal



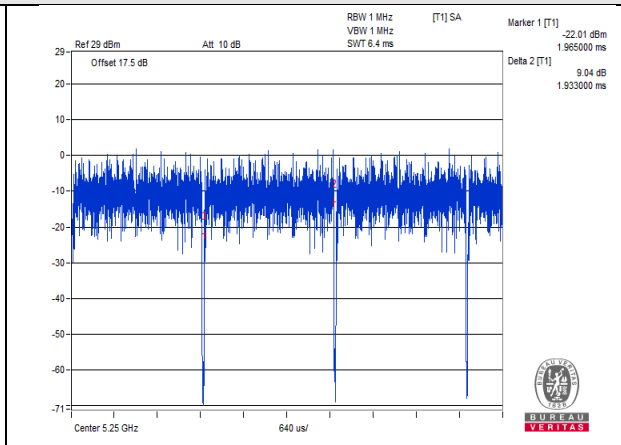
CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal



1	5248.872MHz	P = 7.965731uW	2	5250.000MHz	P = 131.944915uW



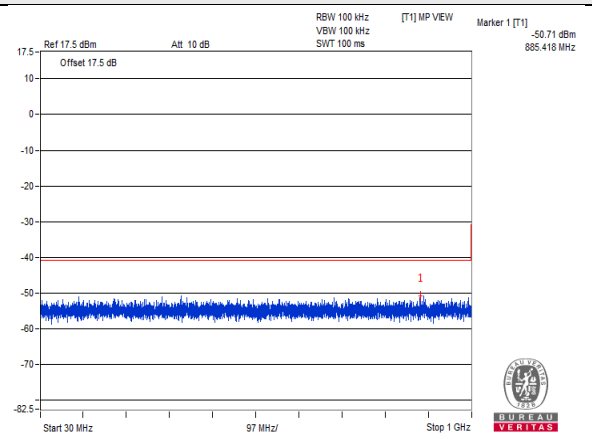
Chain 2

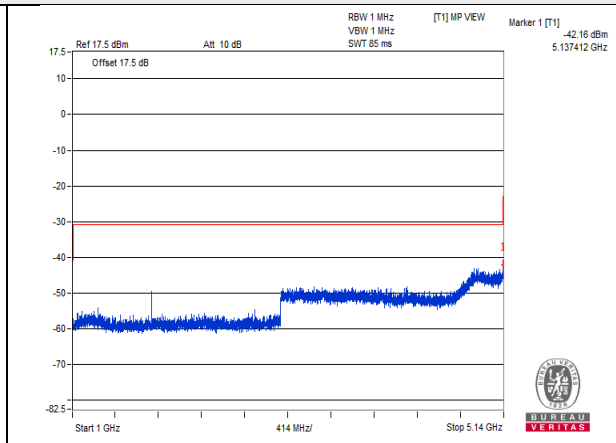
Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	885.418	0.008492	0.083	Pass
	1000.0 to 5140.0	5137.412	0.060814	0.833	Pass
	5140.0 to 5142.0	5141.512	0.155239	0.833	Pass
	5142.0 to 5150.0	5149.157	0.294442	5.000	Pass
	5250.0 to 5251.0	5250.797	0.125893	53.196	Pass
	5251.0 to 5260.0	5258.497	0.157036	7.186	Pass
	5260.0 to 5266.7	5261.935	0.151008	3.099	Pass
	5266.7 to 5360.0	5339.815	0.159221	0.833	Pass
	5360.0 to 26000.0	25901.960	0.666807	0.833	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	962.655	0.008570	0.083	Pass
	1000.0 to 5140.0	4929.895	0.045082	0.833	Pass
	5140.0 to 5142.0	5140.000	0.145211	0.833	Pass
	5142.0 to 5150.0	5144.757	0.150314	5.000	Pass
	5250.0 to 5251.0	5250.220	47.994582	200.853	Pass(1)
	5251.0 to 5260.0	5251.072	4.774789	32.846	Pass(2)
	5260.0 to 5266.7	5260.670	2.285599	4.392	Pass
	5266.7 to 5360.0	5270.212	0.303389	0.833	Pass
	5360.0 to 26000.0	25685.240	0.606736	0.833	Pass

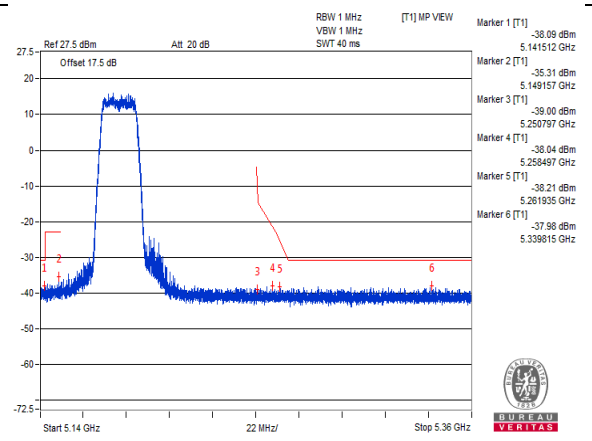
Note: 1. The spectrum plots are attached on the following pages.

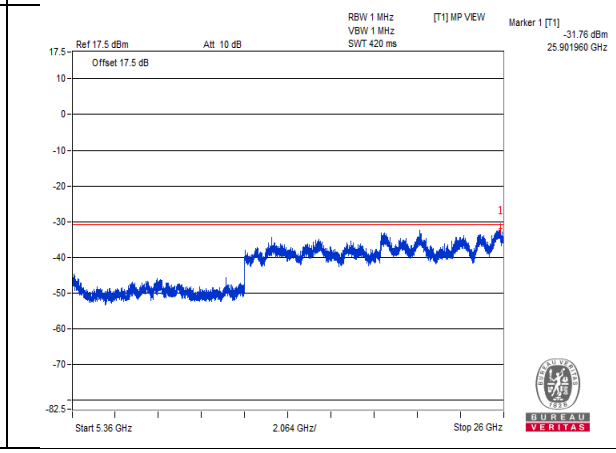
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



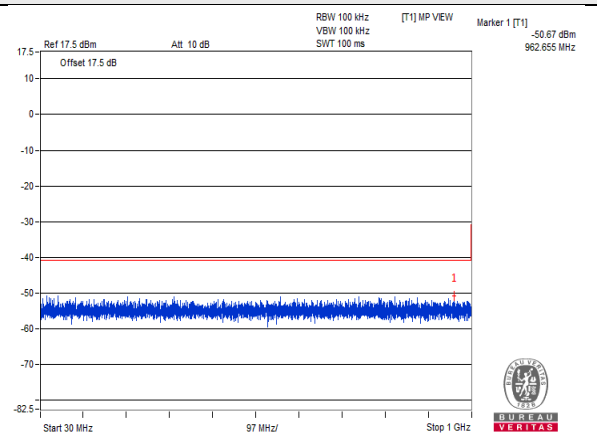


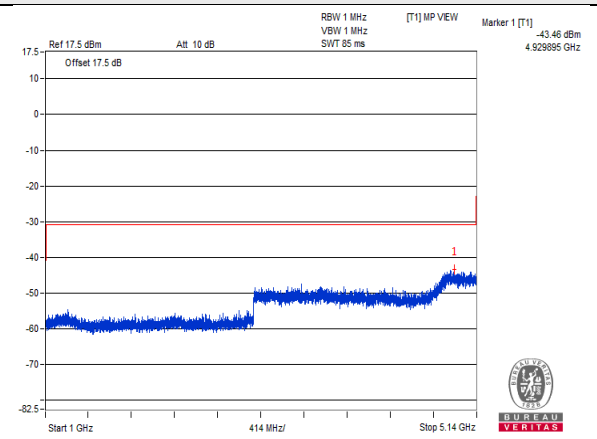


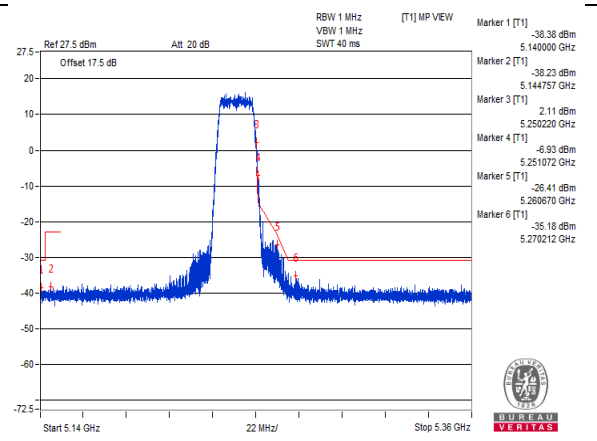


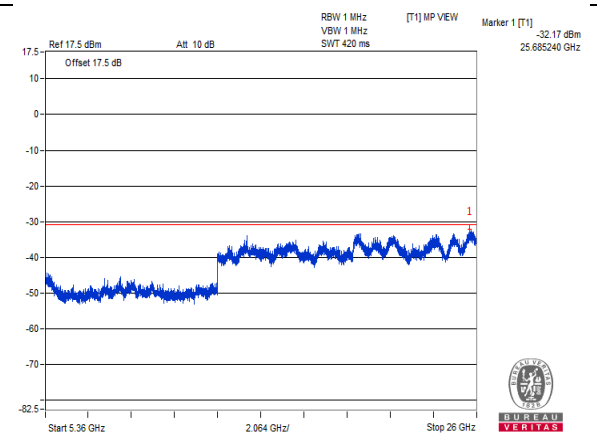
CH 36 (5180MHz)

Vnormal



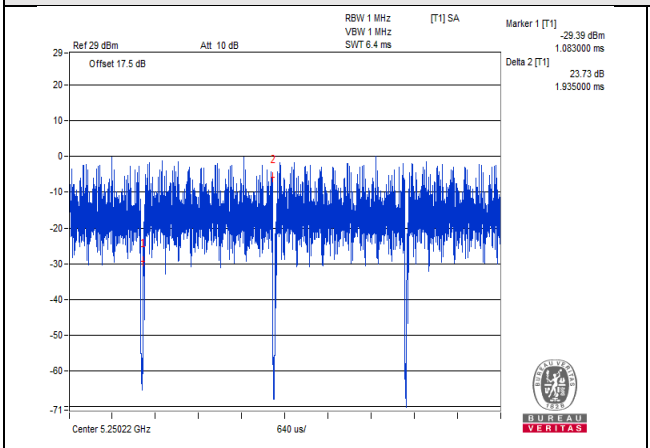


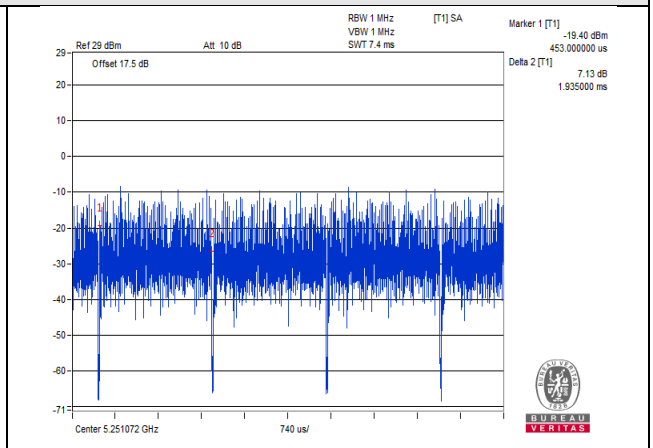




CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





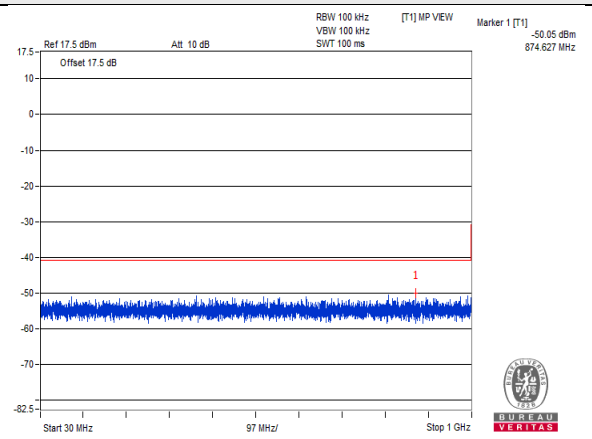
1	5250.220MHz	P = 47.994582uW	2	5251.072MHz	P = 4.774789uW

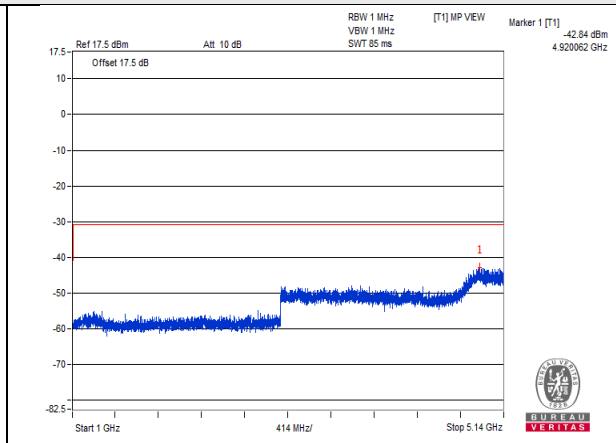
Test Channel		CH 52 (5260MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	874.627	0.009886	0.083	Pass
	1000.0 to 5140.0	4920.062	0.052000	0.833	Pass
	5140.0 to 5233.3	5232.867	0.651628	0.833	Pass
	5233.3 to 5240.0	5239.577	2.546830	4.702	Pass
	5240.0 to 5249.0	5248.927	10.046509	32.839	Pass(1)
	5249.0 to 5250.0	5250.000	131.394318	333.333	Pass(2)
	5350.0 to 5360.0	5351.447	0.144212	0.833	Pass
	5360.0 to 26000.0	25726.520	0.672977	0.833	Pass
Test Channel		**CH 64 (5320MHz)**			
V_{normal}	30.0 to 1000.0	328.517	0.009120	0.083	Pass
	1000.0 to 5140.0	5000.275	0.053703	0.833	Pass
	5140.0 to 5233.3	5148.827	0.210378	0.833	Pass
	5233.3 to 5240.0	5235.370	0.163305	1.474	Pass
	5240.0 to 5249.0	5241.942	0.154525	7.861	Pass
	5249.0 to 5250.0	5249.505	0.142889	106.630	Pass
	5350.0 to 5360.0	5350.622	0.683912	0.833	Pass
	5360.0 to 26000.0	25687.820	0.615177	0.833	Pass

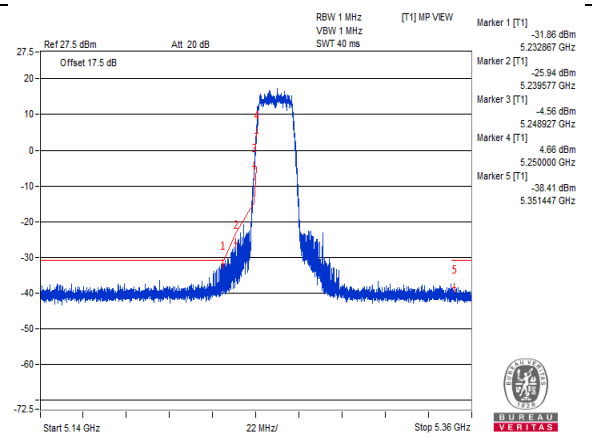
Note: 1. The spectrum plots are attached on the following pages.

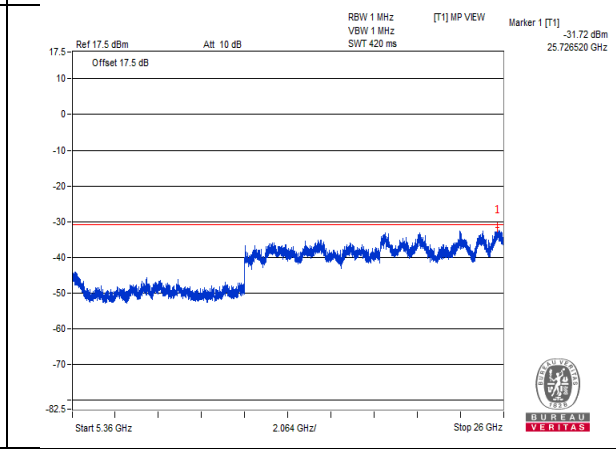
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



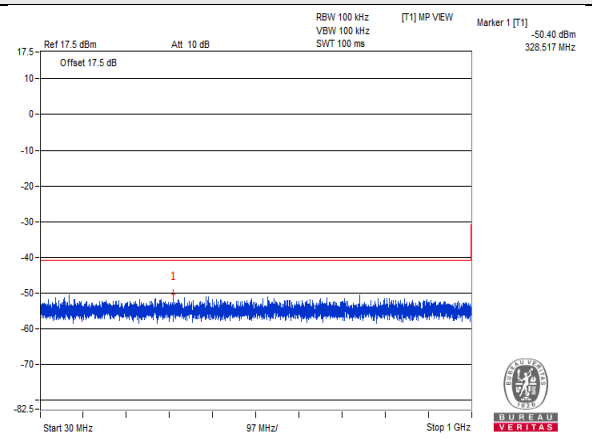


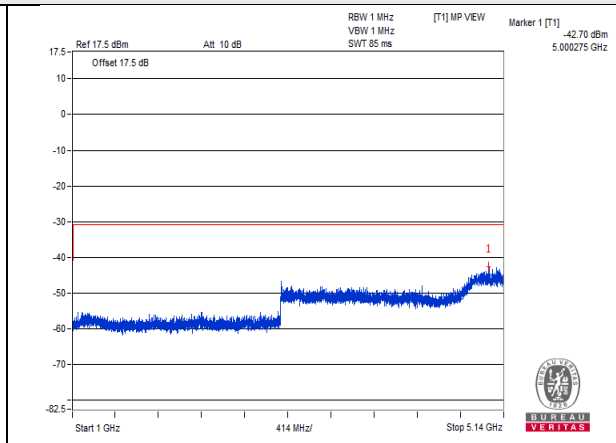


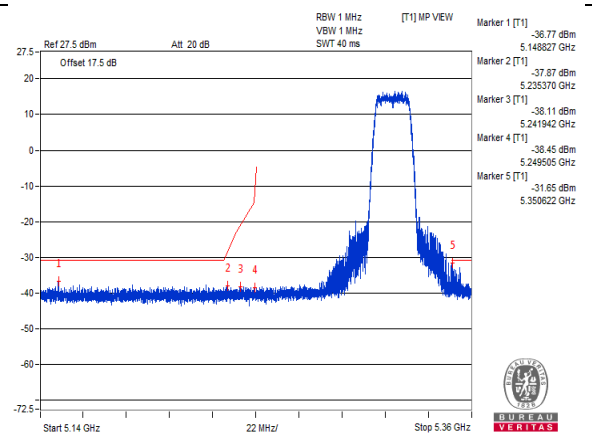


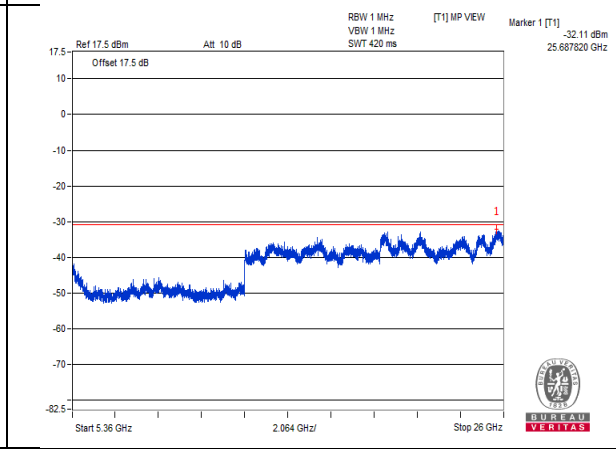
CH 52 (5260MHz)

Vnormal



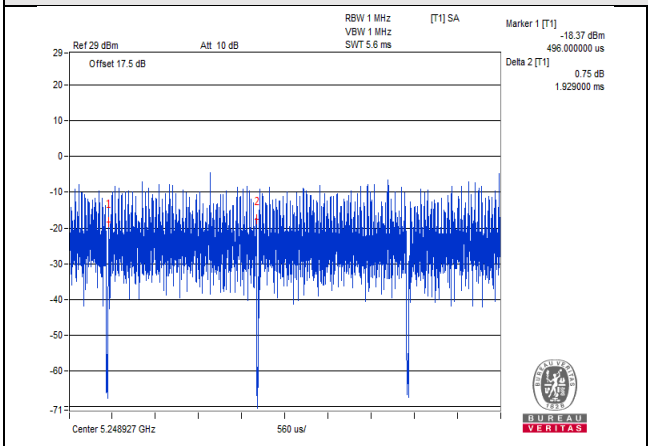




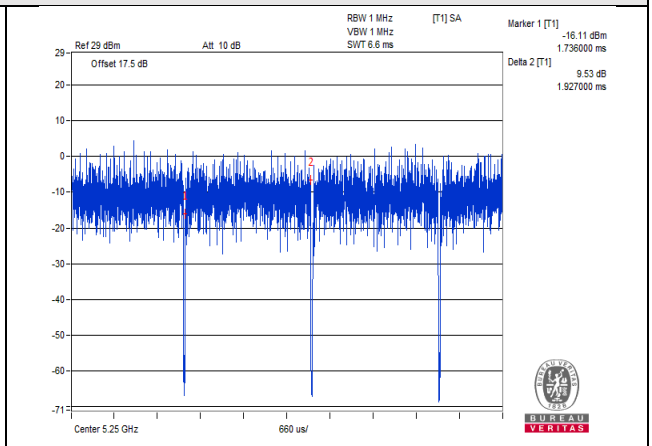


CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal



1	5248.927MHz	P = 10.046509uW



2	5250.000MHz	P = 131.394318uW

[Worst result] x [Number of antenna ports]

Test Channel		CH 36 (5180MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.026739	0.249	Pass
	1000.0 to 5140.0	0.182442	2.499	Pass
	5140.0 to 5142.0	0.548430	2.499	Pass
	5142.0 to 5150.0	1.091745	15	Pass
	5250.0 to 5251.0	0.415071	102.33	Pass
	5251.0 to 5260.0	0.517752	36.183	Pass
	5260.0 to 5266.7	0.488790	7.989	Pass
	5266.7 to 5360.0	0.529812	2.499	Pass
	5360.0 to 26000.0	2.000421	2.499	Pass
Test Channel		**CH 48 (5240MHz)**		
V_{normal}	30.0 to 1000.0	0.027678	0.249	Pass
	1000.0 to 5140.0	0.165624	2.499	Pass
	5140.0 to 5142.0	0.476565	2.499	Pass
	5142.0 to 5150.0	0.510648	15	Pass
	5250.0 to 5251.0	223.512519	881.049	Pass
	5251.0 to 5260.0	14.959083	99.084	Pass
	5260.0 to 5266.7	8.281734	14.991	Pass
	5266.7 to 5360.0	1.799373	2.499	Pass
	5360.0 to 26000.0	2.296791	2.499	Pass

Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

Test Channel		CH 52 (5260MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.029658	0.249	Pass
	1000.0 to 5140.0	0.160368	2.499	Pass
	5140.0 to 5233.3	2.449746	2.499	Pass
	5233.3 to 5240.0	8.416302	8.682	Pass
	5240.0 to 5249.0	30.139527	98.517	Pass
	5249.0 to 5250.0	395.834745	999.999	Pass
	5350.0 to 5360.0	0.499023	2.499	Pass
	5360.0 to 26000.0	2.094696	2.499	Pass
Test Channel		**CH 64 (5320MHz)**		
V_{normal}	30.0 to 1000.0	0.027360	0.249	Pass
	1000.0 to 5140.0	0.161109	2.499	Pass
	5140.0 to 5233.3	0.631134	2.499	Pass
	5233.3 to 5240.0	0.535947	9.021	Pass
	5240.0 to 5249.0	0.479868	91.575	Pass
	5249.0 to 5250.0	0.438654	232.809	Pass
	5350.0 to 5360.0	2.061204	2.499	Pass
	5360.0 to 26000.0	2.099526	2.499	Pass

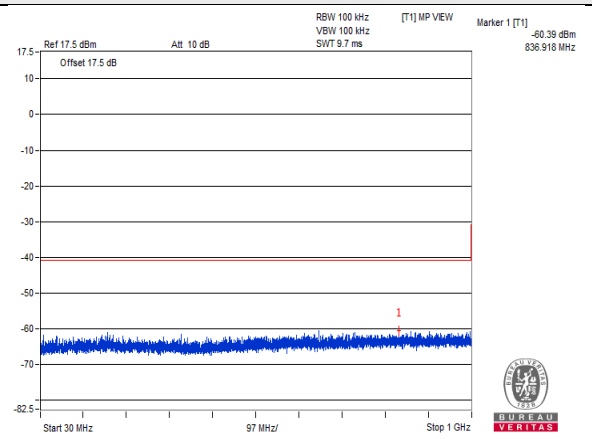
Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

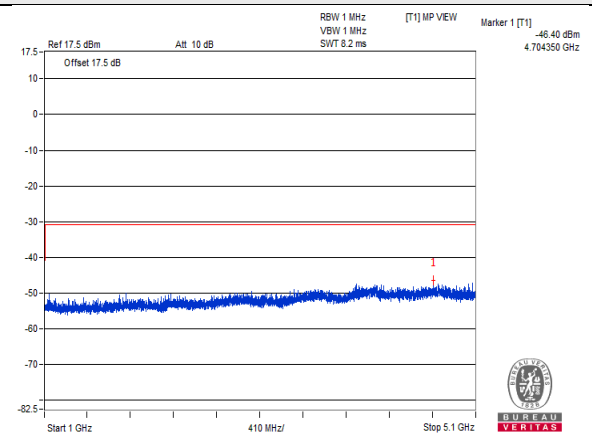
W52 & W53 Bands:
802.11ac (VHT40)
Chain 0

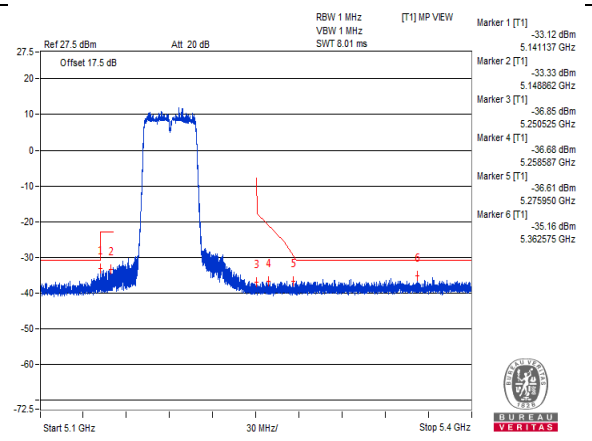
Test Channel		CH 38 (5190MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	836.918	0.000914	0.083	Pass
	1000.0 to 5100.0	4704.350	0.022909	0.833	Pass
	5100.0 to 5141.6	5141.137	0.487528	0.833	Pass
	5141.6 to 5150.0	5148.862	0.464515	5.000	Pass
	5250.0 to 5251.0	5250.525	0.206538	49.756	Pass
	5251.0 to 5270.0	5258.587	0.214783	7.987	Pass
	5270.0 to 5278.4	5275.950	0.218273	1.167	Pass
	5278.4 to 5400.0	5362.575	0.304789	0.833	Pass
	5400.0 to 26000.0	23419.850	0.052360	0.833	Pass
Test Channel		**CH 46 (5230MHz)**			
V_{normal}	30.0 to 1000.0	72.801	0.004345	0.083	Pass
	1000.0 to 5100.0	4761.237	0.019679	0.833	Pass
	5100.0 to 5141.6	5110.087	0.190546	0.833	Pass
	5141.6 to 5150.0	5143.462	0.209411	5.000	Pass
	5250.0 to 5251.0	5250.000	76.913044	166.667	Pass
	5251.0 to 5270.0	5251.050	9.289664	16.586	Pass
	5270.0 to 5278.4	5270.137	0.944061	2.592	Pass
	5278.4 to 5400.0	5280.787	0.375837	0.833	Pass
	5400.0 to 26000.0	20141.875	0.048195	0.833	Pass

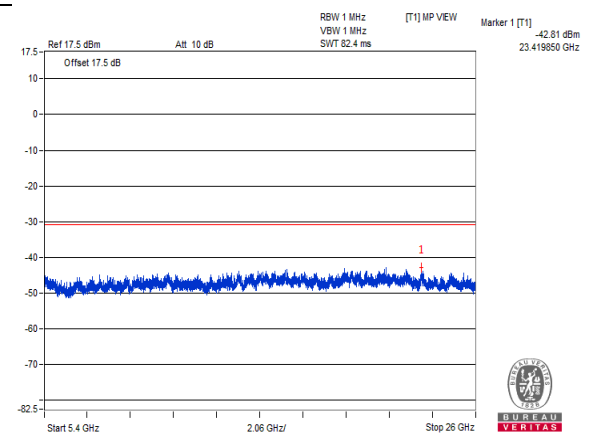
Note: The spectrum plots are attached on the following pages.

Vnormal



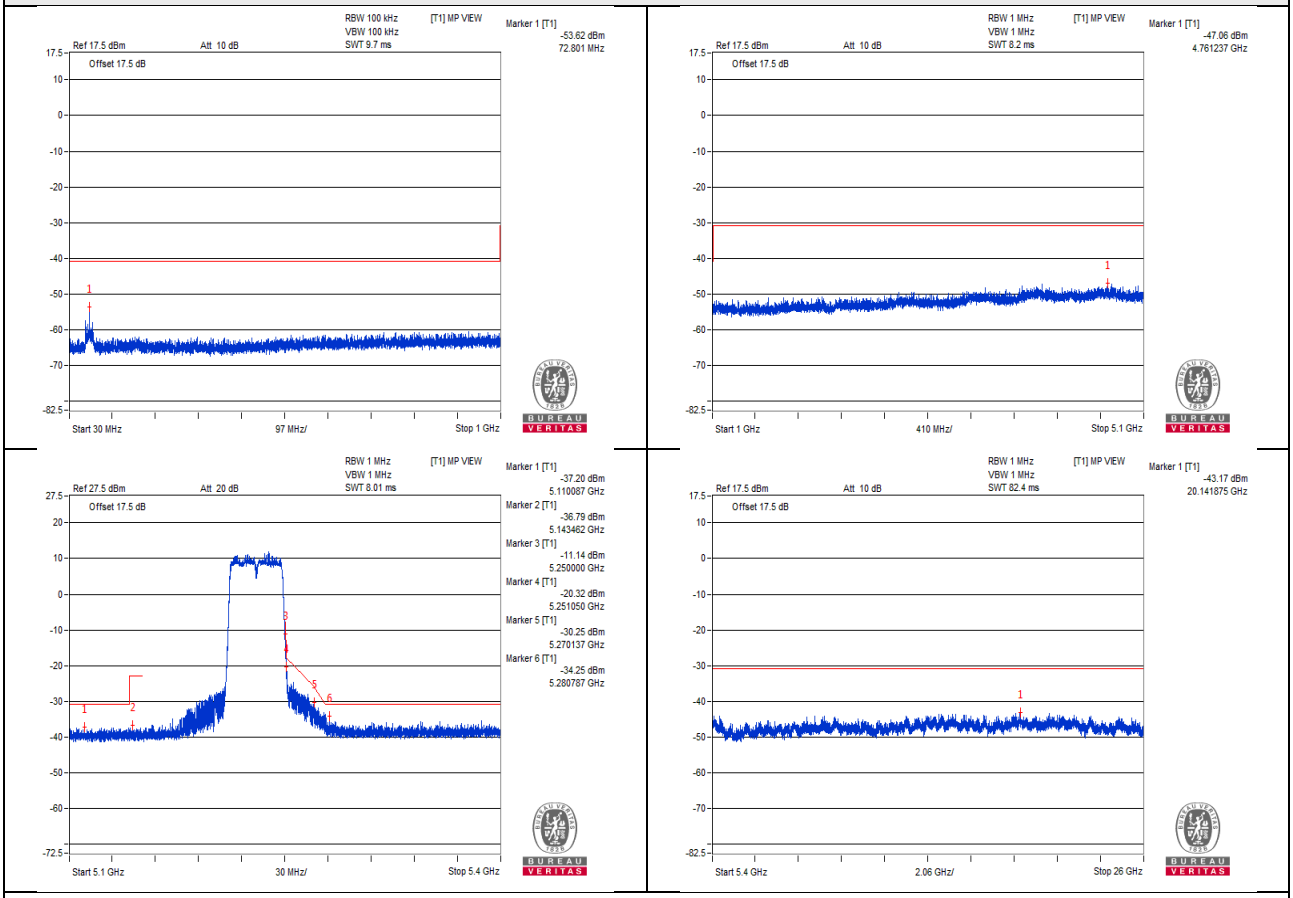






CH 38 (5190MHz)

Vnormal

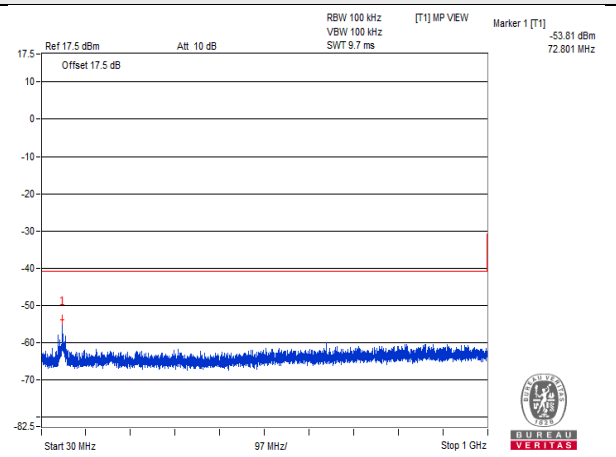


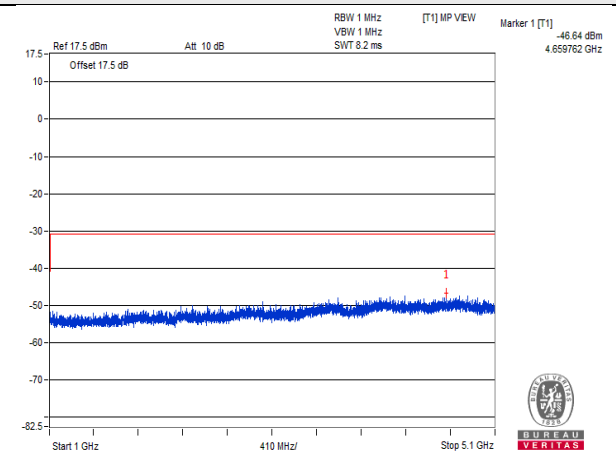
CH 46 (5230MHz)

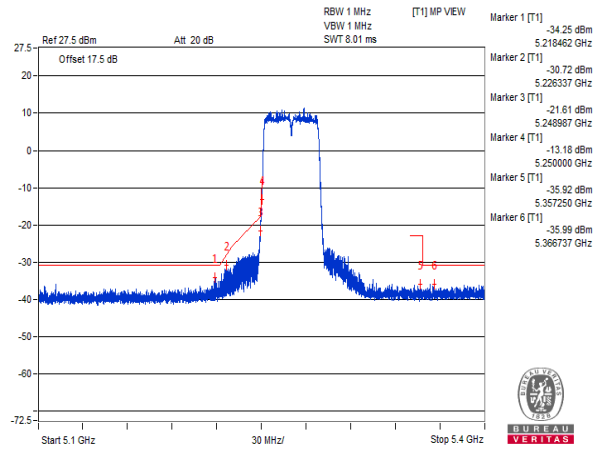
Test Channel		CH 54 (5270MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	72.801	0.004159	0.083	Pass
	1000.0 to 5100.0	4659.762	0.021677	0.833	Pass
	5100.0 to 5221.6	5218.462	0.375837	0.833	Pass
	5221.6 to 5230.0	5226.337	0.847227	1.597	Pass
	5230.0 to 5249.0	5248.987	6.902398	16.646	Pass
	5249.0 to 5250.0	5250.000	48.083935	166.667	Pass
	5350.0 to 5358.4	5357.250	0.255859	5.000	Pass
	5358.4 to 5400.0	5366.737	0.251768	0.833	Pass
	5400.0 to 26000.0	22116.900	0.046881	0.833	Pass
Test Channel		**CH 62 (5310MHz)**			
V_{normal}	30.0 to 1000.0	72.922	0.015453	0.083	Pass
	1000.0 to 5100.0	4736.125	0.022080	0.833	Pass
	5100.0 to 5221.6	5183.325	0.221309	0.833	Pass
	5221.6 to 5230.0	5228.062	0.228560	2.024	Pass
	5230.0 to 5249.0	5243.287	0.248313	9.579	Pass
	5249.0 to 5250.0	5249.925	0.199986	140.233	Pass
	5350.0 to 5358.4	5350.762	0.993116	5.000	Pass
	5358.4 to 5400.0	5358.825	0.495450	0.833	Pass
	5400.0 to 26000.0	14636.525	0.047643	0.833	Pass

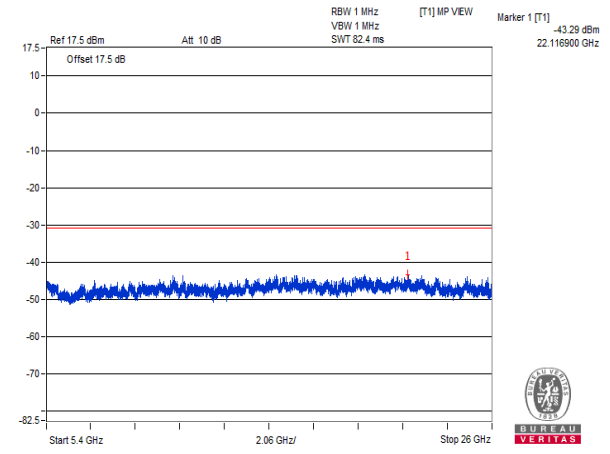
Note: The spectrum plots are attached on the following pages.

Vnormal



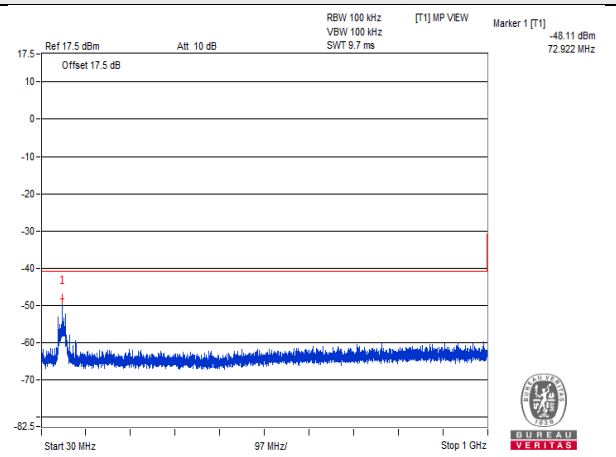


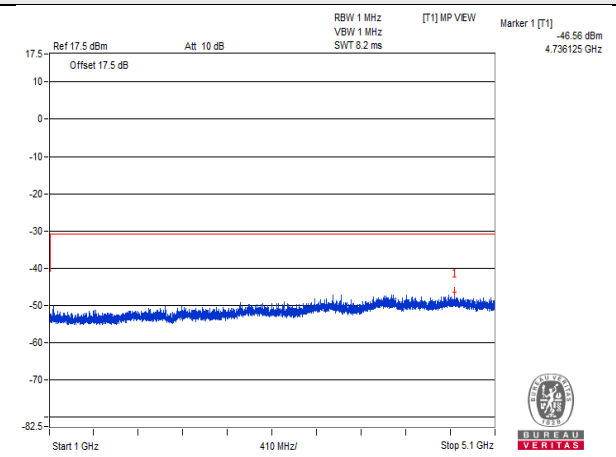


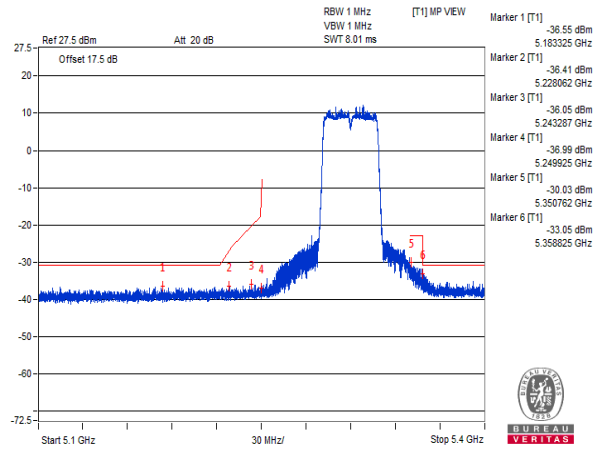


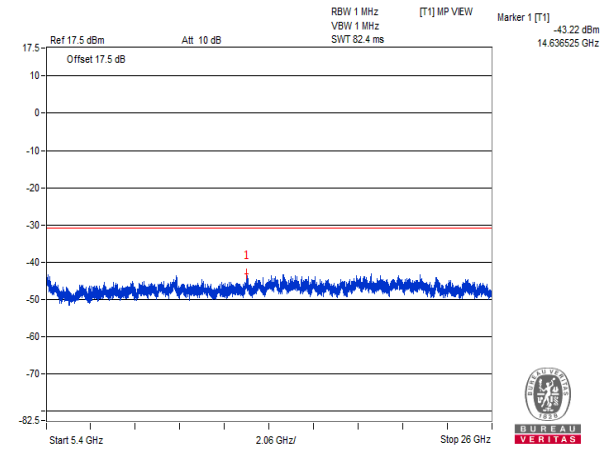
CH 54 (5270MHz)

Vnormal









CH 62 (5310MHz)

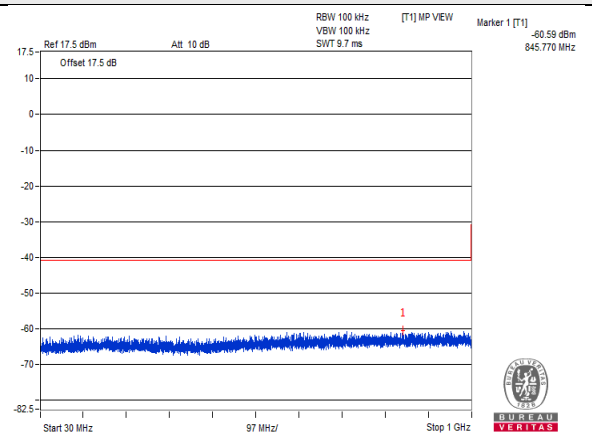
Chain 1

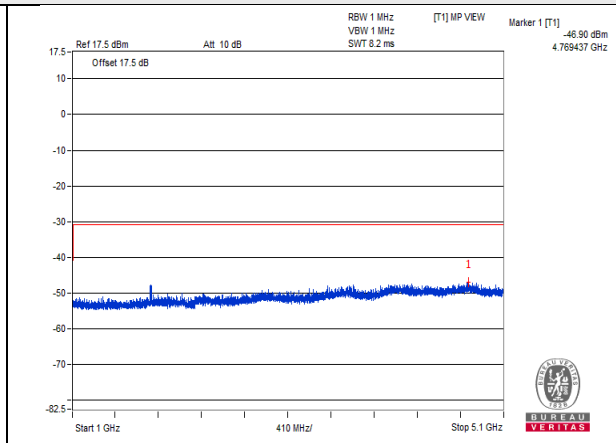
Test Channel		CH 38 (5190MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	922.642	0.000975	0.083	Pass
	1000.0 to 5100.0	4410.687	0.019588	0.833	Pass
	5100.0 to 5141.6	5136.000	0.255270	0.833	Pass
	5141.6 to 5150.0	5144.175	0.322849	5.000	Pass
	5250.0 to 5251.0	5250.000	0.238781	166.667	Pass
	5251.0 to 5270.0	5269.012	0.203236	2.907	Pass
	5270.0 to 5278.4	5271.862	0.211349	2.045	Pass
	5278.4 to 5400.0	5300.887	0.291072	0.833	Pass
	5400.0 to 26000.0	19812.275	0.054576	0.833	Pass
Test Channel		CH 46 (5230MHz)			
V_{normal}	30.0 to 1000.0	72.922	0.002716	0.083	Pass
	1000.0 to 5100.0	1025.112	0.188714	0.833	Pass(1)
	5100.0 to 5141.6	5103.262	0.246037	0.833	Pass
	5141.6 to 5150.0	5142.075	0.206538	5.000	Pass
	5250.0 to 5251.0	5250.075	60.673633	140.233	Pass
	5251.0 to 5270.0	5251.087	8.241381	16.527	Pass
	5270.0 to 5278.4	5270.737	0.716143	2.387	Pass
	5278.4 to 5400.0	5281.537	0.331894	0.833	Pass
	5400.0 to 26000.0	20414.825	0.056624	0.833	Pass

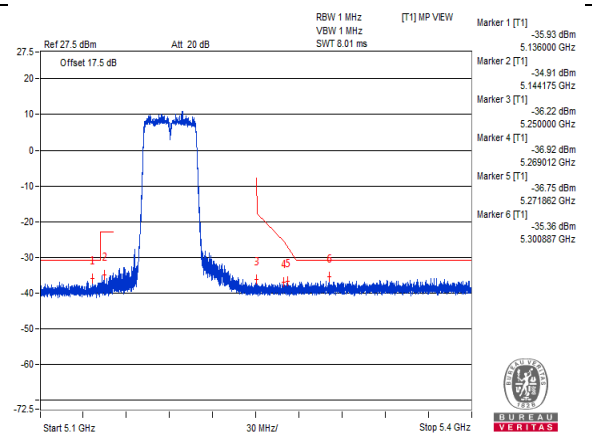
Note: 1. The spectrum plots are attached on the following pages.

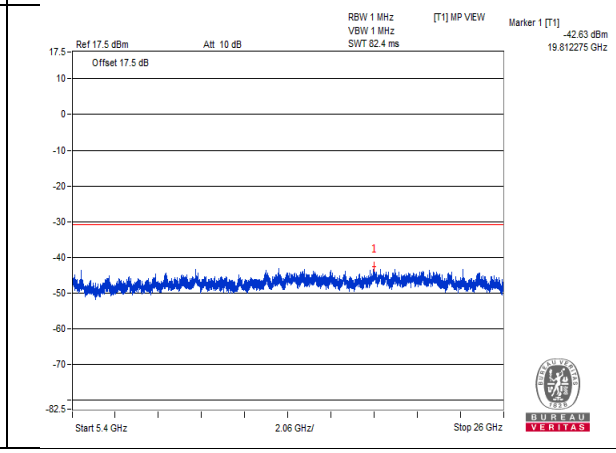
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



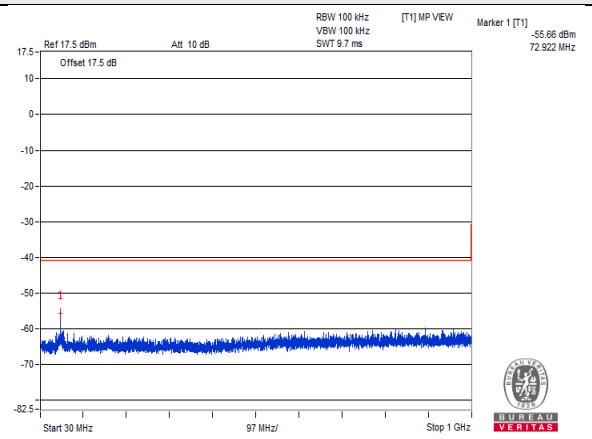


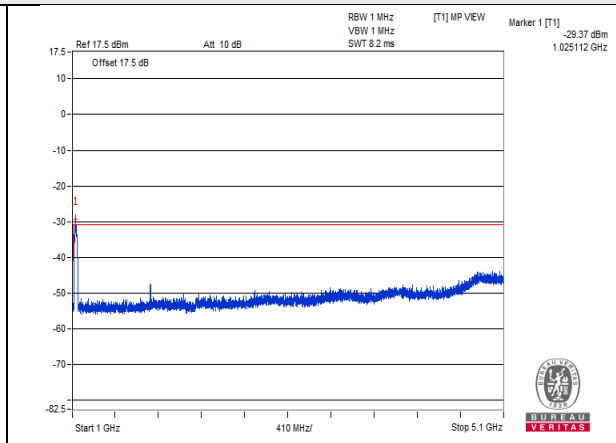


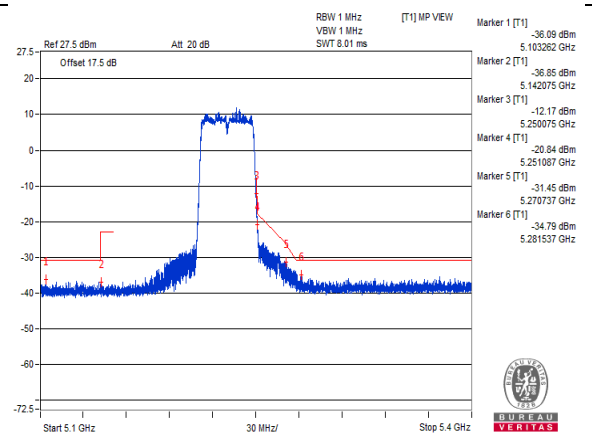


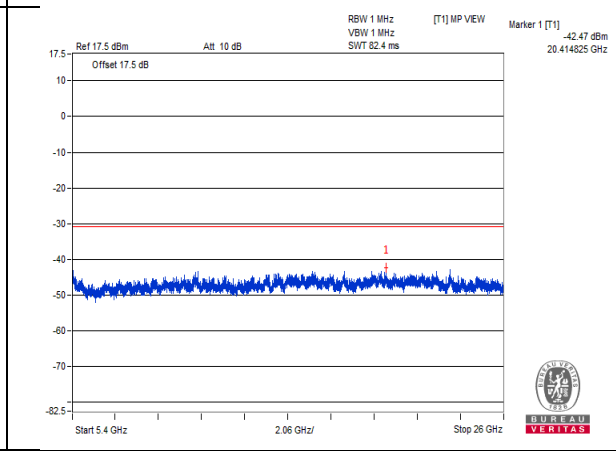
CH 38 (5190MHz)

Vnormal

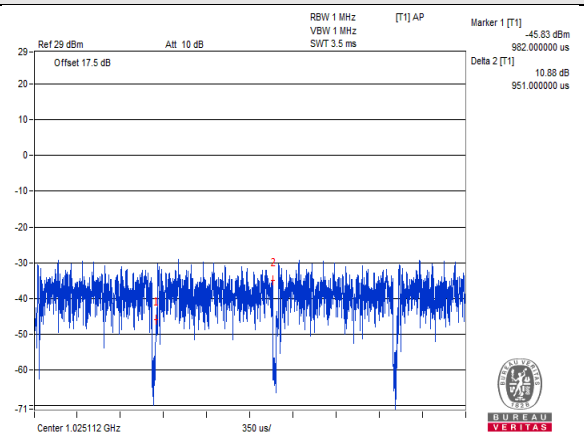








CH 46 (5230MHz)

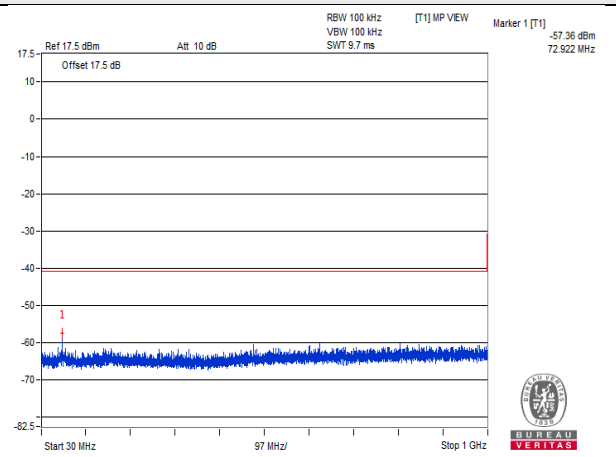
Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the “dBm” value into “uW” value. 3. It adds the all values and calculates a grand total. Define a grand total as “P”. 4. It divides “P” by sample data point (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	1025.112MHz	P = 0.188714uW			

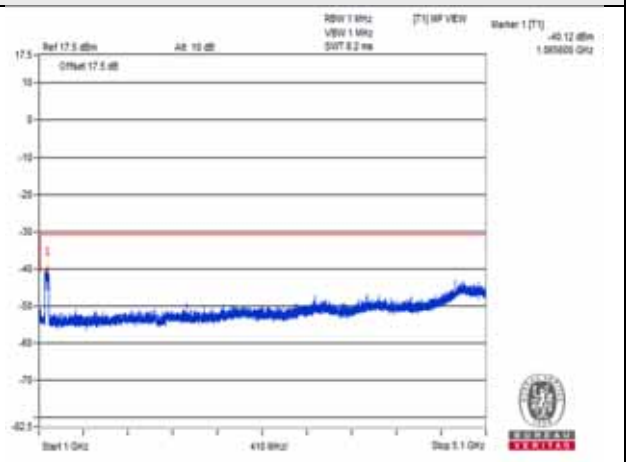
Test Channel		CH 54 (5270MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	72.922	0.001837	0.083	Pass
	1000.0 to 5100.0	1065.600	0.097275	0.833	Pass
	5100.0 to 5221.6	5217.525	0.343558	0.833	Pass
	5221.6 to 5230.0	5227.050	0.703072	1.762	Pass
	5230.0 to 5249.0	5249.000	5.821032	16.667	Pass
	5249.0 to 5250.0	5250.000	49.090788	166.667	Pass
	5350.0 to 5358.4	5356.237	0.261818	5.000	Pass
	5358.4 to 5400.0	5366.737	0.345939	0.833	Pass
	5400.0 to 26000.0	22534.05	0.047534	0.833	Pass
Test Channel		**CH 62 (5310MHz)**			
V_{normal}	30.0 to 1000.0	72.922	0.001841	0.083	Pass
	1000.0 to 5100.0	4741.250	0.019543	0.833	Pass
	5100.0 to 5221.6	5194.200	0.216272	0.833	Pass
	5221.6 to 5230.0	5223.862	0.183654	1.137	Pass
	5230.0 to 5249.0	5234.062	0.256448	3.916	Pass
	5249.0 to 5250.0	5249.662	0.177419	76.533	Pass
	5350.0 to 5358.4	5350.500	0.651628	5.000	Pass
	5358.4 to 5400.0	5360.887	0.311889	0.833	Pass
	5400.0 to 26000.0	15942.050	0.053703	0.833	Pass

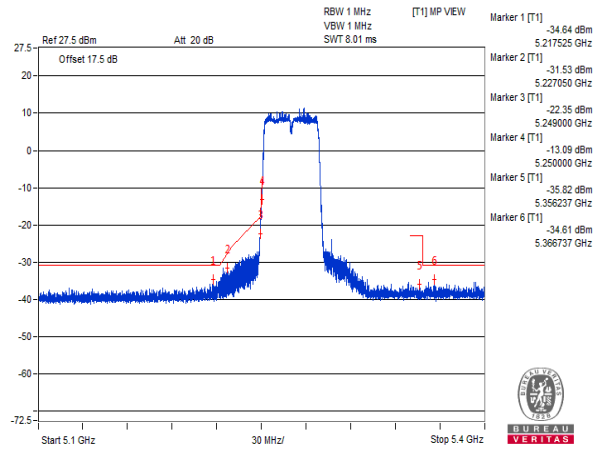
Note: 1. The spectrum plots are attached on the following pages.

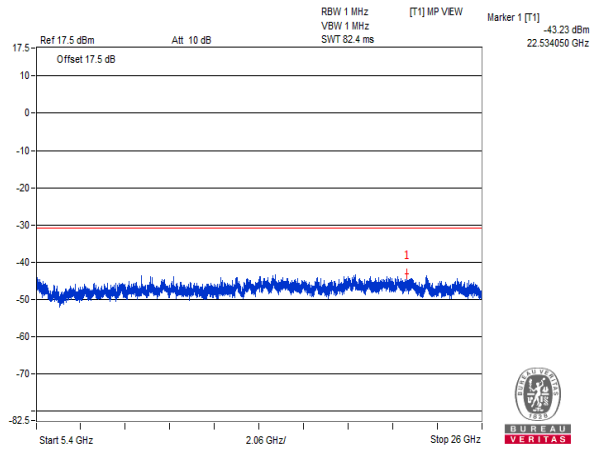
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



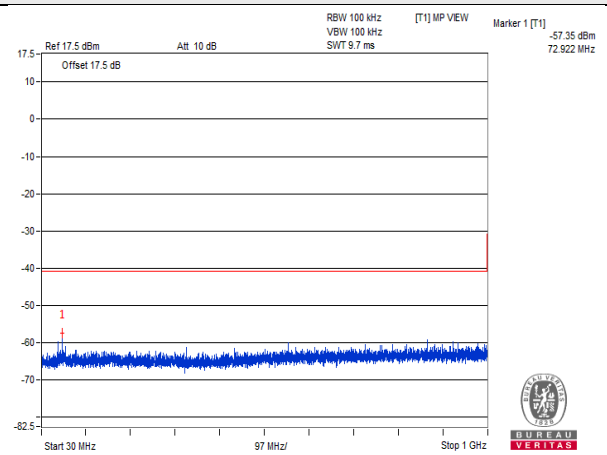


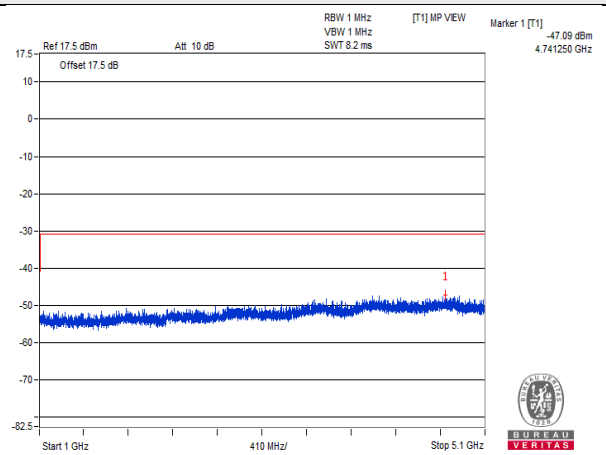


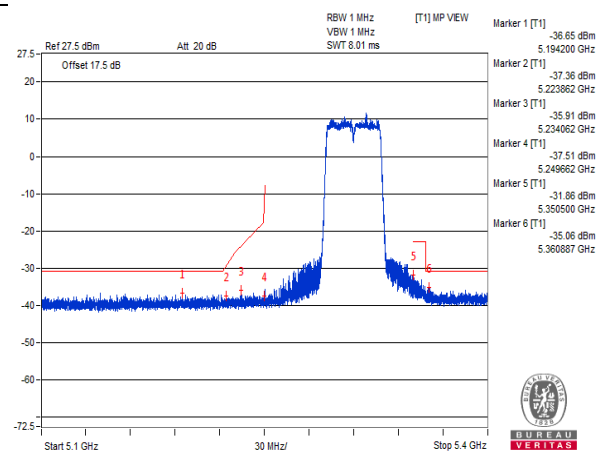


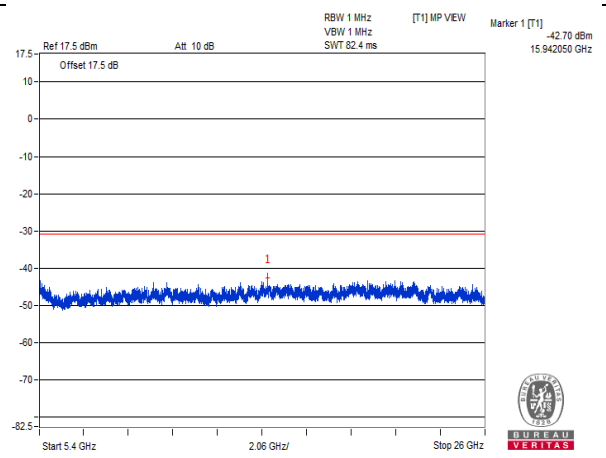
CH 54 (5270MHz)

Vnormal









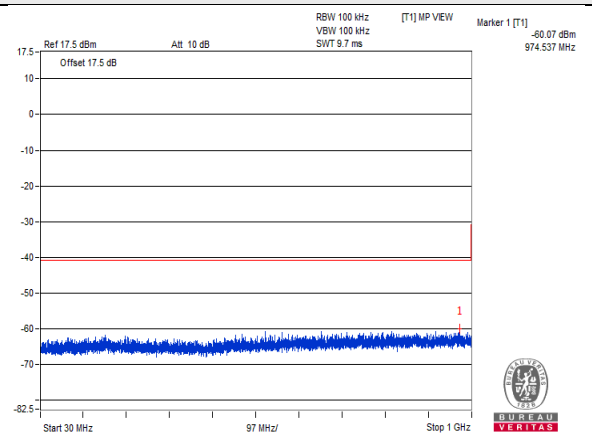
CH 62 (5310MHz)

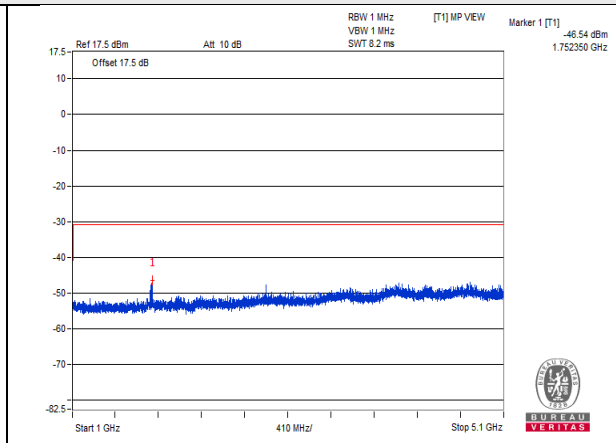
Chain 2

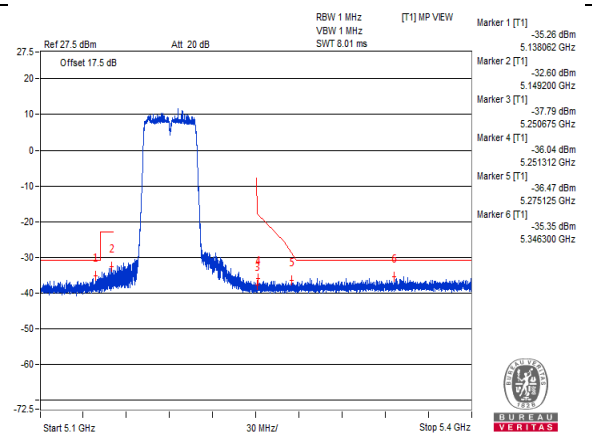
Test Channel		CH 38 (5190MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	974.537	0.000984	0.083	Pass
	1000.0 to 5100.0	1752.350	0.022182	0.833	Pass
	5100.0 to 5141.6	5138.062	0.297852	0.833	Pass
	5141.6 to 5150.0	5149.200	0.549541	5.000	Pass
	5250.0 to 5251.0	5250.675	0.166341	35.225	Pass
	5251.0 to 5270.0	5251.312	0.248886	16.170	Pass
	5270.0 to 5278.4	5275.125	0.225424	1.307	Pass
	5278.4 to 5400.0	5346.300	0.291743	0.833	Pass
	5400.0 to 26000.0	22101.450	0.055719	0.833	Pass
Test Channel		**CH 46 (5230MHz)**			
V_{normal}	30.0 to 1000.0	72.922	0.005521	0.083	Pass
	1000.0 to 5100.0	4811.462	0.018365	0.833	Pass
	5100.0 to 5141.6	5105.587	0.208449	0.833	Pass
	5141.6 to 5150.0	5146.837	0.172187	5.000	Pass
	5250.0 to 5251.0	5250.112	46.025657	128.780	Pass
	5251.0 to 5270.0	5251.275	5.610480	16.228	Pass
	5270.0 to 5278.4	5270.700	0.528445	2.399	Pass
	5278.4 to 5400.0	5364.562	0.269774	0.833	Pass
	5400.0 to 26000.0	14603.050	0.048417	0.833	Pass

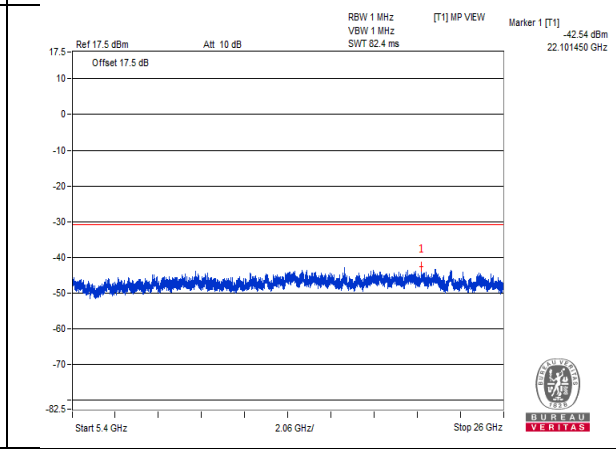
Note: The spectrum plots are attached on the following pages.

Vnormal



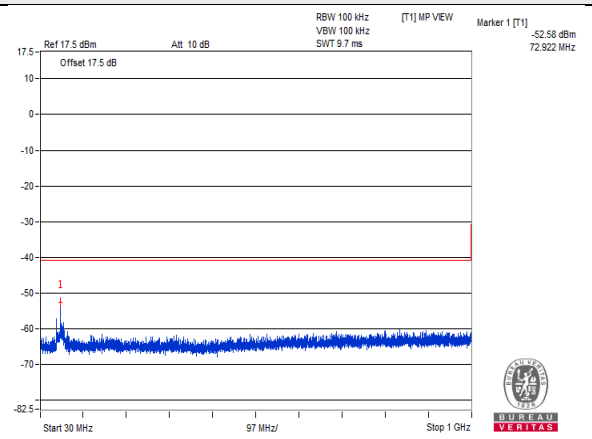


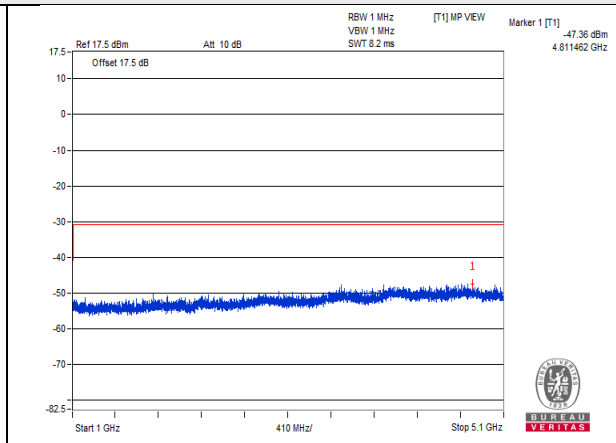


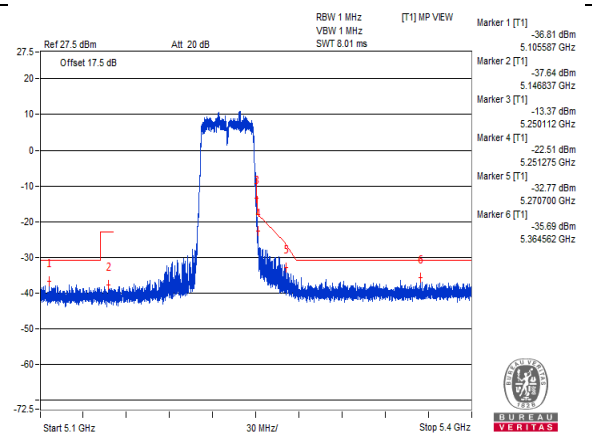


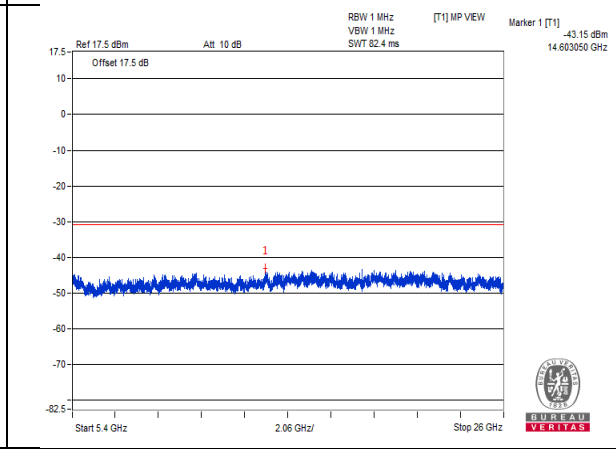
CH 38 (5190MHz)

Vnormal







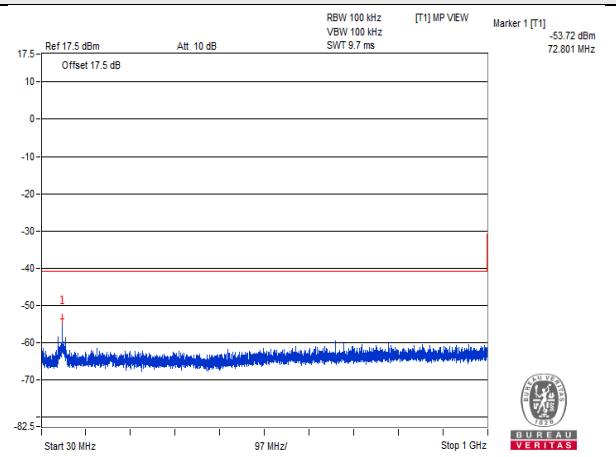


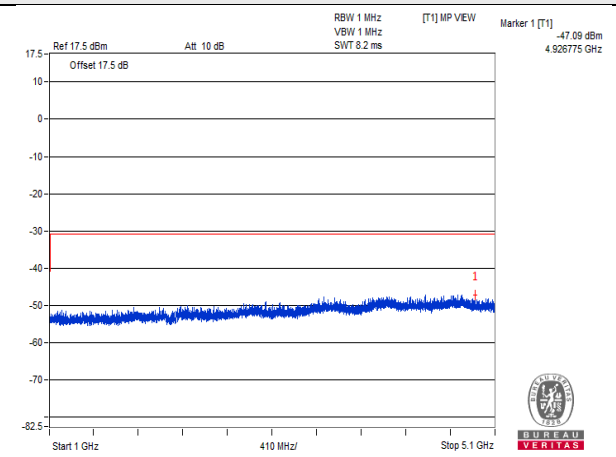
CH 46 (5230MHz)

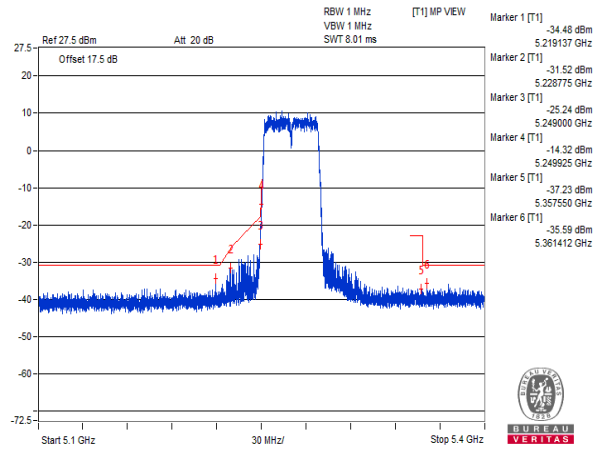
Test Channel		CH 54 (5270MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	72.801	0.004246	0.083	Pass
	1000.0 to 5100.0	4926.775	0.019543	0.833	Pass
	5100.0 to 5221.6	5219.137	0.356451	0.833	Pass
	5221.6 to 5230.0	5228.775	0.704693	2.232	Pass
	5230.0 to 5249.0	5249.000	2.992265	16.667	Pass
	5249.0 to 5250.0	5249.925	36.982818	140.233	Pass
	5350.0 to 5358.4	5357.550	0.189234	5.000	Pass
	5358.4 to 5400.0	5361.412	0.276058	0.833	Pass
	5400.0 to 26000.0	20850.000	0.050933	0.833	Pass
Test Channel		**CH 62 (5310MHz)**			
V_{normal}	30.0 to 1000.0	72.801	0.005297	0.083	Pass
	1000.0 to 5100.0	4780.200	0.018967	0.833	Pass
	5100.0 to 5221.6	5197.125	0.213304	0.833	Pass
	5221.6 to 5230.0	5227.762	0.184077	1.942	Pass
	5230.0 to 5249.0	5241.600	0.229615	8.133	Pass
	5249.0 to 5250.0	5249.625	0.159221	70.283	Pass
	5350.0 to 5358.4	5350.012	0.650130	5.000	Pass
	5358.4 to 5400.0	5366.062	0.363078	0.833	Pass
	5400.0 to 26000.0	19765.925	0.049091	0.833	Pass

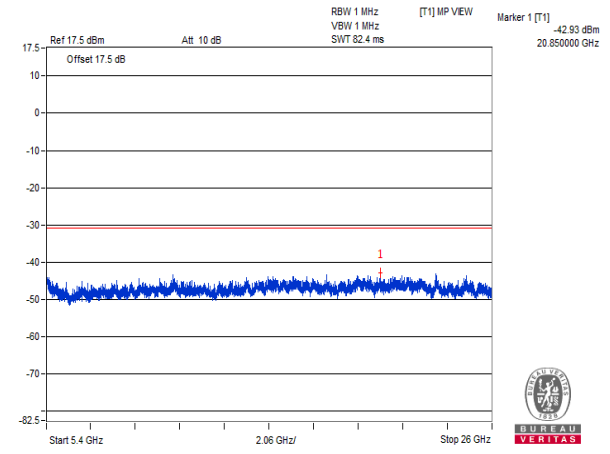
Note: The spectrum plots are attached on the following pages.

Vnormal



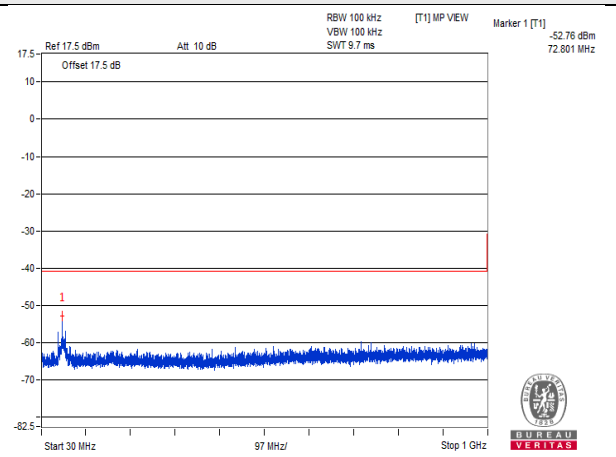


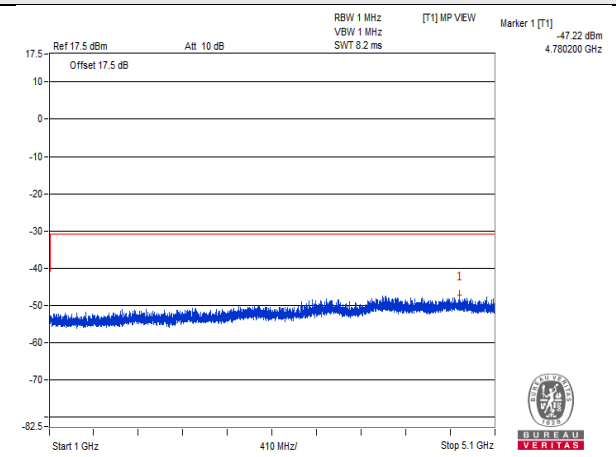


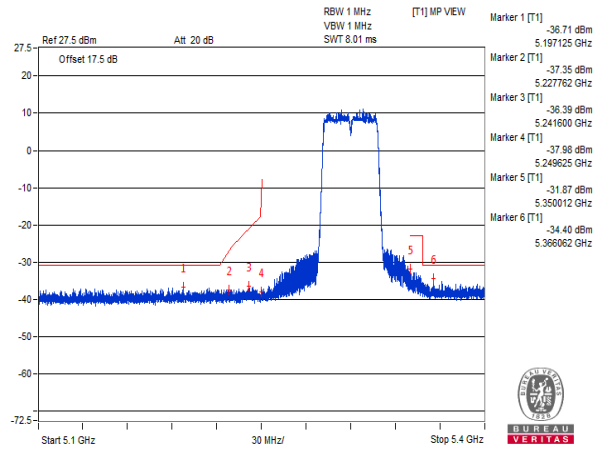


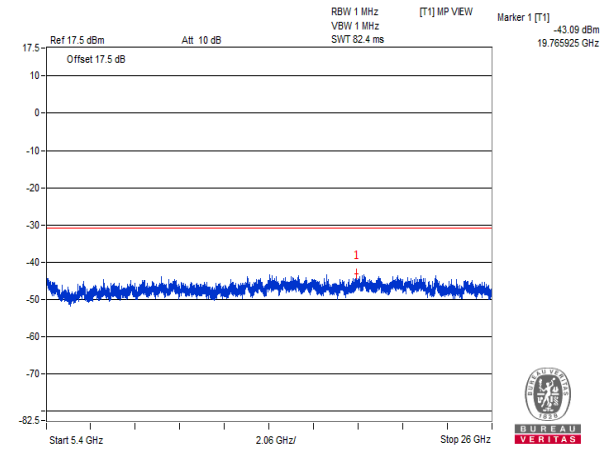
CH 54 (5270MHz)

Vnormal









CH 62 (5310MHz)

[Worst result] x [Number of antenna ports]

Test Channel		CH 38 (5190MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.002952	0.249	Pass
	1000.0 to 5100.0	0.068727	2.499	Pass
	5100.0 to 5141.6	1.462584	2.499	Pass
	5141.6 to 5150.0	1.648623	15	Pass
	5250.0 to 5251.0	0.716343	500.001	Pass
	5251.0 to 5270.0	0.746658	48.51	Pass
	5270.0 to 5278.4	0.676272	3.921	Pass
	5278.4 to 5400.0	0.914367	2.499	Pass
	5400.0 to 26000.0	0.167157	2.499	Pass
Test Channel		**CH 46 (5230MHz)**		
V_{normal}	30.0 to 1000.0	0.016563	0.249	Pass
	1000.0 to 5100.0	0.566142	2.499	Pass
	5100.0 to 5141.6	0.738111	2.499	Pass
	5141.6 to 5150.0	0.628233	15	Pass
	5250.0 to 5251.0	230.739132	500.001	Pass
	5251.0 to 5270.0	27.868992	49.758	Pass
	5270.0 to 5278.4	2.832183	7.776	Pass
	5278.4 to 5400.0	1.127511	2.499	Pass
	5400.0 to 26000.0	0.169872	2.499	Pass

Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

Test Channel		CH 54 (5270MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.012738	0.249	Pass
	1000.0 to 5100.0	0.291825	2.499	Pass
	5100.0 to 5221.6	1.127511	2.499	Pass
	5221.6 to 5230.0	2.541681	4.791	Pass
	5230.0 to 5249.0	20.707194	49.938	Pass
	5249.0 to 5250.0	147.272364	500.001	Pass
	5350.0 to 5358.4	0.785454	15	Pass
	5358.4 to 5400.0	1.037817	2.499	Pass
	5400.0 to 26000.0	0.152799	2.499	Pass
Test Channel		**CH 62 (5310MHz)**		
V_{normal}	30.0 to 1000.0	0.046359	0.249	Pass
	1000.0 to 5100.0	0.066240	2.499	Pass
	5100.0 to 5221.6	0.663927	2.499	Pass
	5221.6 to 5230.0	0.685680	6.072	Pass
	5230.0 to 5249.0	0.769344	11.748	Pass
	5249.0 to 5250.0	0.599958	420.699	Pass
	5350.0 to 5358.4	2.979348	15	Pass
	5358.4 to 5400.0	1.486350	2.499	Pass
	5400.0 to 26000.0	0.161109	2.499	Pass

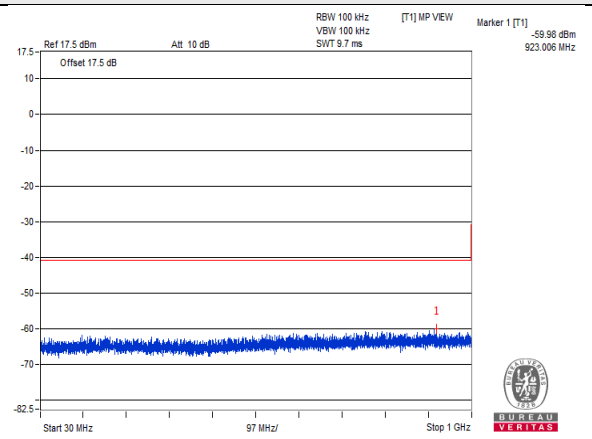
Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

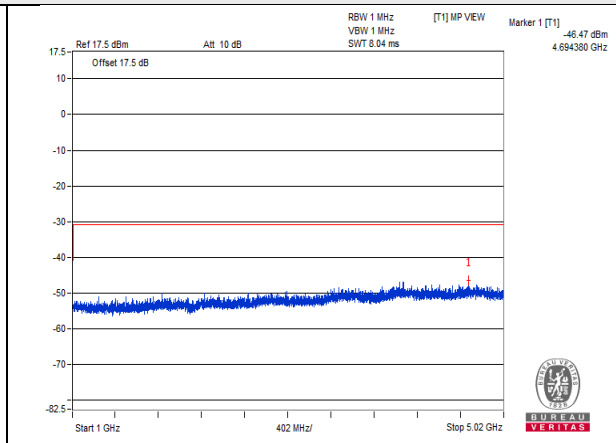
W52 & W53 Bands:
802.11ac (VHT80)
Chain 0

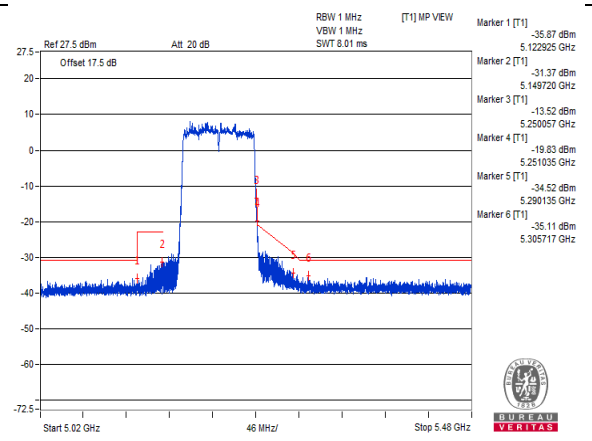
Test Channel		CH 42 (5210MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	923.006	0.001005	0.083	Pass
	1000.0 to 5020.0	4694.380	0.022542	0.833	Pass
	5020.0 to 5123.2	5122.925	0.258821	0.833	Pass
	5123.2 to 5150.0	5149.720	0.729458	5.000	Pass
	5250.0 to 5251.0	5250.057	44.463127	73.083	Pass
	5251.0 to 5290.0	5251.035	0.362802	8.320	Pass(1)
	5290.0 to 5296.7	5290.135	0.353183	1.309	Pass
	5296.7 to 5480.0	5305.717	0.308319	0.833	Pass
	5480.0 to 26000.0	15237.260	0.046989	0.833	Pass

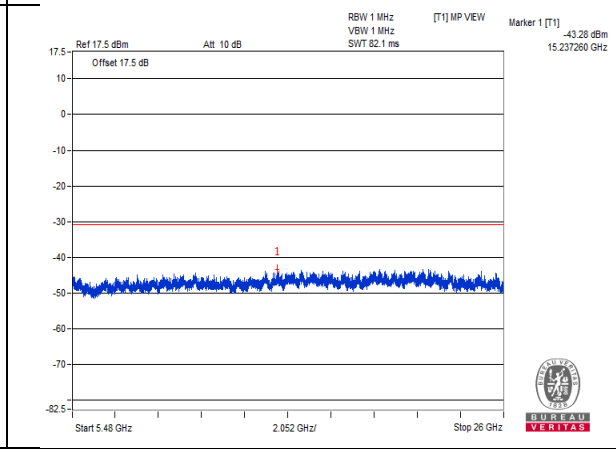
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal

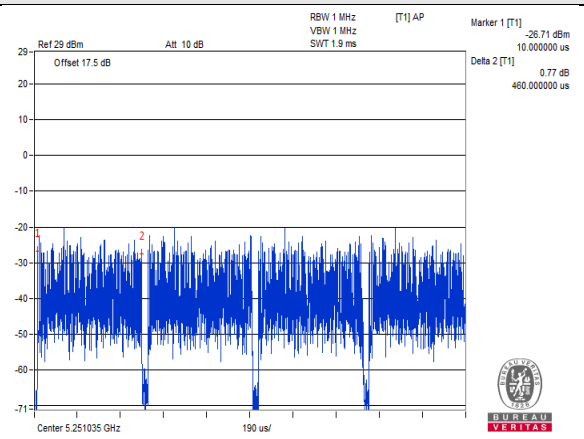








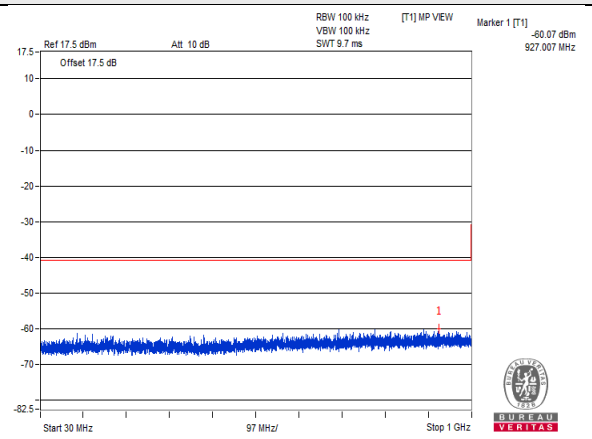
CH 42 (5210MHz)

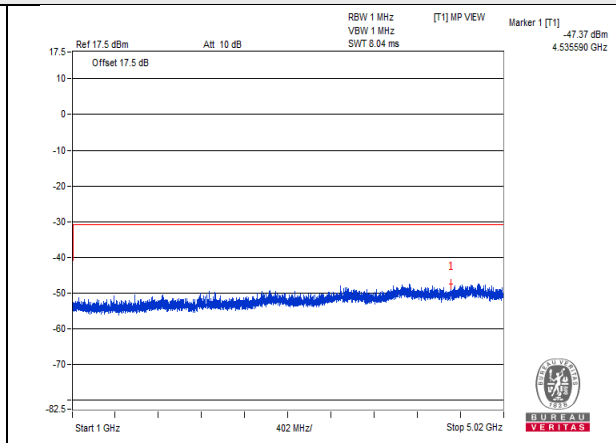
Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the “dBm” value into “uW” value. 3. It adds the all values and calculates a grand total. Define a grand total as “P”. 4. It divides “P” by sample data point (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5251.035MHz	P = 0.362802uW			

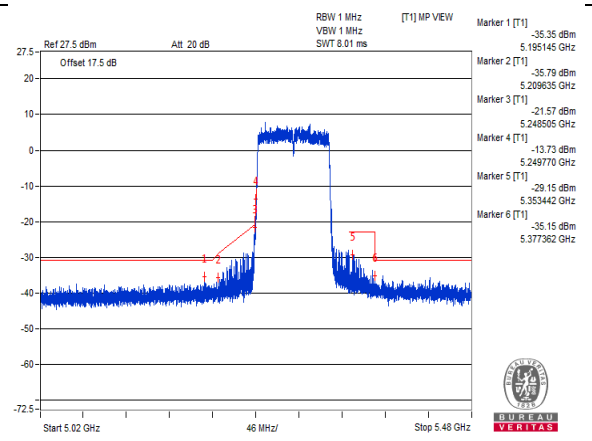
Test Channel		CH 58 (5290MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	927.007	0.000984	0.083	Pass
	1000.0 to 5020.0	4535.590	0.018323	0.833	Pass
	5020.0 to 5203.3	5195.145	0.291743	0.833	Pass
	5203.3 to 5210.0	5209.635	0.263633	1.288	Pass
	5210.0 to 5249.0	5248.505	6.966265	8.141	Pass
	5249.0 to 5250.0	5249.770	42.364297	49.070	Pass
	5350.0 to 5376.8	5353.442	1.216186	5.000	Pass
	5376.8 to 5480.0	5377.362	0.305492	0.833	Pass
	5480.0 to 26000.0	19861.955	0.054200	0.833	Pass

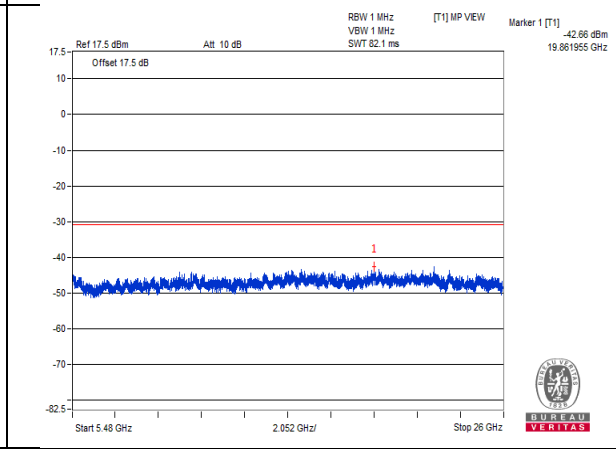
Note: The spectrum plots are attached on the following pages.

Vnormal









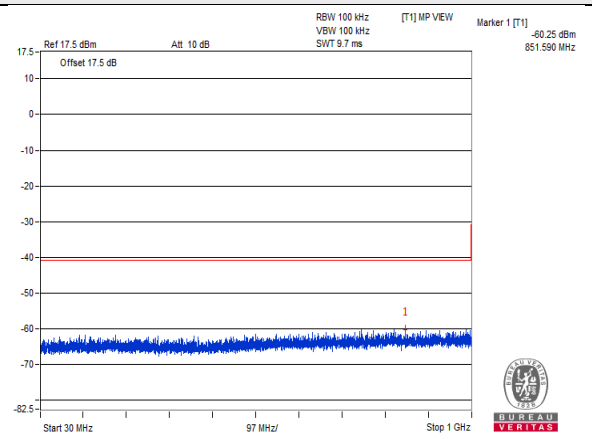
CH 58 (5290MHz)

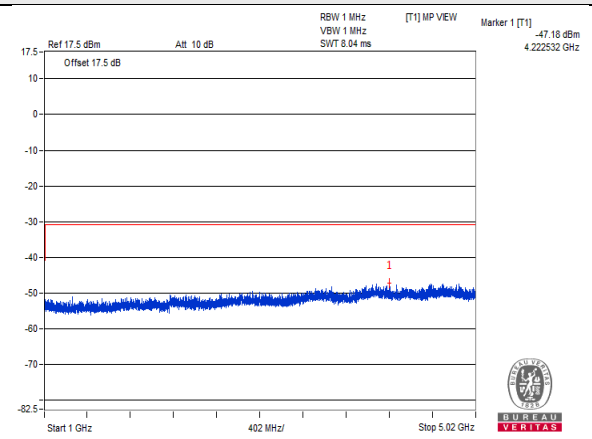
Chain 1

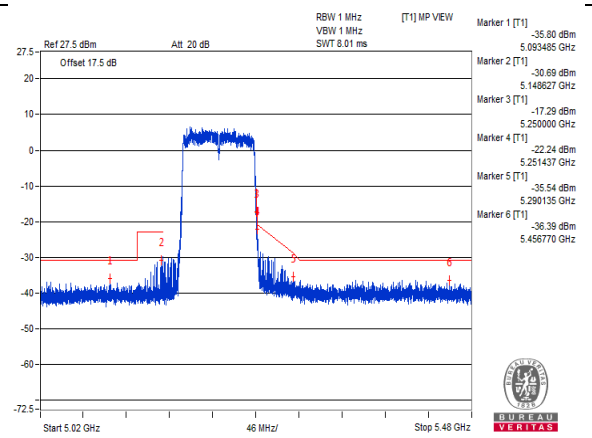
Test Channel		CH 42 (5210MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	851.590	0.000944	0.083	Pass
	1000.0 to 5020.0	4222.532	0.019143	0.833	Pass
	5020.0 to 5123.2	5093.485	0.263027	0.833	Pass
	5123.2 to 5150.0	5148.627	0.853100	5.000	Pass
	5250.0 to 5251.0	5250.000	18.663797	83.333	Pass
	5251.0 to 5290.0	5251.437	5.970353	8.163	Pass
	5290.0 to 5296.7	5290.135	0.279254	1.309	Pass
	5296.7 to 5480.0	5456.770	0.229615	0.833	Pass
	5480.0 to 26000.0	22752.710	0.049888	0.833	Pass

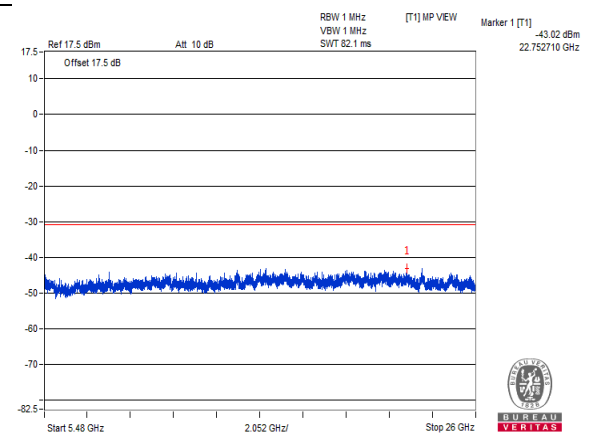
Note: The spectrum plots are attached on the following pages.

Vnormal







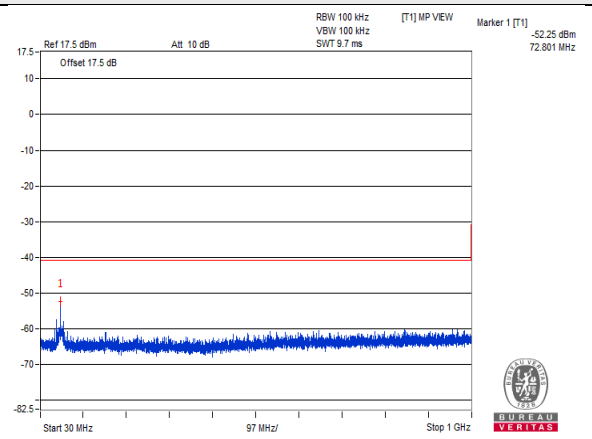


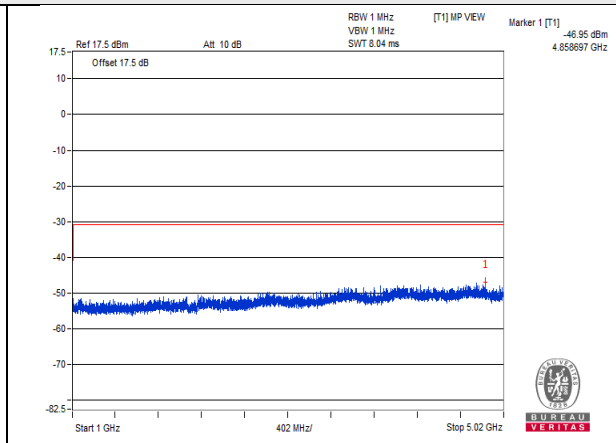
CH 42 (5210MHz)

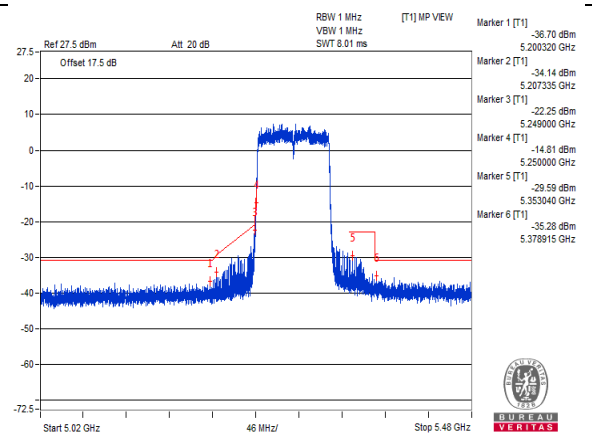
Test Channel		CH 58 (5290MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	72.801	0.005957	0.083	Pass
	1000.0 to 5020.0	4858.697	0.020184	0.833	Pass
	5020.0 to 5203.3	5200.320	0.213796	0.833	Pass
	5203.3 to 5210.0	5207.335	0.385478	1.100	Pass
	5210.0 to 5249.0	5249.000	5.956621	8.333	Pass
	5249.0 to 5250.0	5250.000	33.036954	83.333	Pass
	5350.0 to 5376.8	5353.040	1.099006	5.000	Pass
	5376.8 to 5480.0	5378.915	0.296483	0.833	Pass
	5480.0 to 26000.0	14649.875	0.054954	0.833	Pass

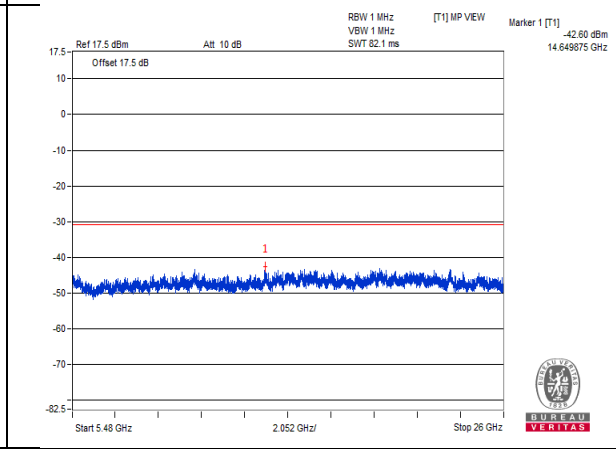
Note: The spectrum plots are attached on the following pages.

Vnormal









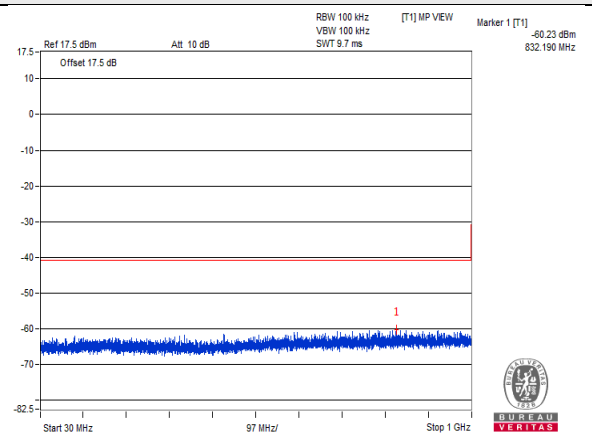
CH 58 (5290MHz)

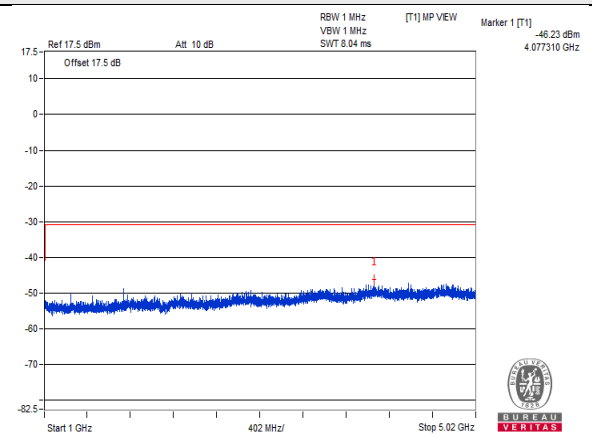
Chain 2

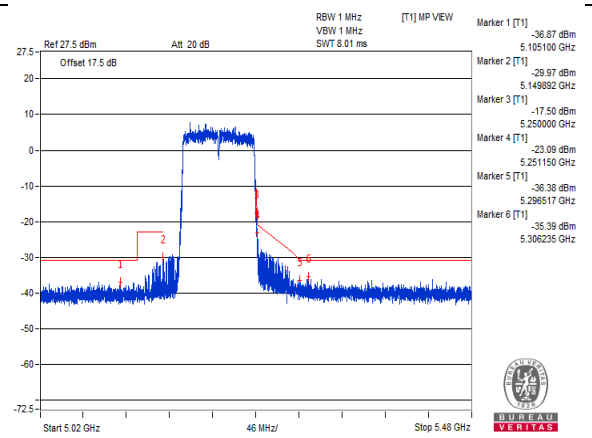
Test Channel		CH 42 (5210MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	832.190	0.000948	0.083	Pass
	1000.0 to 5020.0	4077.310	0.023823	0.833	Pass
	5020.0 to 5123.2	5105.100	0.205589	0.833	Pass
	5123.2 to 5150.0	5149.892	1.006932	5.000	Pass
	5250.0 to 5251.0	5250.000	17.782794	83.333	Pass
	5251.0 to 5290.0	5251.150	4.909079	8.275	Pass
	5290.0 to 5296.7	5296.517	0.230144	0.844	Pass
	5296.7 to 5480.0	5306.235	0.289068	0.833	Pass
	5480.0 to 26000.0	16378.685	0.049204	0.833	Pass

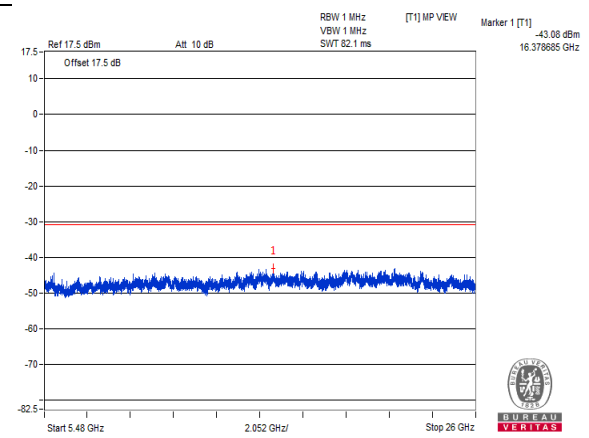
Note: The spectrum plots are attached on the following pages.

Vnormal







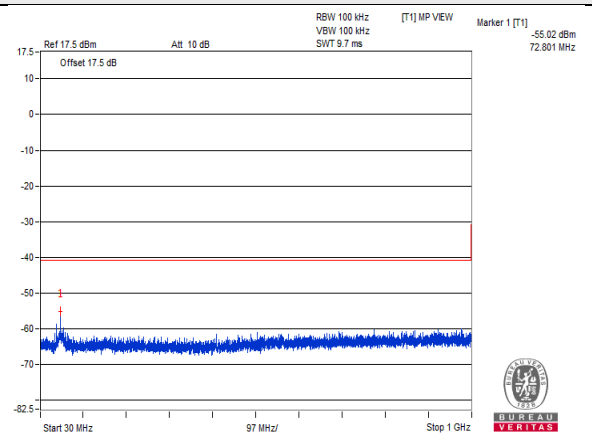


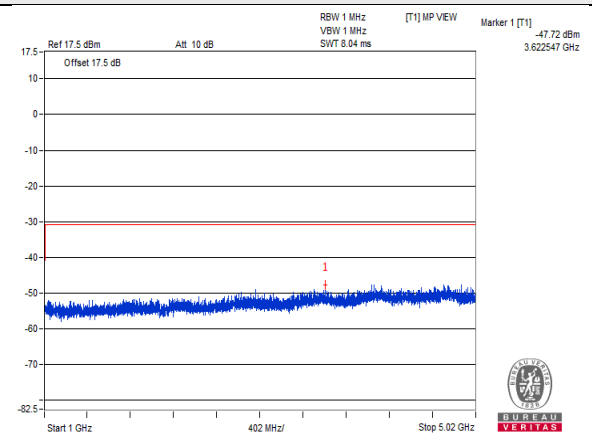
CH 42 (5210MHz)

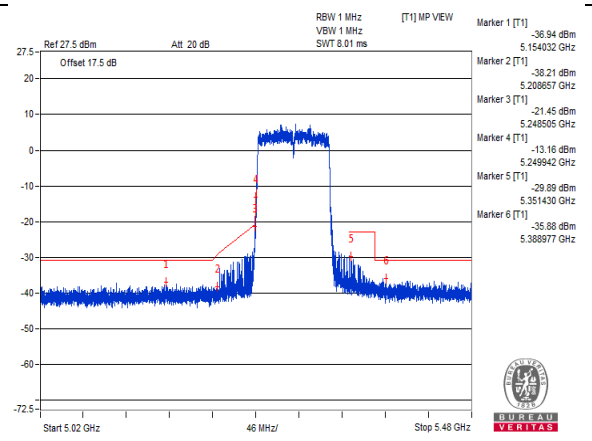
Test Channel		CH 58 (5290MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	72.801	0.003148	0.083	Pass
	1000.0 to 5020.0	3622.547	0.016904	0.833	Pass
	5020.0 to 5203.3	5154.032	0.202302	0.833	Pass
	5203.3 to 5210.0	5208.657	0.151008	1.204	Pass
	5210.0 to 5249.0	5248.505	7.161434	8.141	Pass
	5249.0 to 5250.0	5249.942	48.305880	72.915	Pass
	5350.0 to 5376.8	5351.430	1.025652	5.000	Pass
	5376.8 to 5480.0	5388.977	0.258226	0.833	Pass
	5480.0 to 26000.0	23481.170	0.051880	0.833	Pass

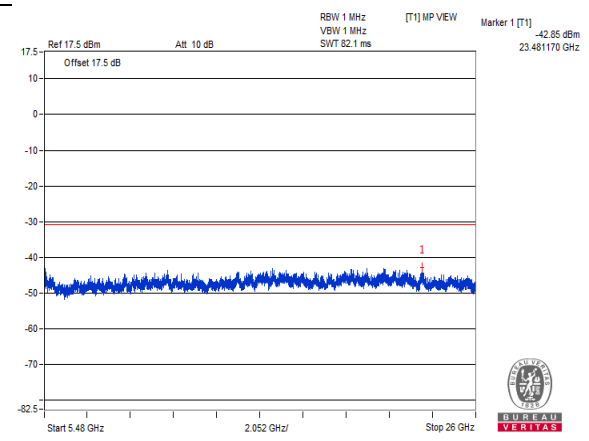
Note: The spectrum plots are attached on the following pages.

Vnormal









CH 58 (5290MHz)

[Worst result] x [Number of antenna ports]

Test Channel		CH 42 (5210MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.003015	0.249	Pass
	1000.0 to 5020.0	0.071469	2.499	Pass
	5020.0 to 5123.2	0.789081	2.499	Pass
	5123.2 to 5150.0	3.020796	15	Pass
	5250.0 to 5251.0	133.389381	219.249	Pass
	5251.0 to 5290.0	17.911059	24.489	Pass
	5290.0 to 5296.7	1.059549	3.927	Pass
	5296.7 to 5480.0	0.924957	2.499	Pass
	5480.0 to 26000.0	0.149664	2.499	Pass

Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

Test Channel		CH 58 (5290MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.017871	0.249	Pass
	1000.0 to 5020.0	0.060552	2.499	Pass
	5020.0 to 5203.3	0.875229	2.499	Pass
	5203.3 to 5210.0	1.156434	3.3	Pass
	5210.0 to 5249.0	21.484302	24.423	Pass
	5249.0 to 5250.0	144.917640	218.745	Pass
	5350.0 to 5376.8	3.648558	15	Pass
	5376.8 to 5480.0	0.916476	2.499	Pass
	5480.0 to 26000.0	0.164862	2.499	Pass

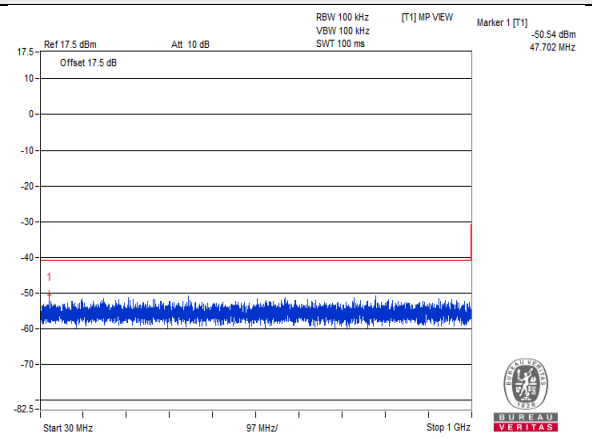
Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

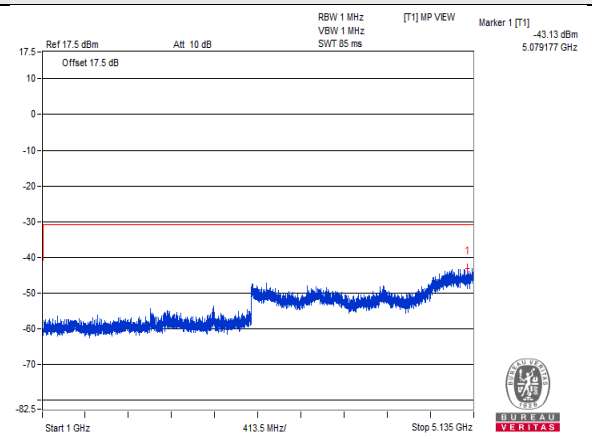
W52 & W53 Bands:
802.11ax (HE20)
Chain 0

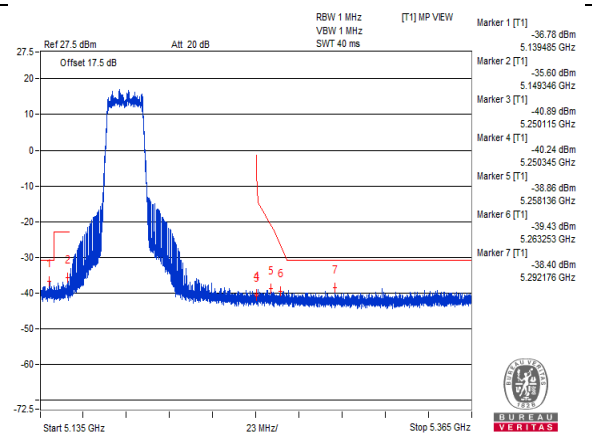
Test Channel		CH 36 (5180MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	47.702	0.008831	0.083	Pass
	1000.0 to 5135.0	5079.177	0.048641	0.833	Pass
	5135.0 to 5142.0	5139.485	0.209894	0.833	Pass
	5142.0 to 5150.0	5149.346	0.275423	5.000	Pass
	5250.0 to 5250.2	5250.115	0.081470	354.442	Pass
	5250.2 to 5251.0	5250.345	0.094624	150.619	Pass
	5251.0 to 5260.0	5258.136	0.130017	7.737	Pass
	5260.0 to 5266.7	5263.253	0.114025	2.155	Pass
	5266.7 to 5365.0	5292.176	0.144544	0.833	Pass
	5365.0 to 26000.0	25734.324	0.443609	0.833	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	526.276	0.008650	0.083	Pass
	1000.0 to 5135.0	4959.779	0.043152	0.833	Pass
	5135.0 to 5142.0	5138.421	0.146218	0.833	Pass
	5142.0 to 5150.0	5145.608	0.129718	5.000	Pass
	5250.0 to 5250.2	5250.028	392.244755	604.708	Pass(1)
	5250.2 to 5251.0	5250.201	193.740440	209.835	Pass(2)
	5251.0 to 5260.0	5251.000	10.892192	33.333	Pass(3)
	5260.0 to 5266.7	5260.292	0.039882	4.874	Pass(4)
	5266.7 to 5365.0	5267.077	0.006353	0.833	Pass(5)
	5365.0 to 26000.0	25842.658	0.399945	0.833	Pass

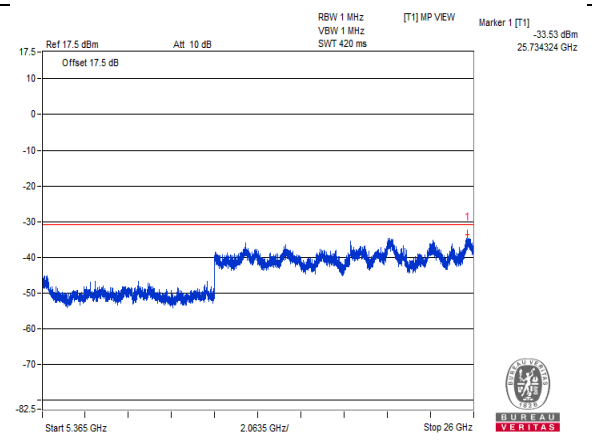
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



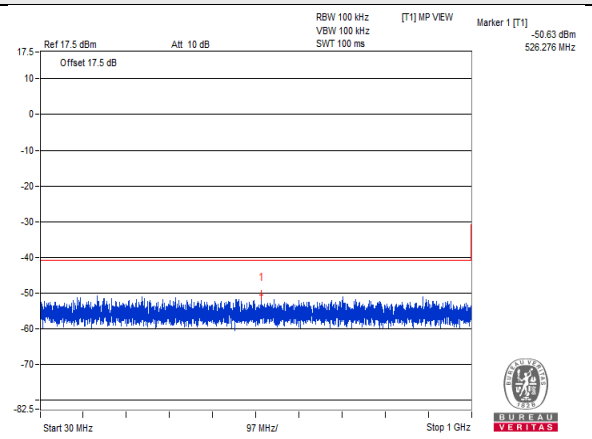


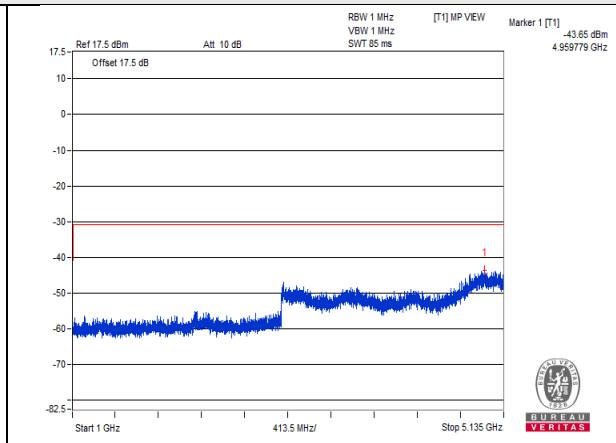


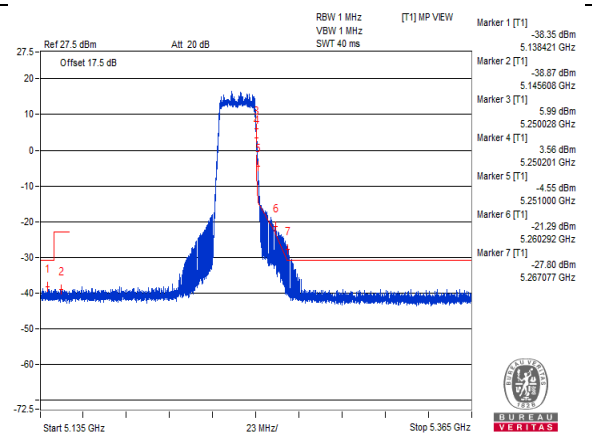


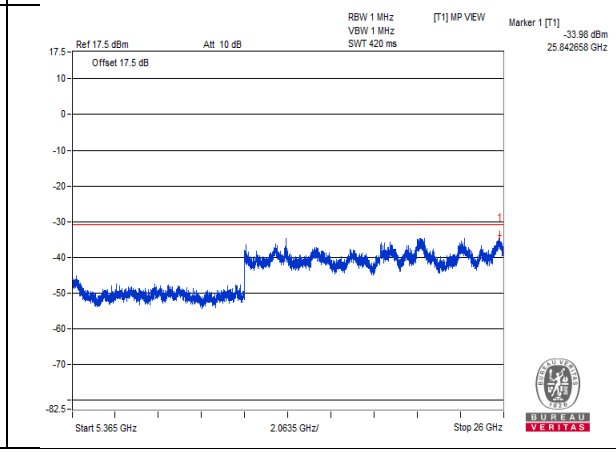
CH 36 (5180MHz)

Vnormal





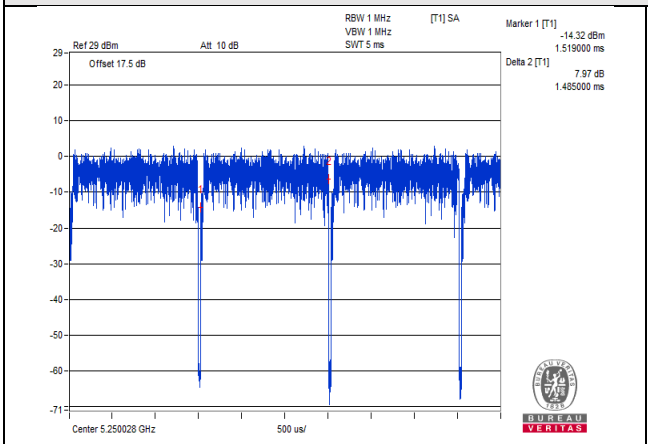




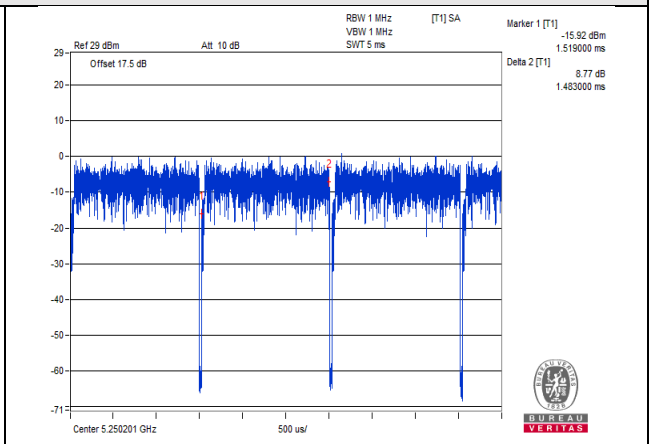
CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

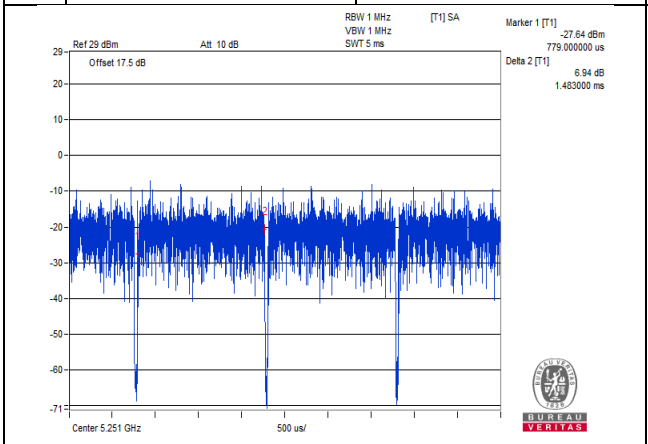
Vnormal



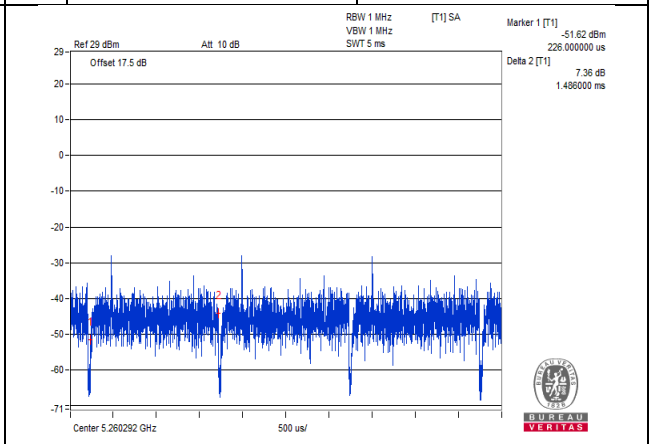
1	5250.028MHz	P = 392.244755uW



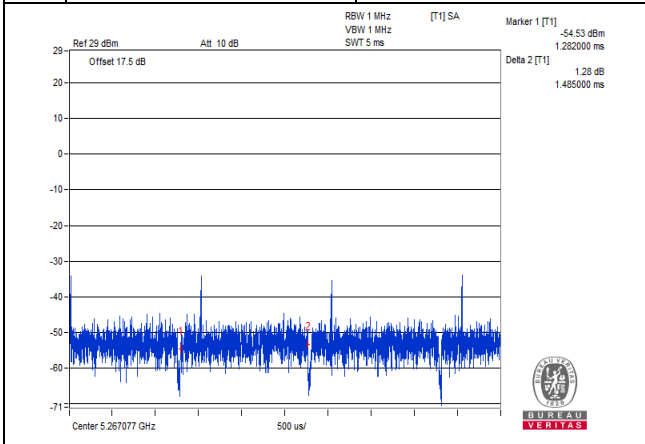
2	5250.201MHz	P = 193.74044uW



3	5251.000MHz	P = 10.892192uW



4	5260.292MHz	P = 0.039882uW



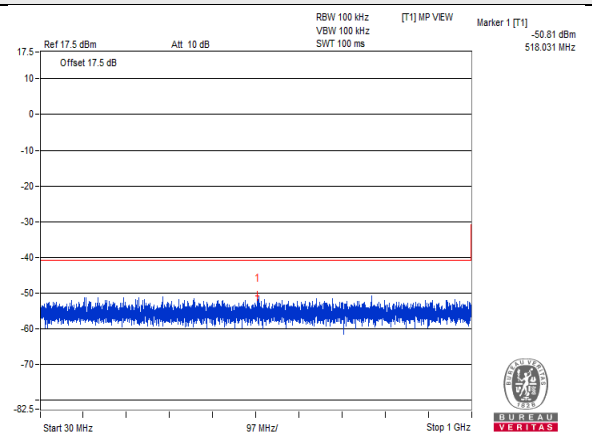
5	5267.077MHz	P = 0.006353uW

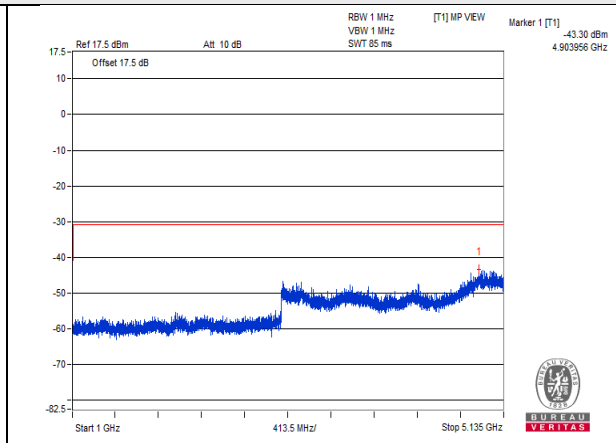
Test Channel		CH 52 (5260MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	518.031	0.008299	0.083	Pass
	1000.0 to 5135.0	4903.956	0.046774	0.833	Pass
	5135.0 to 5233.3	5232.778	0.377572	0.833	Pass
	5233.3 to 5240.0	5237.120	0.770903	2.388	Pass
	5240.0 to 5249.0	5248.936	7.529870	32.900	Pass(1)
	5249.0 to 5249.8	5249.770	55.025494	196.281	Pass(2)
	5249.8 to 5250.0	5249.971	95.261236	601.006	Pass(3)
	5350.0 to 5365.0	5357.352	0.135207	0.833	Pass
	5365.0 to 26000.0	25871.031	0.432514	0.833	Pass
Test Channel		CH 64 (5320MHz)			
V_{normal}	30.0 to 1000.0	317.968	0.010447	0.083	Pass
	1000.0 to 5135.0	4903.956	0.029992	0.833	Pass
	5135.0 to 5233.3	5151.186	0.155597	0.833	Pass
	5233.3 to 5240.0	5239.592	0.130017	4.721	Pass
	5240.0 to 5249.0	5241.978	0.117761	7.920	Pass
	5249.0 to 5249.8	5249.655	0.079616	150.619	Pass
	5249.8 to 5250.0	5249.942	0.090573	502.974	Pass
	5350.0 to 5365.0	5351.085	0.746449	0.833	Pass
	5365.0 to 26000.0	22048.397	0.444631	0.833	Pass

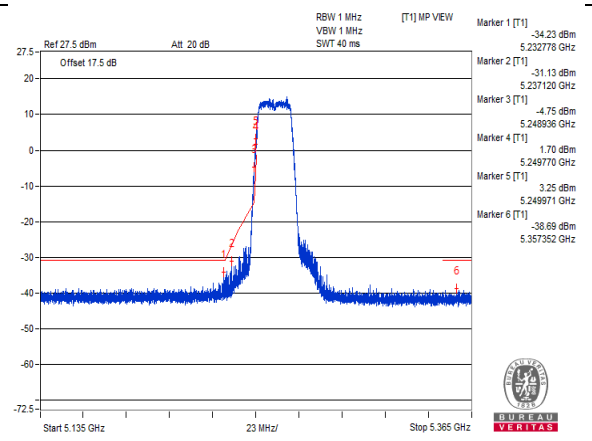
Note: 1. The spectrum plots are attached on the following pages.

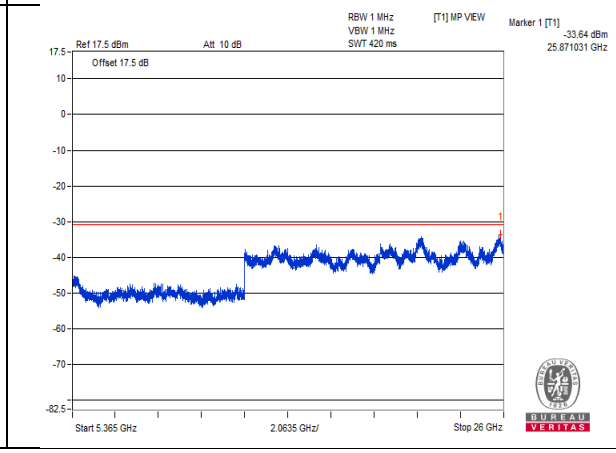
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



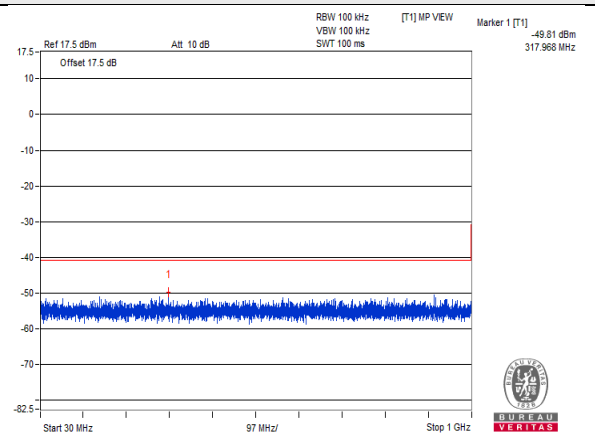


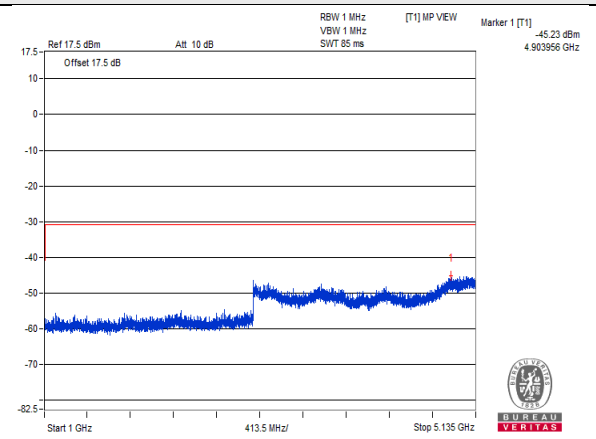


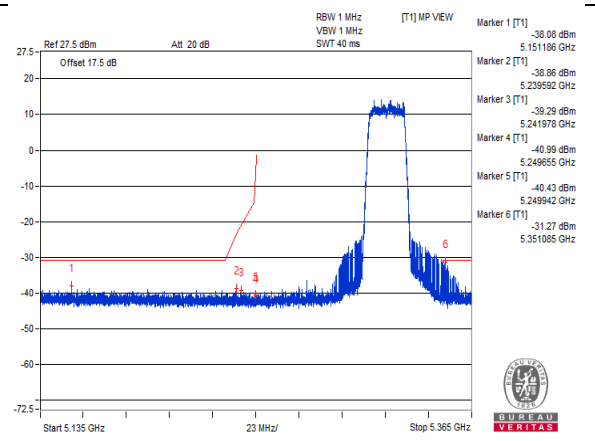


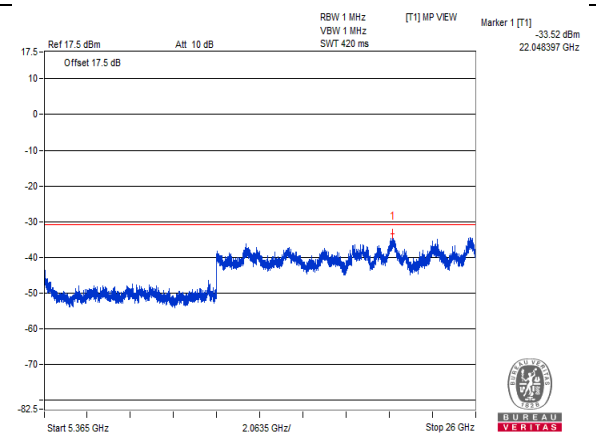
CH 52 (5260MHz)

Vnormal

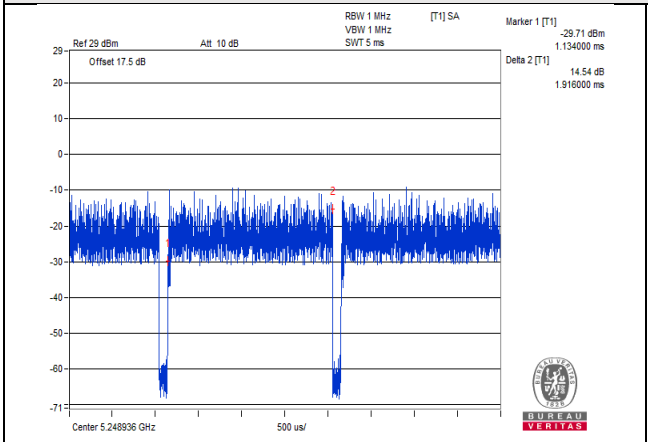
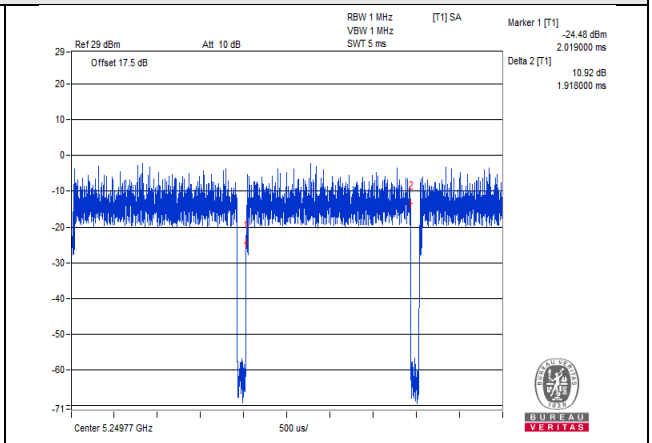
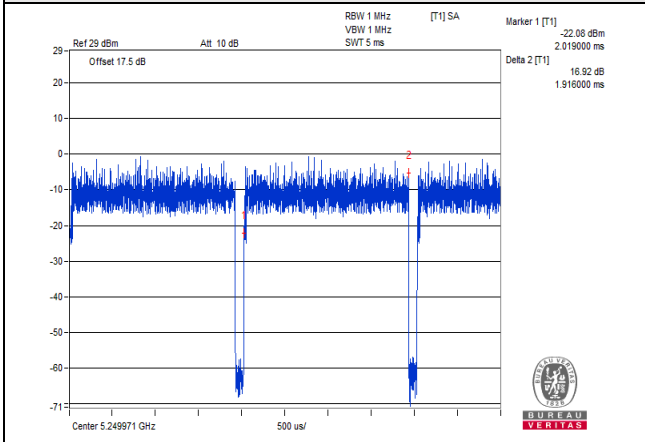








CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5248.936MHz	P = 7.52987uW	2	5249.770MHz	P = 55.025494uW
Vnormal					
					
3	5249.971MHz	P = 95.261236uW			

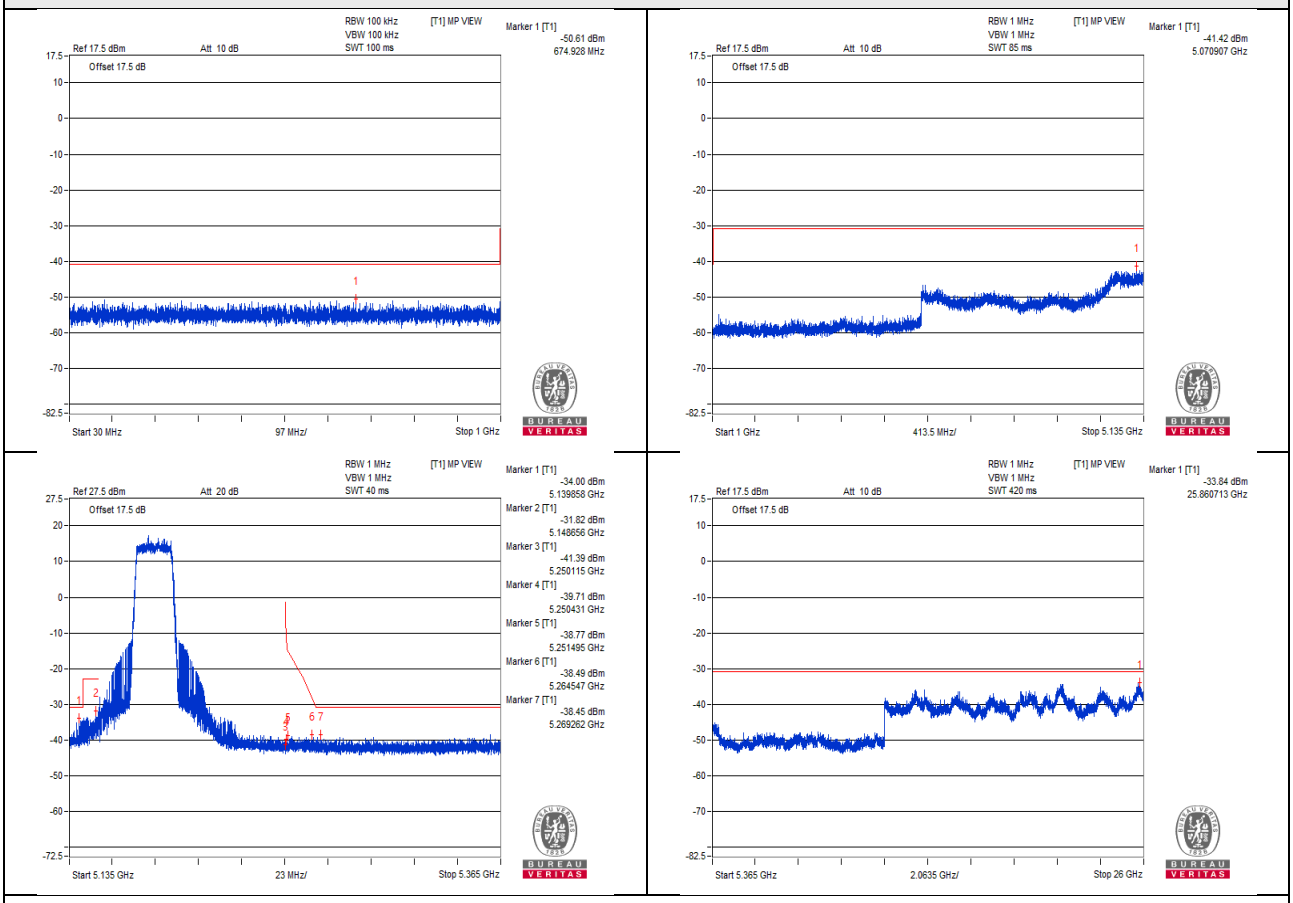
Chain 1

Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	674.928	0.008690	0.083	Pass
	1000.0 to 5135.0	5070.907	0.072111	0.833	Pass
	5135.0 to 5142.0	5139.858	0.398107	0.833	Pass
	5142.0 to 5150.0	5148.656	0.657658	5.000	Pass
	5250.0 to 5250.2	5250.115	0.072611	354.442	Pass
	5250.2 to 5251.0	5250.431	0.106905	123.560	Pass
	5251.0 to 5260.0	5251.495	0.132739	30.122	Pass
	5260.0 to 5266.7	5264.547	0.141579	1.509	Pass
	5266.7 to 5365.0	5269.262	0.142889	0.833	Pass
	5365.0 to 26000.0	25860.713	0.413048	0.833	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	493.175	0.008453	0.083	Pass
	1000.0 to 5135.0	5031.625	0.047863	0.833	Pass
	5135.0 to 5142.0	5138.047	0.140929	0.833	Pass
	5142.0 to 5150.0	5147.190	0.122744	5.000	Pass
	5250.0 to 5250.2	5250.200	206.099201	210.319	Pass(1)
	5250.2 to 5251.0	5250.201	189.559557	209.835	Pass(2)
	5251.0 to 5260.0	5251.092	7.423685	32.712	Pass(3)
	5260.0 to 5266.7	5262.046	0.020875	3.006	Pass(4)
	5266.7 to 5365.0	5267.278	0.006406	0.833	Pass(5)
	5365.0 to 26000.0	22112.881	0.406443	0.833	Pass

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

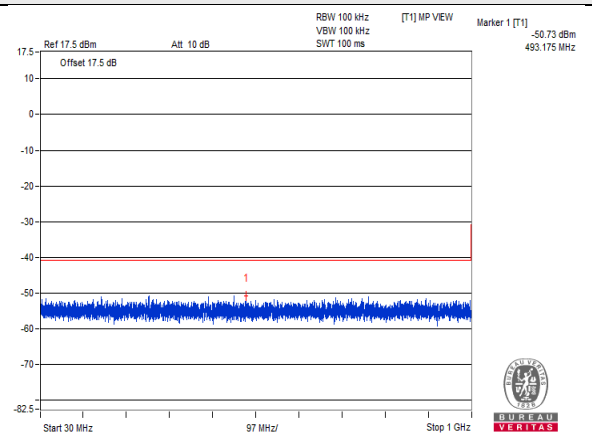
2. (No.): The value was tested under Measuring Mode *Zero Span.

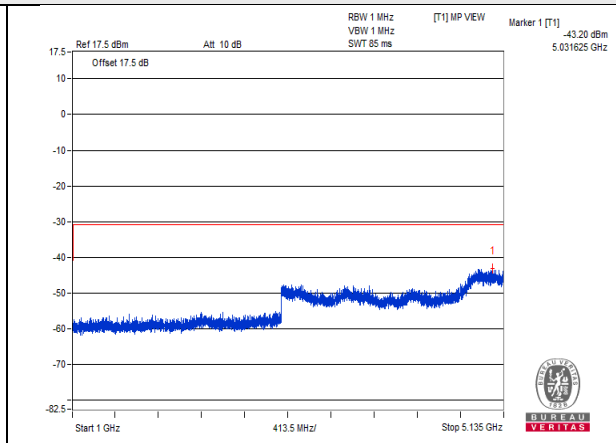
Vnormal

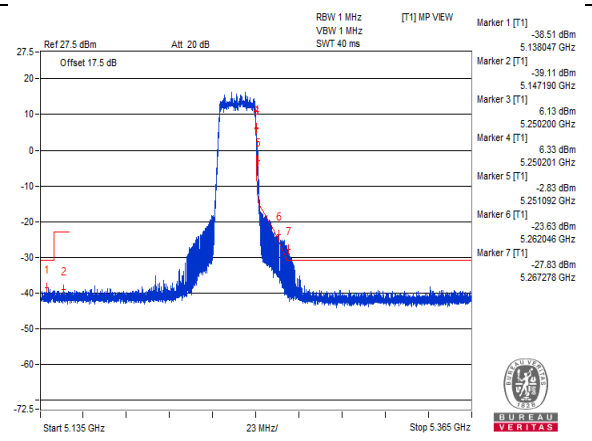


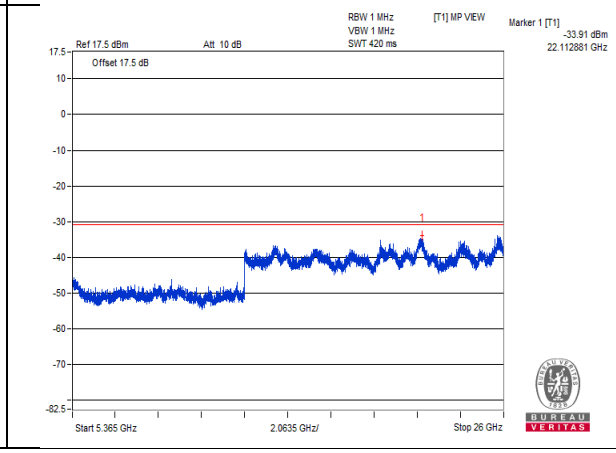
CH 36 (5180MHz)

Vnormal





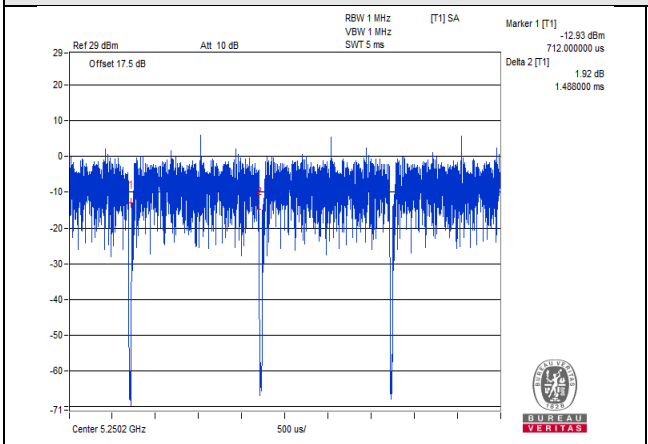




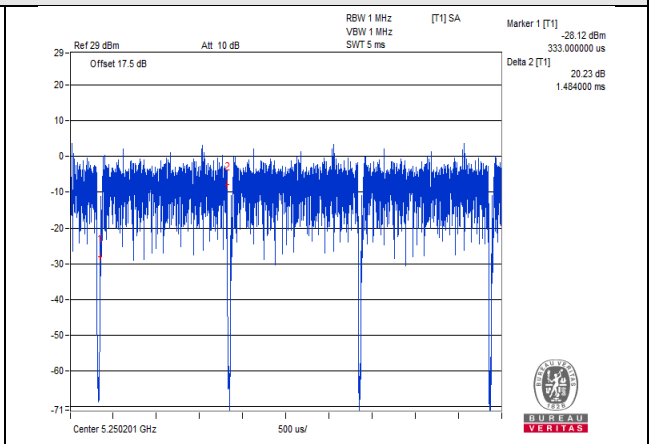
CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

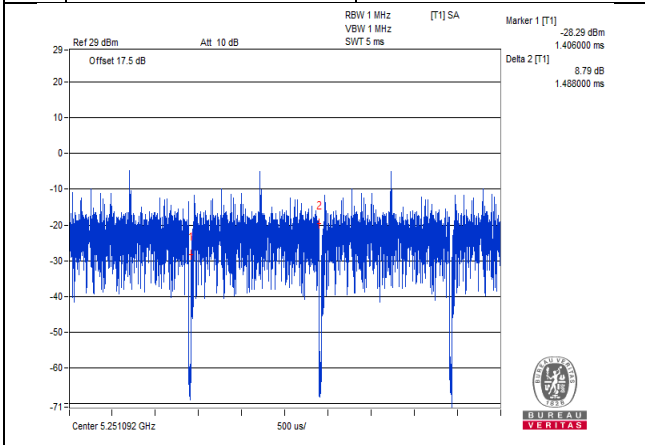
Vnormal



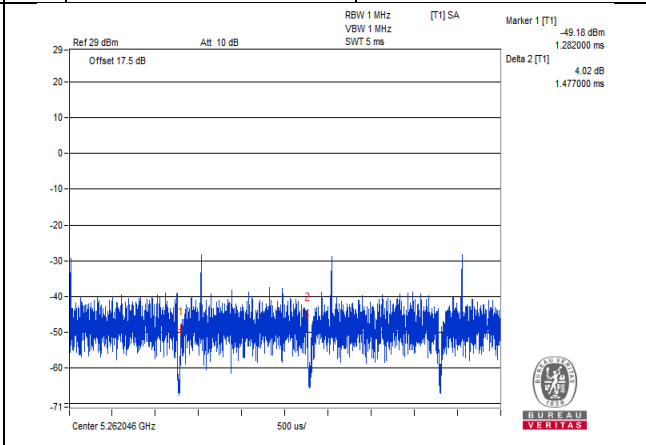
1	5250.200MHz	P = 206.099201uW



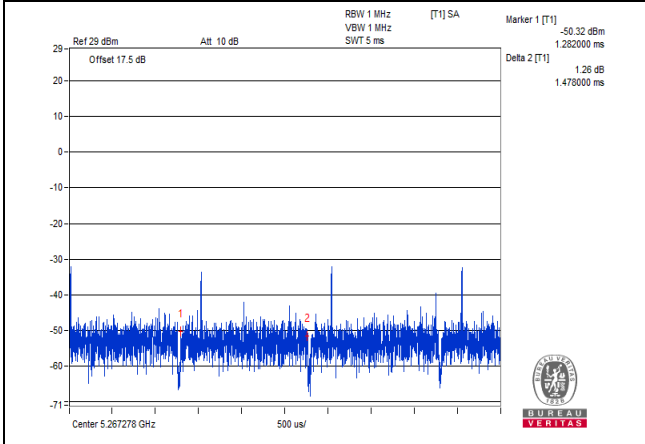
2	5250.201MHz	P = 189.559557uW



3	5251.092MHz	P = 7.423685uW



4	5262.046MHz	P = 0.020875uW



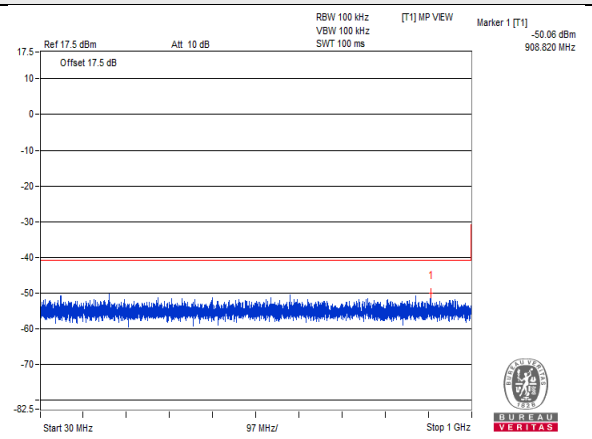
5	5267.278MHz	P = 0.006406uW

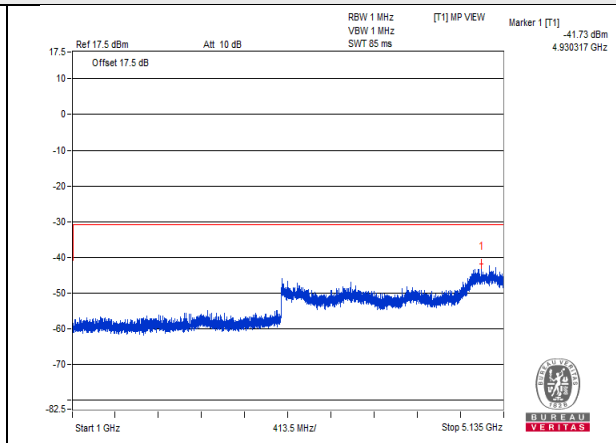
Test Channel		CH 52 (5260MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	908.820	0.009863	0.083	Pass
	1000.0 to 5135.0	4930.317	0.067143	0.833	Pass
	5135.0 to 5233.3	5231.743	0.418794	0.833	Pass
	5233.3 to 5240.0	5239.535	0.837529	4.647	Pass
	5240.0 to 5249.0	5249.000	8.248148	33.333	Pass(1)
	5249.0 to 5249.8	5249.798	52.084159	209.353	Pass(2)
	5249.8 to 5250.0	5249.971	86.994614	601.006	Pass(3)
	5350.0 to 5365.0	5363.792	0.127350	0.833	Pass
	5365.0 to 26000.0	21971.016	0.450817	0.833	Pass
Test Channel		**CH 64 (5320MHz)**			
V_{normal}	30.0 to 1000.0	55.583	0.008453	0.083	Pass
	1000.0 to 5135.0	4897.754	0.039902	0.833	Pass
	5135.0 to 5233.3	5180.223	0.159588	0.833	Pass
	5233.3 to 5240.0	5234.273	0.103514	1.090	Pass
	5240.0 to 5249.0	5241.662	0.123595	7.424	Pass
	5249.0 to 5249.8	5249.338	0.109144	72.590	Pass
	5249.8 to 5250.0	5249.800	0.073621	210.319	Pass
	5350.0 to 5365.0	5350.021	0.005932	0.833	Pass(4)
	5365.0 to 26000.0	25896.825	0.410204	0.833	Pass

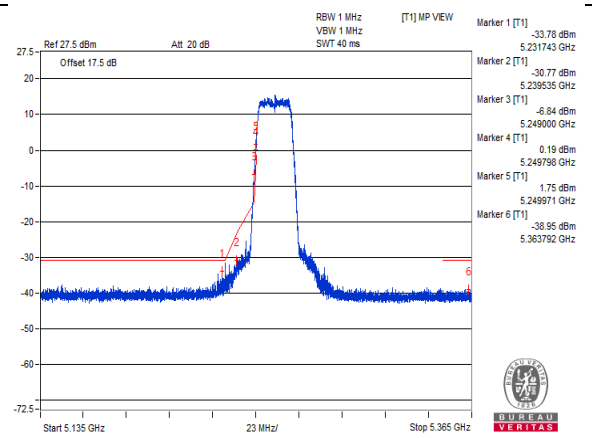
Note: 1. The spectrum plots are attached on the following pages.

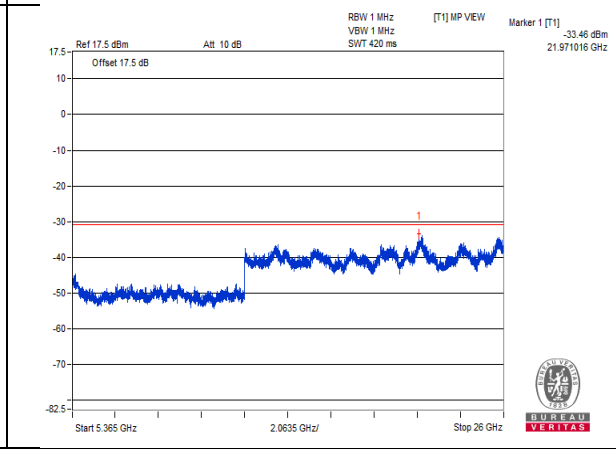
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



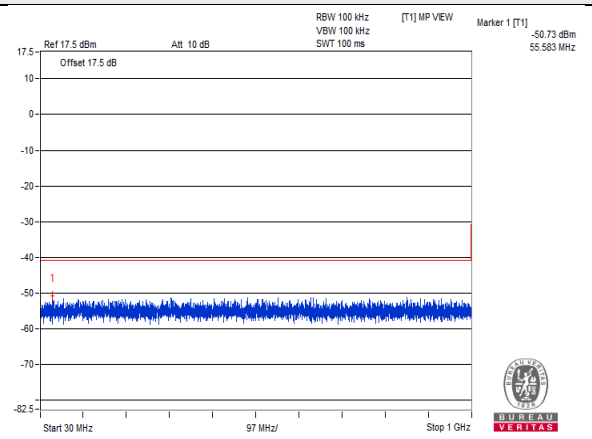


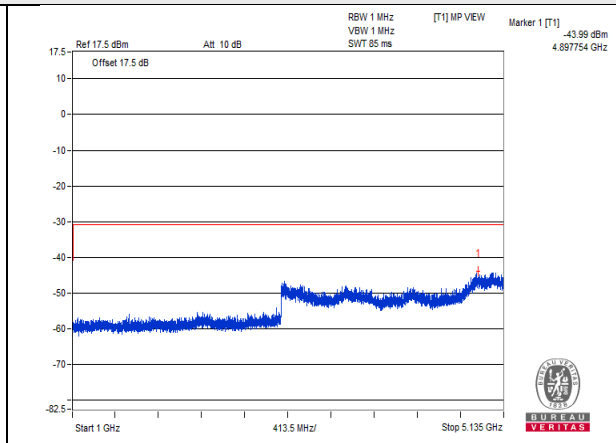


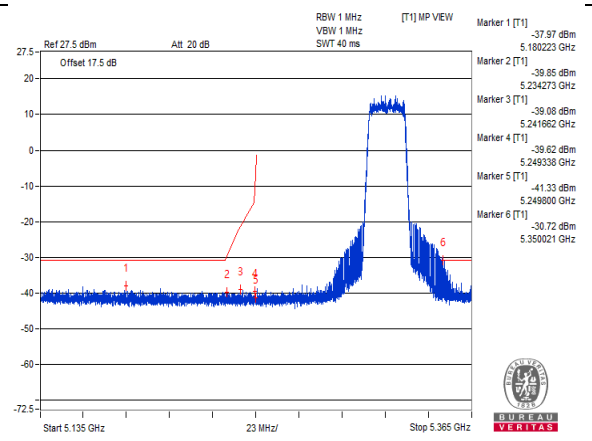


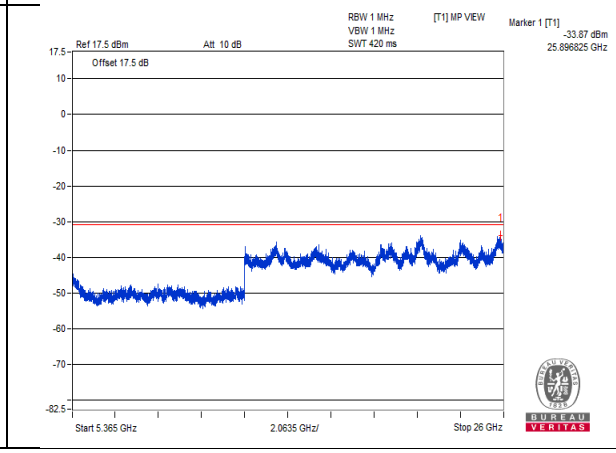
CH 52 (5260MHz)

Vnormal





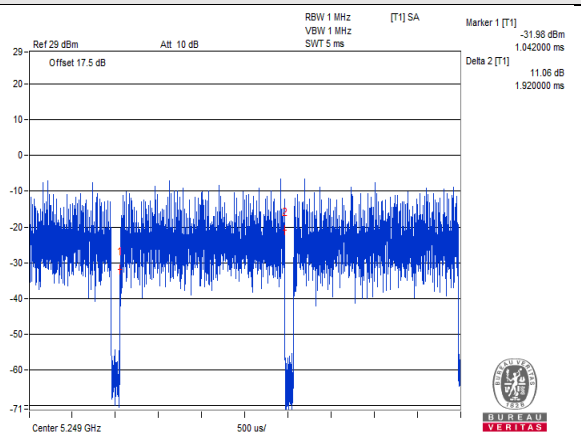




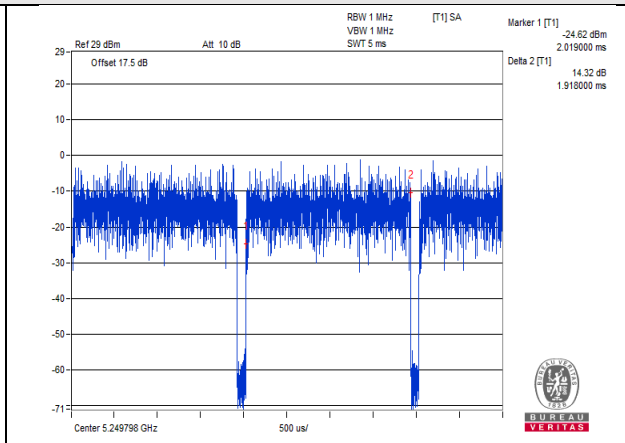
CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

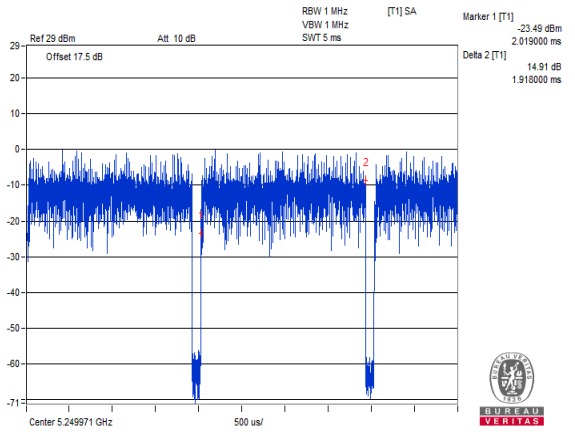
Vnormal



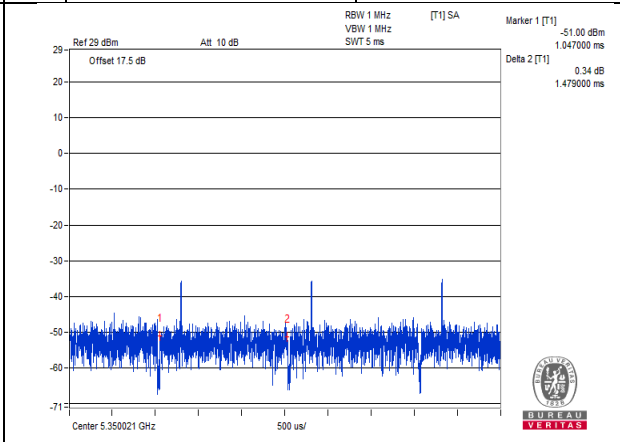
1	5249.000MHz	P = 8.248148uW



2	5249.798MHz	P = 52.084159uW



3	5249.971MHz	P = 86.994614uW



4	5350.021MHz	P = 0.005932uW

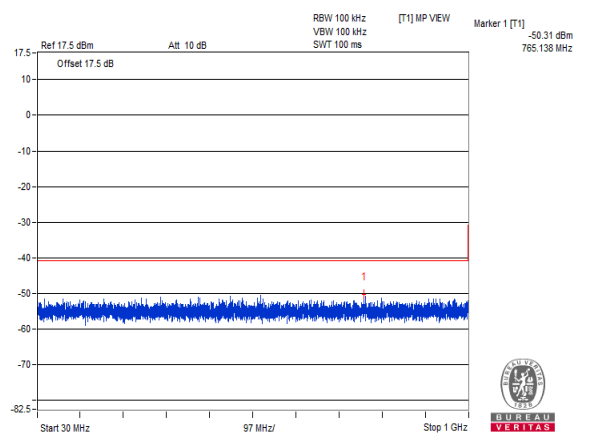
Chain 2

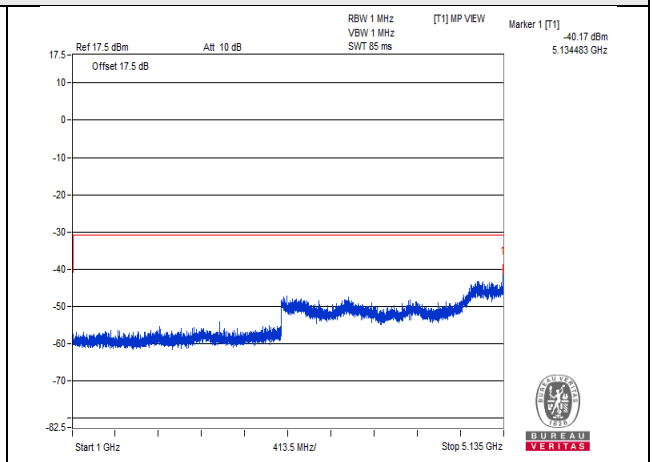
Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	765.138	0.009311	0.083	Pass
	1000.0 to 5135.0	5134.483	0.096161	0.833	Pass
	5135.0 to 5142.0	5138.133	0.217771	0.833	Pass
	5142.0 to 5150.0	5143.883	0.397192	5.000	Pass
	5250.0 to 5250.2	5250.057	0.075162	506.072	Pass
	5250.2 to 5251.0	5250.287	0.083176	172.139	Pass
	5251.0 to 5260.0	5255.922	0.107399	12.172	Pass
	5260.0 to 5266.7	5263.225	0.100231	2.172	Pass
	5266.7 to 5365.0	5313.796	0.121339	0.833	Pass
	5365.0 to 26000.0	25713.689	0.574116	0.833	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	964.352	0.008670	0.083	Pass
	1000.0 to 5135.0	5031.108	0.047098	0.833	Pass
	5135.0 to 5142.0	5135.172	0.128529	0.833	Pass
	5142.0 to 5150.0	5148.483	0.120504	5.000	Pass
	5250.0 to 5250.2	5250.057	203.302715	506.072	Pass(1)
	5250.2 to 5251.0	5250.402	67.992174	132.093	Pass(2)
	5251.0 to 5260.0	5251.063	7.492734	32.906	Pass(3)
	5260.0 to 5266.7	5260.407	0.018148	4.722	Pass(4)
	5266.7 to 5365.0	5266.790	0.005221	0.833	Pass(5)
	5365.0 to 26000.0	22012.286	0.437522	0.833	Pass

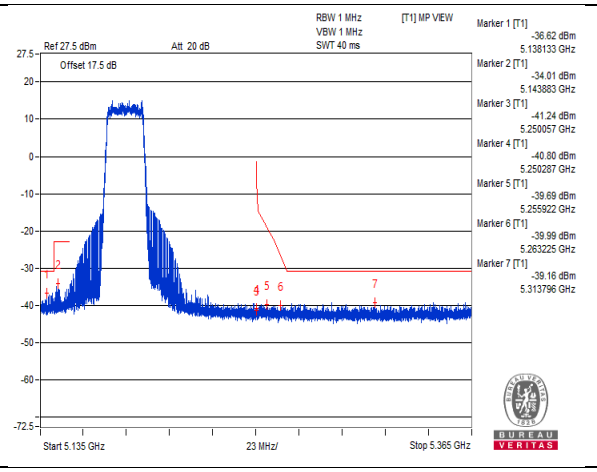
Note: 1. The spectrum plots are attached on the following pages.

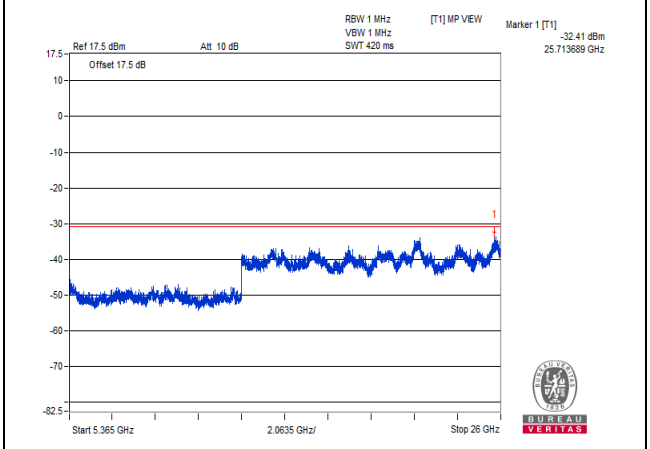
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



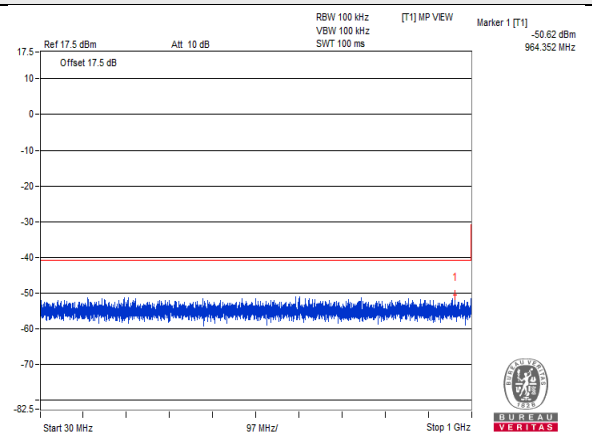


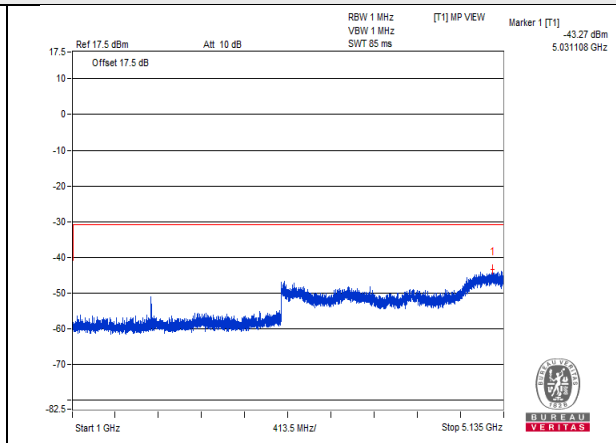


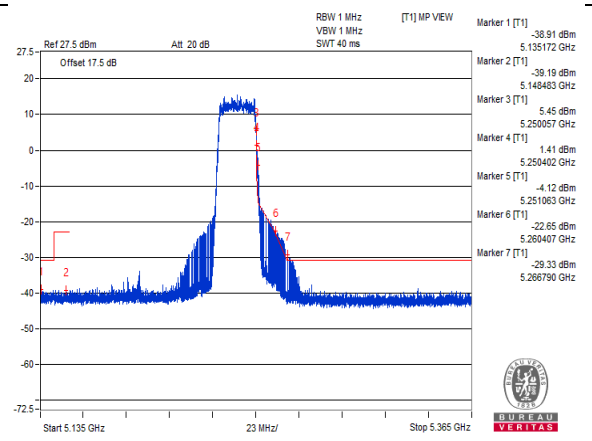


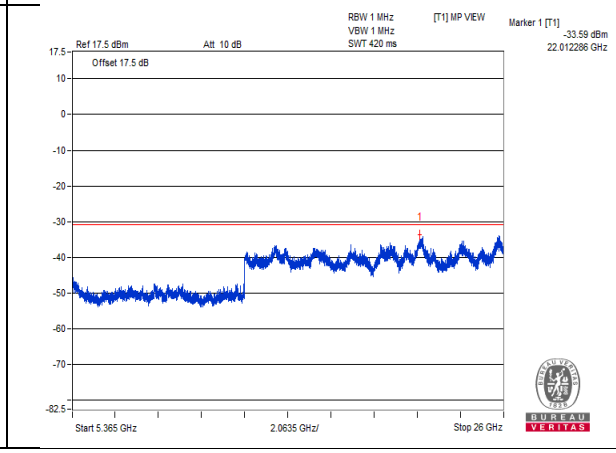
CH 36 (5180MHz)

Vnormal





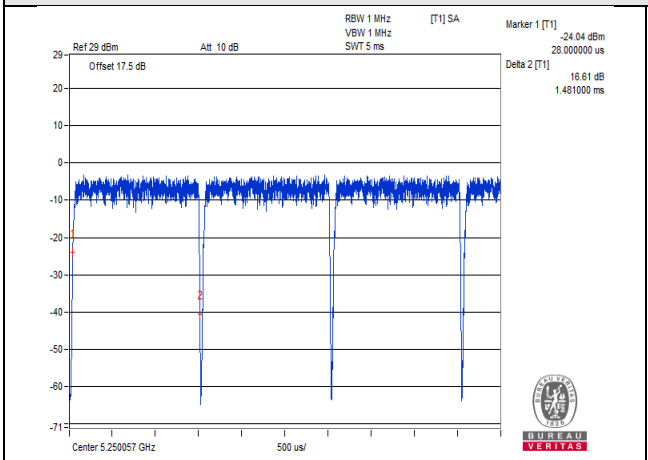




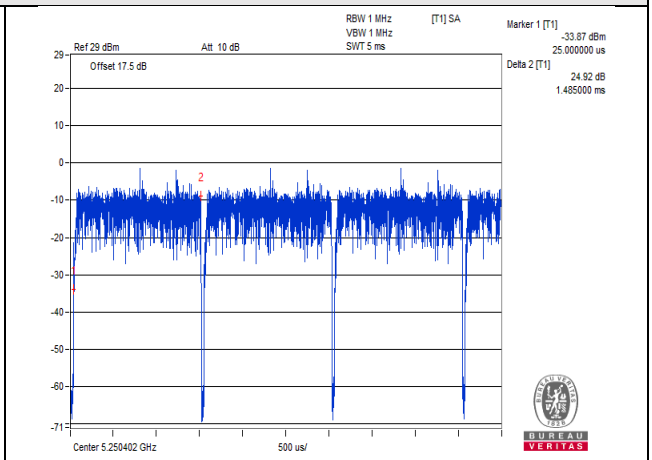
CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

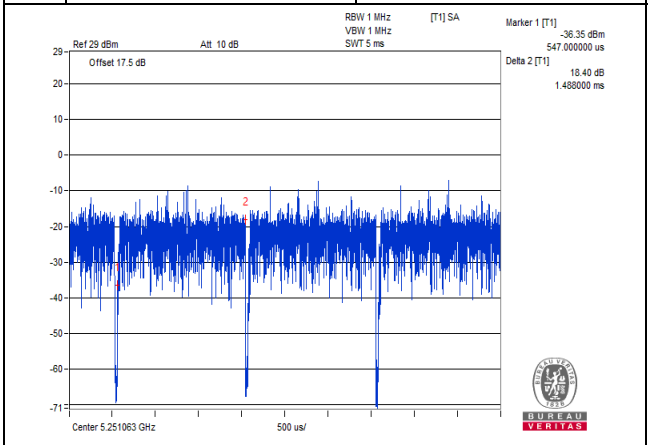
Vnormal



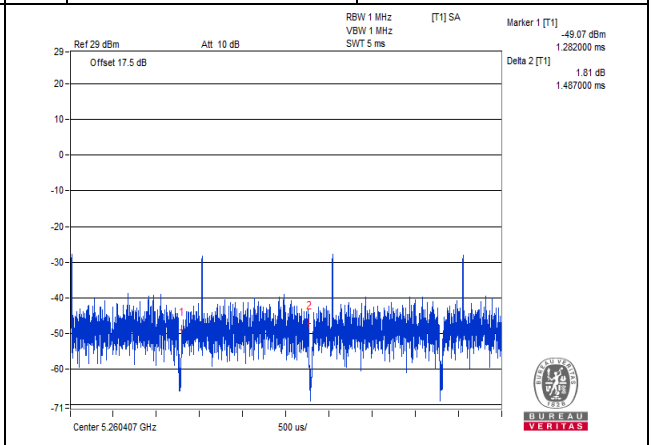
1	5250.057MHz	P = 203.302715uW



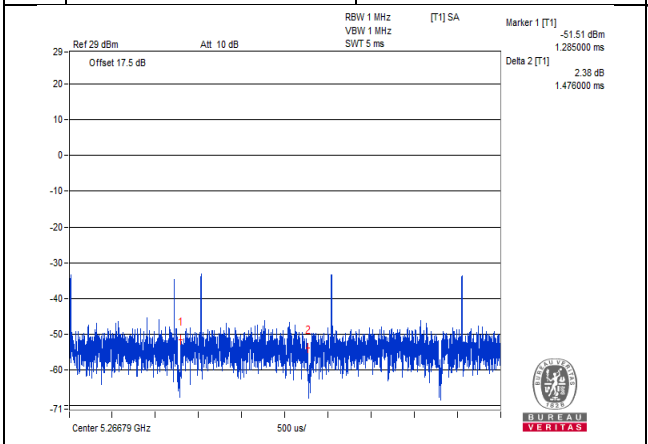
2	5250.402MHz	P = 67.992174uW



3	5251.063MHz	P = 7.492734uW



4	5260.407MHz	P = 0.018148uW



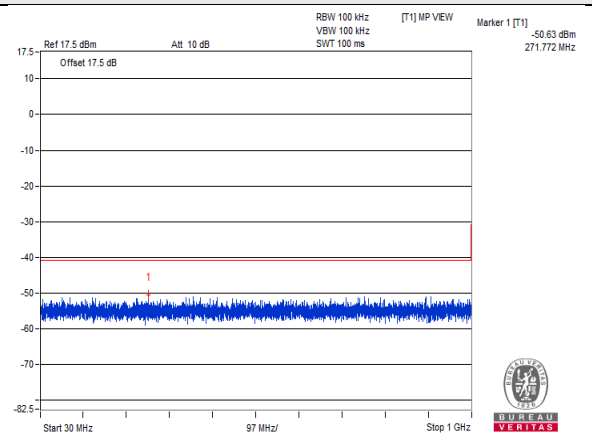
5	5266.790MHz	P = 0.005221uW

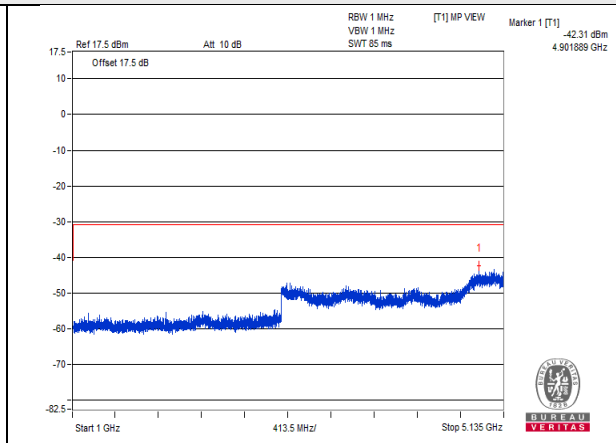
Test Channel		CH 52 (5260MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	271.772	0.008650	0.083	Pass
	1000.0 to 5135.0	4901.889	0.058749	0.833	Pass
	5135.0 to 5233.3	5233.095	0.588844	0.833	Pass
	5233.3 to 5240.0	5239.995	2.360478	5.276	Pass
	5240.0 to 5249.0	5248.850	10.943304	32.326	Pass(1)
	5249.0 to 5249.8	5249.683	129.096492	160.649	Pass(2)
	5249.8 to 5250.0	5249.971	327.316604	601.006	Pass(3)
	5350.0 to 5365.0	5360.860	0.131826	0.833	Pass
	5365.0 to 26000.0	25840.078	0.467735	0.833	Pass
Test Channel		**CH 64 (5320MHz)**			
V_{normal}	30.0 to 1000.0	230.305	0.009616	0.083	Pass
	1000.0 to 5135.0	4986.140	0.043954	0.833	Pass
	5135.0 to 5233.3	5150.898	0.130617	0.833	Pass
	5233.3 to 5240.0	5238.298	0.104954	3.305	Pass
	5240.0 to 5249.0	5245.371	0.111686	15.860	Pass
	5249.0 to 5249.8	5249.281	0.092257	63.662	Pass
	5249.8 to 5250.0	5250.000	0.050466	718.145	Pass
	5350.0 to 5365.0	5352.177	0.224388	0.833	Pass
	5365.0 to 26000.0	22118.040	0.401791	0.833	Pass

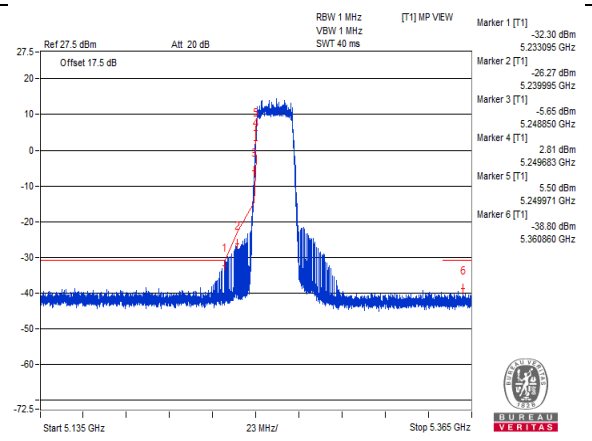
Note: 1. The spectrum plots are attached on the following pages.

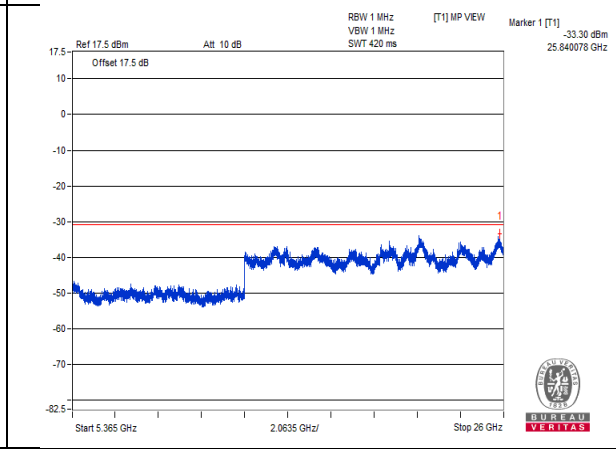
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



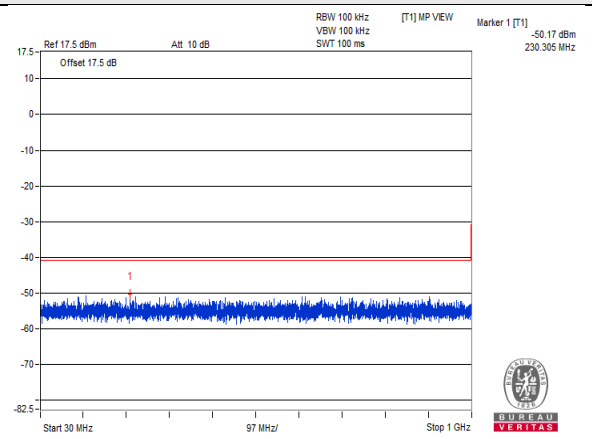


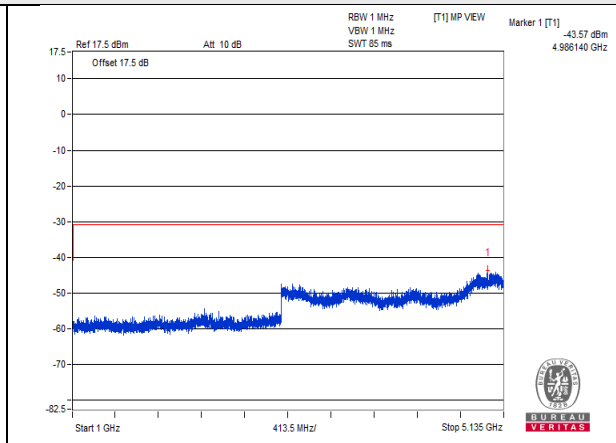


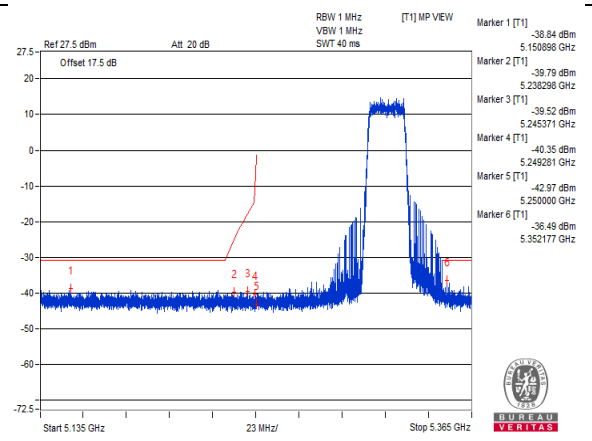


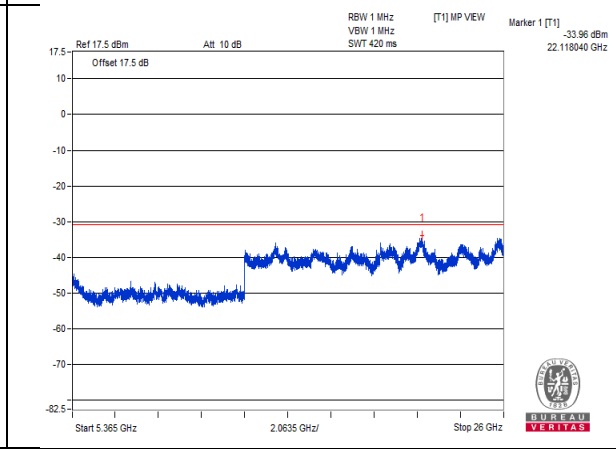
CH 52 (5260MHz)

Vnormal





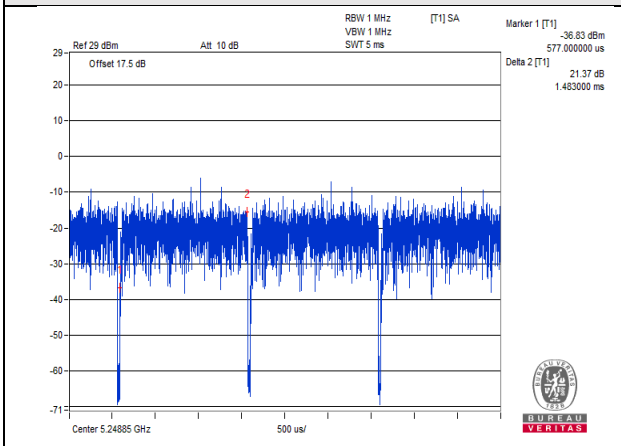




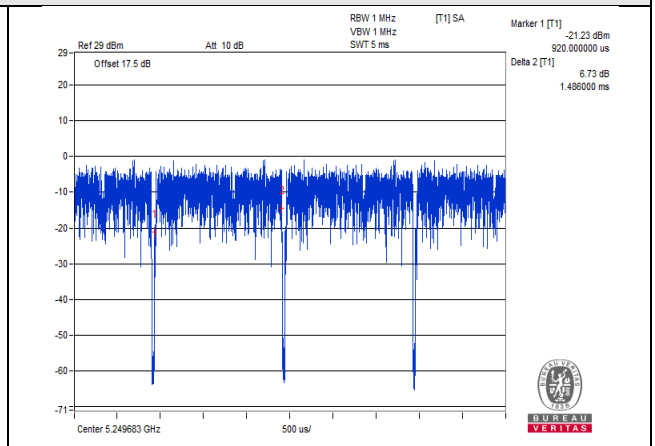
CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

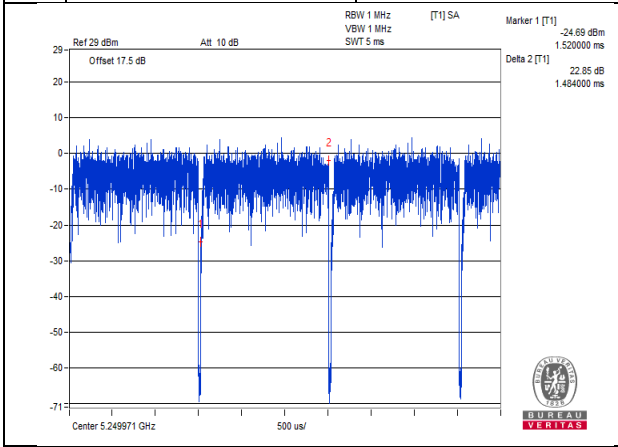
Vnormal



1	5248.850MHz	P = 10.943304uW



2	5249.683MHz	P = 129.096492uW



3	5249.971MHz	P = 327.316604uW

[Worst result] x [Number of antenna ports]

Test Channel		CH 36 (5180MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.027933	0.249	Pass
	1000.0 to 5135.0	0.288483	2.499	Pass
	5135.0 to 5142.0	1.194321	2.499	Pass
	5142.0 to 5150.0	1.972974	15	Pass
	5250.0 to 5250.2	0.244410	1063.326	Pass
	5250.2 to 5251.0	0.320715	370.68	Pass
	5251.0 to 5260.0	0.398217	90.366	Pass
	5260.0 to 5266.7	0.424737	4.527	Pass
	5266.7 to 5365.0	0.433632	2.499	Pass
	5365.0 to 26000.0	1.722348	2.499	Pass
Test Channel		**CH 48 (5240MHz)**		
V_{normal}	30.0 to 1000.0	0.026010	0.249	Pass
	1000.0 to 5135.0	0.143589	2.499	Pass
	5135.0 to 5142.0	0.438654	2.499	Pass
	5142.0 to 5150.0	0.389154	15	Pass
	5250.0 to 5250.2	1176.734265	1814.124	Pass
	5250.2 to 5251.0	618.297603	629.505	Pass
	5251.0 to 5260.0	32.676576	99.999	Pass
	5260.0 to 5266.7	0.119646	14.622	Pass
	5266.7 to 5365.0	0.019218	2.499	Pass
	5365.0 to 26000.0	1.312566	2.499	Pass

Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

Test Channel		CH 52 (5260MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.029589	0.249	Pass
	1000.0 to 5135.0	0.201429	2.499	Pass
	5135.0 to 5233.3	1.766532	2.499	Pass
	5233.3 to 5240.0	7.081434	15.828	Pass
	5240.0 to 5249.0	32.829912	96.978	Pass
	5249.0 to 5249.8	387.289476	481.947	Pass
	5249.8 to 5250.0	981.949812	1803.018	Pass
	5350.0 to 5365.0	0.405621	2.499	Pass
	5365.0 to 26000.0	1.403205	2.499	Pass
Test Channel		**CH 64 (5320MHz)**		
V_{normal}	30.0 to 1000.0	0.031341	0.249	Pass
	1000.0 to 5135.0	0.131862	2.499	Pass
	5135.0 to 5233.3	0.478764	2.499	Pass
	5233.3 to 5240.0	0.390051	14.163	Pass
	5240.0 to 5249.0	0.370785	22.272	Pass
	5249.0 to 5249.8	0.327432	217.77	Pass
	5249.8 to 5250.0	0.271719	1508.922	Pass
	5350.0 to 5365.0	2.239347	2.499	Pass
	5365.0 to 26000.0	1.333893	2.499	Pass

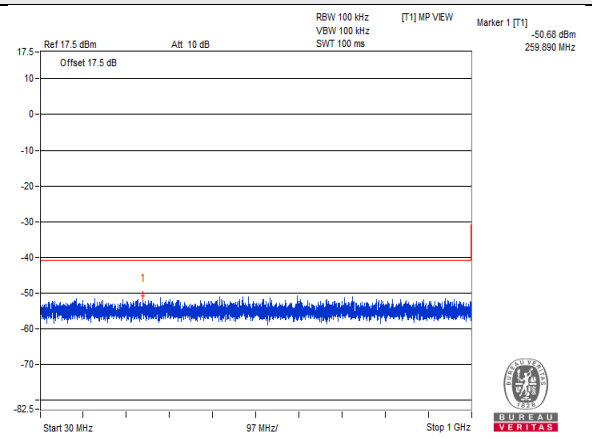
Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

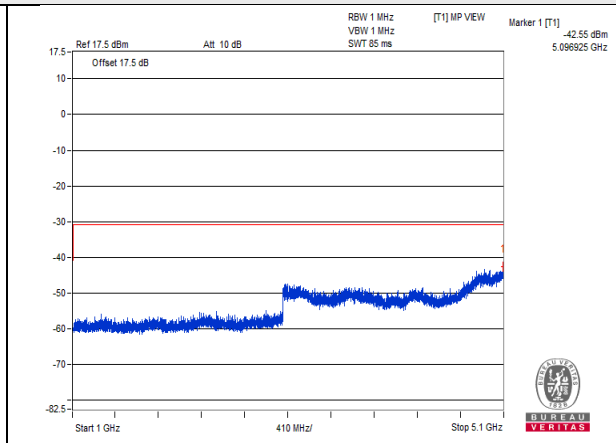
W52 & W53 Bands:
802.11ax (HE40)
Chain 0

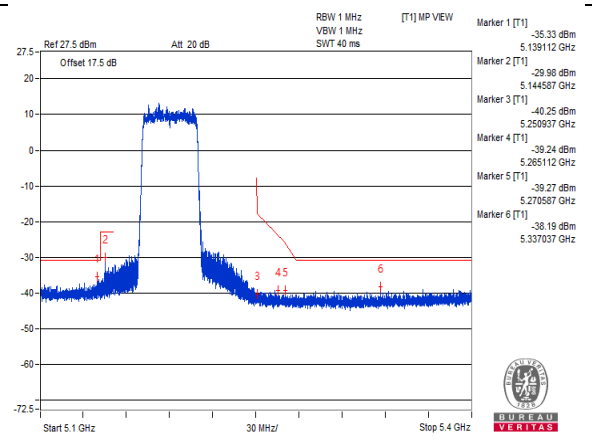
Test Channel		CH 38 (5190MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	259.890	0.008551	0.083	Pass
	1000.0 to 5100.0	5096.925	0.055590	0.833	Pass
	5100.0 to 5141.6	5139.112	0.293089	0.833	Pass
	5141.6 to 5150.0	5144.587	1.004616	5.000	Pass
	5250.0 to 5251.0	5250.937	0.094406	19.269	Pass
	5251.0 to 5270.0	5265.112	0.119124	4.243	Pass
	5270.0 to 5278.4	5270.587	0.118304	2.437	Pass
	5278.4 to 5400.0	5337.037	0.151705	0.833	Pass
	5400.0 to 26000.0	25835.200	0.434510	0.833	Pass
Test Channel		**CH 46 (5230MHz)**			
V_{normal}	30.0 to 1000.0	538.765	0.011588	0.083	Pass
	1000.0 to 5100.0	5099.487	0.043053	0.833	Pass
	5100.0 to 5141.6	5105.737	0.156675	0.833	Pass
	5141.6 to 5150.0	5145.225	0.123880	5.000	Pass
	5250.0 to 5251.0	5250.000	129.419584	166.667	Pass
	5251.0 to 5270.0	5251.012	0.876701	16.647	Pass(1)
	5270.0 to 5278.4	5270.587	0.484172	2.437	Pass
	5278.4 to 5400.0	5279.625	0.296483	0.833	Pass
	5400.0 to 26000.0	25824.900	0.461318	0.833	Pass

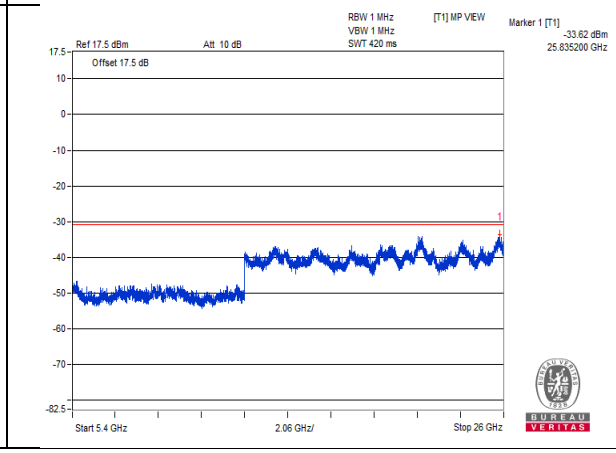
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



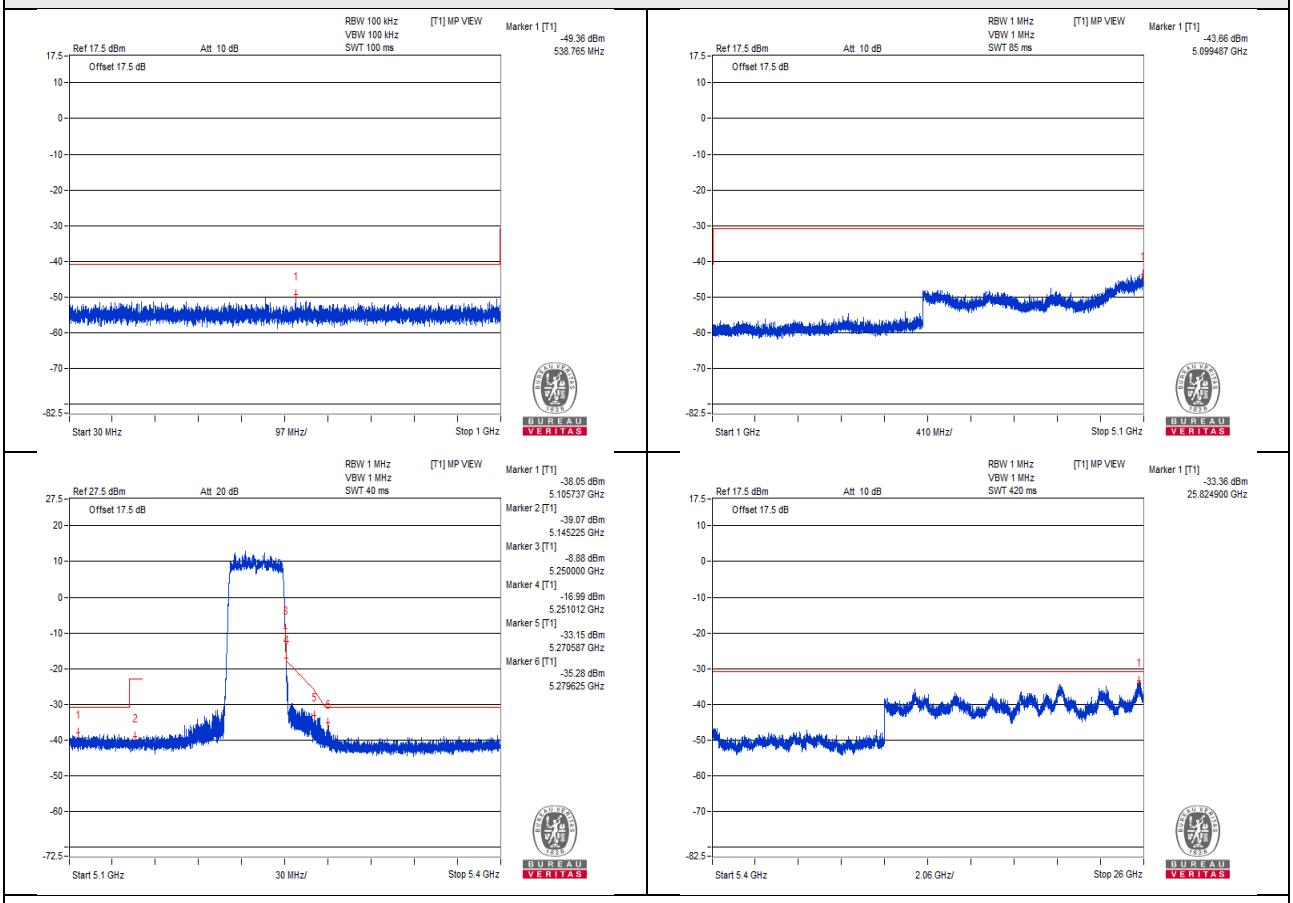




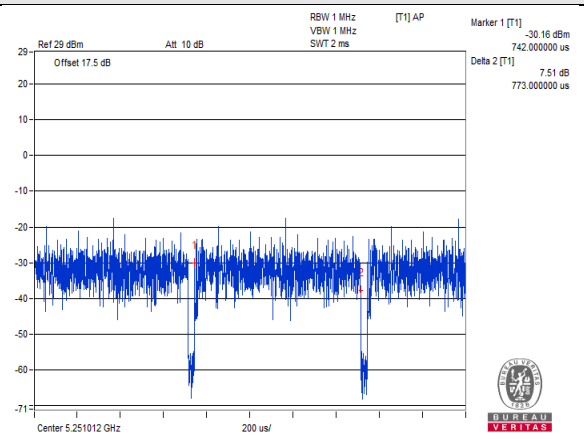


CH 38 (5190MHz)

Vnormal



CH 46 (5230MHz)

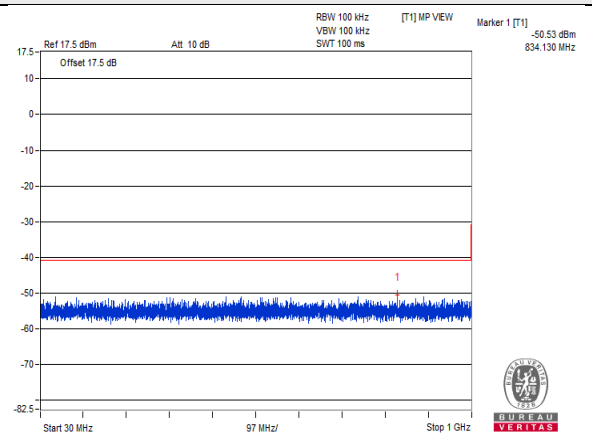
Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the “dBm” value into “uW” value. 3. It adds the all values and calculates a grand total. Define a grand total as “P”. 4. It divides “P” by sample data point (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5251.012MHz	P = 0.876701uW			

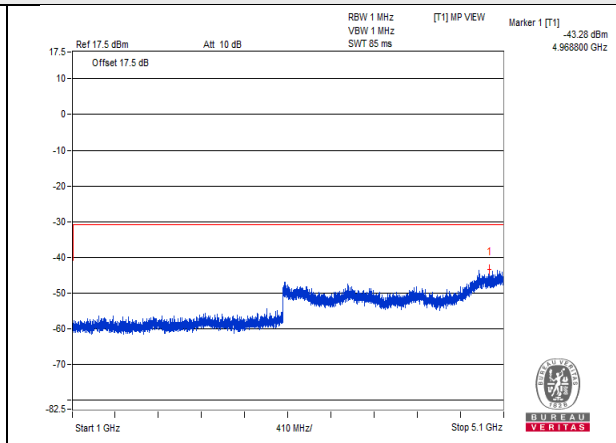
Test Channel		CH 54 (5270MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	834.130	0.008851	0.083	Pass
	1000.0 to 5100.0	4968.800	0.046989	0.833	Pass
	5100.0 to 5221.6	5221.537	0.226464	0.833	Pass
	5221.6 to 5230.0	5223.225	0.559758	1.042	Pass
	5230.0 to 5249.0	5248.950	2.368105	16.586	Pass(1)
	5249.0 to 5250.0	5250.000	50.696151	166.667	Pass(2)
	5350.0 to 5358.4	5358.337	0.125893	5.000	Pass
	5358.4 to 5400.0	5368.387	0.157398	0.833	Pass
	5400.0 to 26000.0	22047.375	0.440555	0.833	Pass
Test Channel		**CH 62 (5310MHz)**			
V_{normal}	30.0 to 1000.0	740.282	0.011143	0.083	Pass
	1000.0 to 5100.0	5052.850	0.043954	0.833	Pass
	5100.0 to 5221.6	5132.700	0.187068	0.833	Pass
	5221.6 to 5230.0	5225.362	0.123595	1.397	Pass
	5230.0 to 5249.0	5247.787	0.217771	14.818	Pass
	5249.0 to 5250.0	5249.887	0.146893	128.484	Pass
	5350.0 to 5358.4	5351.775	0.364754	5.000	Pass
	5358.4 to 5400.0	5359.462	0.217270	0.833	Pass
	5400.0 to 26000.0	22026.775	0.409261	0.833	Pass

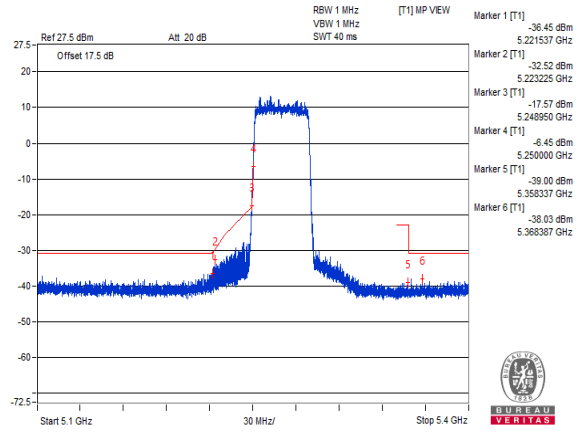
Note: 1. The spectrum plots are attached on the following pages.

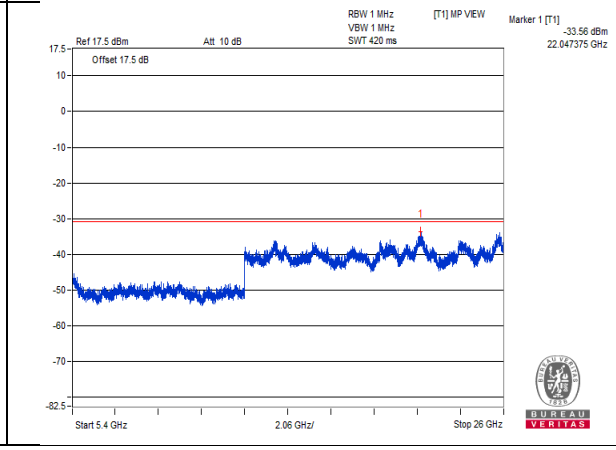
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



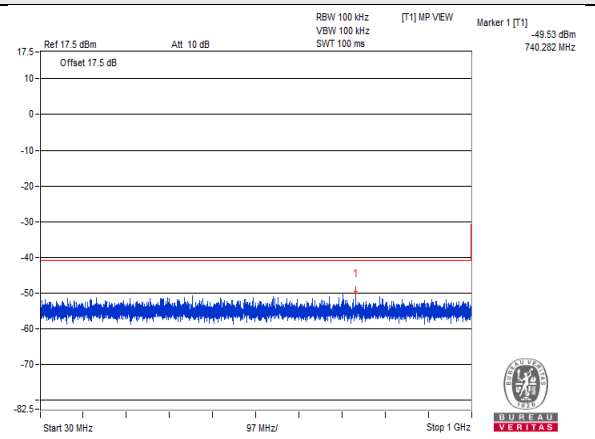


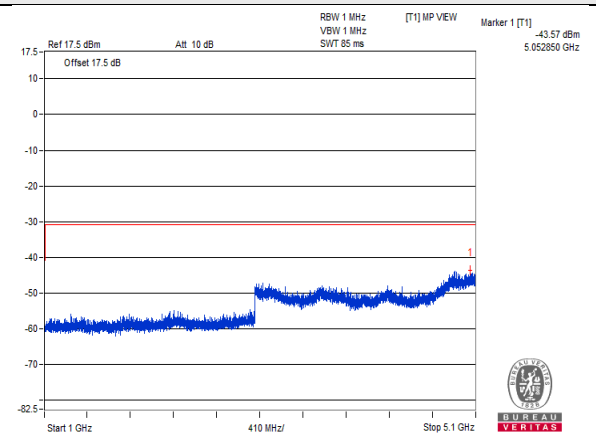


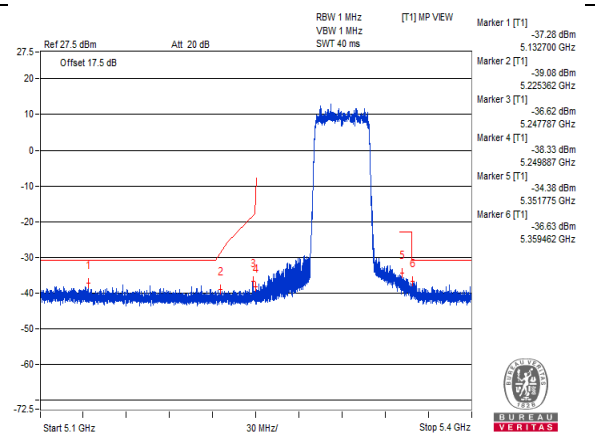


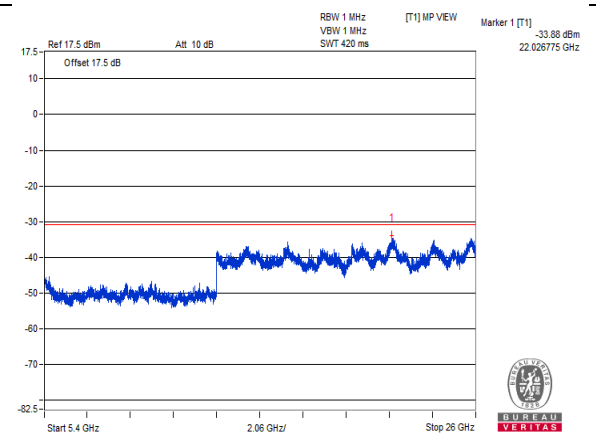
CH 54 (5270MHz)

Vnormal



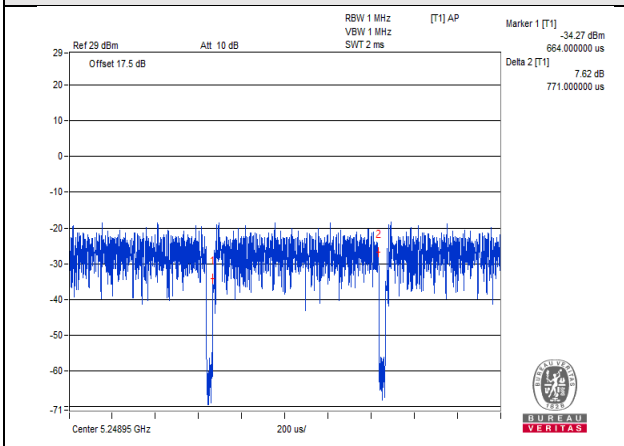




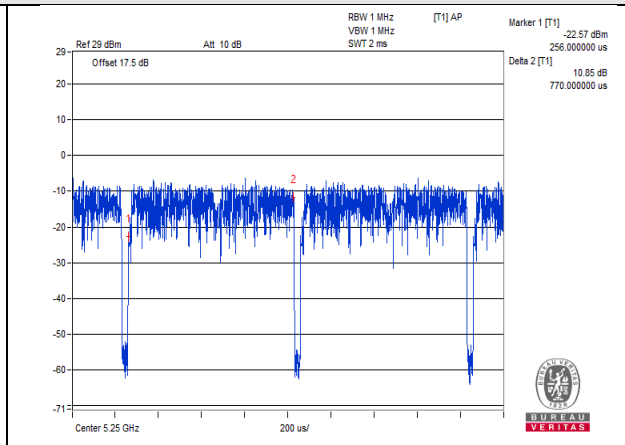


CH 62 (5310MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal



1	5248.950MHz	P = 2.368105uW



2	5250.000MHz	P = 50.696151uW

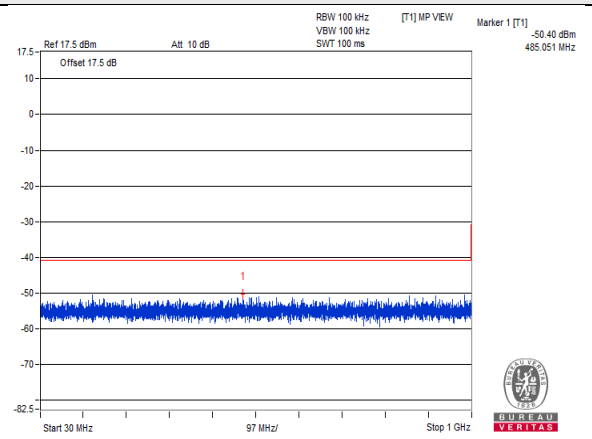
Chain 1

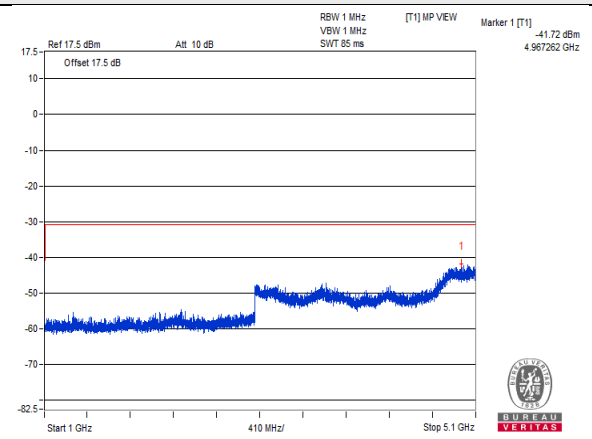
Test Channel		CH 38 (5190MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	485.051	0.009120	0.083	Pass
	1000.0 to 5100.0	4967.262	0.067298	0.833	Pass
	5100.0 to 5141.6	5138.625	0.387258	0.833	Pass
	5141.6 to 5150.0	5148.750	0.704693	5.000	Pass
	5250.0 to 5251.0	5250.825	0.184077	24.937	Pass
	5251.0 to 5270.0	5251.612	0.167880	15.707	Pass
	5270.0 to 5278.4	5277.825	0.117490	0.902	Pass
	5278.4 to 5400.0	5367.937	0.145881	0.833	Pass
	5400.0 to 26000.0	22070.550	0.412098	0.833	Pass
Test Channel		**CH 46 (5230MHz)**			
V_{normal}	30.0 to 1000.0	806.363	0.007870	0.083	Pass
	1000.0 to 5100.0	5048.237	0.055081	0.833	Pass
	5100.0 to 5141.6	5119.275	0.157398	0.833	Pass
	5141.6 to 5150.0	5141.812	0.157761	5.000	Pass
	5250.0 to 5251.0	5250.000	37.828835	166.667	Pass(1)
	5251.0 to 5270.0	5251.012	14.060475	16.647	Pass
	5270.0 to 5278.4	5272.950	0.803526	1.762	Pass
	5278.4 to 5400.0	5279.362	0.404576	0.833	Pass
	5400.0 to 26000.0	25778.550	0.432514	0.833	Pass

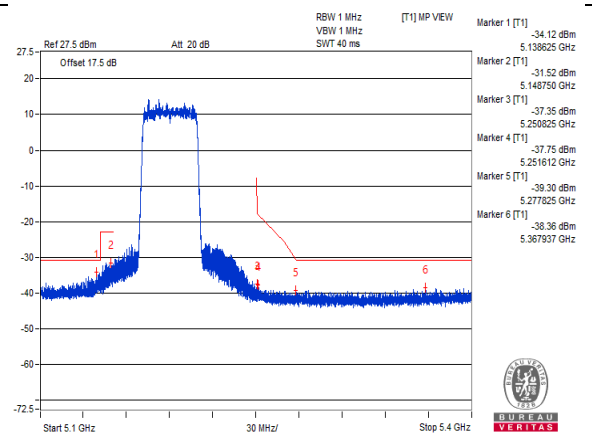
Note: 1. The spectrum plots are attached on the following pages.

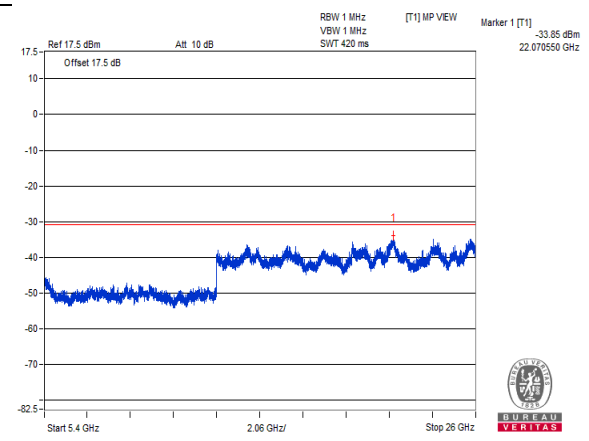
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



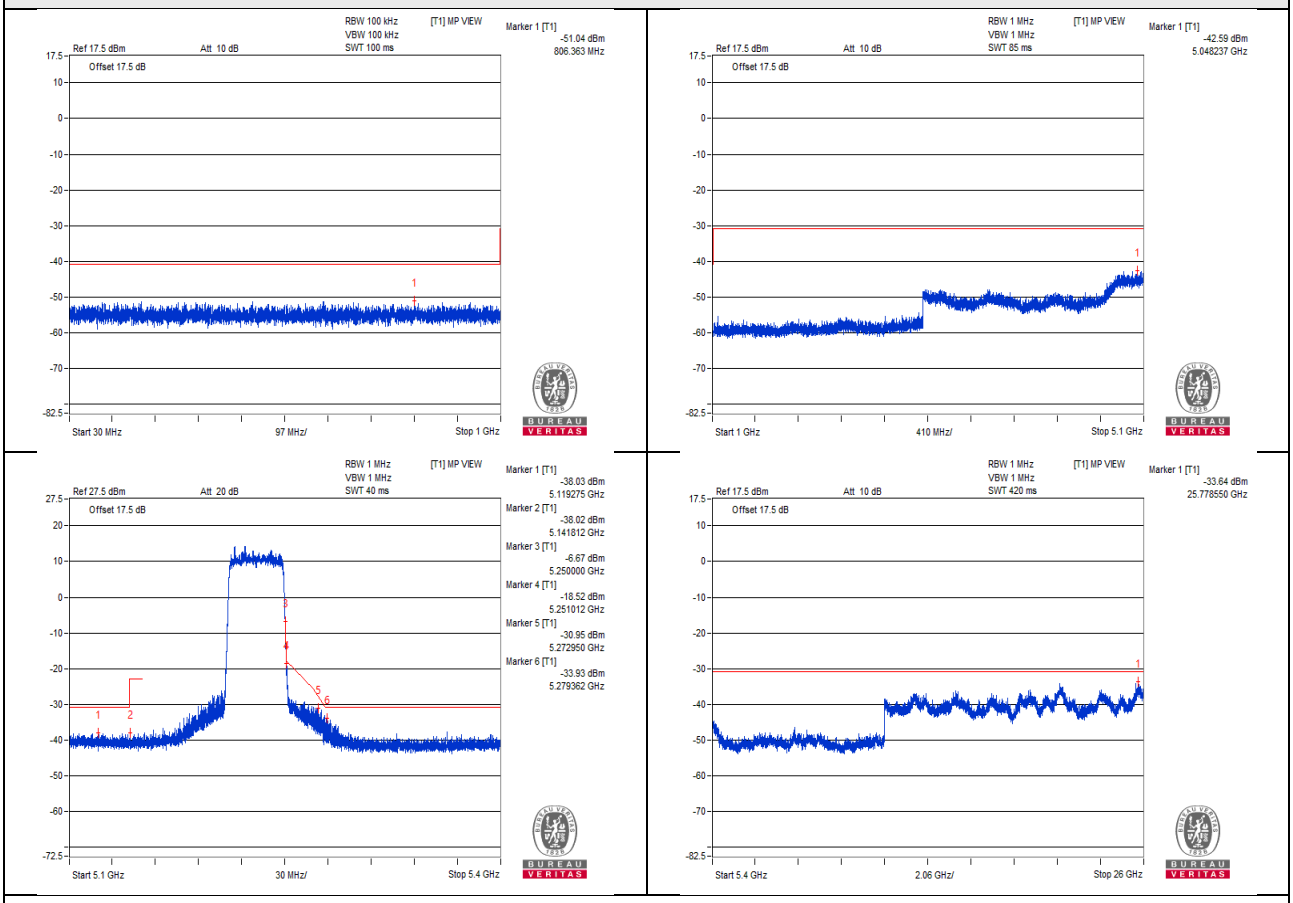




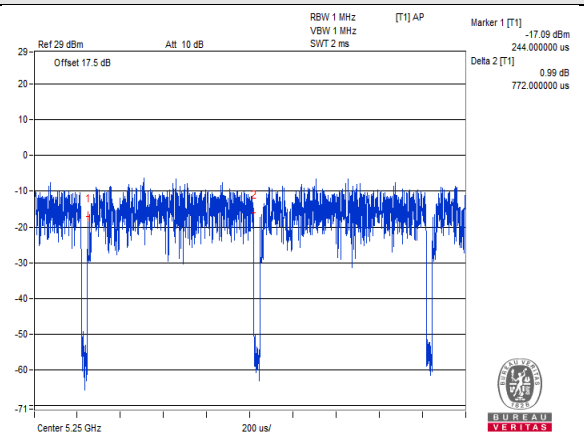


CH 38 (5190MHz)

Vnormal



CH 46 (5230MHz)

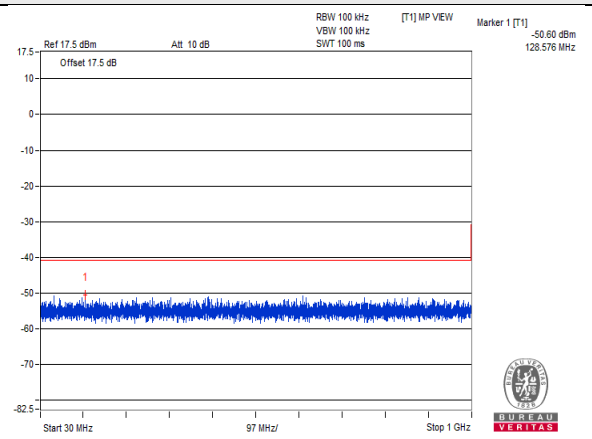
Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the “dBm” value into “uW” value. 3. It adds the all values and calculates a grand total. Define a grand total as “P”. 4. It divides “P” by sample data point (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5250.000MHz	P = 37.828835uW			

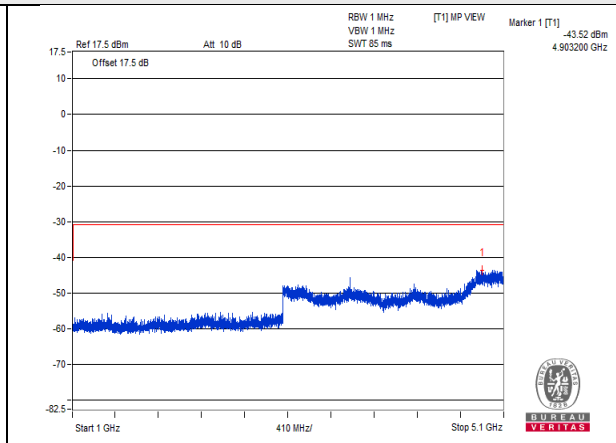
Test Channel		CH 54 (5270MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	128.576	0.008710	0.083	Pass
	1000.0 to 5100.0	4903.200	0.044463	0.833	Pass
	5100.0 to 5221.6	5218.350	0.391742	0.833	Pass
	5221.6 to 5230.0	5228.775	0.717794	2.232	Pass
	5230.0 to 5249.0	5248.987	15.240528	16.646	Pass
	5249.0 to 5250.0	5250.000	59.023785	166.667	Pass(1)
	5350.0 to 5358.4	5351.662	0.131220	5.000	Pass
	5358.4 to 5400.0	5373.225	0.162555	0.833	Pass
	5400.0 to 26000.0	25732.200	0.370681	0.833	Pass
Test Channel		**CH 62 (5310MHz)**			
V_{normal}	30.0 to 1000.0	886.146	0.008204	0.083	Pass
	1000.0 to 5100.0	4899.100	0.049888	0.833	Pass
	5100.0 to 5221.6	5126.400	0.188365	0.833	Pass
	5221.6 to 5230.0	5229.300	0.125314	2.399	Pass
	5230.0 to 5249.0	5238.975	0.153109	6.306	Pass
	5249.0 to 5250.0	5249.887	0.140929	128.484	Pass
	5350.0 to 5358.4	5350.575	0.674528	5.000	Pass
	5358.4 to 5400.0	5360.137	0.469894	0.833	Pass
	5400.0 to 26000.0	22129.775	0.399945	0.833	Pass

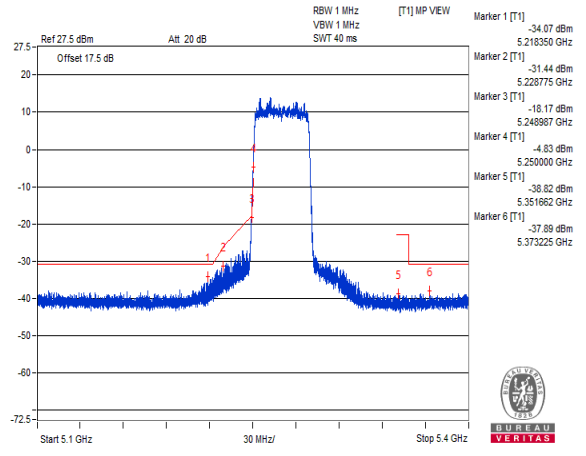
Note: 1. The spectrum plots are attached on the following pages.

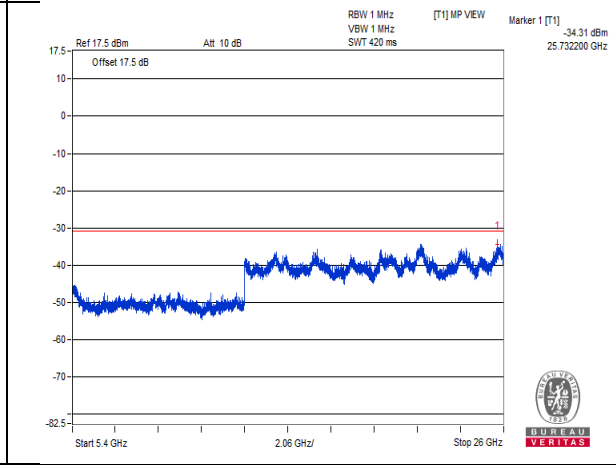
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



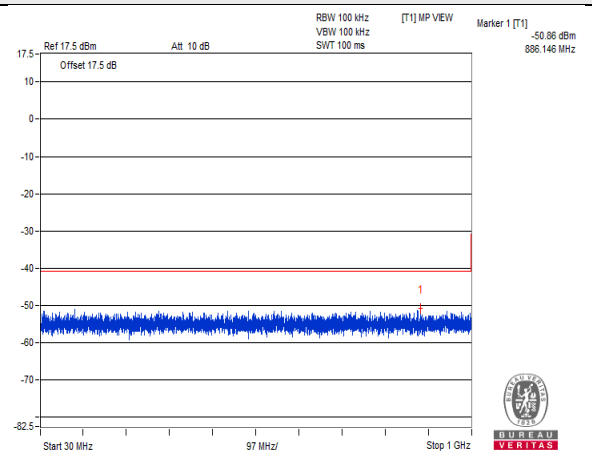


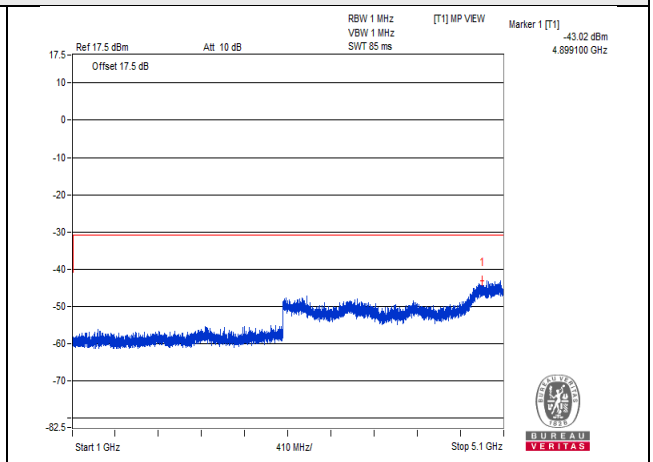


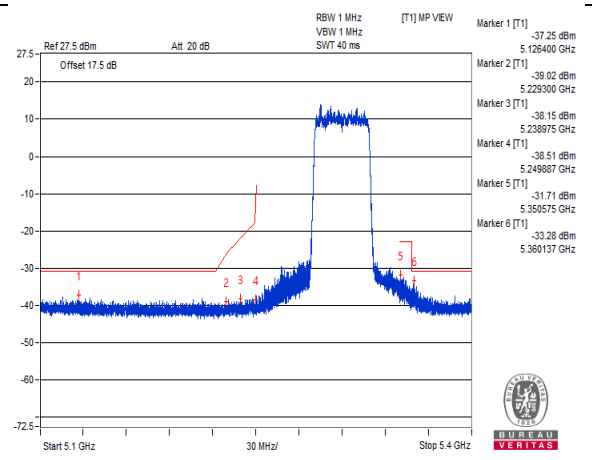


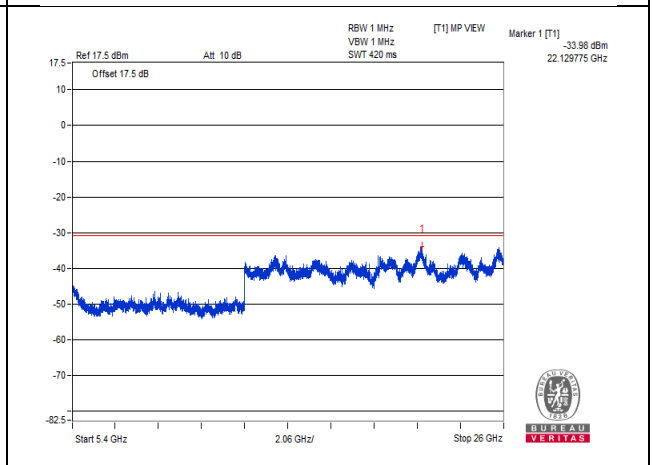
CH 54 (5270MHz)

Vnormal

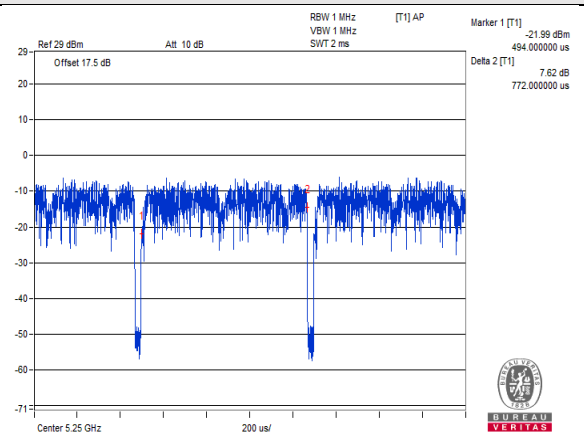








CH 62 (5310MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5250.000MHz	P = 59.023785uW			

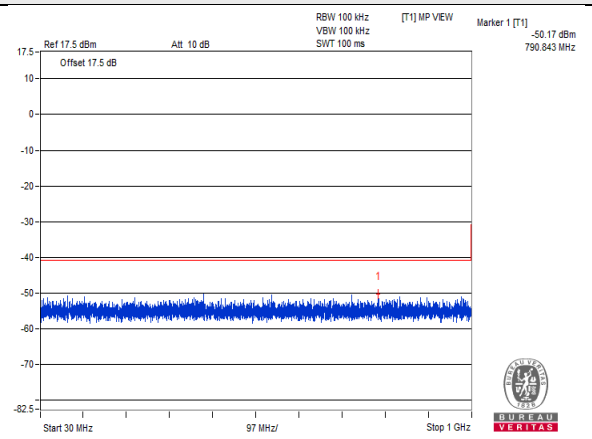
Chain 2

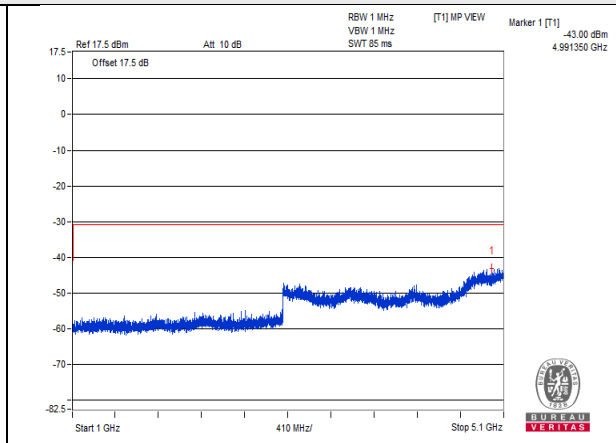
Test Channel		CH 38 (5190MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	790.843	0.009616	0.083	Pass
	1000.0 to 5100.0	4991.350	0.050119	0.833	Pass
	5100.0 to 5141.6	5139.787	0.469894	0.833	Pass
	5141.6 to 5150.0	5144.512	0.841395	5.000	Pass
	5250.0 to 5251.0	5250.975	0.101391	17.654	Pass
	5251.0 to 5270.0	5267.250	0.133968	3.449	Pass
	5270.0 to 5278.4	5271.075	0.117761	2.279	Pass
	5278.4 to 5400.0	5384.025	0.157036	0.833	Pass
	5400.0 to 26000.0	25860.950	0.373250	0.833	Pass
Test Channel		**CH 46 (5230MHz)**			
V_{normal}	30.0 to 1000.0	803.211	0.008630	0.083	Pass
	1000.0 to 5100.0	5005.700	0.050582	0.833	Pass
	5100.0 to 5141.6	5125.387	0.162930	0.833	Pass
	5141.6 to 5150.0	5148.300	0.140929	5.000	Pass
	5250.0 to 5251.0	5250.150	21.967335	117.991	Pass(1)
	5251.0 to 5270.0	5251.000	11.803206	16.667	Pass
	5270.0 to 5278.4	5270.137	1.230269	2.592	Pass
	5278.4 to 5400.0	5278.650	0.497737	0.833	Pass
	5400.0 to 26000.0	21985.575	0.431519	0.833	Pass

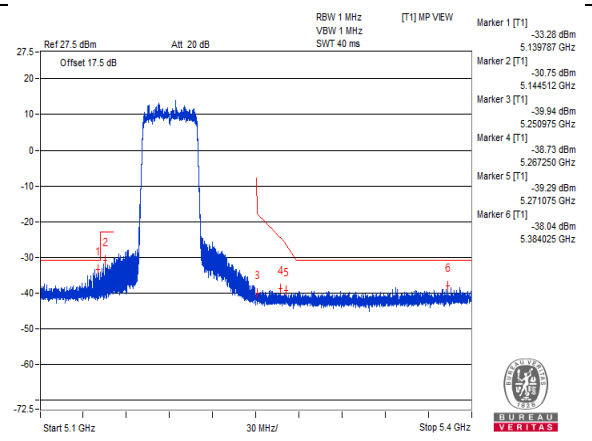
Note: 1. The spectrum plots are attached on the following pages.

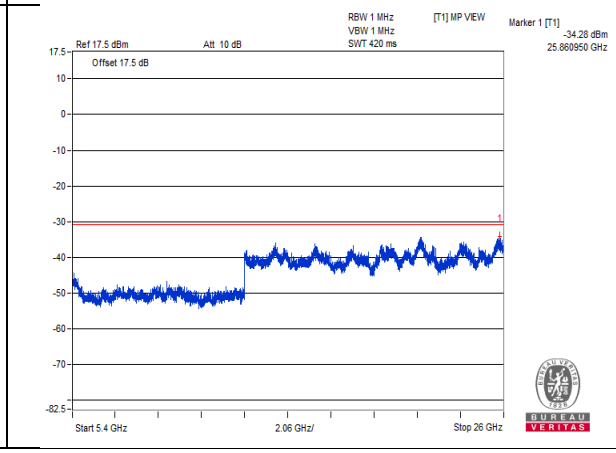
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



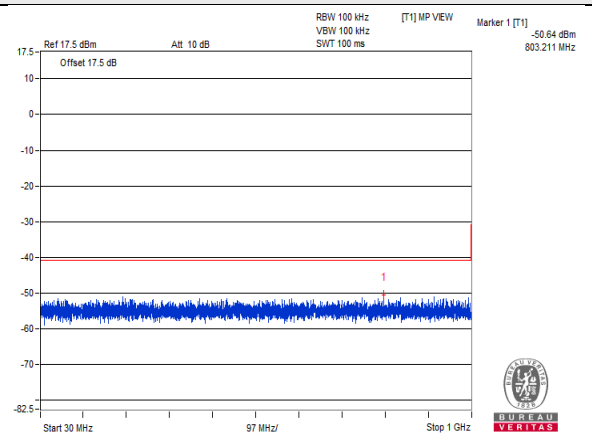


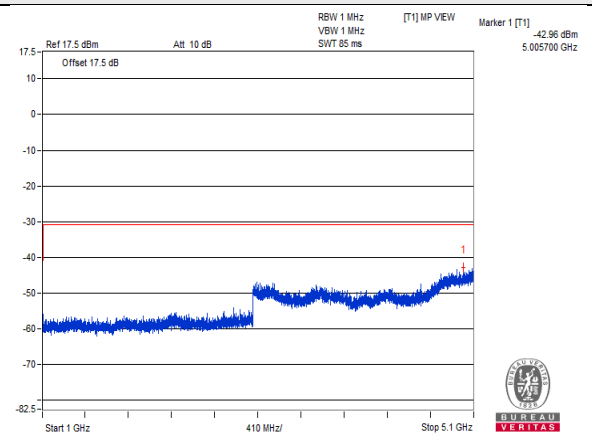


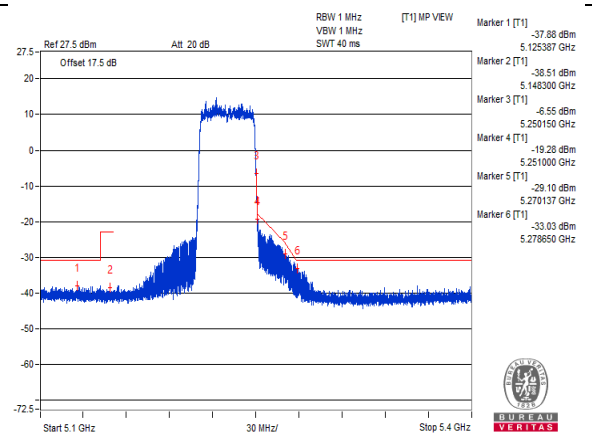


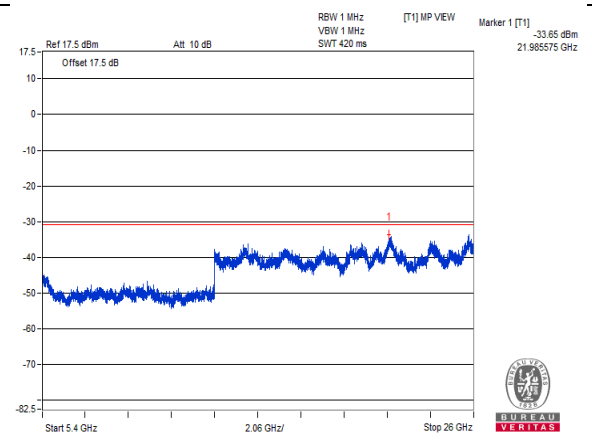
CH 38 (5190MHz)

Vnormal

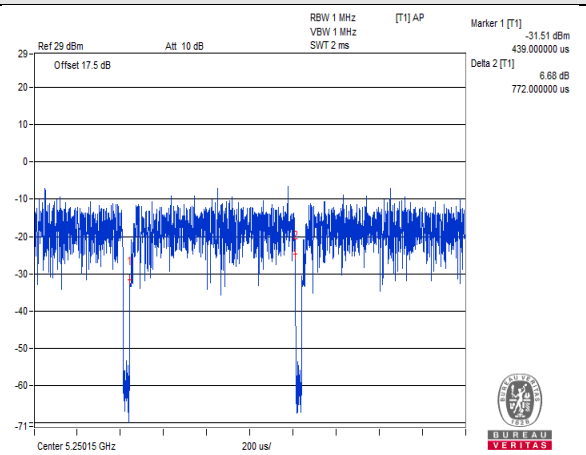








CH 46 (5230MHz)

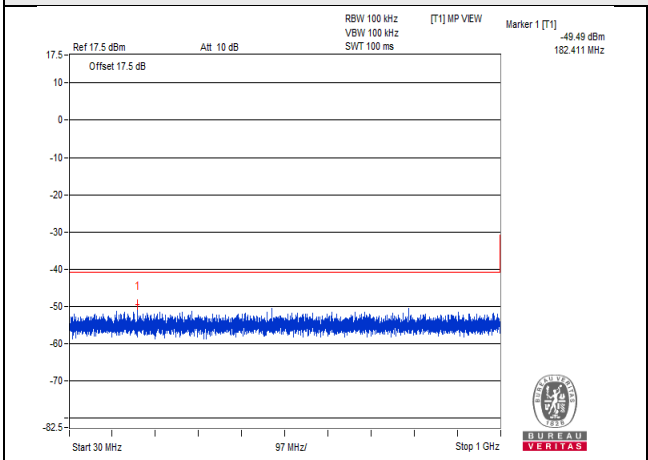
Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the “dBm” value into “uW” value. 3. It adds the all values and calculates a grand total. Define a grand total as “P”. 4. It divides “P” by sample data point (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5250.150MHz	P = 21.967335uW			

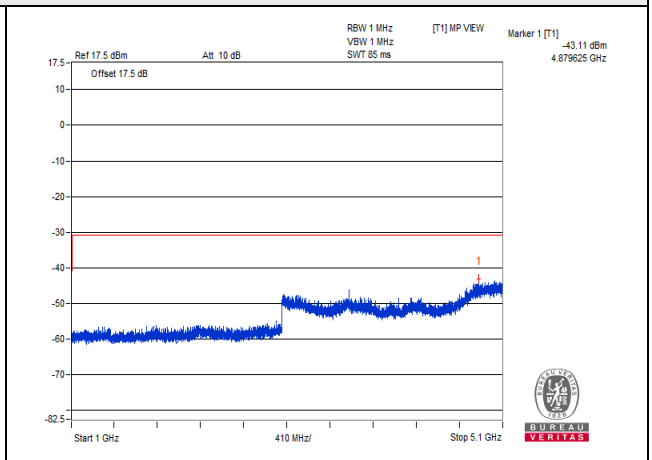
Test Channel		CH 54 (5270MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	182.411	0.011246	0.083	Pass
	1000.0 to 5100.0	4879.625	0.048865	0.833	Pass
	5100.0 to 5221.6	5221.350	0.682339	0.833	Pass
	5221.6 to 5230.0	5228.475	1.995262	2.142	Pass
	5230.0 to 5249.0	5248.987	3.209990	16.646	Pass(1)
	5249.0 to 5250.0	5249.962	58.472094	152.703	Pass(2)
	5350.0 to 5358.4	5353.800	0.164059	5.000	Pass
	5358.4 to 5400.0	5395.200	0.173780	0.833	Pass
	5400.0 to 26000.0	22086.000	0.437522	0.833	Pass
Test Channel		**CH 62 (5310MHz)**			
V_{normal}	30.0 to 1000.0	810.850	0.008356	0.083	Pass
	1000.0 to 5100.0	4900.125	0.045814	0.833	Pass
	5100.0 to 5221.6	5131.162	0.199067	0.833	Pass
	5221.6 to 5230.0	5222.962	0.156675	1.005	Pass
	5230.0 to 5249.0	5248.200	0.261818	15.423	Pass
	5249.0 to 5250.0	5249.062	0.127057	19.224	Pass
	5350.0 to 5358.4	5350.650	1.221800	5.000	Pass
	5358.4 to 5400.0	5359.875	0.590201	0.833	Pass
	5400.0 to 26000.0	22039.650	0.375837	0.833	Pass

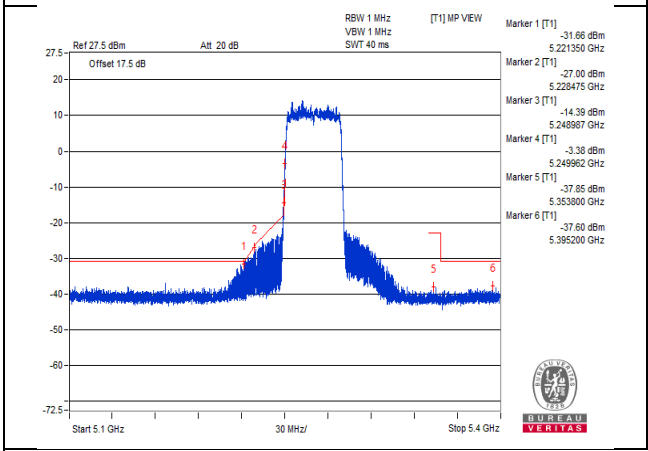
Note: 1. The spectrum plots are attached on the following pages.

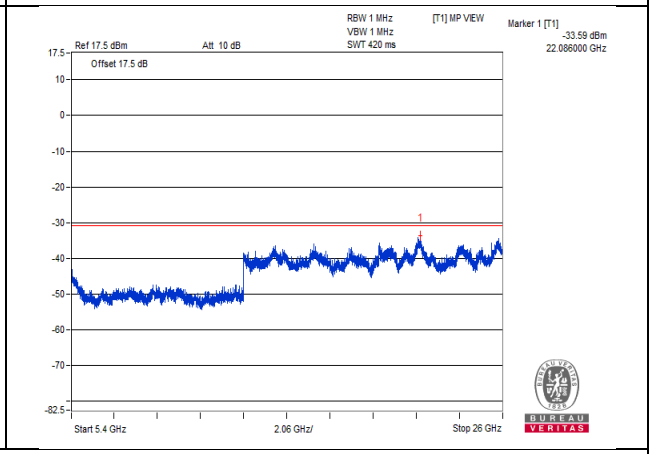
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



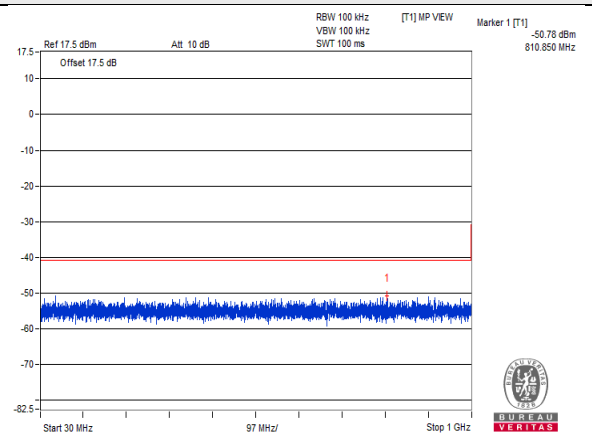


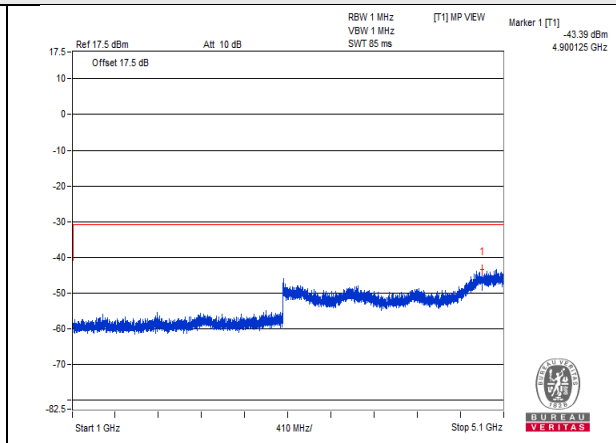


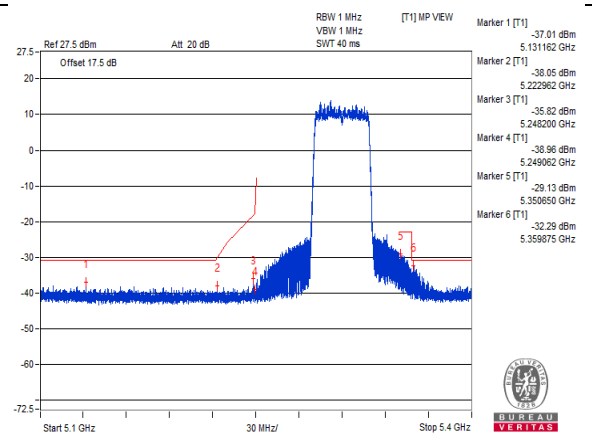


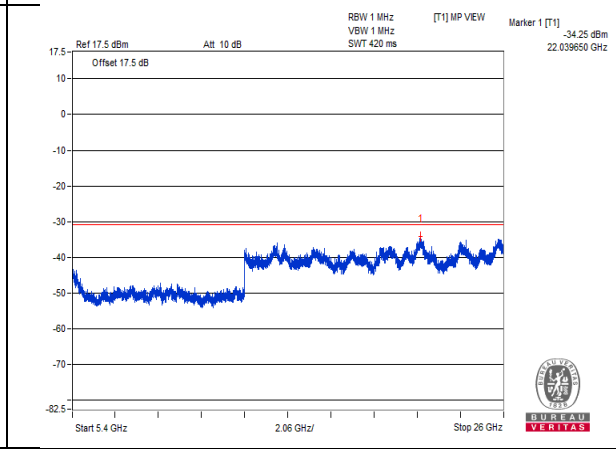
CH 54 (5270MHz)

Vnormal



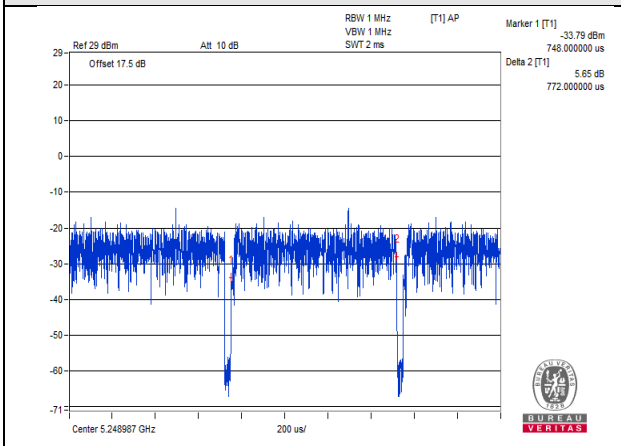




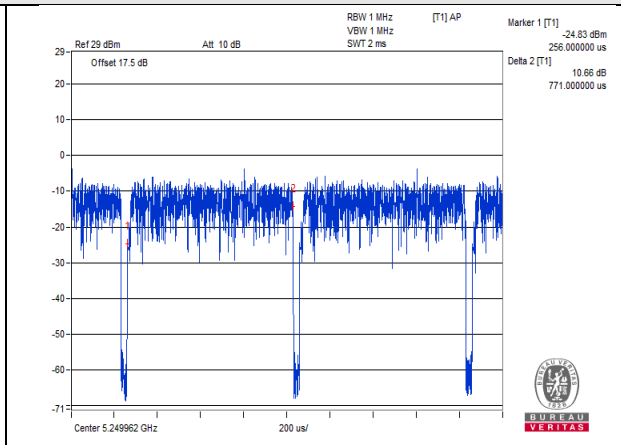


CH 62 (5310MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal



1	5248.987MHz	P = 3.20999uW	2	5249.962MHz	P = 58.472094uW



[Worst result] x [Number of antenna ports]

Test Channel		CH 38 (5190MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.028848	0.249	Pass
	1000.0 to 5100.0	0.201894	2.499	Pass
	5100.0 to 5141.6	1.409682	2.499	Pass
	5141.6 to 5150.0	3.013848	15	Pass
	5250.0 to 5251.0	0.552231	74.811	Pass
	5251.0 to 5270.0	0.503640	47.121	Pass
	5270.0 to 5278.4	0.354912	7.311	Pass
	5278.4 to 5400.0	0.471108	2.499	Pass
	5400.0 to 26000.0	1.303530	2.499	Pass
Test Channel		**CH 46 (5230MHz)**		
V_{normal}	30.0 to 1000.0	0.034764	0.249	Pass
	1000.0 to 5100.0	0.165243	2.499	Pass
	5100.0 to 5141.6	0.488790	2.499	Pass
	5141.6 to 5150.0	0.473283	15	Pass
	5250.0 to 5251.0	388.258752	500.001	Pass
	5251.0 to 5270.0	42.181425	49.941	Pass
	5270.0 to 5278.4	3.690807	7.776	Pass
	5278.4 to 5400.0	1.493211	2.499	Pass
	5400.0 to 26000.0	1.383954	2.499	Pass

Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

Test Channel		CH 54 (5270MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.033738	0.249	Pass
	1000.0 to 5100.0	0.146595	2.499	Pass
	5100.0 to 5221.6	2.047017	2.499	Pass
	5221.6 to 5230.0	5.985786	6.426	Pass
	5230.0 to 5249.0	45.721584	49.938	Pass
	5249.0 to 5250.0	177.071355	500.001	Pass
	5350.0 to 5358.4	0.492177	15	Pass
	5358.4 to 5400.0	0.521340	2.499	Pass
	5400.0 to 26000.0	1.321665	2.499	Pass
Test Channel		**CH 62 (5310MHz)**		
V_{normal}	30.0 to 1000.0	0.033429	0.249	Pass
	1000.0 to 5100.0	0.149664	2.499	Pass
	5100.0 to 5221.6	0.597201	2.499	Pass
	5221.6 to 5230.0	0.470025	3.015	Pass
	5230.0 to 5249.0	0.785454	46.269	Pass
	5249.0 to 5250.0	0.440679	385.452	Pass
	5350.0 to 5358.4	3.665400	15	Pass
	5358.4 to 5400.0	1.770603	2.499	Pass
	5400.0 to 26000.0	1.227783	2.499	Pass

Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

W52 & W53 Bands:

802.11ax (HE80)

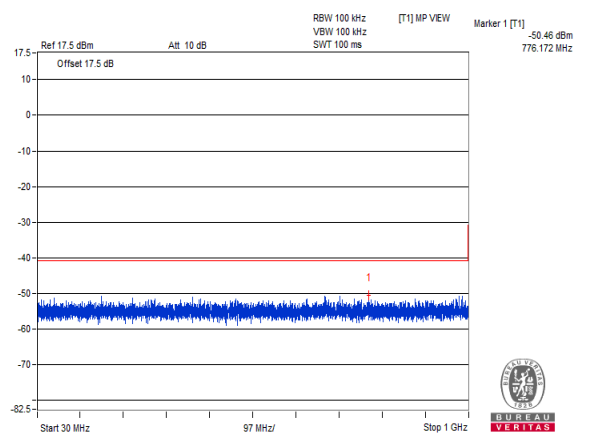
Chain 0

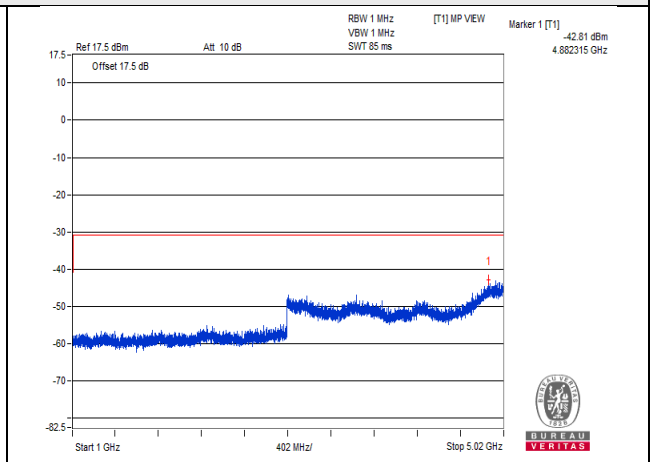
Test Channel		CH 42 (5210MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	776.172	0.008995	0.083	Pass
	1000.0 to 5020.0	4882.315	0.052360	0.833	Pass
	5020.0 to 5123.2	5091.875	0.255859	0.833	Pass
	5123.2 to 5150.0	5132.125	0.317687	5.000	Pass
	5250.0 to 5251.0	5250.057	12.788801	73.083	Pass(1)
	5251.0 to 5290.0	5251.150	0.473092	8.275	Pass(2)
	5290.0 to 5296.7	5294.562	0.251768	0.965	Pass
	5296.7 to 5480.0	5306.350	0.398107	0.833	Pass
	5480.0 to 26000.0	25825.580	0.433511	0.833	Pass

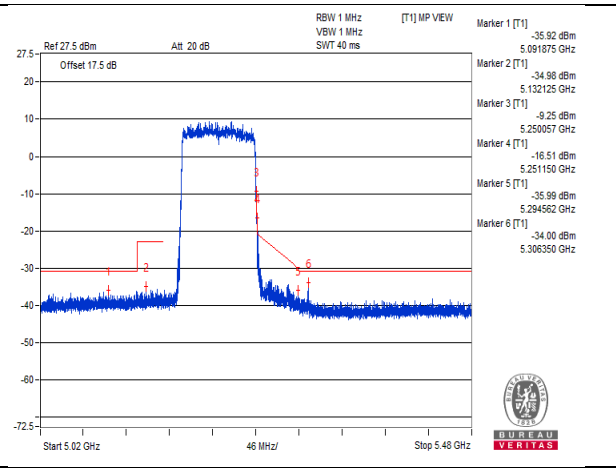
Note: 1. The spectrum plots are attached on the following pages.

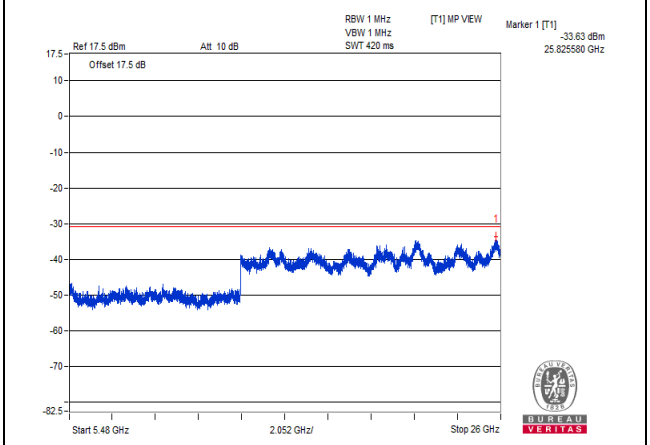
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



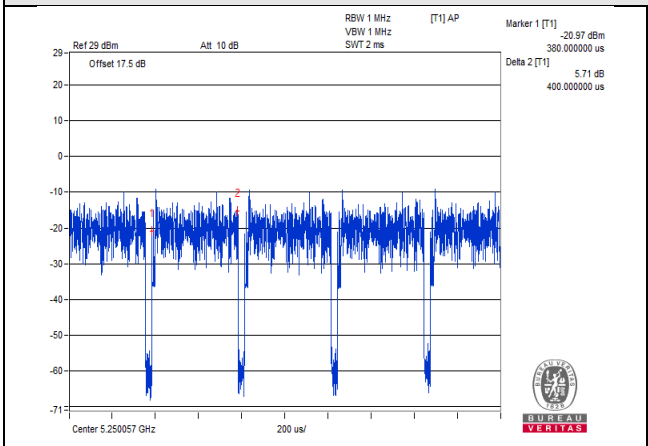


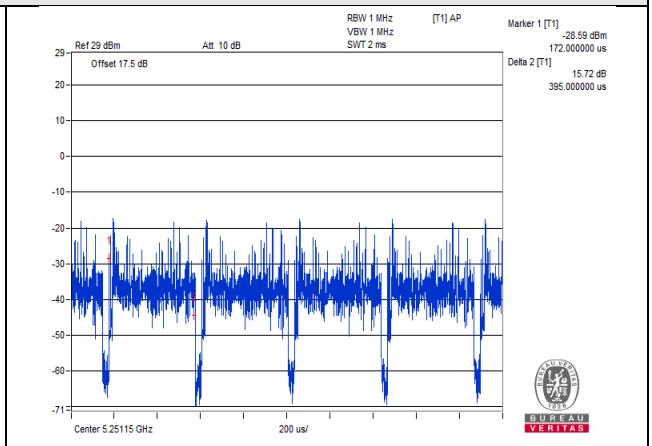




CH 42 (5210MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





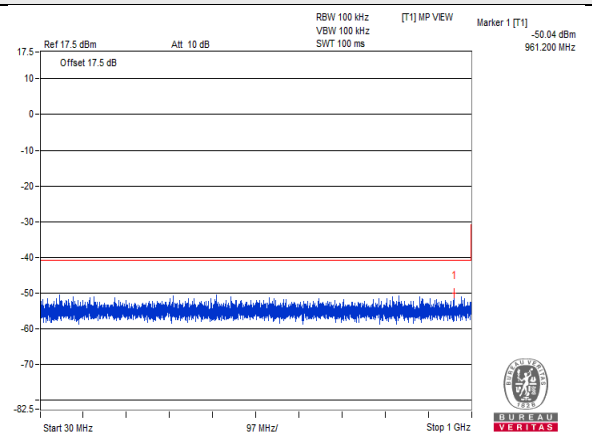
1	5250.057MHz	P = 12.788801uW	2	5251.150MHz	P = 0.473092uW

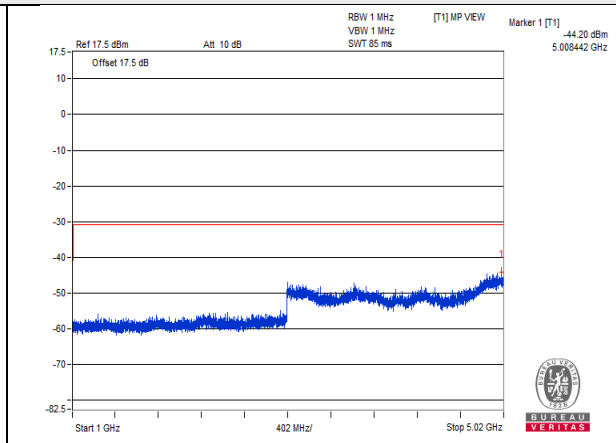
Test Channel		CH 58 (5290MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	961.200	0.009908	0.083	Pass
	1000.0 to 5020.0	5008.442	0.038019	0.833	Pass
	5020.0 to 5203.3	5086.700	0.220293	0.833	Pass
	5203.3 to 5210.0	5203.540	0.193197	0.847	Pass
	5210.0 to 5249.0	5249.000	0.959906	8.333	Pass(1)
	5249.0 to 5250.0	5249.827	10.357216	55.952	Pass(2)
	5350.0 to 5376.8	5363.102	0.462381	5.000	Pass
	5376.8 to 5480.0	5385.930	0.240436	0.833	Pass
	5480.0 to 26000.0	21993.470	0.399025	0.833	Pass

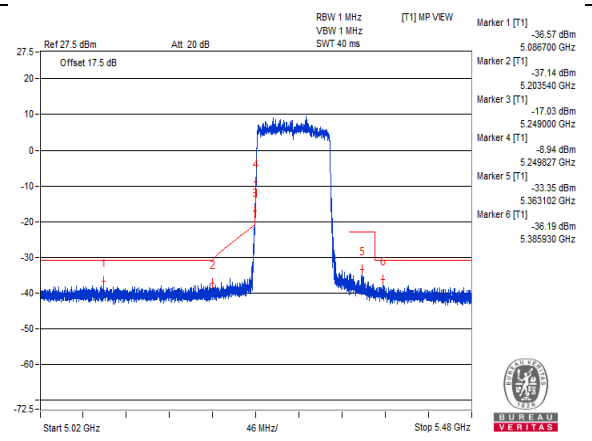
Note: 1. The spectrum plots are attached on the following pages.

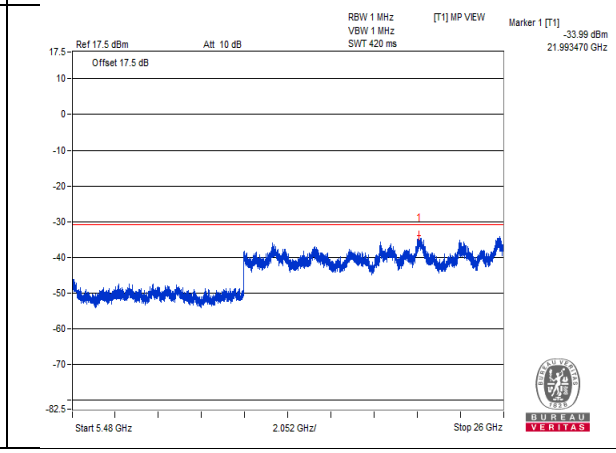
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



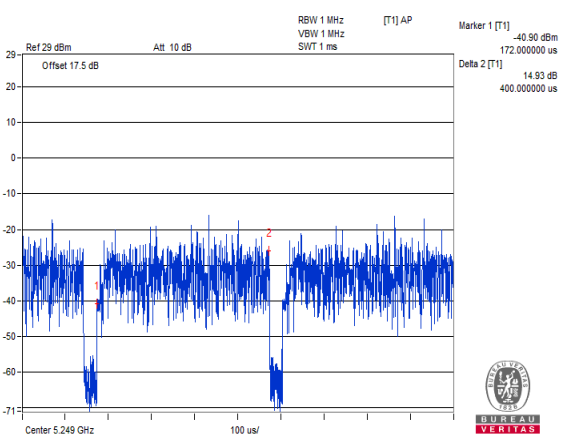


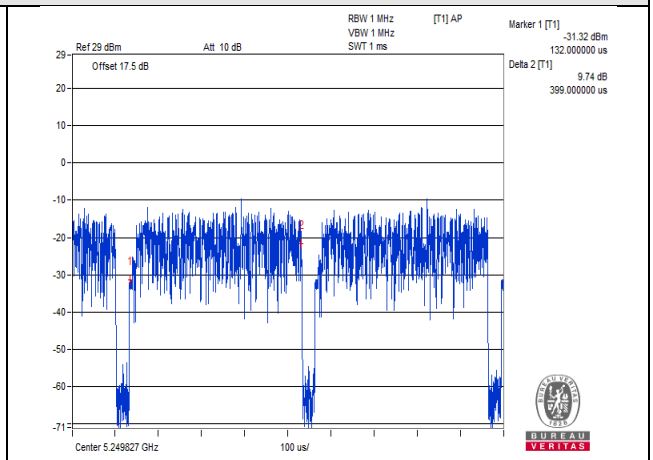




CH 58 (5290MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





1	5249.000MHz	P = 0.959906uW	2	5249.827MHz	P = 10.357216uW

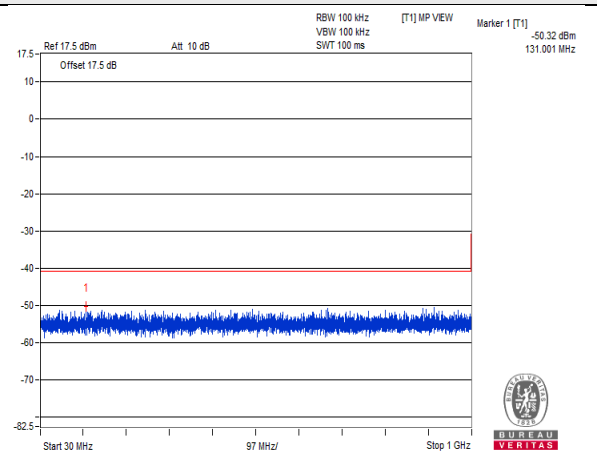
Chain 1

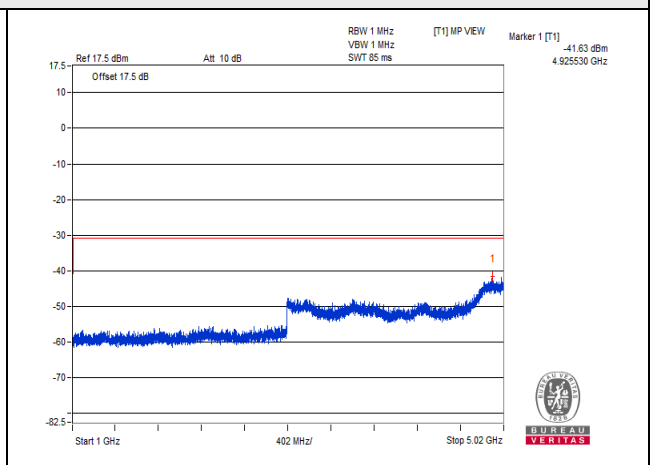
Test Channel		CH 42 (5210MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	131.001	0.009290	0.083	Pass
	1000.0 to 5020.0	4925.530	0.068707	0.833	Pass
	5020.0 to 5123.2	5121.315	0.444631	0.833	Pass
	5123.2 to 5150.0	5126.777	0.597035	5.000	Pass
	5250.0 to 5251.0	5250.000	14.478184	83.333	Pass(1)
	5251.0 to 5290.0	5251.000	0.479352	8.333	Pass(2)
	5290.0 to 5296.7	5293.642	0.331131	1.028	Pass
	5296.7 to 5480.0	5306.062	0.421697	0.833	Pass
	5480.0 to 26000.0	22103.765	0.371535	0.833	Pass

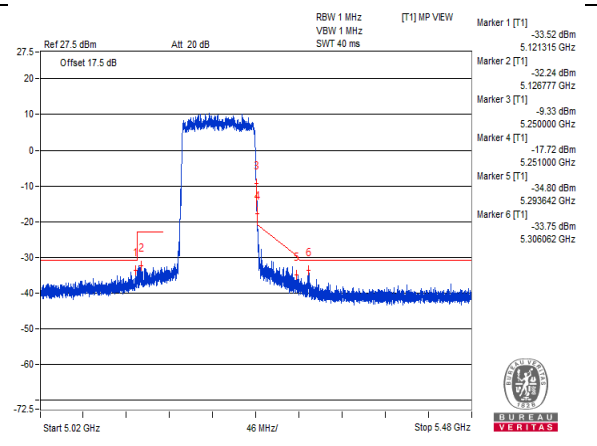
Note: 1. The spectrum plots are attached on the following pages.

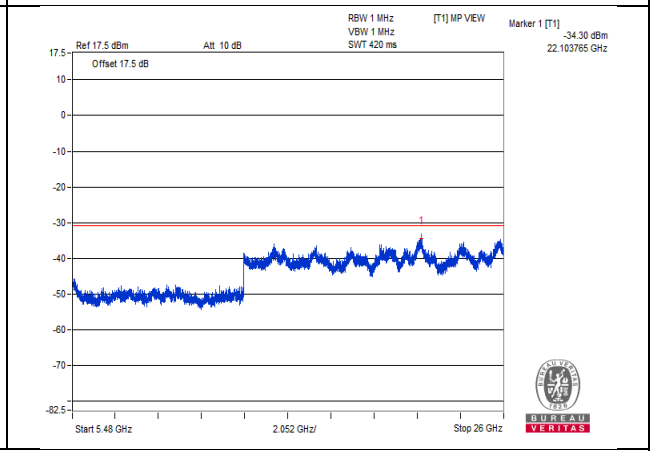
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



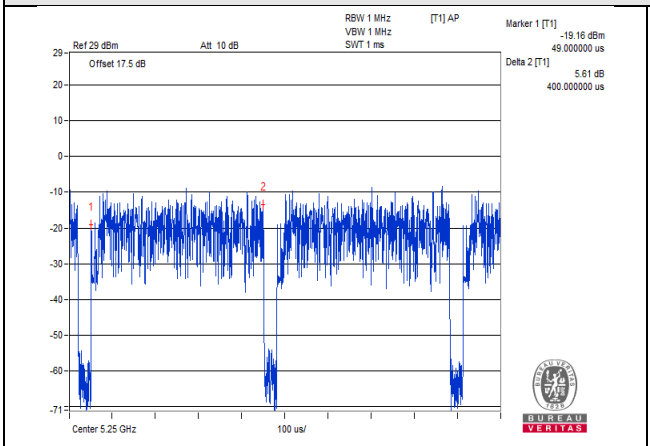




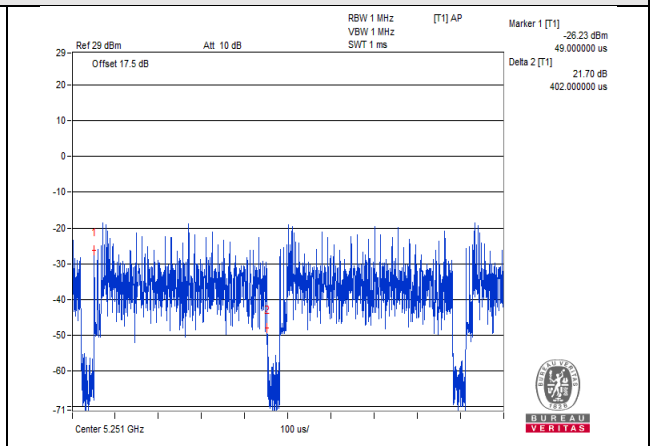


CH 42 (5210MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal



1	5250.000MHz	P = 14.478184uW



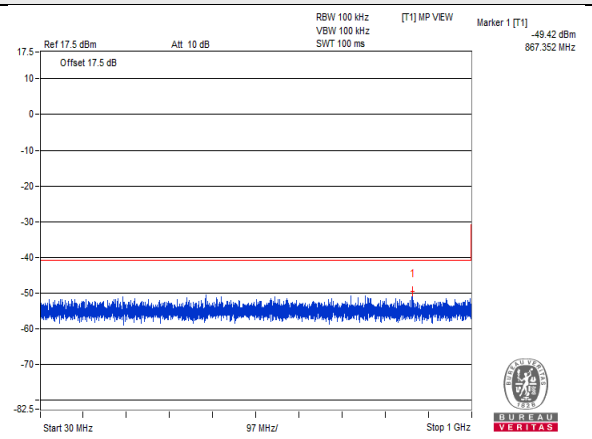
2	5251.000MHz	P = 0.479352uW

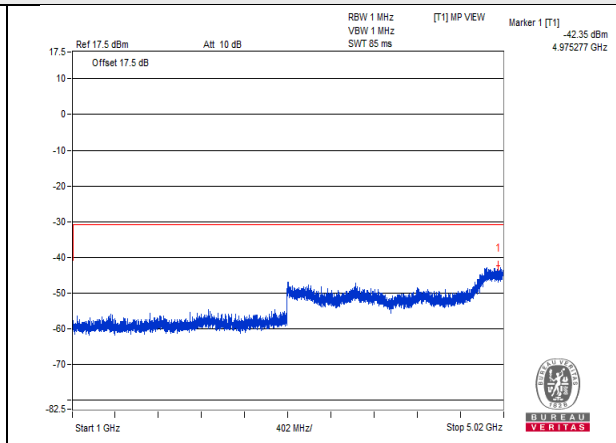
Test Channel		CH 58 (5290MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	867.352	0.011429	0.083	Pass
	1000.0 to 5020.0	4975.277	0.058210	0.833	Pass
	5020.0 to 5203.3	5195.145	0.481948	0.833	Pass
	5203.3 to 5210.0	5203.597	0.608135	0.851	Pass
	5210.0 to 5249.0	5248.850	1.124602	8.275	Pass(1)
	5249.0 to 5250.0	5249.942	25.718870	72.915	Pass(2)
	5350.0 to 5376.8	5354.477	0.857038	5.000	Pass
	5376.8 to 5480.0	5386.965	0.724436	0.833	Pass
	5480.0 to 26000.0	25797.365	0.416869	0.833	Pass

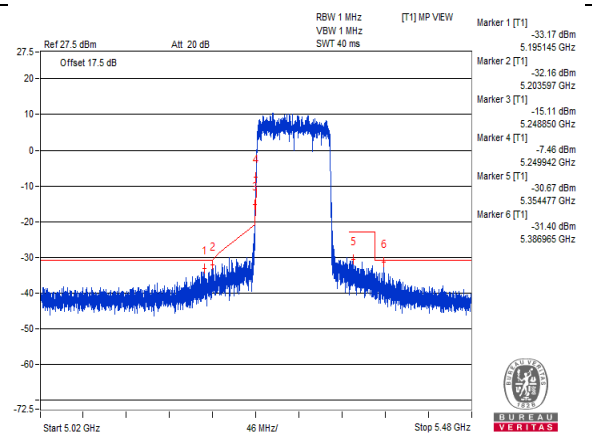
Note: 1. The spectrum plots are attached on the following pages.

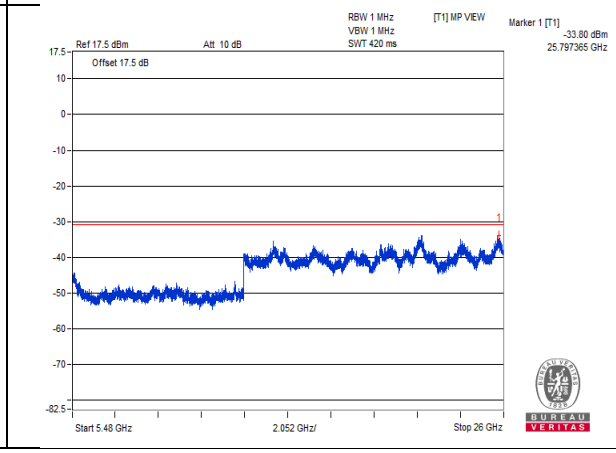
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



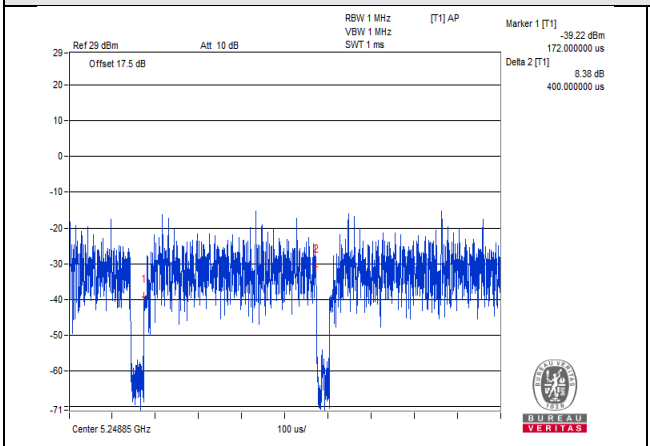




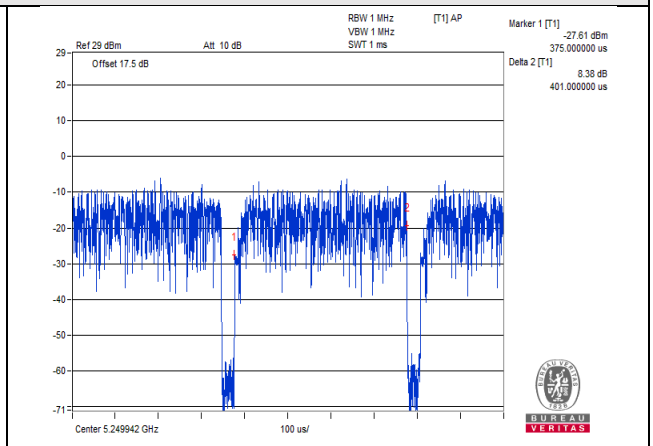


CH 58 (5290MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal



1	5248.850MHz	P = 1.124602uW	2	5249.942MHz	P = 25.71887uW



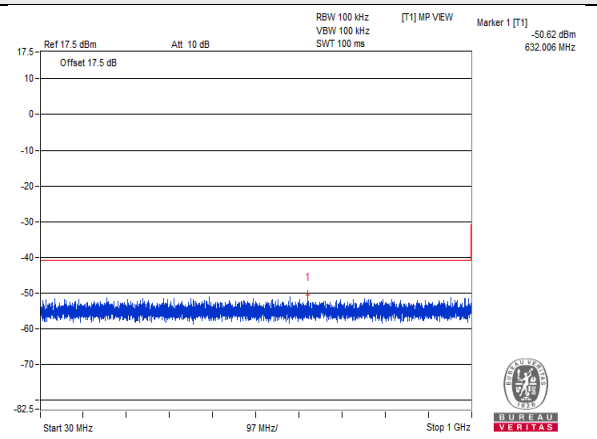
Chain 2

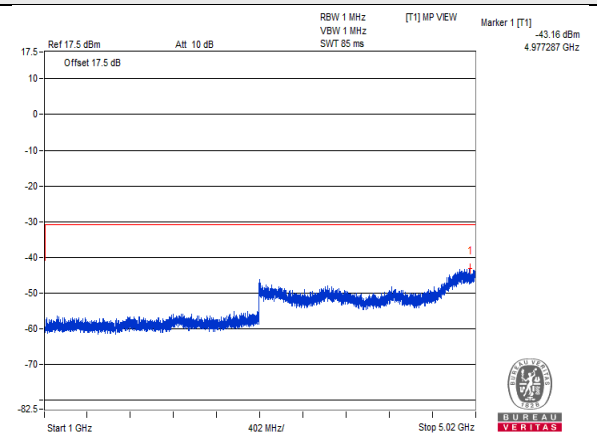
Test Channel		CH 42 (5210MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	632.006	0.008670	0.083	Pass
	1000.0 to 5020.0	4977.287	0.048306	0.833	Pass
	5020.0 to 5123.2	5085.147	0.298538	0.833	Pass
	5123.2 to 5150.0	5128.502	0.392645	5.000	Pass
	5250.0 to 5251.0	5250.057	9.853456	73.083	Pass(1)
	5251.0 to 5290.0	5251.000	0.394483	8.333	Pass(2)
	5290.0 to 5296.7	5292.090	0.399025	1.144	Pass
	5296.7 to 5480.0	5306.522	0.270396	0.833	Pass
	5480.0 to 26000.0	22052.465	0.431519	0.833	Pass

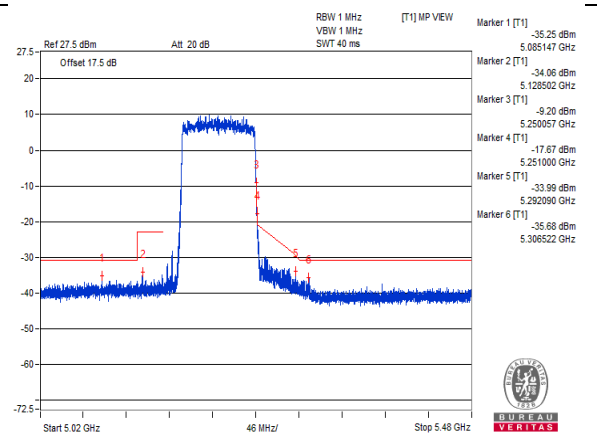
Note: 1. The spectrum plots are attached on the following pages.

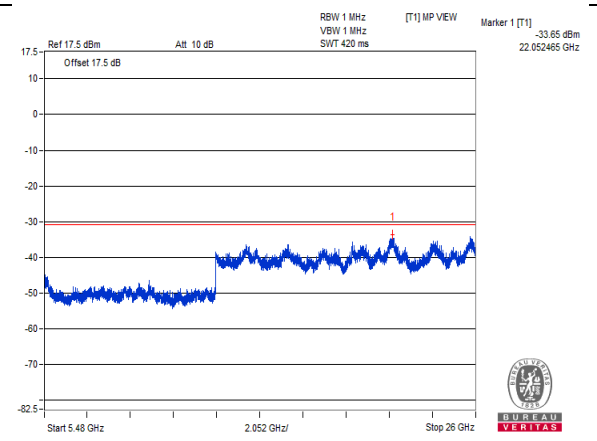
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



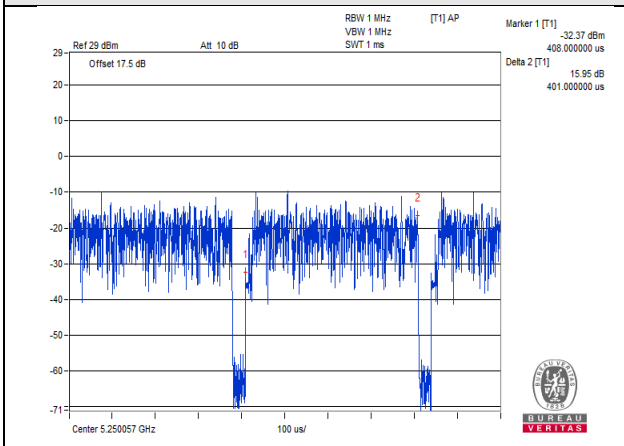




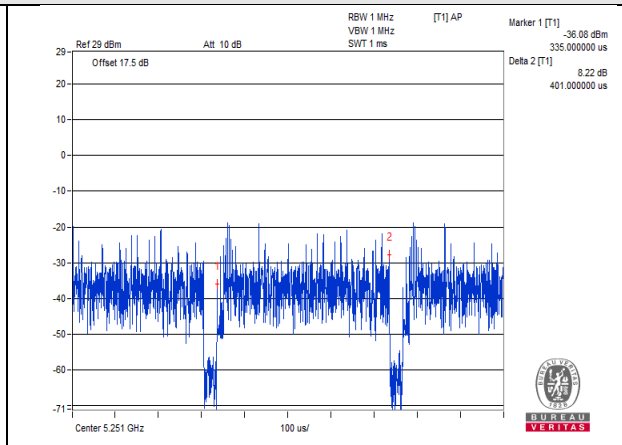


CH 42 (5210MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal



1	5250.057MHz	P = 9.853456uW	2	5251.000MHz	P = 0.394483uW

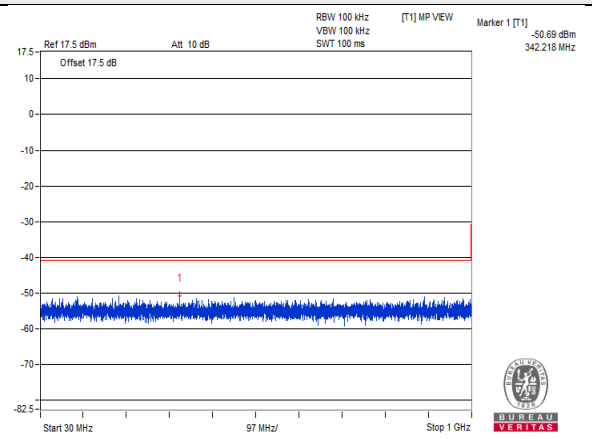


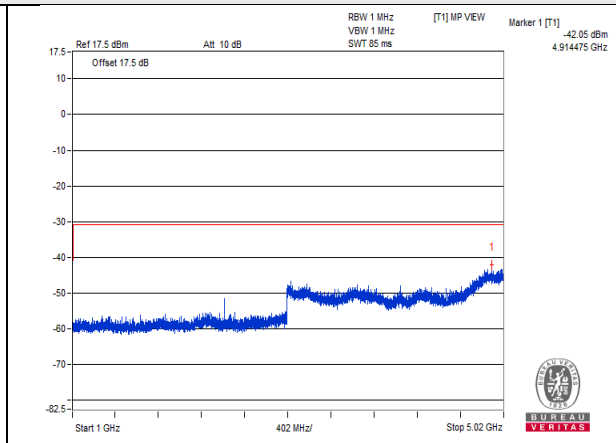
Test Channel		CH 58 (5290MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	342.218	0.008531	0.083	Pass
	1000.0 to 5020.0	4914.475	0.062373	0.833	Pass
	5020.0 to 5203.3	5202.447	0.518800	0.833	Pass
	5203.3 to 5210.0	5208.657	0.473151	1.204	Pass
	5210.0 to 5249.0	5248.907	1.075948	8.297	Pass(1)
	5249.0 to 5250.0	5250.000	27.335676	83.333	Pass(2)
	5350.0 to 5376.8	5360.687	1.213389	5.000	Pass
	5376.8 to 5480.0	5386.332	0.459198	0.833	Pass
	5480.0 to 26000.0	22170.455	0.459198	0.833	Pass

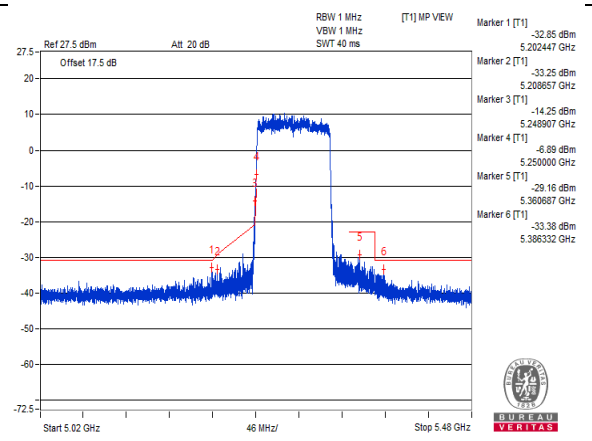
Note: 1. The spectrum plots are attached on the following pages.

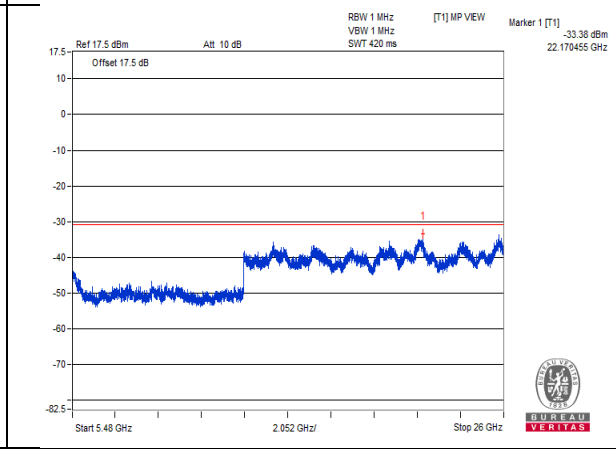
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal

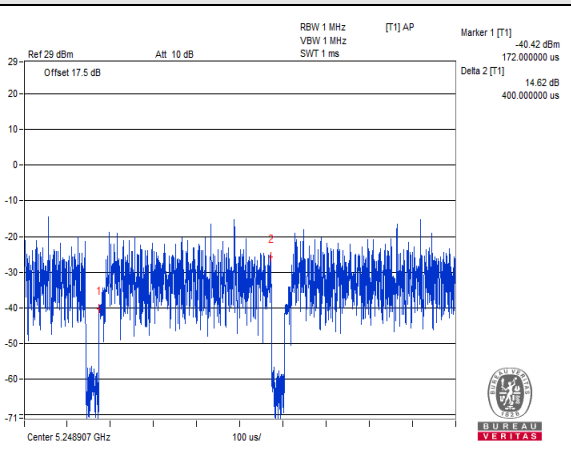
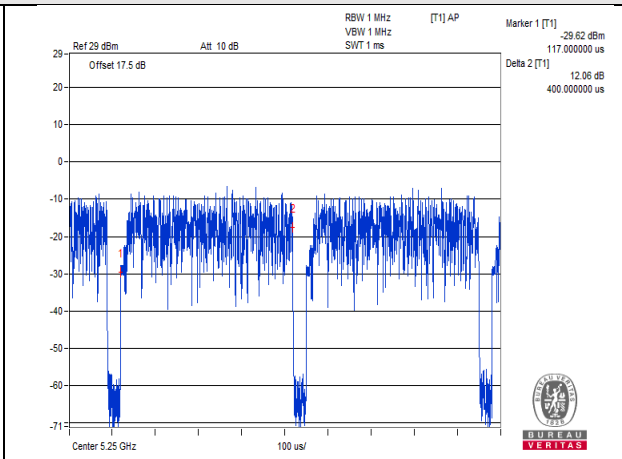








CH 58 (5290MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5248.907MHz	P = 1.075948uW	2	5250.000MHz	P = 27.335676uW

[Worst result] x [Number of antenna ports]

Test Channel		CH 42 (5210MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.027870	0.249	Pass
	1000.0 to 5020.0	0.206121	2.499	Pass
	5020.0 to 5123.2	1.333893	2.499	Pass
	5123.2 to 5150.0	1.791105	15	Pass
	5250.0 to 5251.0	43.434552	249.999	Pass
	5251.0 to 5290.0	1.438056	24.999	Pass
	5290.0 to 5296.7	1.197075	3.432	Pass
	5296.7 to 5480.0	1.265091	2.499	Pass
	5480.0 to 26000.0	1.300533	2.499	Pass

Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

Test Channel		CH 58 (5290MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.034287	0.249	Pass
	1000.0 to 5020.0	0.187119	2.499	Pass
	5020.0 to 5203.3	1.556400	2.499	Pass
	5203.3 to 5210.0	1.824405	2.553	Pass
	5210.0 to 5249.0	3.373806	24.825	Pass
	5249.0 to 5250.0	82.007028	249.999	Pass
	5350.0 to 5376.8	3.640167	15	Pass
	5376.8 to 5480.0	2.173308	2.499	Pass
	5480.0 to 26000.0	1.377594	2.499	Pass

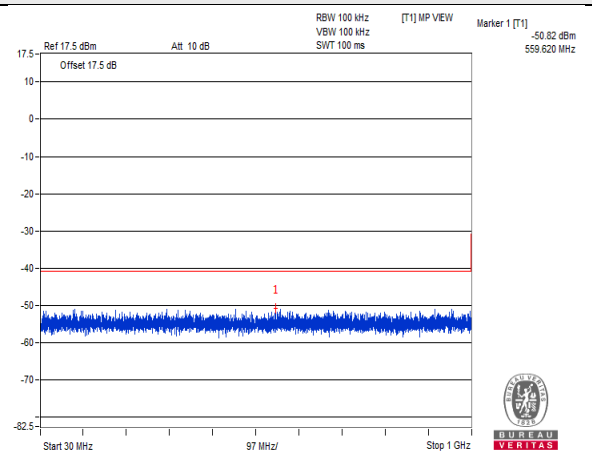
Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

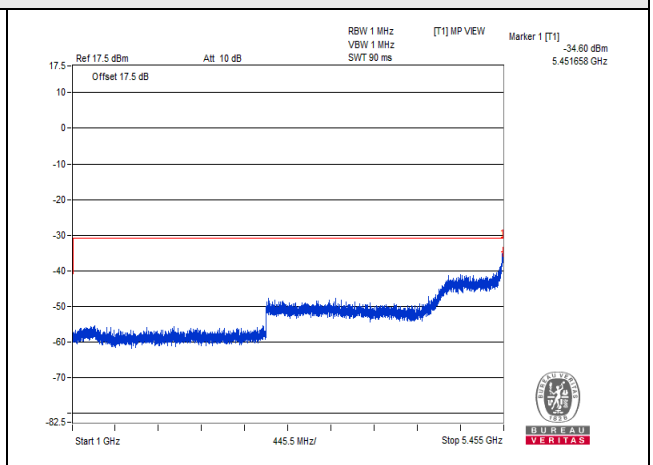
W56 Band:
802.11a
Chain 0

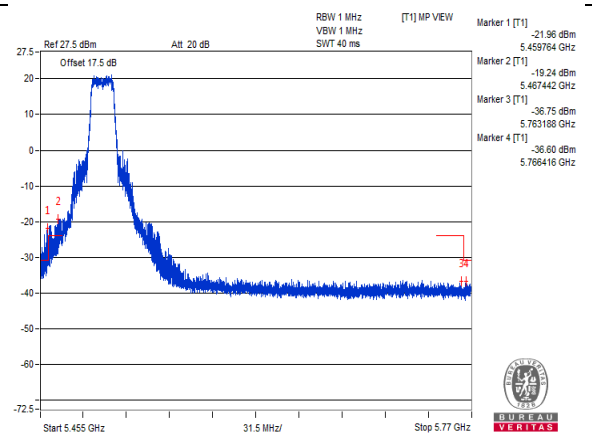
Test Channel		CH 100 (5500MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	559.620	0.008279	0.083	Pass
	1000.0 to 5455.0	5451.658	0.346737	0.833	Pass
	5455.0 to 5460.0	5459.764	0.054744	0.833	Pass(1)
	5460.0 to 5470.0	5467.442	0.156470	4.167	Pass(2)
	5745.0 to 5765.0	5763.188	0.211349	4.167	Pass
	5765.0 to 5770.0	5766.416	0.218776	0.833	Pass
	5770.0 to 26000.0	25797.700	0.651628	0.833	Pass
Test Channel		**CH 120 (5600MHz)**			
V_{normal}	30.0 to 1000.0	364.892	0.009141	0.083	Pass
	1000.0 to 5455.0	5347.523	0.072611	0.833	Pass
	5455.0 to 5460.0	5456.811	0.180302	0.833	Pass
	5460.0 to 5470.0	5467.285	0.178649	4.167	Pass
	5745.0 to 5765.0	5757.321	0.212324	4.167	Pass
	5765.0 to 5770.0	5767.243	0.210378	0.833	Pass
	5770.0 to 26000.0	25668.733	0.662217	0.833	Pass
Test Channel		**CH 140 (5700MHz)**			
V_{normal}	30.0 to 1000.0	585.325	0.008790	0.083	Pass
	1000.0 to 5455.0	5452.772	0.048529	0.833	Pass
	5455.0 to 5460.0	5459.606	0.150661	0.833	Pass
	5460.0 to 5470.0	5466.103	0.180302	4.167	Pass
	5745.0 to 5765.0	5751.257	1.823896	4.167	Pass
	5765.0 to 5770.0	5767.283	0.521195	0.833	Pass
	5770.0 to 26000.0	25825.516	0.774462	0.833	Pass

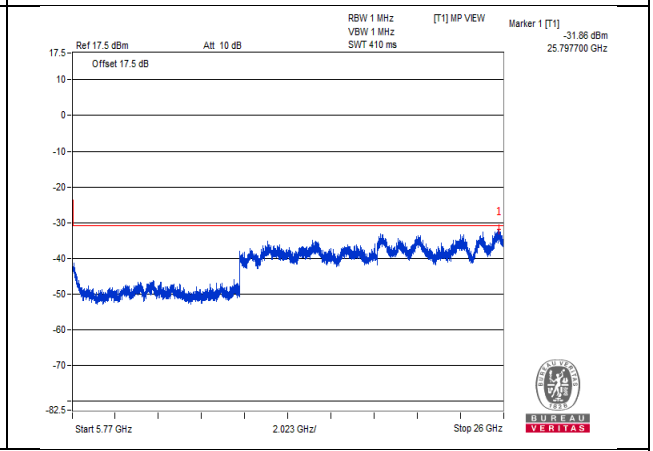
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



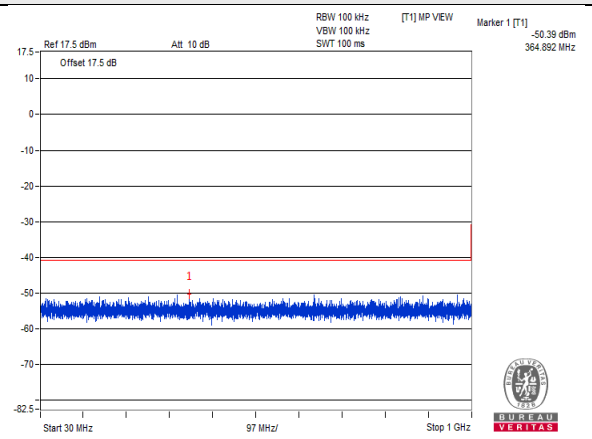


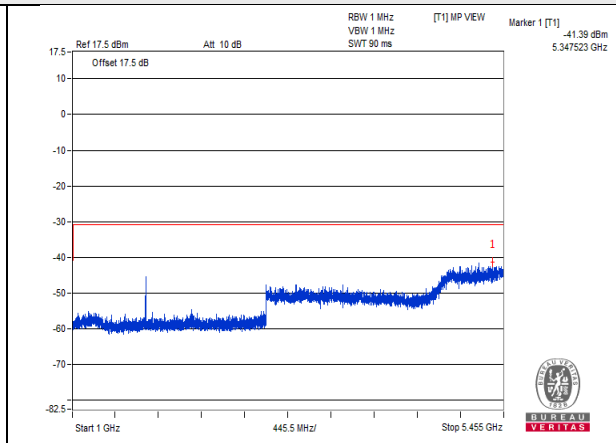


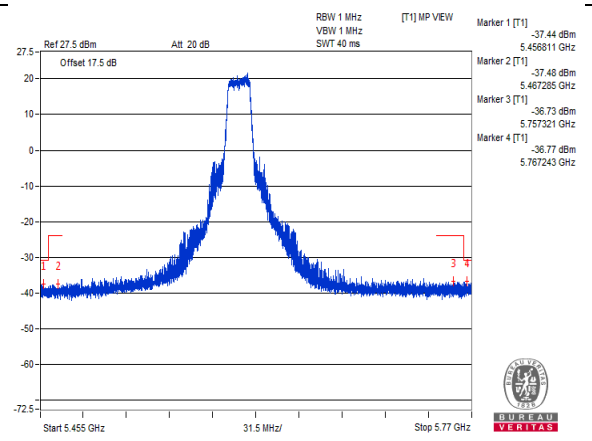


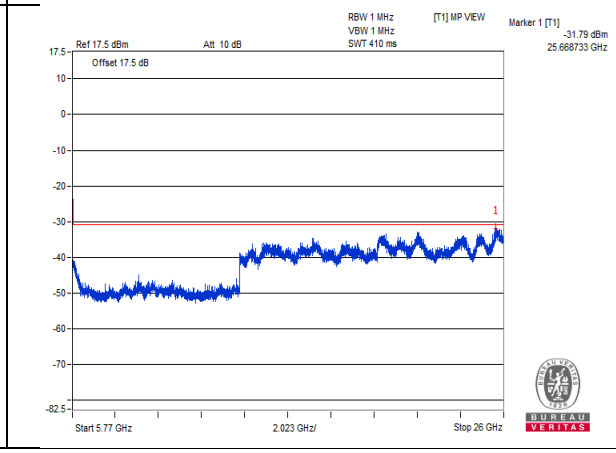
CH 100 (5500MHz)

Vnormal



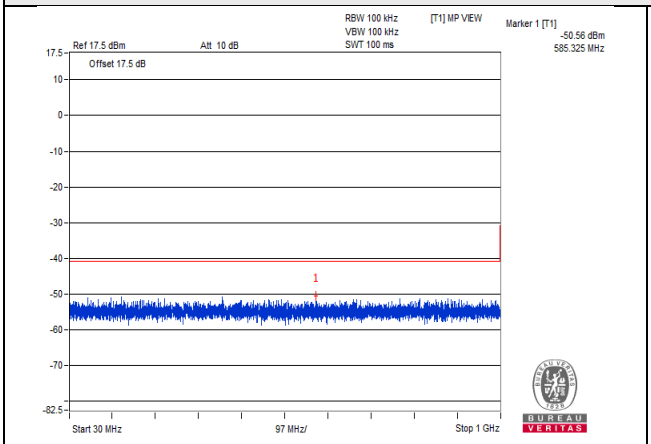


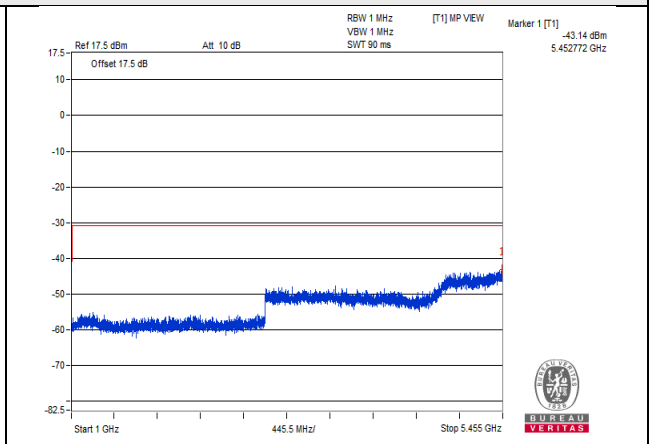


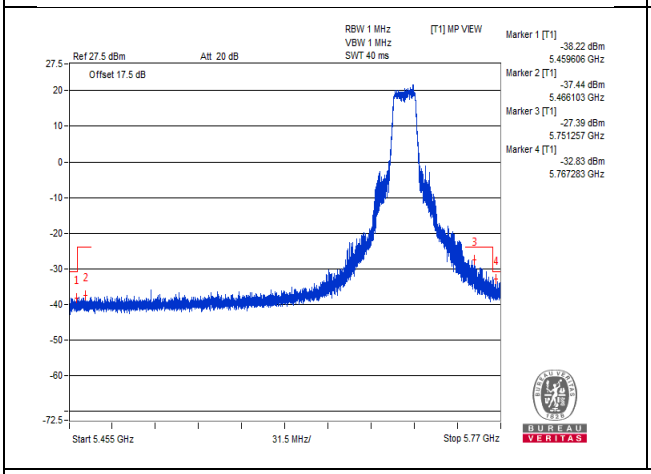


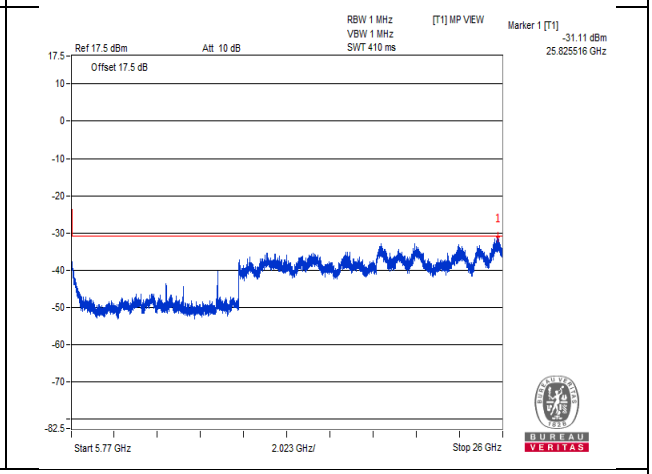
CH 120 (5600MHz)

Vnormal



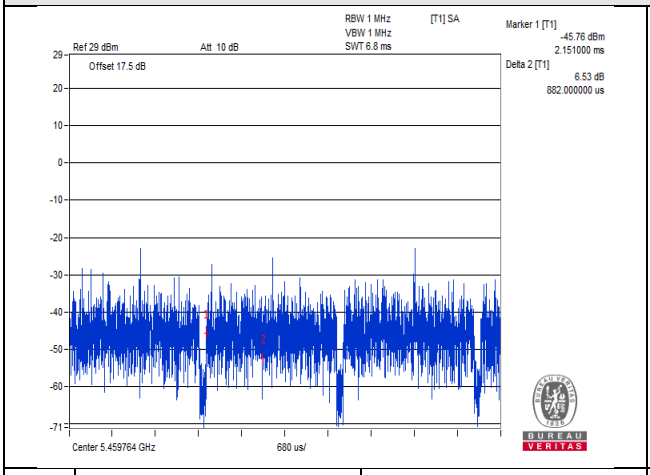


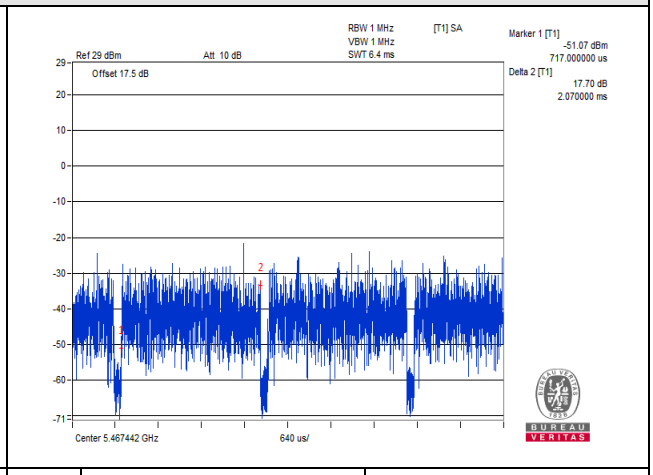




CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





1	5459.764MHz	P = 0.054744uW	2	5467.442MHz	P = 0.15647uW

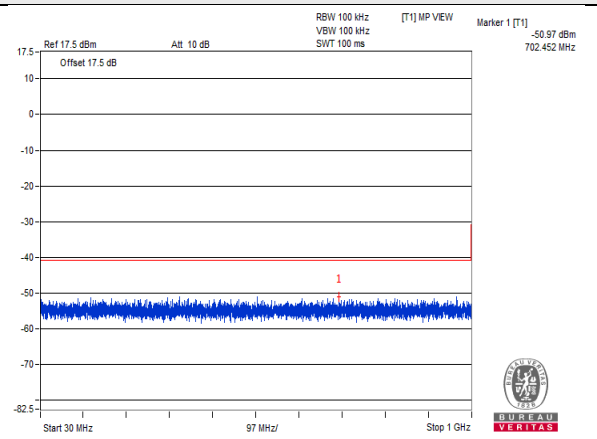
Chain 1

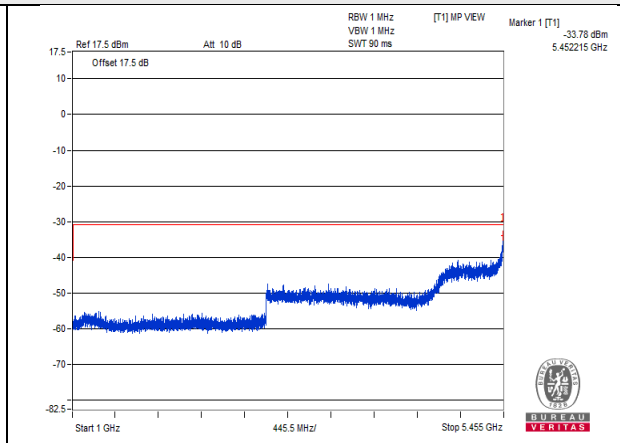
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	702.452	0.007998	0.083	Pass
	1000.0 to 5455.0	5452.215	0.418794	0.833	Pass
	5455.0 to 5460.0	5457.874	0.051531	0.833	Pass(1)
	5460.0 to 5470.0	5469.253	0.169489	4.167	Pass(2)
	5745.0 to 5765.0	5752.990	0.239332	4.167	Pass
	5765.0 to 5770.0	5766.850	0.198609	0.833	Pass
	5770.0 to 26000.0	25694.021	0.727780	0.833	Pass
Test Channel		CH 120 (5600MHz)			
V_{normal}	30.0 to 1000.0	659.166	0.010304	0.083	Pass
	1000.0 to 5455.0	5418.246	0.079799	0.833	Pass
	5455.0 to 5460.0	5455.748	0.194984	0.833	Pass
	5460.0 to 5470.0	5468.387	0.196789	4.167	Pass
	5745.0 to 5765.0	5746.808	0.235505	4.167	Pass
	5765.0 to 5770.0	5765.826	0.240436	0.833	Pass
	5770.0 to 26000.0	25833.102	0.724436	0.833	Pass
Test Channel		CH 140 (5700MHz)			
V_{normal}	30.0 to 1000.0	883.236	0.010351	0.083	Pass
	1000.0 to 5455.0	5378.151	0.053827	0.833	Pass
	5455.0 to 5460.0	5457.323	0.153109	0.833	Pass
	5460.0 to 5470.0	5463.190	0.198153	4.167	Pass
	5745.0 to 5765.0	5746.099	2.213095	4.167	Pass
	5765.0 to 5770.0	5765.000	0.463447	0.833	Pass
	5770.0 to 26000.0	25737.010	0.653131	0.833	Pass

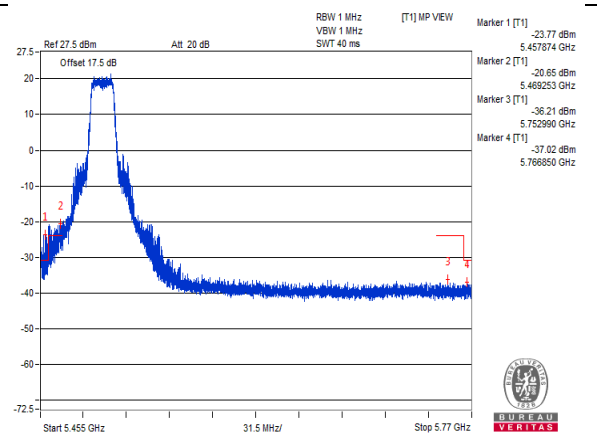
Note: 1. The spectrum plots are attached on the following pages.

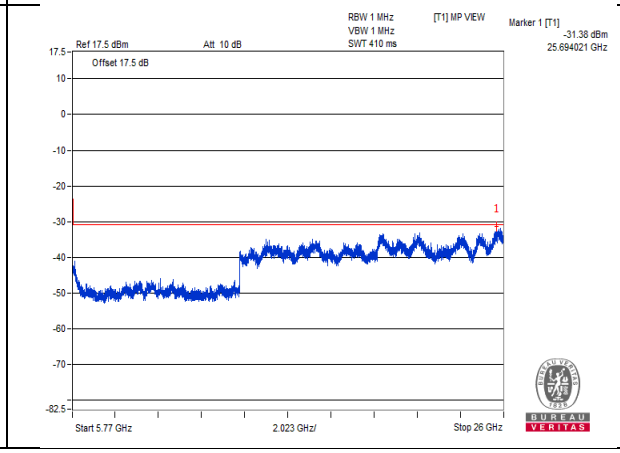
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



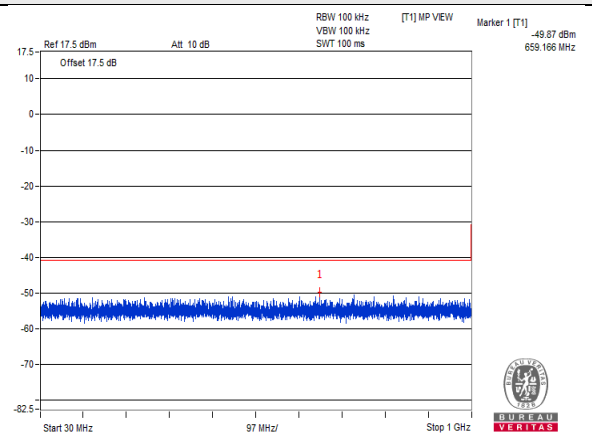


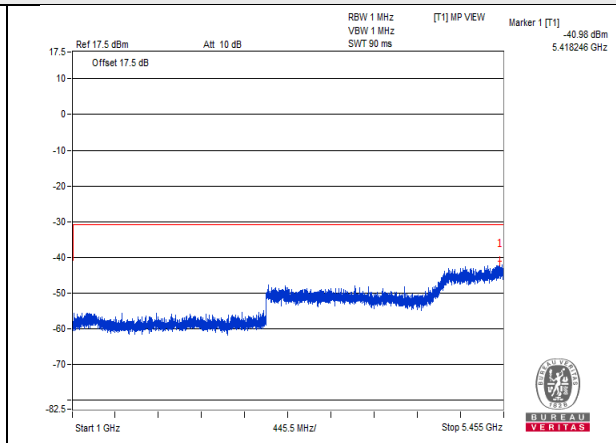


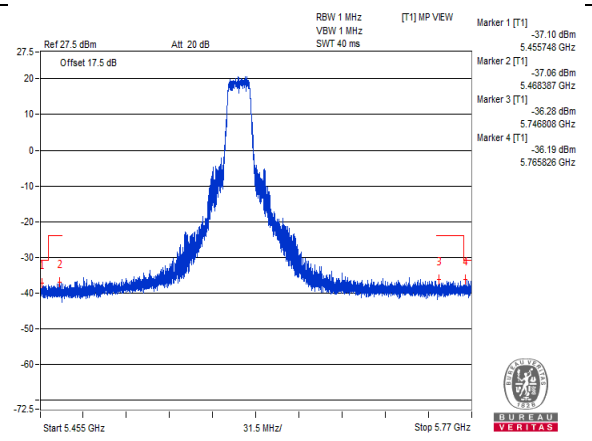


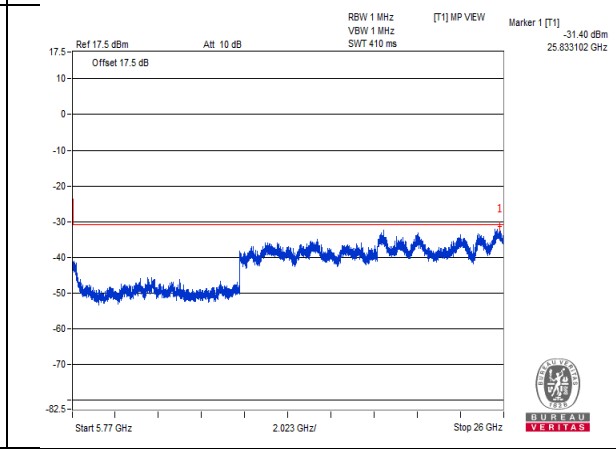
CH 100 (5500MHz)

Vnormal



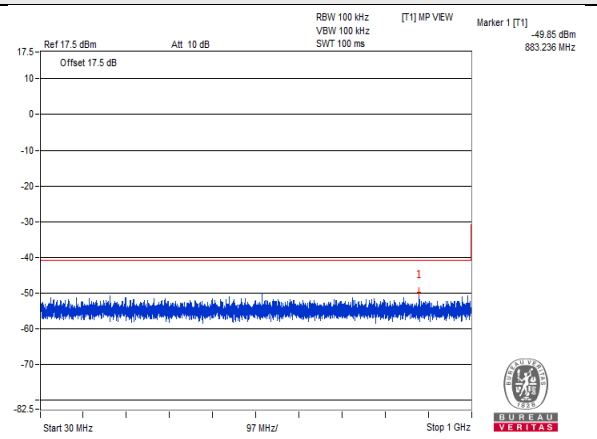


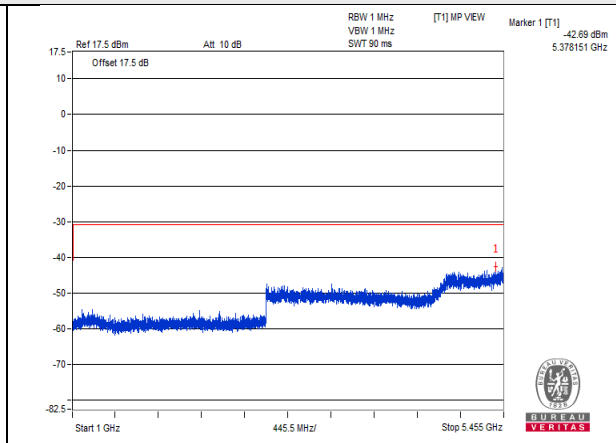


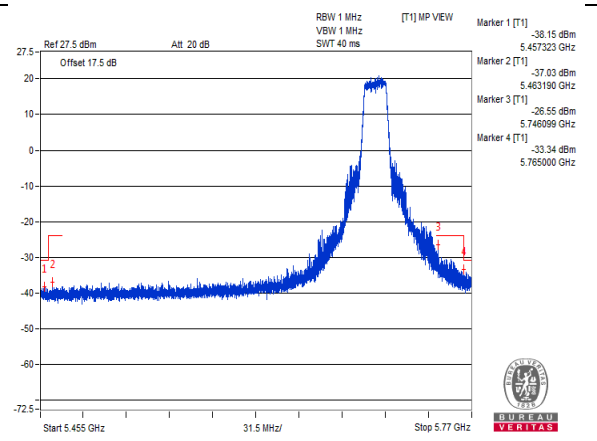


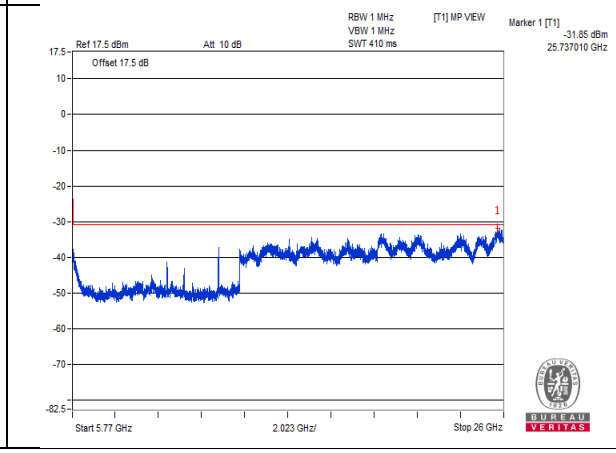
CH 120 (5600MHz)

Vnormal



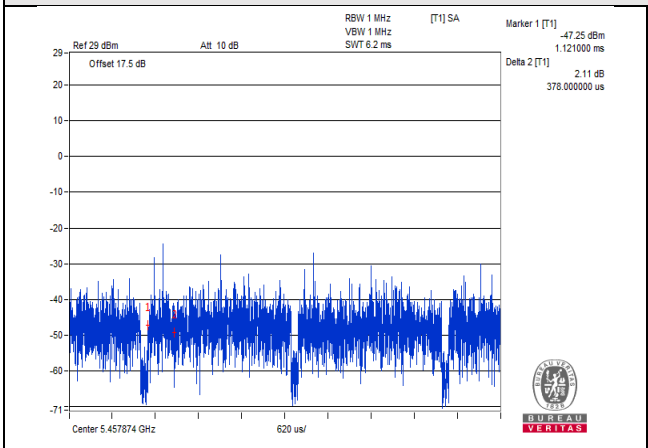


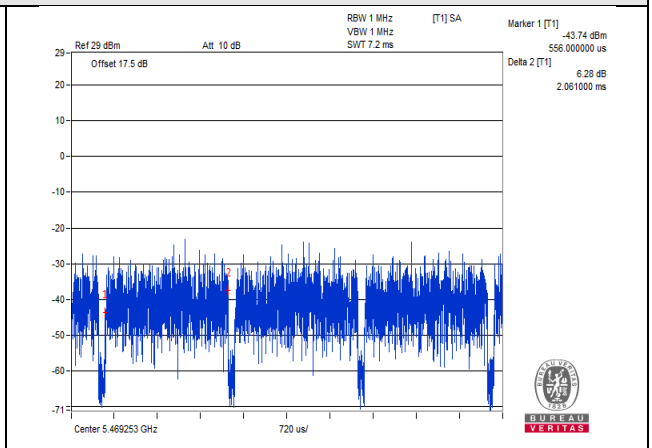




CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





1	5457.874MHz	P = 0.051531uW	2	5469.253MHz	P = 0.169489uW

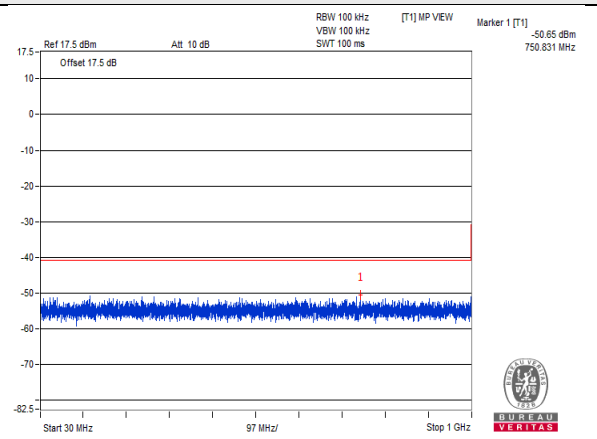
Chain 2

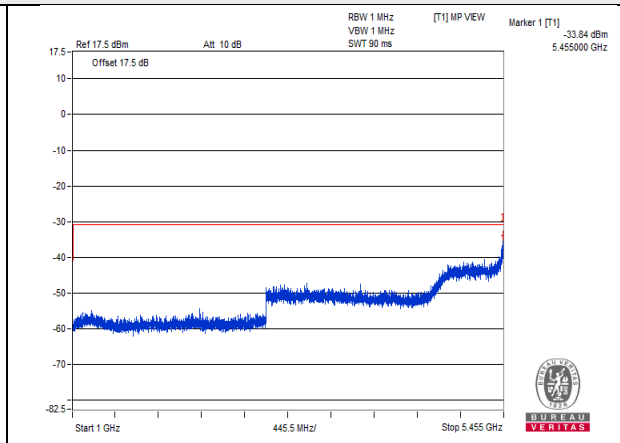
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	750.831	0.008610	0.083	Pass
	1000.0 to 5455.0	5455.000	0.413048	0.833	Pass
	5455.0 to 5460.0	5460.000	0.058705	0.833	Pass(1)
	5460.0 to 5470.0	5469.017	0.231377	4.167	Pass(2)
	5745.0 to 5765.0	5763.936	0.197242	4.167	Pass
	5765.0 to 5770.0	5768.700	0.197242	0.833	Pass
	5770.0 to 26000.0	25871.033	0.739605	0.833	Pass
Test Channel		CH 120 (5600MHz)			
V_{normal}	30.0 to 1000.0	175.742	0.009247	0.083	Pass
	1000.0 to 5455.0	5424.928	0.074131	0.833	Pass
	5455.0 to 5460.0	5458.031	0.216770	0.833	Pass
	5460.0 to 5470.0	5464.292	0.197242	4.167	Pass
	5745.0 to 5765.0	5760.156	0.222844	4.167	Pass
	5765.0 to 5770.0	5767.243	0.184077	0.833	Pass
	5770.0 to 26000.0	25683.906	0.618016	0.833	Pass
Test Channel		CH 140 (5700MHz)			
V_{normal}	30.0 to 1000.0	393.992	0.008810	0.083	Pass
	1000.0 to 5455.0	5417.132	0.052481	0.833	Pass
	5455.0 to 5460.0	5458.228	0.155597	0.833	Pass
	5460.0 to 5470.0	5467.993	0.163305	4.167	Pass
	5745.0 to 5765.0	5745.508	1.725838	4.167	Pass
	5765.0 to 5770.0	5765.156	0.385478	0.833	Pass
	5770.0 to 26000.0	25800.228	0.736207	0.833	Pass

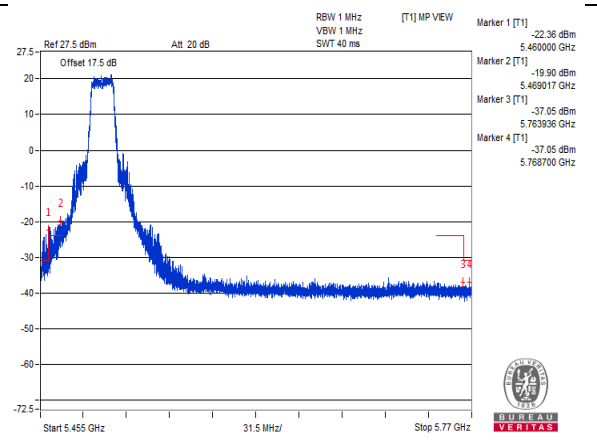
Note: 1. The spectrum plots are attached on the following pages.

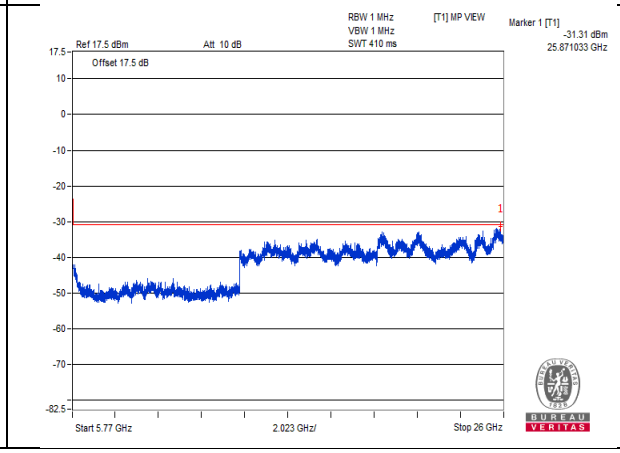
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



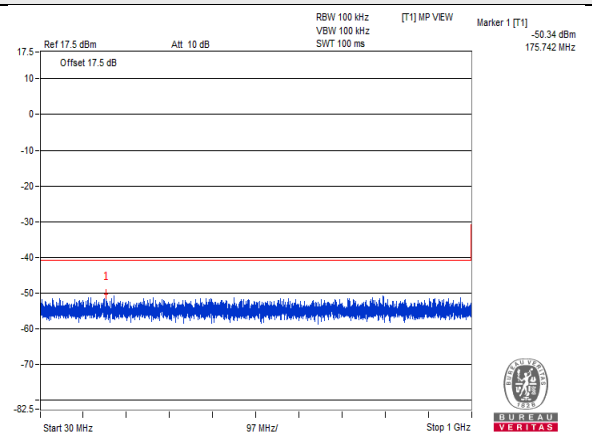


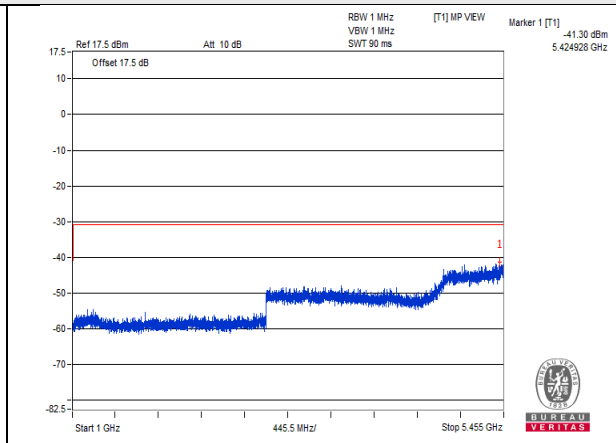


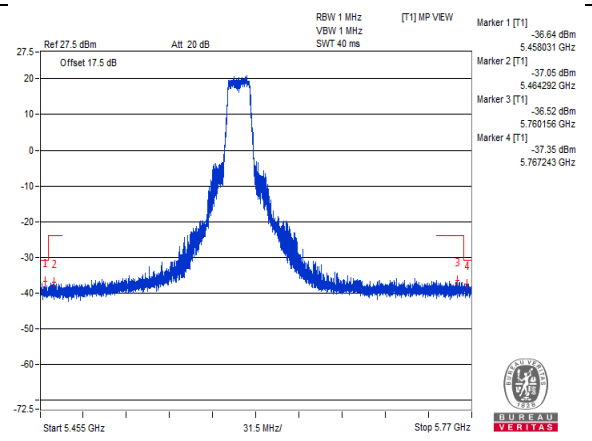


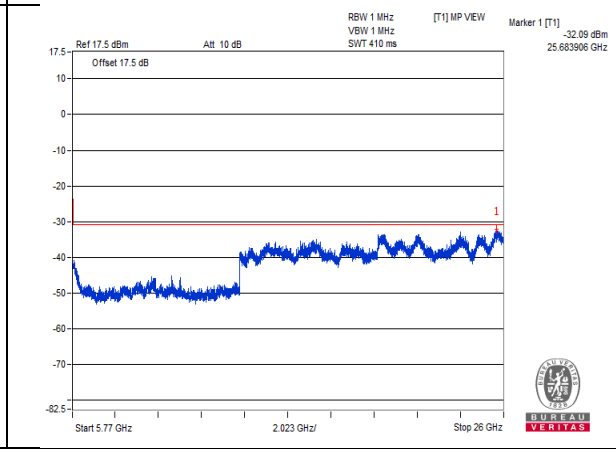
CH 100 (5500MHz)

Vnormal



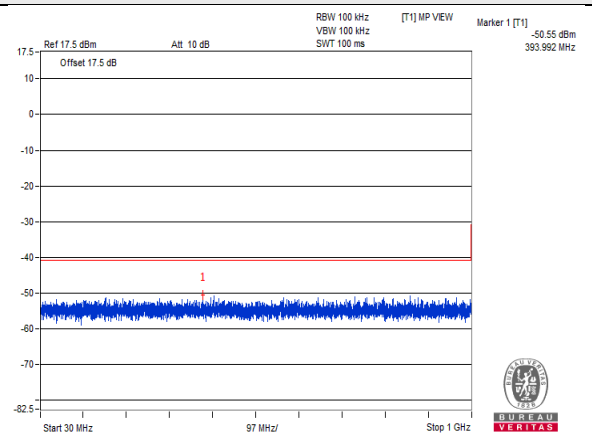


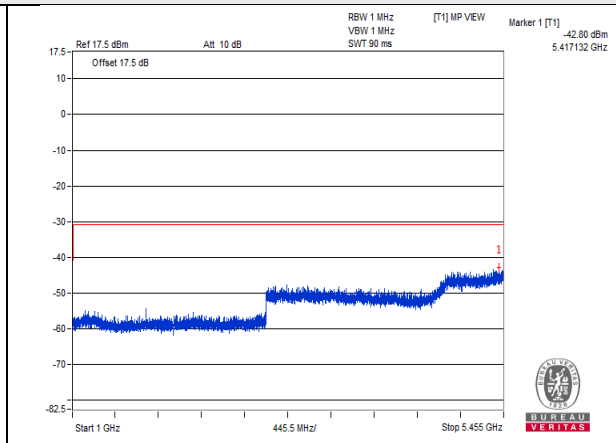


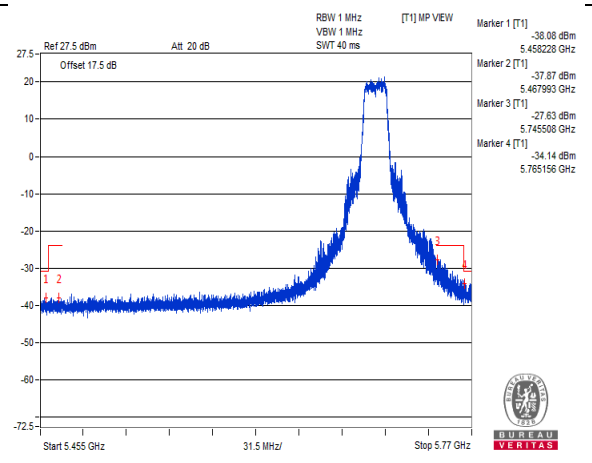


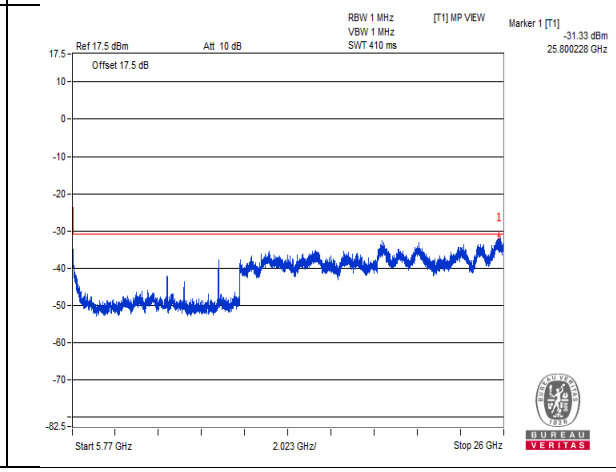
CH 120 (5600MHz)

Vnormal



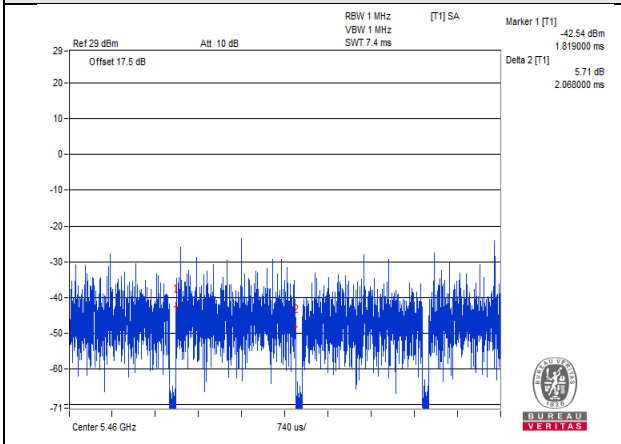


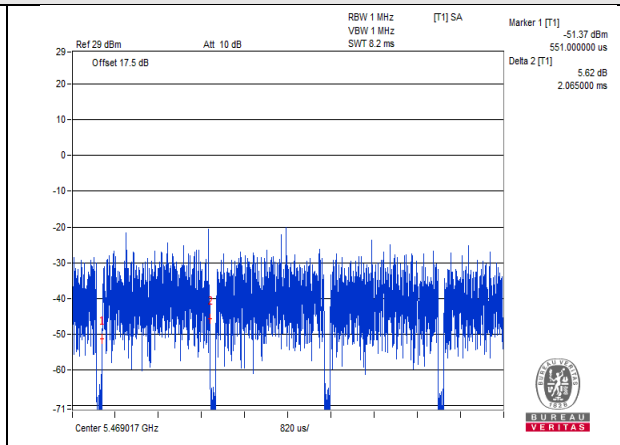




CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





1	5460.000MHz	P = 0.058705uW	2	5469.017MHz	P = 0.231377uW

[Worst result] x [Number of antenna ports]

Test Channel		CH 100 (5500MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.025830	0.249	Pass
	1000.0 to 5455.0	1.256382	2.499	Pass
	5455.0 to 5460.0	0.176115	2.499	Pass
	5460.0 to 5470.0	0.694131	12.501	Pass
	5745.0 to 5765.0	0.717996	12.501	Pass
	5765.0 to 5770.0	0.656328	2.499	Pass
	5770.0 to 26000.0	2.218815	2.499	Pass
Test Channel		**CH 120 (5600MHz)**		
V_{normal}	30.0 to 1000.0	0.030912	0.249	Pass
	1000.0 to 5455.0	0.239397	2.499	Pass
	5455.0 to 5460.0	0.650310	2.499	Pass
	5460.0 to 5470.0	0.591726	12.501	Pass
	5745.0 to 5765.0	0.706515	12.501	Pass
	5765.0 to 5770.0	0.721308	2.499	Pass
	5770.0 to 26000.0	2.173308	2.499	Pass
Test Channel		**CH 140 (5700MHz)**		
V_{normal}	30.0 to 1000.0	0.031053	0.249	Pass
	1000.0 to 5455.0	0.161481	2.499	Pass
	5455.0 to 5460.0	0.466791	2.499	Pass
	5460.0 to 5470.0	0.594459	12.501	Pass
	5745.0 to 5765.0	6.639285	12.501	Pass
	5765.0 to 5770.0	1.563585	2.499	Pass
	5770.0 to 26000.0	2.323386	2.499	Pass

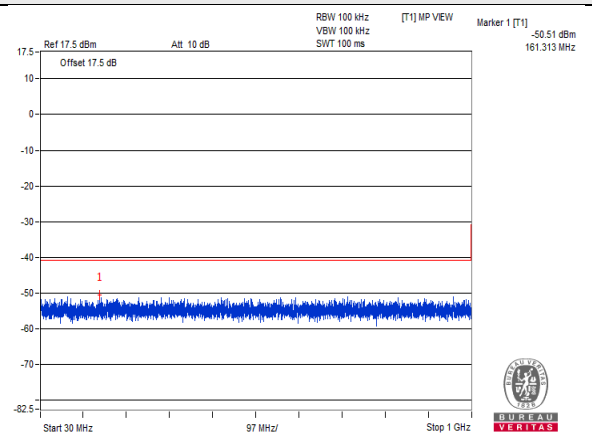
Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

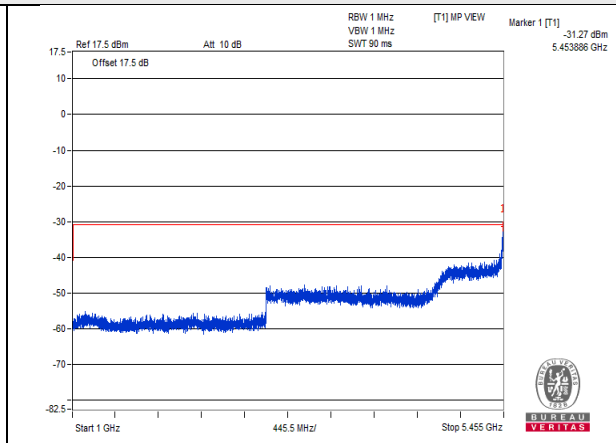
W56 Band:
802.11ac (VHT20)
Chain 0

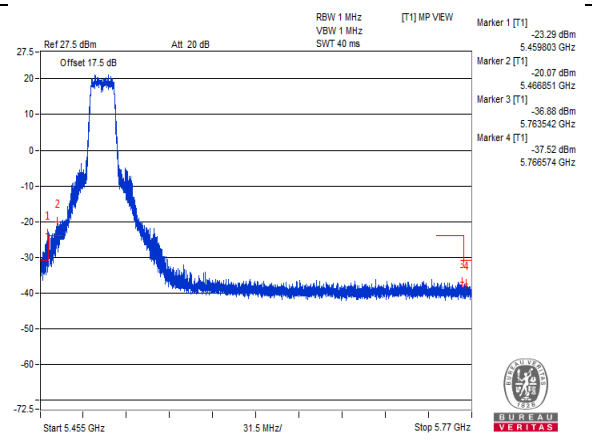
Test Channel		CH 100 (5500MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	161.313	0.008892	0.083	Pass
	1000.0 to 5455.0	5453.886	0.746449	0.833	Pass
	5455.0 to 5460.0	5459.803	0.047719	0.833	Pass(1)
	5460.0 to 5470.0	5466.851	0.140814	4.167	Pass(2)
	5745.0 to 5765.0	5763.542	0.205116	4.167	Pass
	5765.0 to 5770.0	5766.574	0.177011	0.833	Pass
	5770.0 to 26000.0	25863.447	0.758578	0.833	Pass
Test Channel		**CH 120 (5600MHz)**			
V_{normal}	30.0 to 1000.0	715.183	0.008851	0.083	Pass
	1000.0 to 5455.0	5408.779	0.071121	0.833	Pass
	5455.0 to 5460.0	5457.205	0.204174	0.833	Pass
	5460.0 to 5470.0	5469.647	0.196336	4.167	Pass
	5745.0 to 5765.0	5764.645	0.233346	4.167	Pass
	5765.0 to 5770.0	5769.488	0.229615	0.833	Pass
	5770.0 to 26000.0	25764.826	0.644169	0.833	Pass
Test Channel		**CH 140 (5700MHz)**			
V_{normal}	30.0 to 1000.0	745.617	0.009162	0.083	Pass
	1000.0 to 5455.0	5446.646	0.050933	0.833	Pass
	5455.0 to 5460.0	5455.118	0.174181	0.833	Pass
	5460.0 to 5470.0	5466.536	0.166725	4.167	Pass
	5745.0 to 5765.0	5745.626	3.228494	4.167	Pass
	5765.0 to 5770.0	5765.353	0.445656	0.833	Pass
	5770.0 to 26000.0	25817.930	0.690240	0.833	Pass

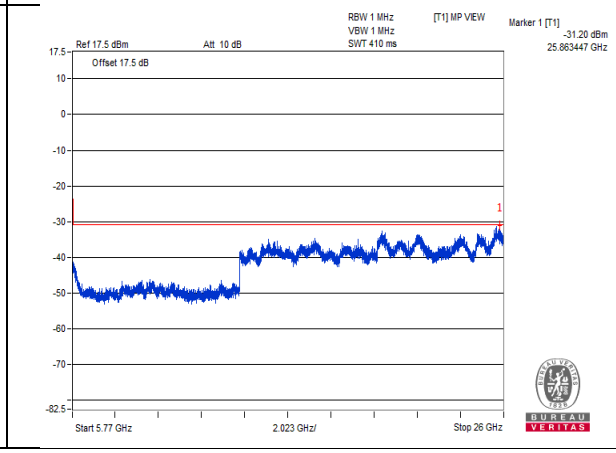
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



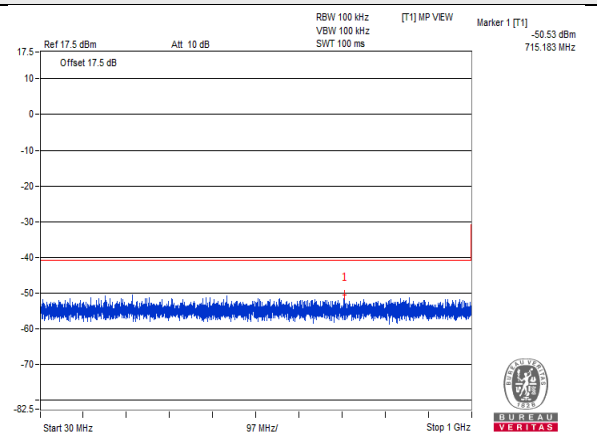


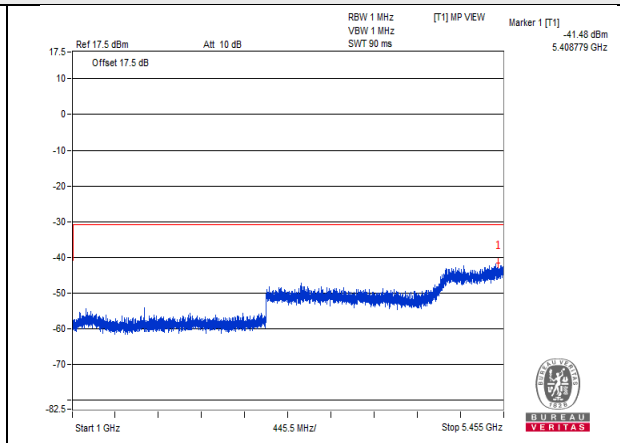


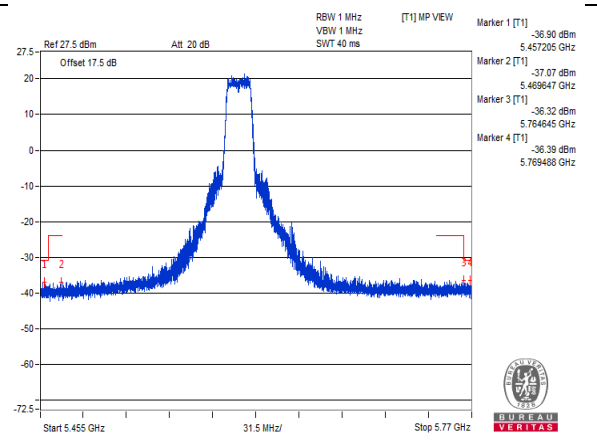


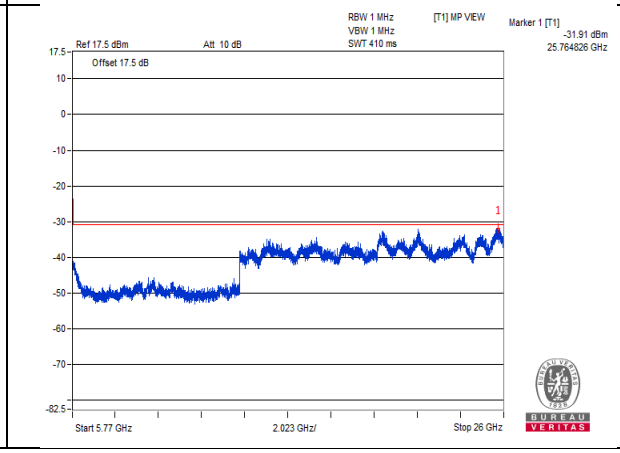
CH 100 (5500MHz)

Vnormal



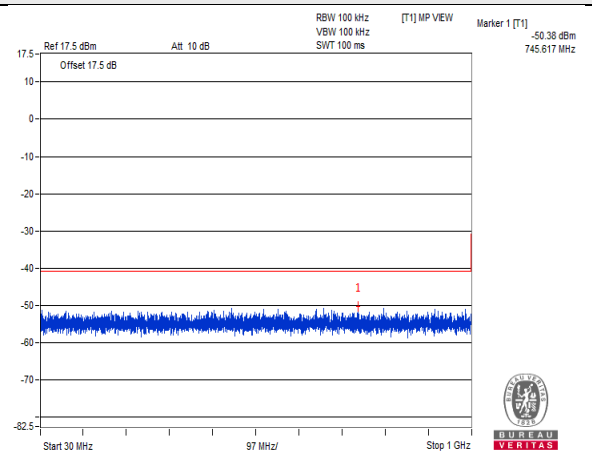


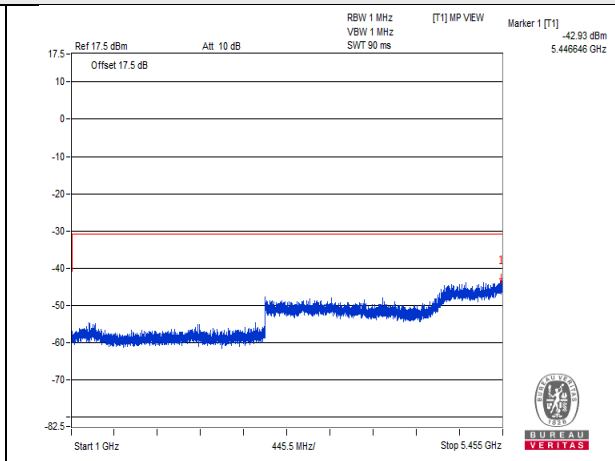


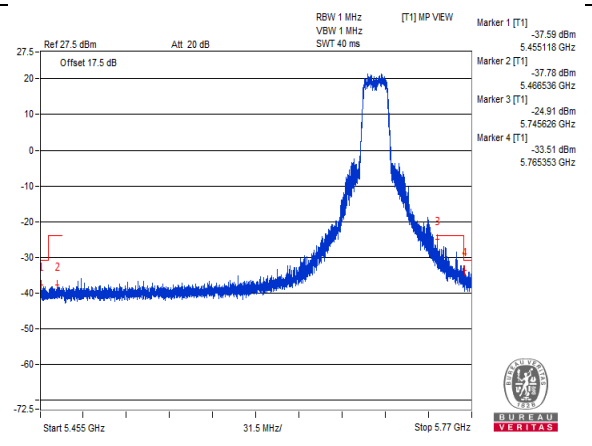


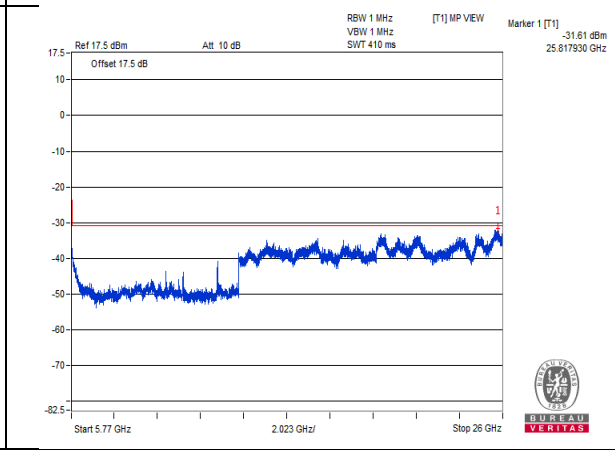
CH 120 (5600MHz)

Vnormal



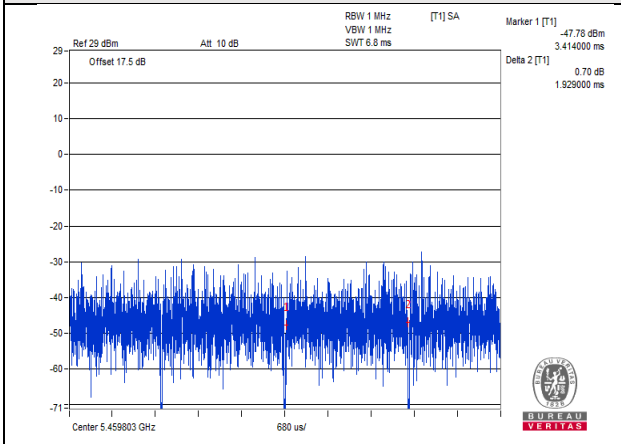


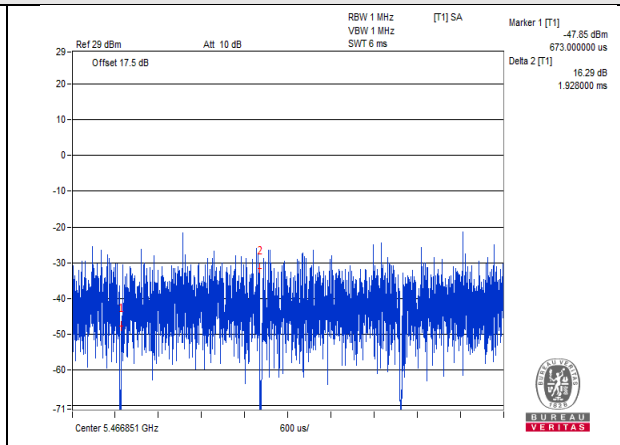




CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





1	5459.803MHz	P = 0.047719uW	2	5466.851MHz	P = 0.140814uW

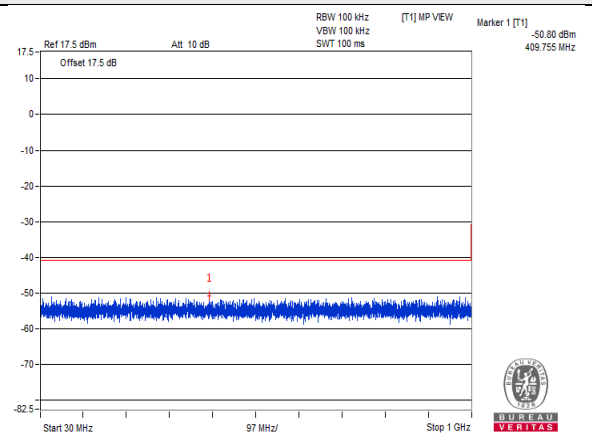
Chain 1

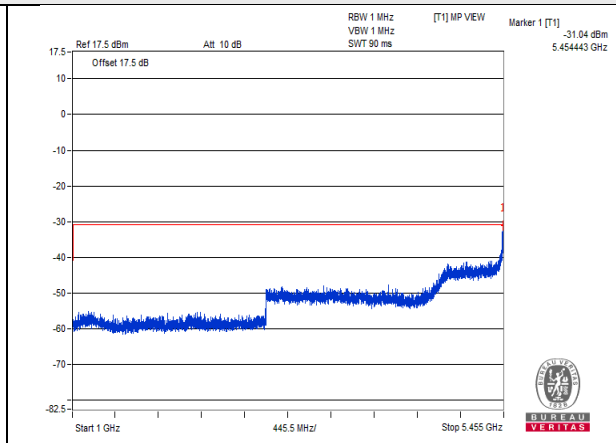
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	409.755	0.008318	0.083	Pass
	1000.0 to 5455.0	5454.443	0.787046	0.833	Pass
	5455.0 to 5460.0	5459.291	0.051962	0.833	Pass(1)
	5460.0 to 5470.0	5468.545	0.249300	4.167	Pass(2)
	5745.0 to 5765.0	5745.430	0.220800	4.167	Pass
	5765.0 to 5770.0	5767.086	0.193642	0.833	Pass
	5770.0 to 26000.0	25863.447	0.601174	0.833	Pass
Test Channel		CH 120 (5600MHz)			
V_{normal}	30.0 to 1000.0	38.487	0.010257	0.083	Pass
	1000.0 to 5455.0	5388.175	0.065766	0.833	Pass
	5455.0 to 5460.0	5456.575	0.231739	0.833	Pass
	5460.0 to 5470.0	5460.315	0.195434	4.167	Pass
	5745.0 to 5765.0	5760.943	0.242661	4.167	Pass
	5765.0 to 5770.0	5767.125	0.186638	0.833	Pass
	5770.0 to 26000.0	25779.998	0.666807	0.833	Pass
Test Channel		CH 140 (5700MHz)			
V_{normal}	30.0 to 1000.0	556.952	0.009419	0.083	Pass
	1000.0 to 5455.0	5453.329	0.052481	0.833	Pass
	5455.0 to 5460.0	5458.701	0.153462	0.833	Pass
	5460.0 to 5470.0	5461.851	0.177011	4.167	Pass
	5745.0 to 5765.0	5746.493	2.387811	4.167	Pass
	5765.0 to 5770.0	5765.471	0.535797	0.833	Pass
	5770.0 to 26000.0	25737.010	0.703072	0.833	Pass

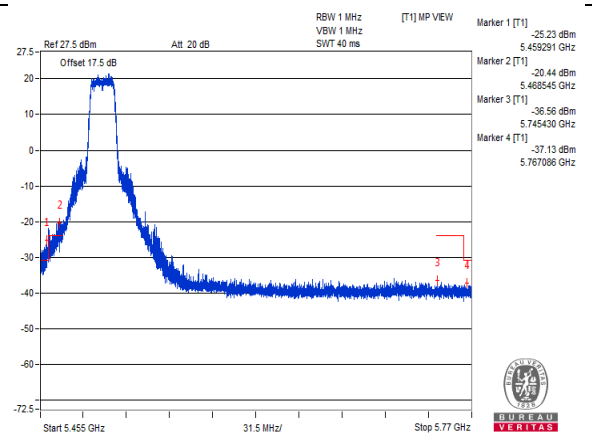
Note: 1. The spectrum plots are attached on the following pages.

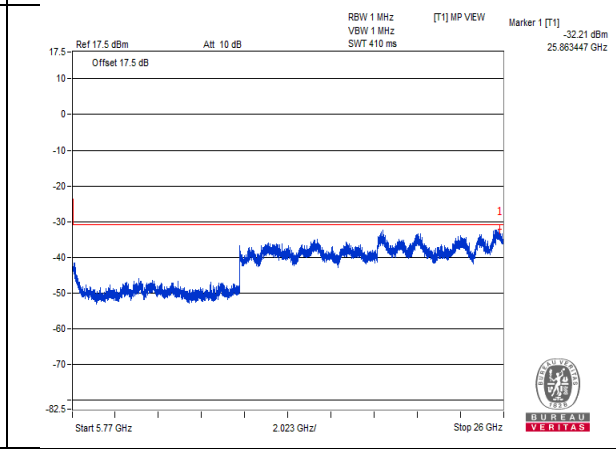
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



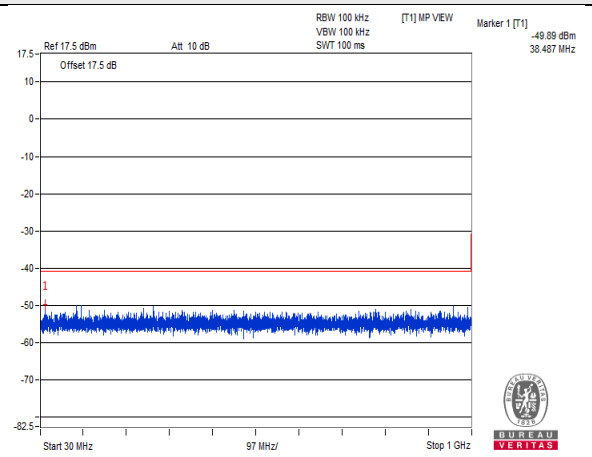


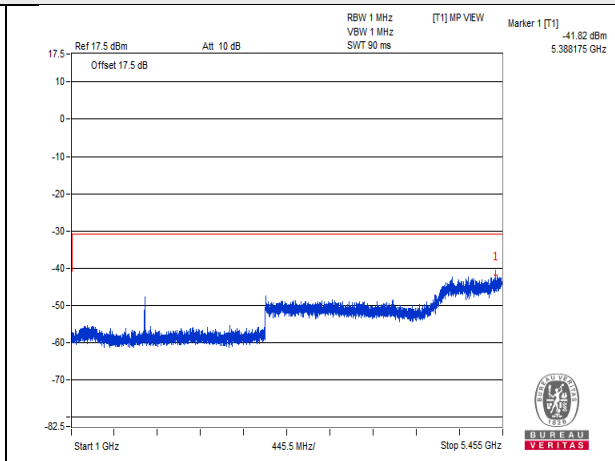


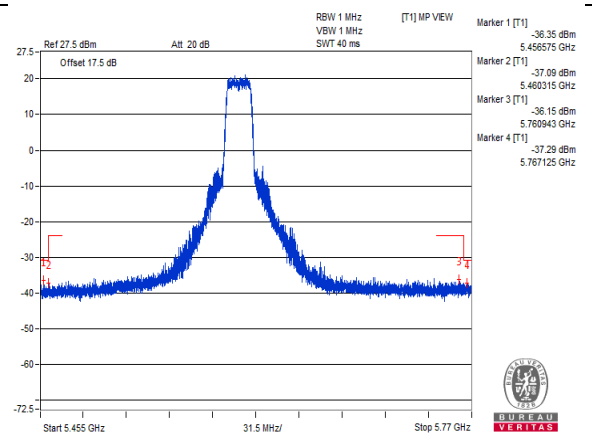


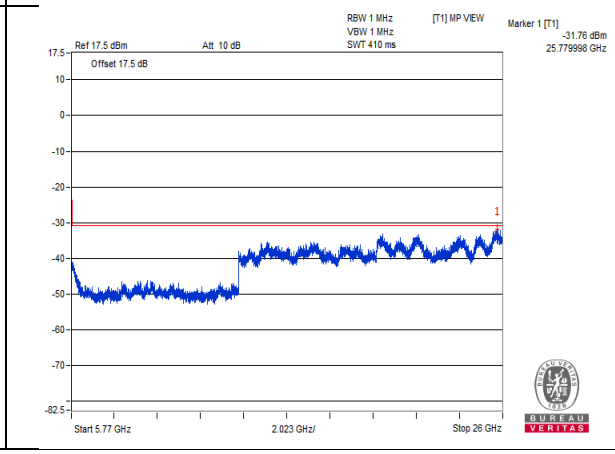
CH 100 (5500MHz)

Vnormal



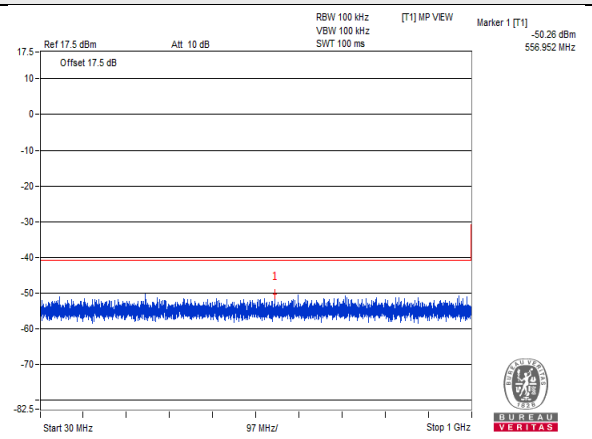


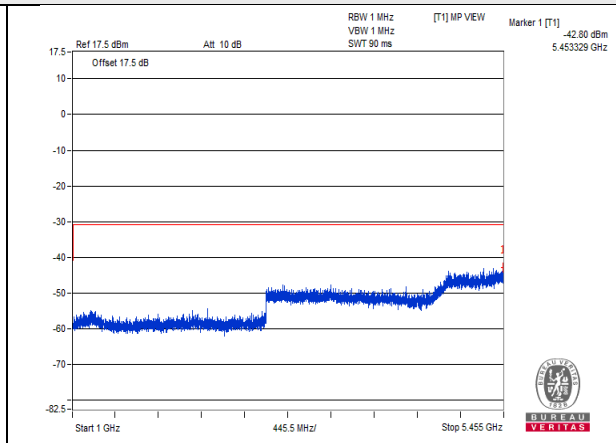


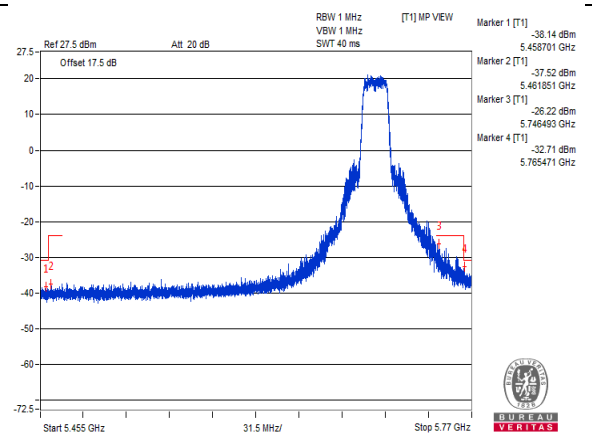


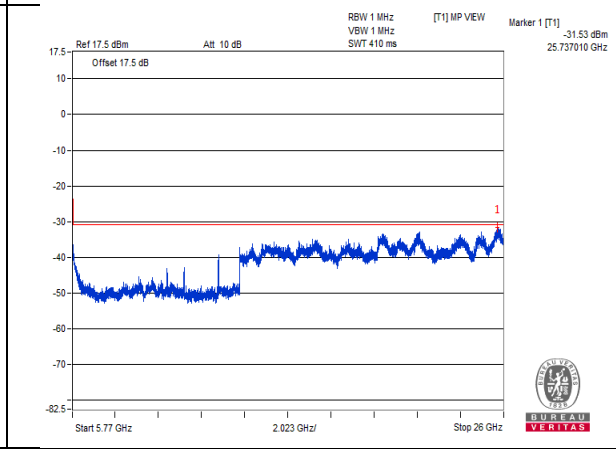
CH 120 (5600MHz)

Vnormal



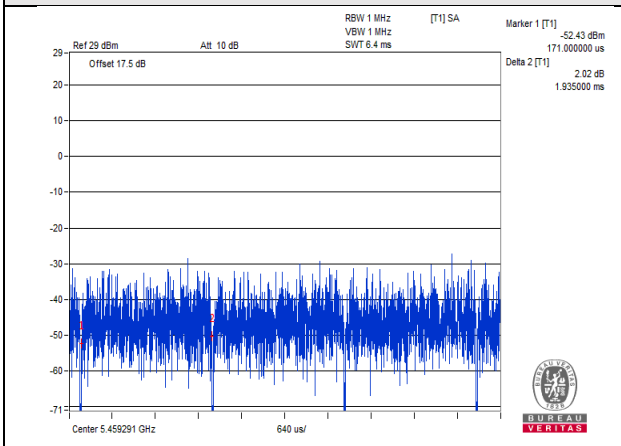




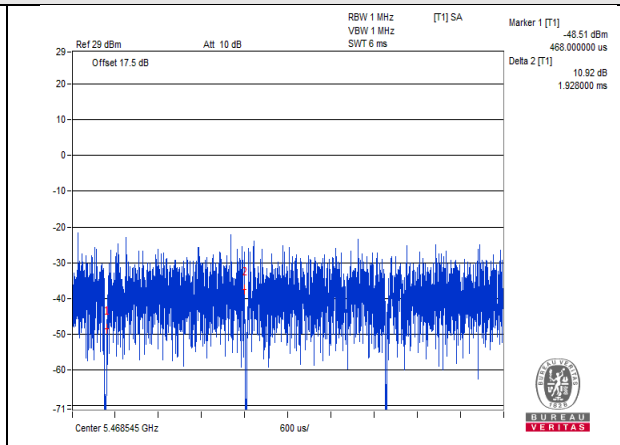


CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal



1	5459.291MHz	P = 0.051962uW	2	5468.545MHz	P = 0.2493uW



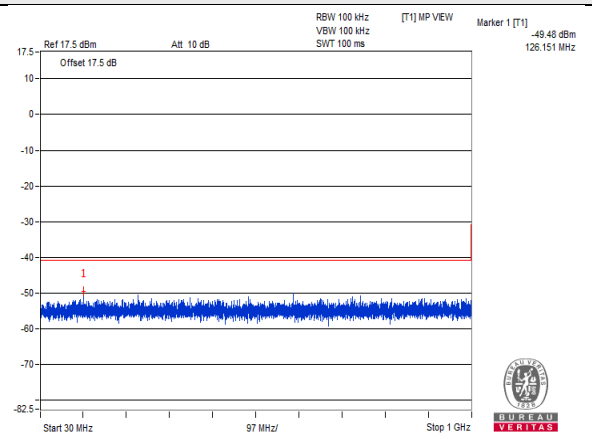
Chain 2

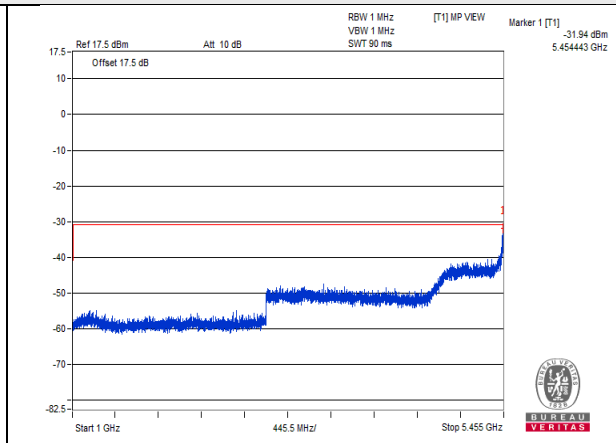
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	126.151	0.011272	0.083	Pass
	1000.0 to 5455.0	5454.443	0.639735	0.833	Pass
	5455.0 to 5460.0	5459.921	0.065845	0.833	Pass(1)
	5460.0 to 5470.0	5468.190	0.230107	4.167	Pass(2)
	5745.0 to 5765.0	5759.093	0.209411	4.167	Pass
	5765.0 to 5770.0	5765.511	0.210863	0.833	Pass
	5770.0 to 26000.0	25749.653	0.712853	0.833	Pass
Test Channel		CH 120 (5600MHz)			
V_{normal}	30.0 to 1000.0	709.485	0.010069	0.083	Pass
	1000.0 to 5455.0	5452.215	0.059156	0.833	Pass
	5455.0 to 5460.0	5455.669	0.158489	0.833	Pass
	5460.0 to 5470.0	5467.009	0.166341	4.167	Pass
	5745.0 to 5765.0	5755.273	0.227510	4.167	Pass
	5765.0 to 5770.0	5769.173	0.187068	0.833	Pass
	5770.0 to 26000.0	25820.458	0.623735	0.833	Pass
Test Channel		CH 140 (5700MHz)			
V_{normal}	30.0 to 1000.0	859.107	0.009354	0.083	Pass
	1000.0 to 5455.0	5404.881	0.047643	0.833	Pass
	5455.0 to 5460.0	5457.480	0.155239	0.833	Pass
	5460.0 to 5470.0	5463.701	0.177419	4.167	Pass
	5745.0 to 5765.0	5745.587	1.972423	4.167	Pass
	5765.0 to 5770.0	5767.676	0.610942	0.833	Pass
	5770.0 to 26000.0	25853.332	0.790679	0.833	Pass

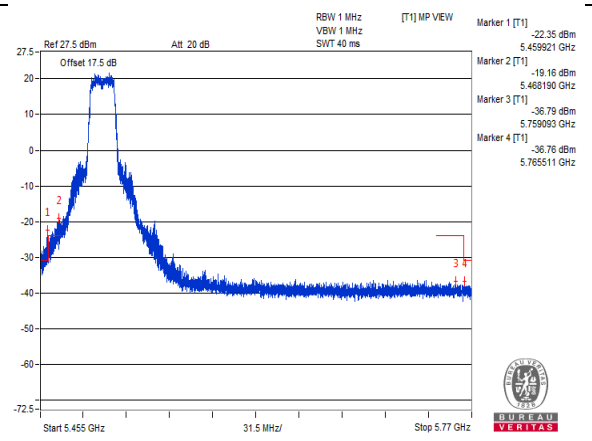
Note: 1. The spectrum plots are attached on the following pages.

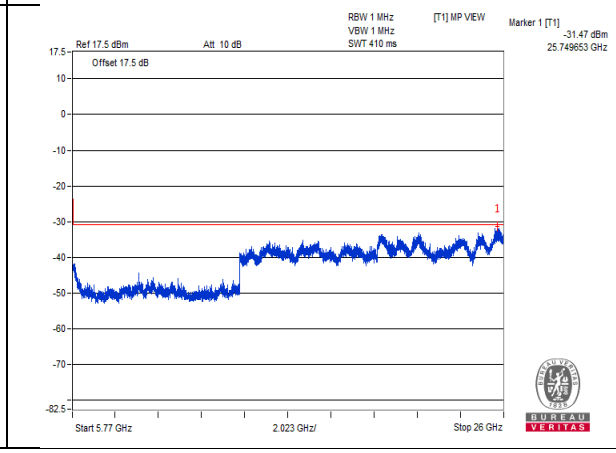
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



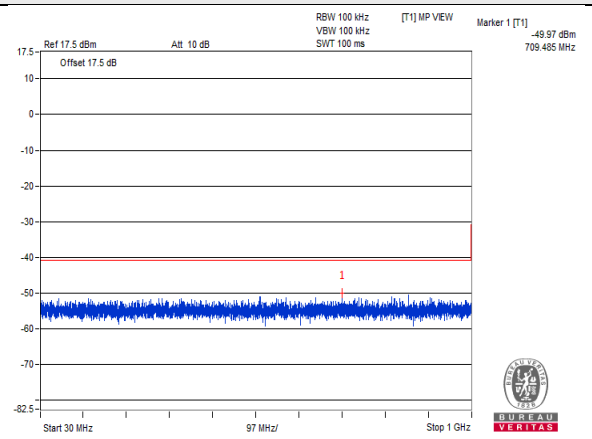


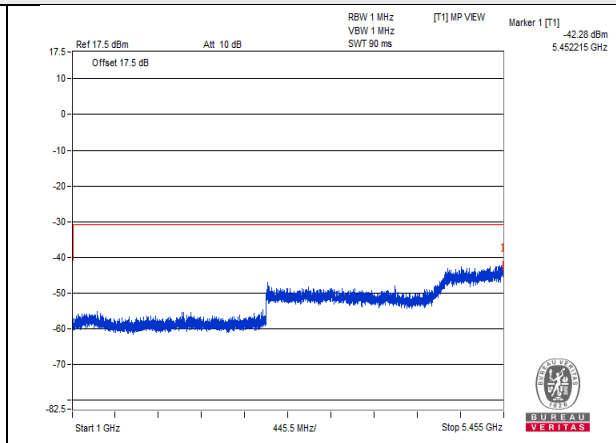


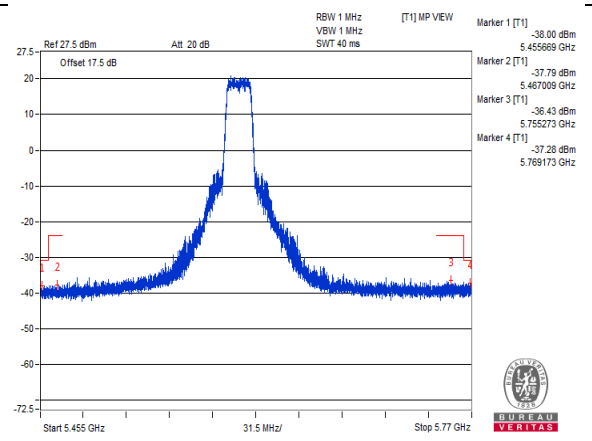


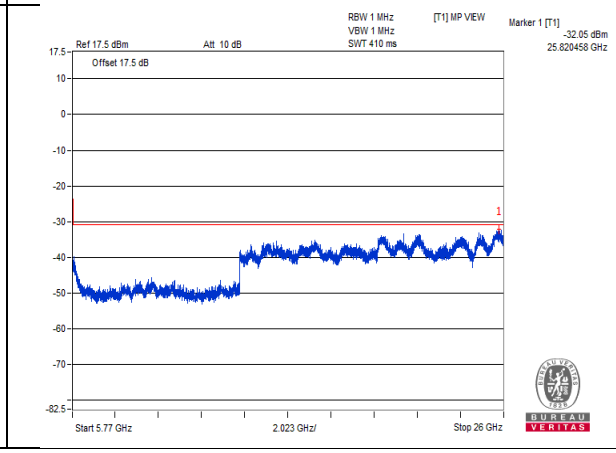
CH 100 (5500MHz)

Vnormal



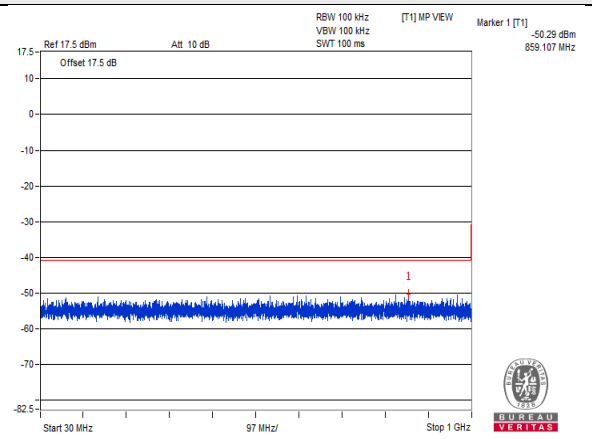


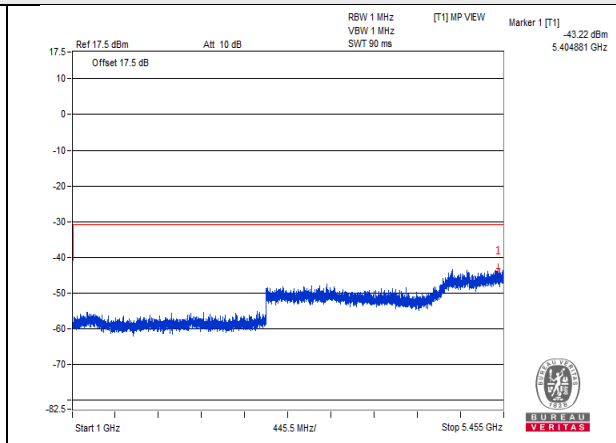


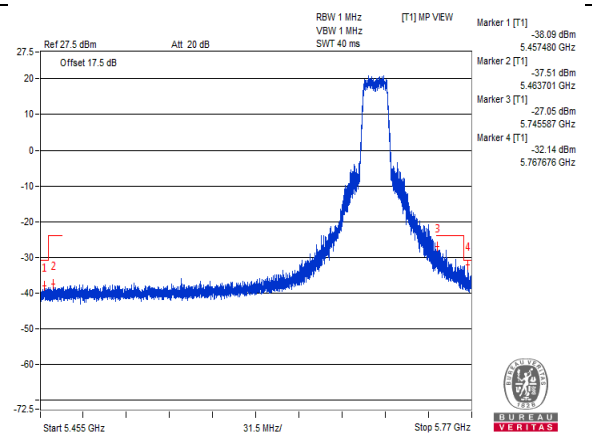


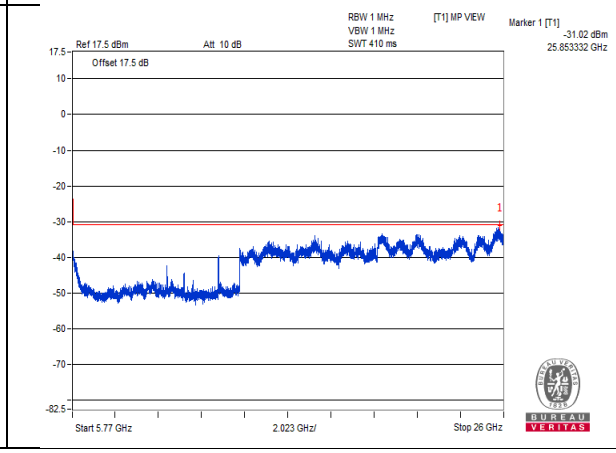
CH 120 (5600MHz)

Vnormal



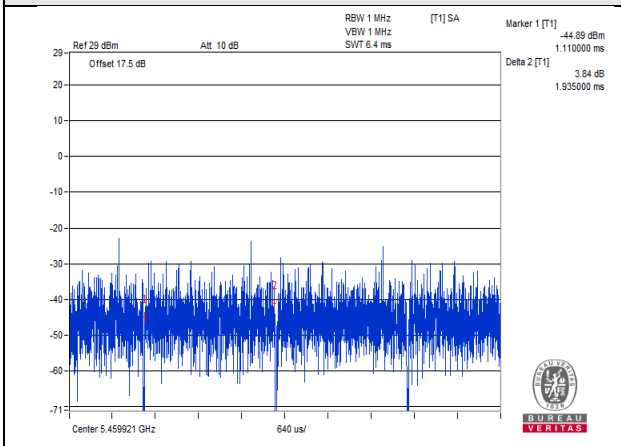




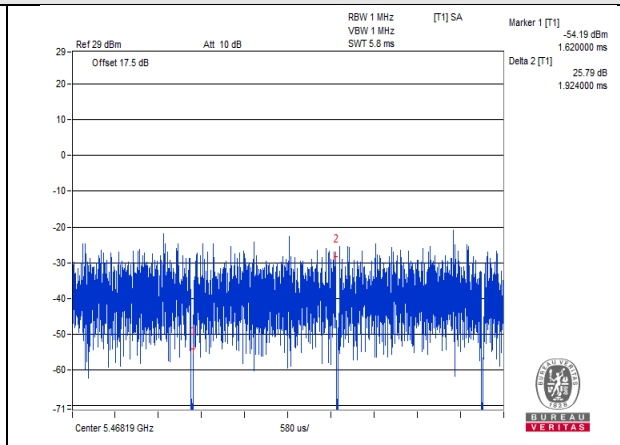


CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal



1	5459.921MHz	P = 0.065845uW



2	5468.190MHz	P = 0.230107uW

[Worst result] x [Number of antenna ports]

Test Channel		CH 100 (5500MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.033816	0.249	Pass
	1000.0 to 5455.0	2.361138	2.499	Pass
	5455.0 to 5460.0	0.197535	2.499	Pass
	5460.0 to 5470.0	0.747900	12.501	Pass
	5745.0 to 5765.0	0.662400	12.501	Pass
	5765.0 to 5770.0	0.632589	2.499	Pass
	5770.0 to 26000.0	2.275734	2.499	Pass
Test Channel		**CH 120 (5600MHz)**		
V_{normal}	30.0 to 1000.0	0.030771	0.249	Pass
	1000.0 to 5455.0	0.213363	2.499	Pass
	5455.0 to 5460.0	0.695217	2.499	Pass
	5460.0 to 5470.0	0.589008	12.501	Pass
	5745.0 to 5765.0	0.727983	12.501	Pass
	5765.0 to 5770.0	0.688845	2.499	Pass
	5770.0 to 26000.0	2.000421	2.499	Pass
Test Channel		**CH 140 (5700MHz)**		
V_{normal}	30.0 to 1000.0	0.028257	0.249	Pass
	1000.0 to 5455.0	0.157443	2.499	Pass
	5455.0 to 5460.0	0.522543	2.499	Pass
	5460.0 to 5470.0	0.532257	12.501	Pass
	5745.0 to 5765.0	9.685482	12.501	Pass
	5765.0 to 5770.0	1.832826	2.499	Pass
	5770.0 to 26000.0	2.372037	2.499	Pass

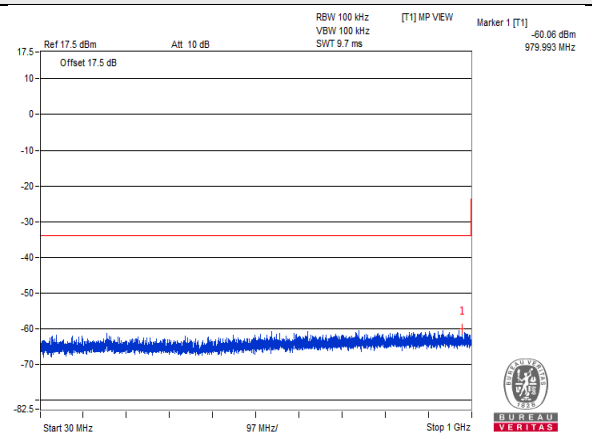
Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

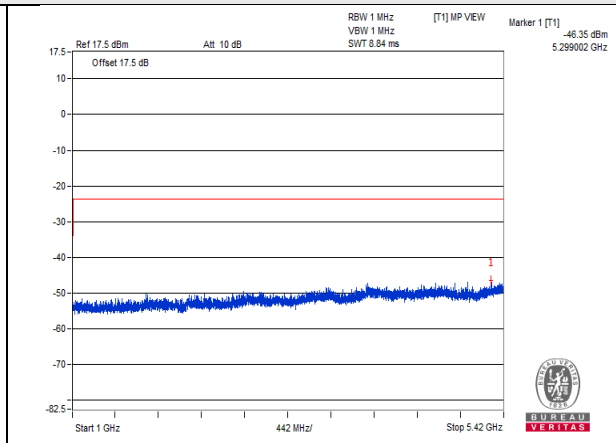
W56 Band:
802.11ac (VHT40)
Chain 0

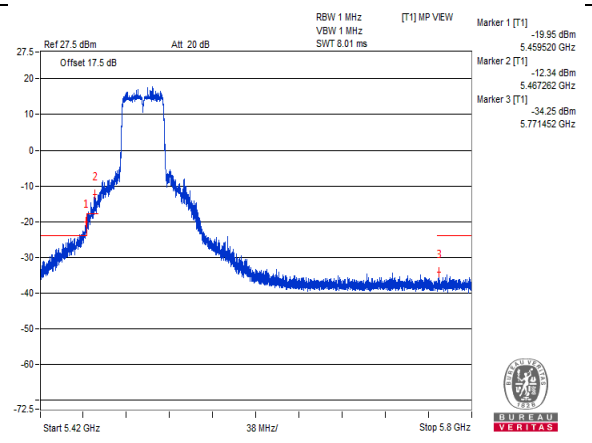
Test Channel		CH 102 (5510MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	979.993	0.000986	0.417	Pass
	1000.0 to 5420.0	5299.002	0.023174	4.167	Pass
	5420.0 to 5460.0	5459.520	0.544617	4.167	Pass(1)
	5460.0 to 5470.0	5467.262	1.606153	16.667	Pass(2)
	5770.0 to 5800.0	5771.452	0.375837	4.167	Pass
	5800.0 to 26000.0	5800.000	0.073790	4.167	Pass
Test Channel		**CH 118 (5590MHz)**			
V_{normal}	30.0 to 1000.0	791.450	0.000968	0.417	Pass
	1000.0 to 5420.0	4801.752	0.022387	4.167	Pass
	5420.0 to 5460.0	5434.630	0.405509	4.167	Pass
	5460.0 to 5470.0	5469.827	0.334965	16.667	Pass
	5770.0 to 5800.0	5795.012	0.351560	4.167	Pass
	5800.0 to 26000.0	5805.050	0.081846	4.167	Pass
Test Channel		**CH 134 (5670MHz)**			
V_{normal}	30.0 to 1000.0	72.922	0.009840	0.417	Pass
	1000.0 to 5420.0	5337.677	0.021135	4.167	Pass
	5420.0 to 5460.0	5458.522	0.333426	4.167	Pass
	5460.0 to 5470.0	5460.802	0.251189	16.667	Pass
	5770.0 to 5800.0	5774.730	0.843335	4.167	Pass
	5800.0 to 26000.0	5800.000	0.112980	4.167	Pass

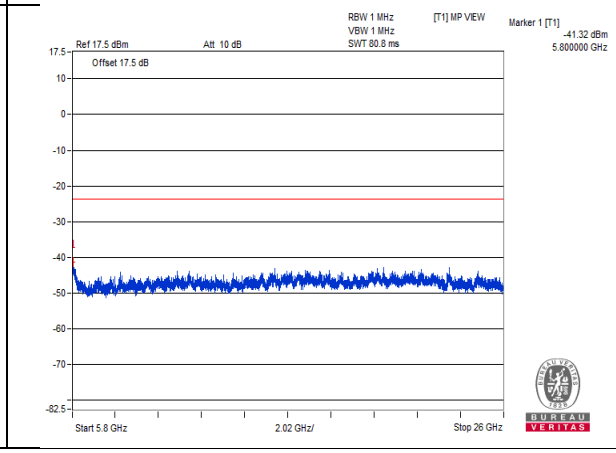
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



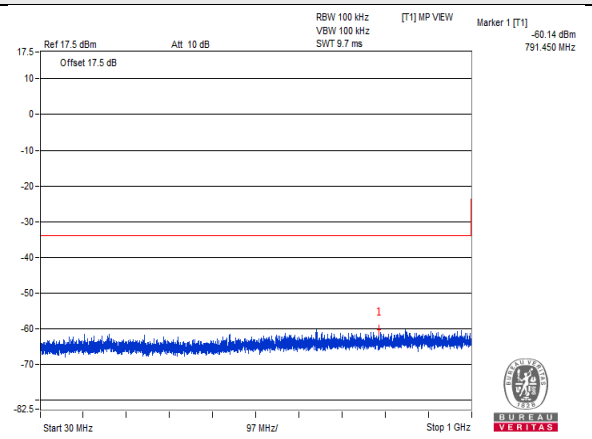


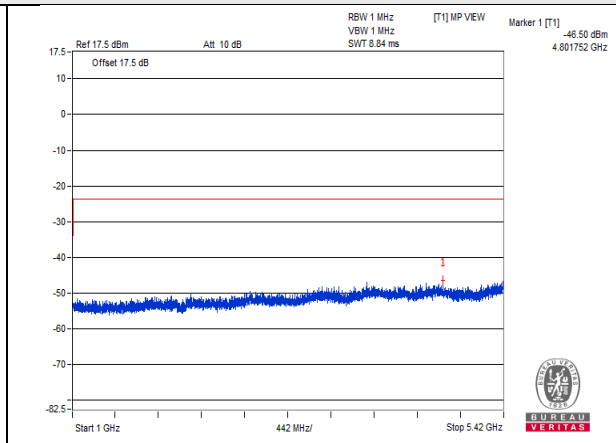


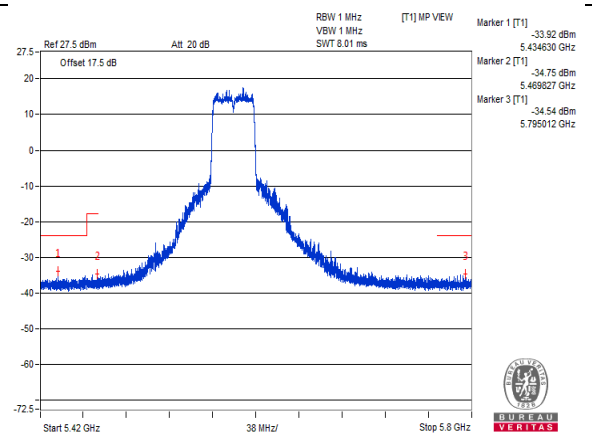


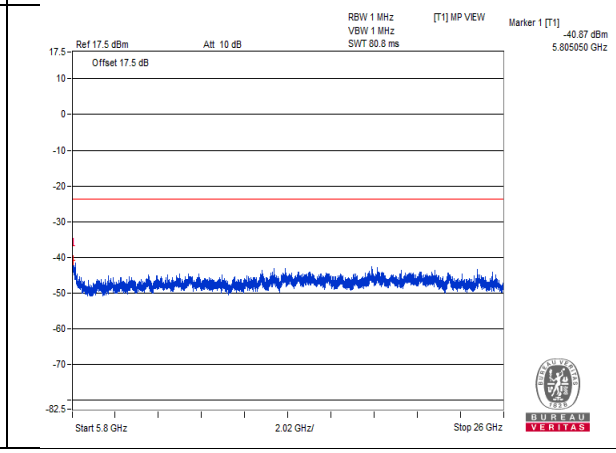
CH 102 (5510MHz)

Vnormal



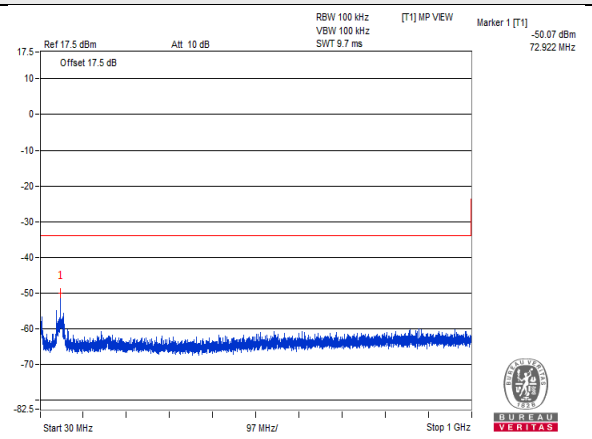


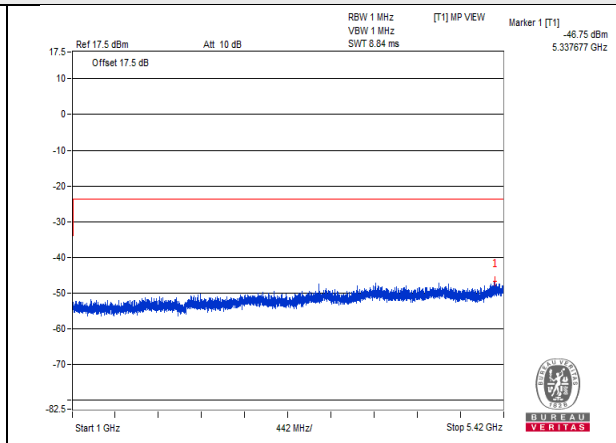


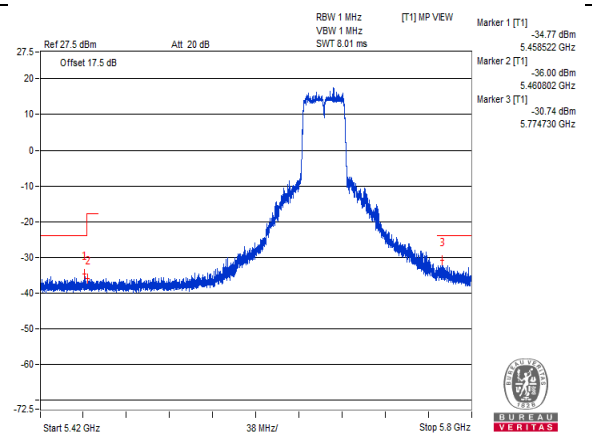


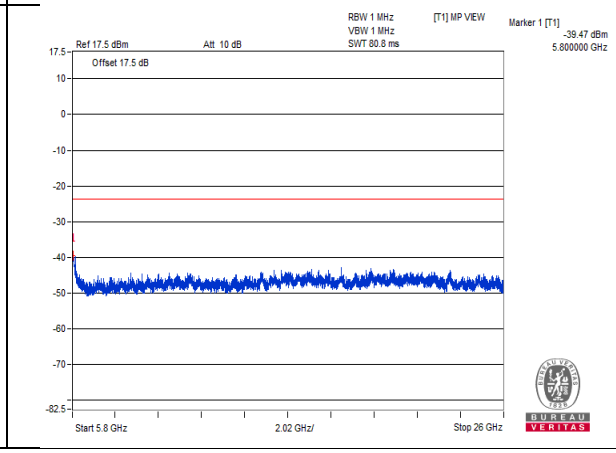
CH 118 (5590MHz)

Vnormal



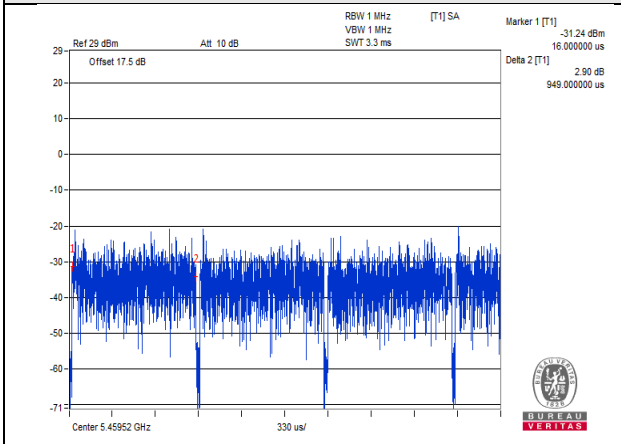


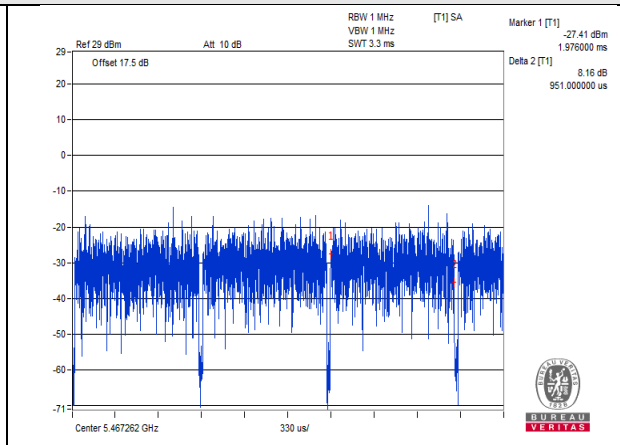




CH 134 (5670MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





1	5459.520MHz	P = 0.544617uW	2	5467.262MHz	P = 1.606153uW

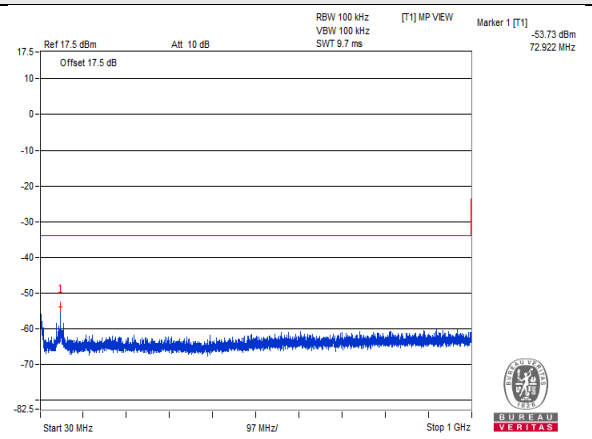
Chain 1

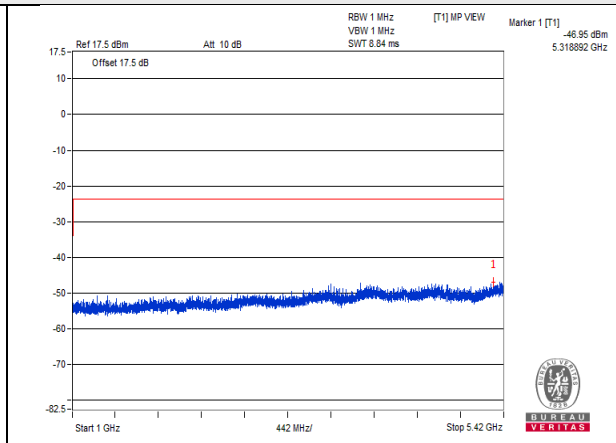
Test Channel		CH 102 (5510MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	72.922	0.004236	0.417	Pass
	1000.0 to 5420.0	5318.892	0.020184	4.167	Pass
	5420.0 to 5460.0	5459.757	0.237531	4.167	Pass(1)
	5460.0 to 5470.0	5467.690	0.577662	16.667	Pass(2)
	5770.0 to 5800.0	5797.625	0.333426	4.167	Pass
	5800.0 to 26000.0	5837.875	0.050234	4.167	Pass
Test Channel		**CH 118 (5590MHz)**			
V_{normal}	30.0 to 1000.0	72.801	0.003027	0.417	Pass
	1000.0 to 5420.0	4102.840	0.018880	4.167	Pass
	5420.0 to 5460.0	5440.187	0.274789	4.167	Pass
	5460.0 to 5470.0	5465.172	0.257632	16.667	Pass
	5770.0 to 5800.0	5774.730	0.317687	4.167	Pass
	5800.0 to 26000.0	5802.525	0.062517	4.167	Pass
Test Channel		**CH 134 (5670MHz)**			
V_{normal}	30.0 to 1000.0	72.922	0.009572	0.417	Pass
	1000.0 to 5420.0	4251.462	0.021528	4.167	Pass
	5420.0 to 5460.0	5449.497	0.285102	4.167	Pass
	5460.0 to 5470.0	5461.847	0.239332	16.667	Pass
	5770.0 to 5800.0	5772.830	0.422669	4.167	Pass
	5800.0 to 26000.0	5805.050	0.081096	4.167	Pass

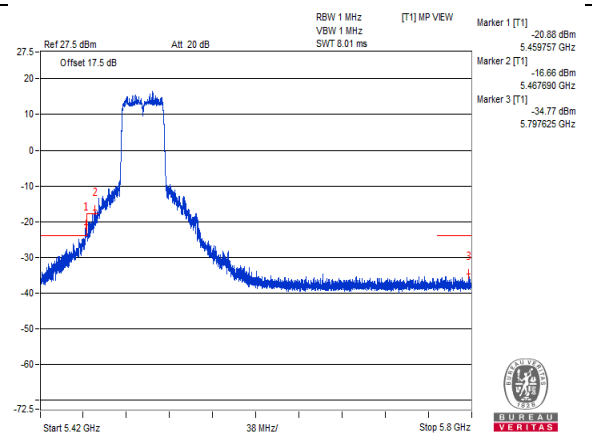
Note: 1. The spectrum plots are attached on the following pages.

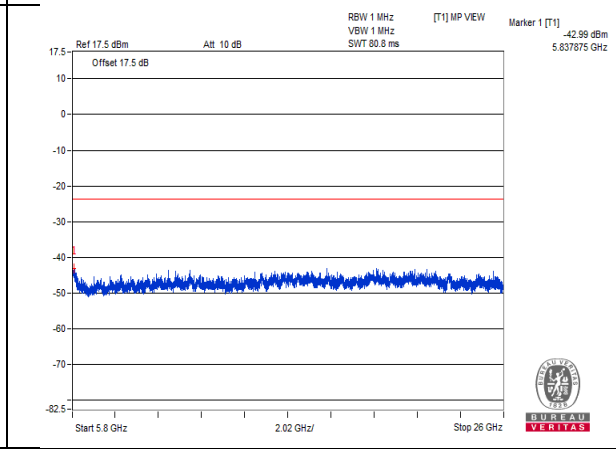
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



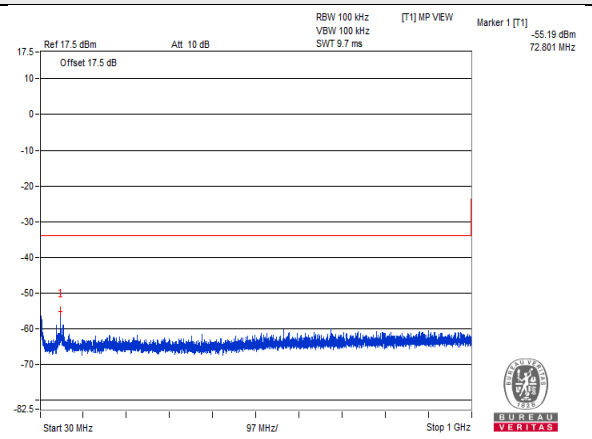


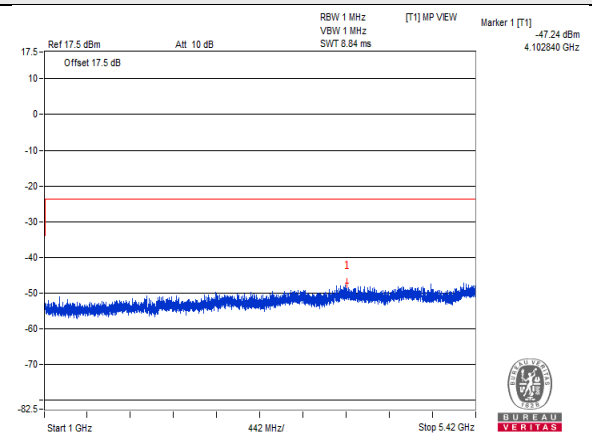


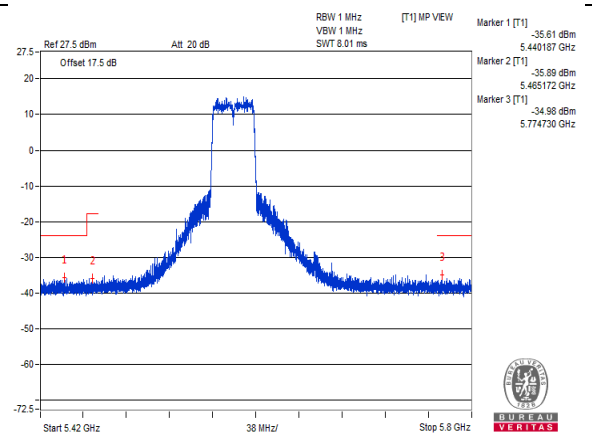


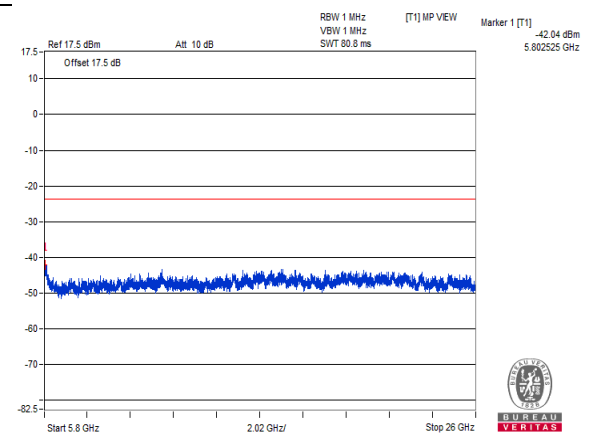
CH 102 (5510MHz)

Vnormal



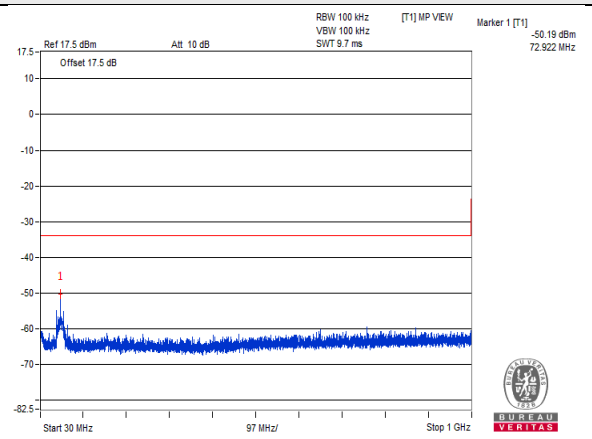


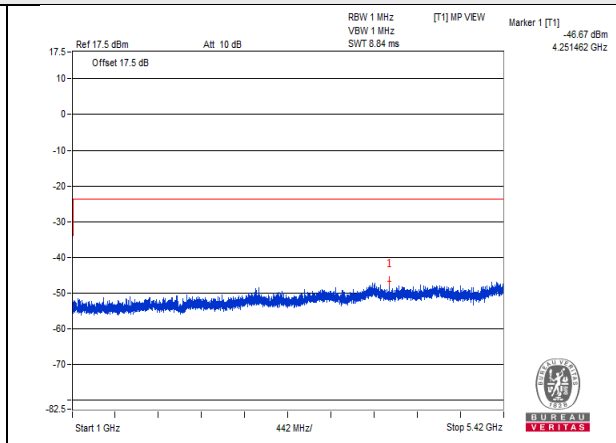


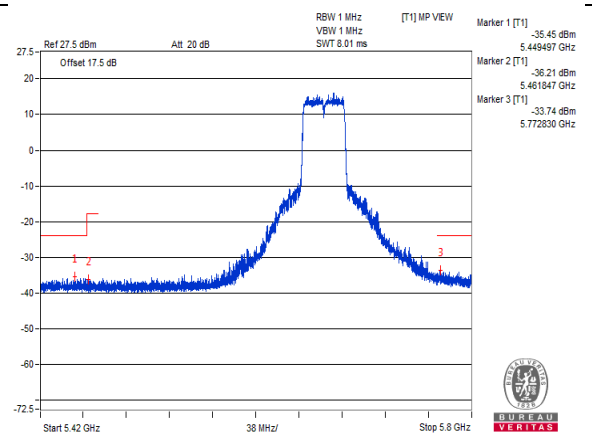


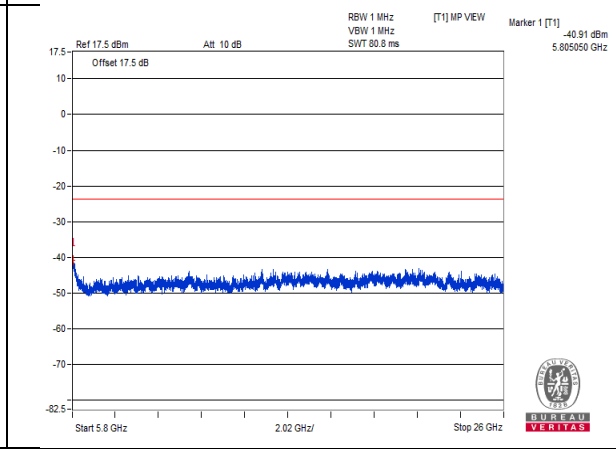
CH 118 (5590MHz)

Vnormal



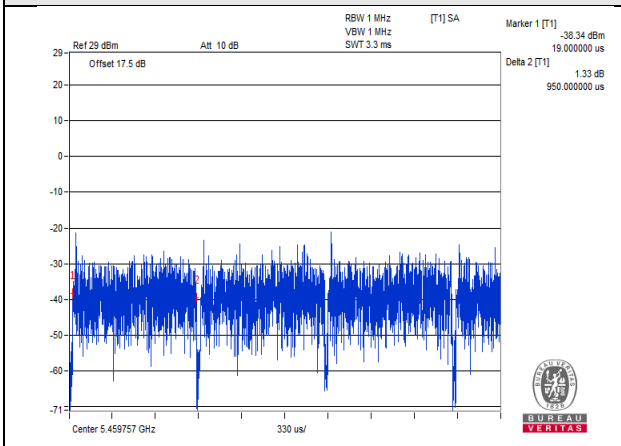




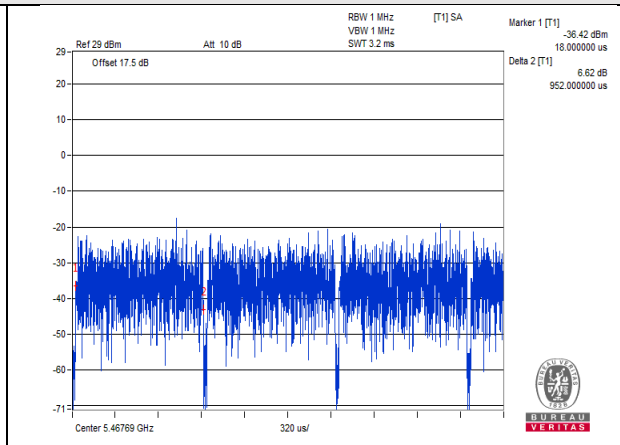


CH 134 (5670MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal



1	5459.757MHz	P = 0.237531uW	2	5467.690MHz	P = 0.577662uW

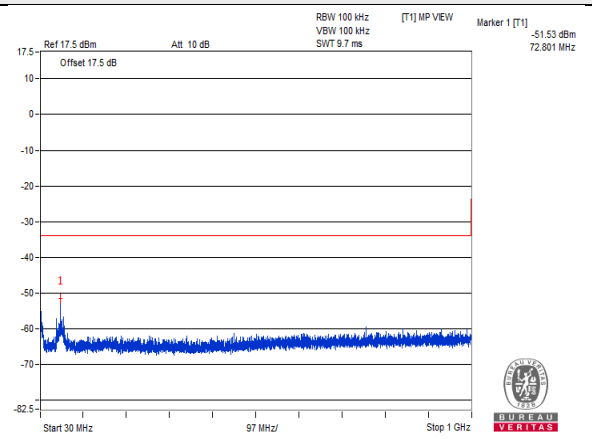


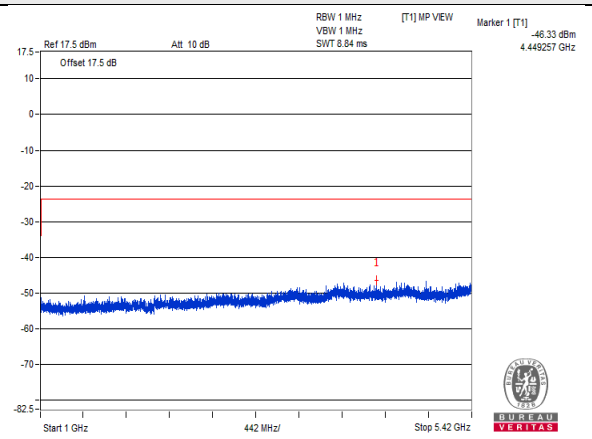
Chain 2

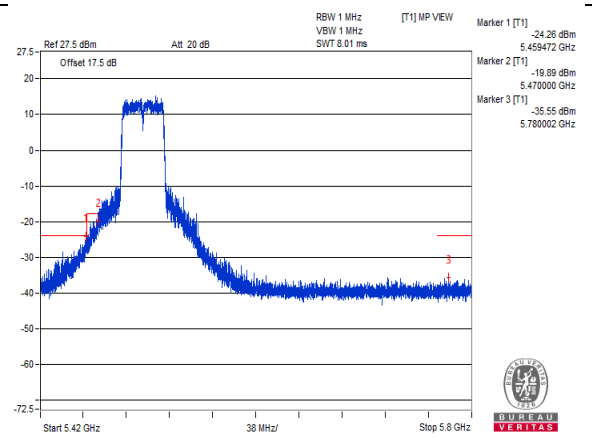
Test Channel		CH 102 (5510MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	72.801	0.007031	0.417	Pass
	1000.0 to 5420.0	4449.257	0.023281	4.167	Pass
	5420.0 to 5460.0	5459.472	3.749730	4.167	Pass
	5460.0 to 5470.0	5470.000	10.256519	16.667	Pass
	5770.0 to 5800.0	5780.002	0.278612	4.167	Pass
	5800.0 to 26000.0	5837.875	0.057016	4.167	Pass
Test Channel		**CH 118 (5590MHz)**			
V_{normal}	30.0 to 1000.0	72.801	0.004624	0.417	Pass
	1000.0 to 5420.0	5354.805	0.019231	4.167	Pass
	5420.0 to 5460.0	5426.460	0.304789	4.167	Pass
	5460.0 to 5470.0	5460.375	0.288403	16.667	Pass
	5770.0 to 5800.0	5786.937	0.332660	4.167	Pass
	5800.0 to 26000.0	5810.100	0.075336	4.167	Pass
Test Channel		**CH 134 (5670MHz)**			
V_{normal}	30.0 to 1000.0	72.801	0.003105	0.417	Pass
	1000.0 to 5420.0	5374.142	0.019953	4.167	Pass
	5420.0 to 5460.0	5429.310	0.272898	4.167	Pass
	5460.0 to 5470.0	5461.325	0.247172	16.667	Pass
	5770.0 to 5800.0	5774.112	0.644169	4.167	Pass
	5800.0 to 26000.0	5805.050	0.087700	4.167	Pass

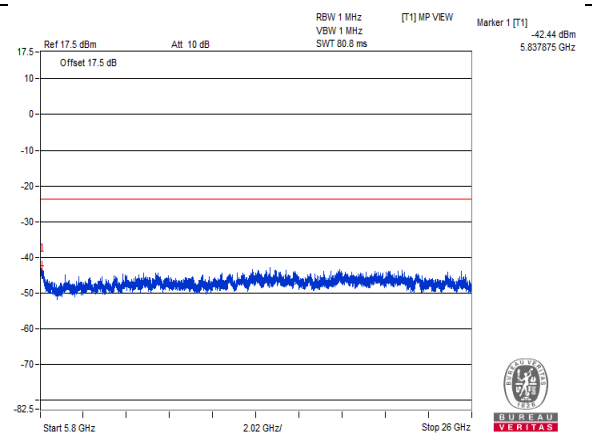
Note: The spectrum plots are attached on the following pages.

Vnormal



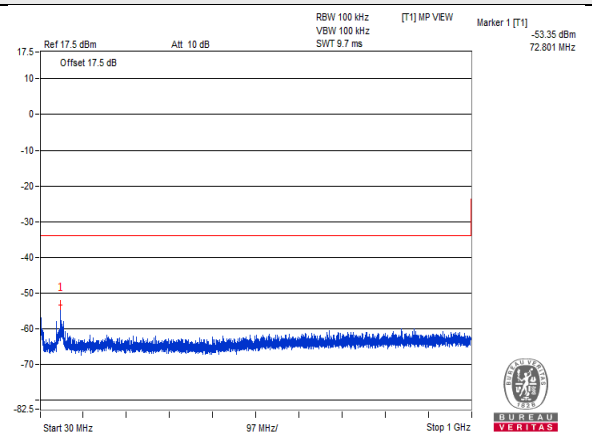


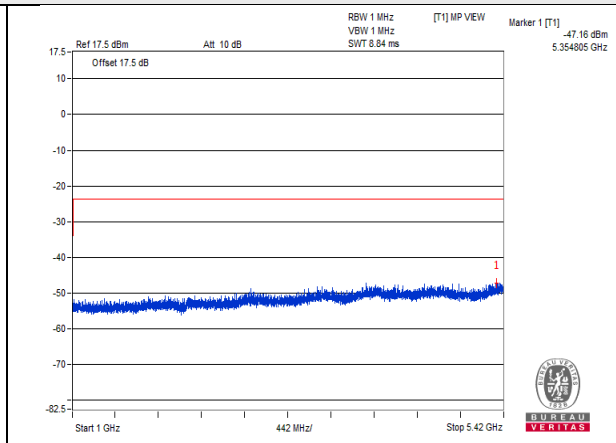


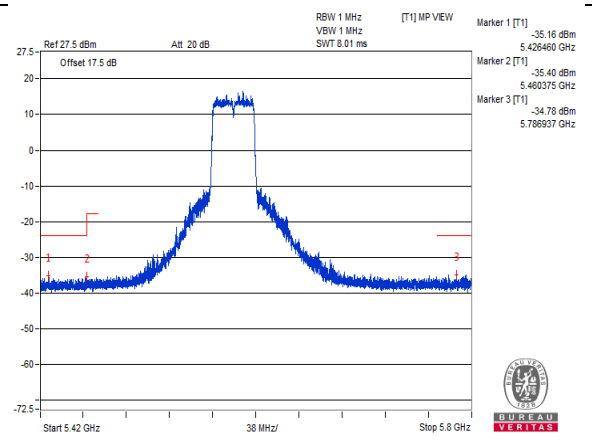


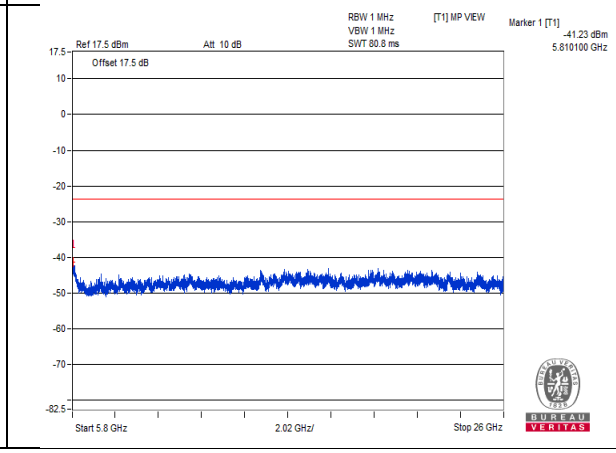
CH 102 (5510MHz)

Vnormal



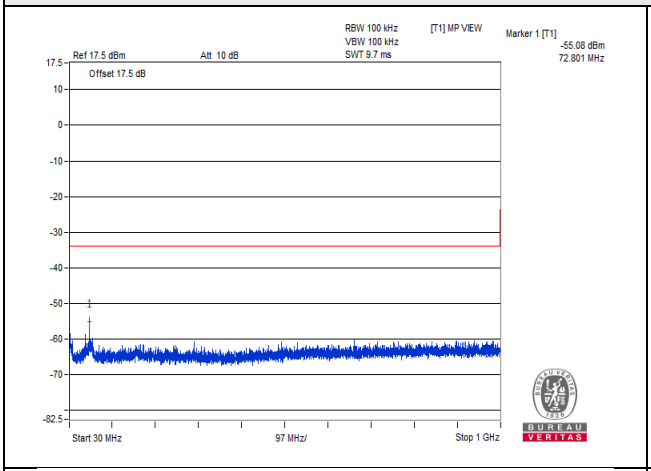


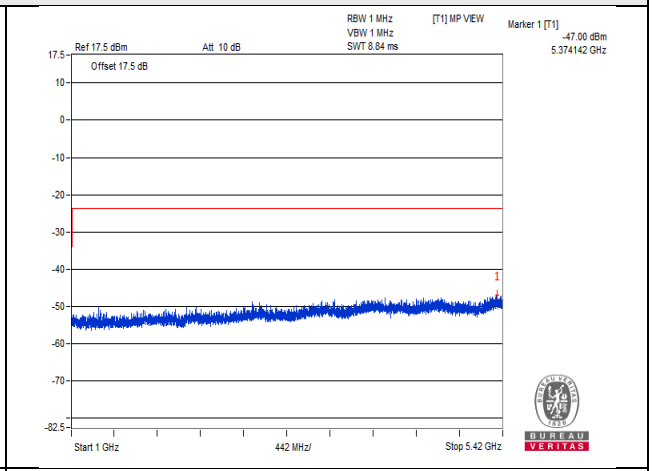


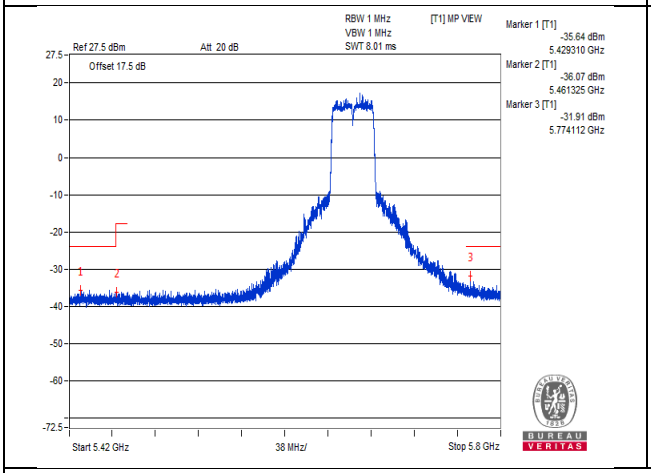


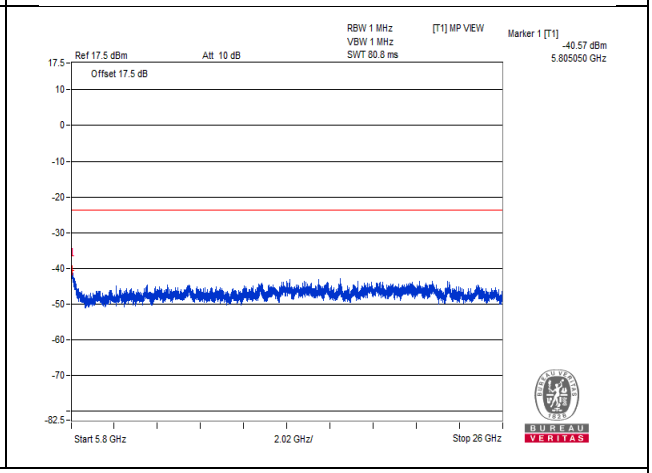
CH 118 (5590MHz)

Vnormal









CH 134 (5670MHz)

[Worst result] x [Number of antenna ports]

Test Channel		CH 102 (5510MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.021093	1.251	Pass
	1000.0 to 5420.0	0.069843	12.501	Pass
	5420.0 to 5460.0	11.249190	12.501	Pass
	5460.0 to 5470.0	30.769557	50.001	Pass
	5770.0 to 5800.0	1.127511	12.501	Pass
	5800.0 to 26000.0	0.221370	12.501	Pass
Test Channel		**CH 118 (5590MHz)**		
V_{normal}	30.0 to 1000.0	0.013872	1.251	Pass
	1000.0 to 5420.0	0.067161	12.501	Pass
	5420.0 to 5460.0	1.216527	12.501	Pass
	5460.0 to 5470.0	1.004895	50.001	Pass
	5770.0 to 5800.0	1.054680	12.501	Pass
	5800.0 to 26000.0	0.245538	12.501	Pass
Test Channel		**CH 134 (5670MHz)**		
V_{normal}	30.0 to 1000.0	0.029520	1.251	Pass
	1000.0 to 5420.0	0.064584	12.501	Pass
	5420.0 to 5460.0	1.000278	12.501	Pass
	5460.0 to 5470.0	0.753567	50.001	Pass
	5770.0 to 5800.0	2.530005	12.501	Pass
	5800.0 to 26000.0	0.338940	12.501	Pass

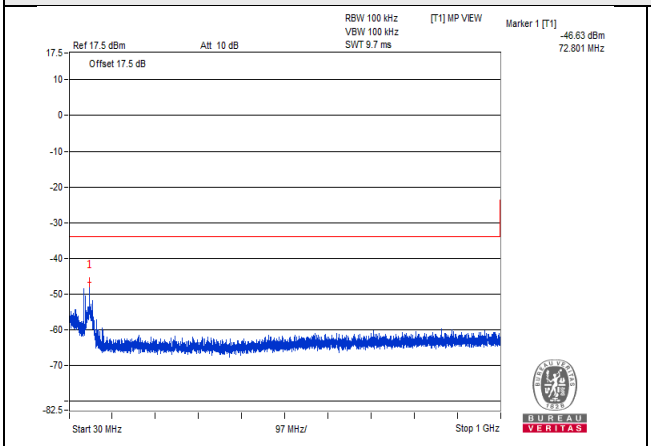
Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

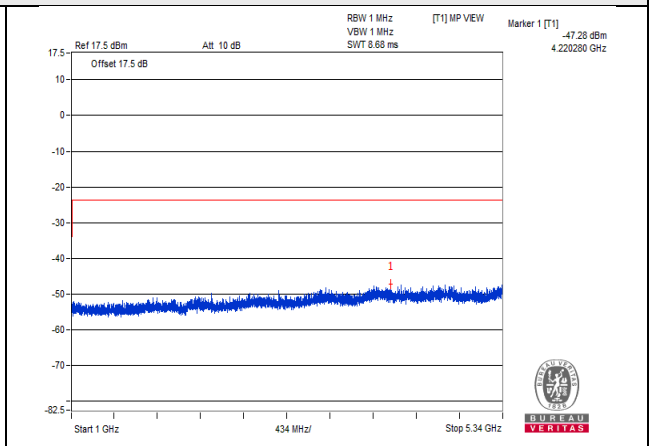
W56 Band:
802.11ac (VHT80)
Chain 0

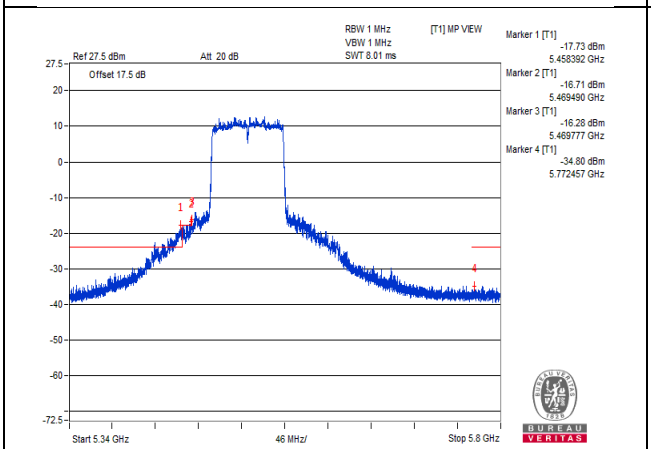
Test Channel		CH 106 (5530MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	72.801	0.021727	0.417	Pass
	1000.0 to 5340.0	4220.280	0.018707	4.167	Pass
	5340.0 to 5460.0	5458.392	0.612780	4.167	Pass(1)
	5460.0 to 5469.5	5469.490	0.748486	16.667	Pass(2)
	5469.5 to 5470.0	5469.777	0.830010	17.067	Pass(3)
	5770.0 to 5800.0	5772.457	0.331131	4.167	Pass
	5800.0 to 26000.0	5815.150	0.061376	4.167	Pass
Test Channel		**CH 122 (5610MHz)**			
V_{normal}	30.0 to 1000.0	59.948	0.007534	0.417	Pass
	1000.0 to 5340.0	4196.410	0.019364	4.167	Pass
	5340.0 to 5460.0	5457.415	0.349140	4.167	Pass
	5460.0 to 5469.5	5467.937	0.476431	16.667	Pass
	5469.5 to 5470.0	5469.720	0.335738	17.067	Pass
	5770.0 to 5800.0	5773.550	0.504661	4.167	Pass
	5800.0 to 26000.0	5807.575	0.119674	4.167	Pass

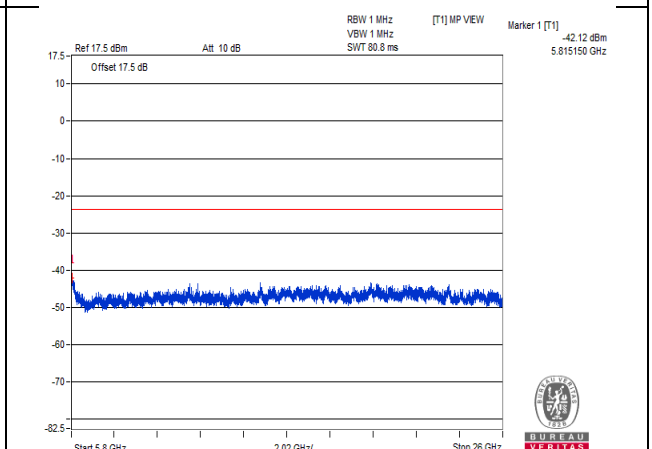
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



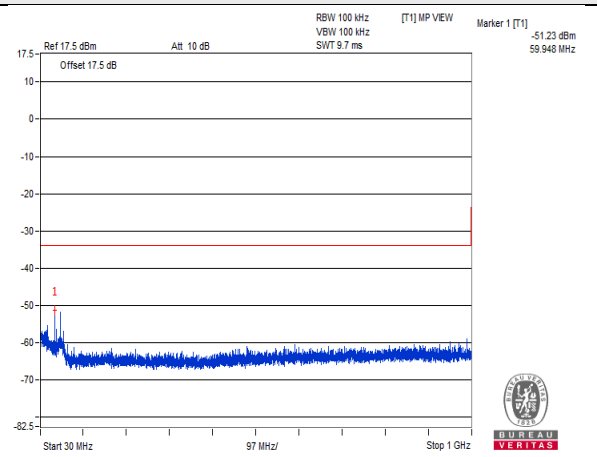


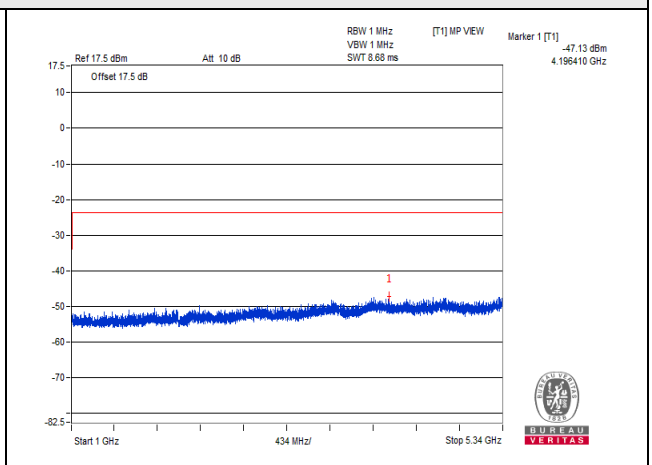


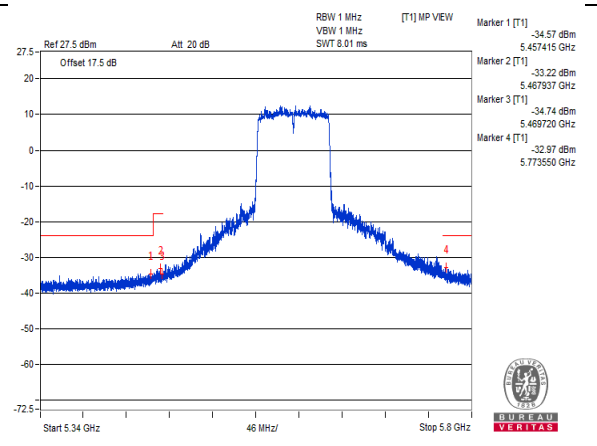


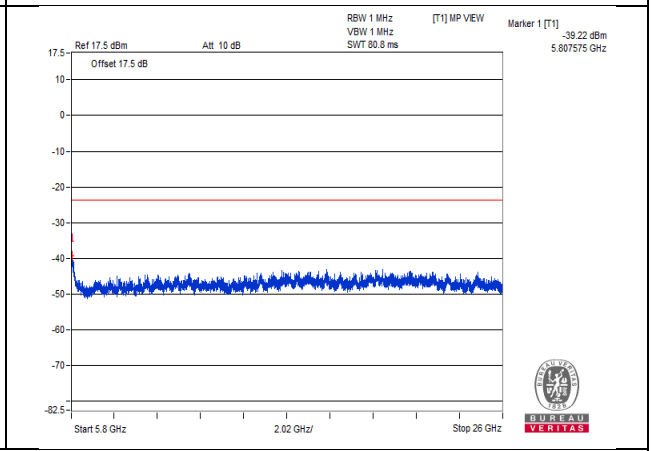
CH 106 (5530MHz)

Vnormal





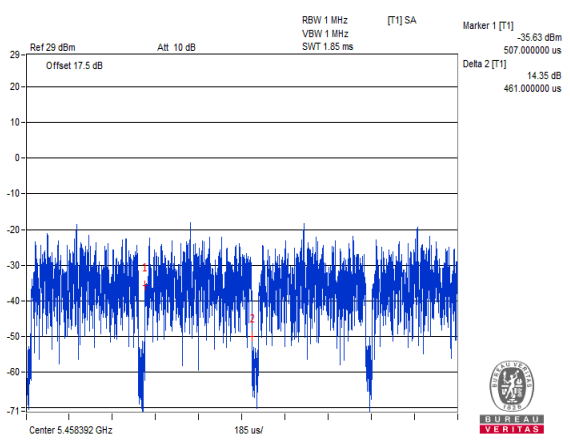




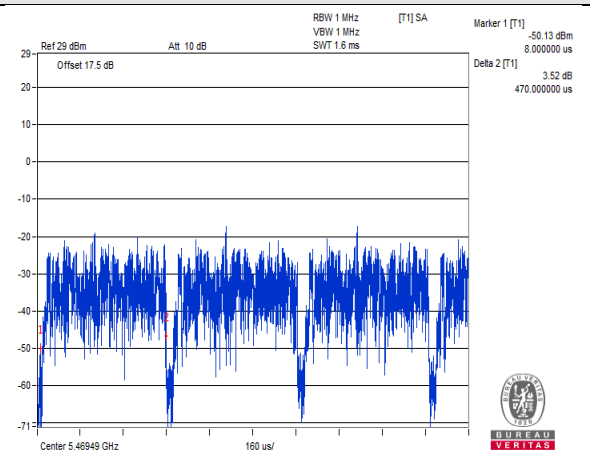
CH 122 (5610MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

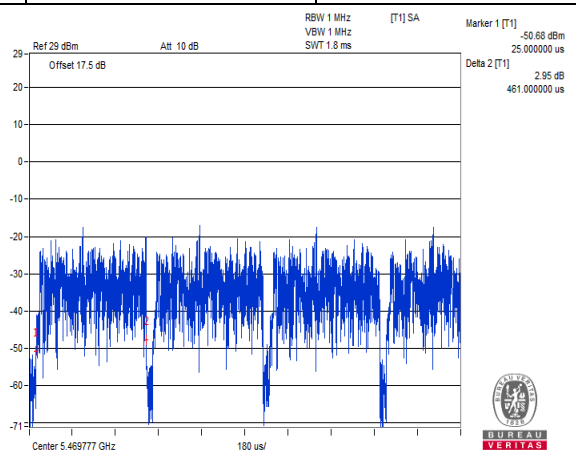
Vnormal



1	5458.392MHz	P = 0.61278uW



2	5469.490MHz	P = 0.748486uW



3	5469.777MHz	P = 0.83001uW

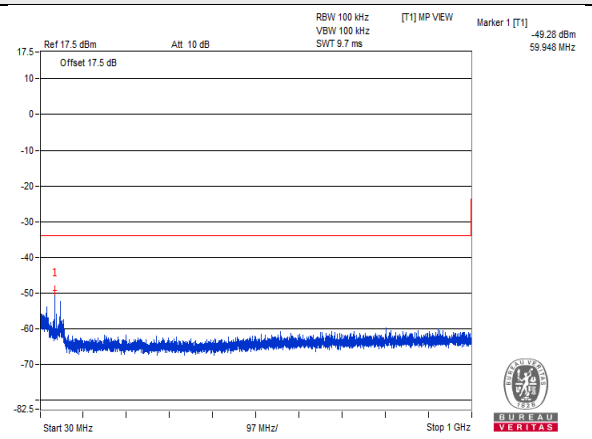
Chain 1

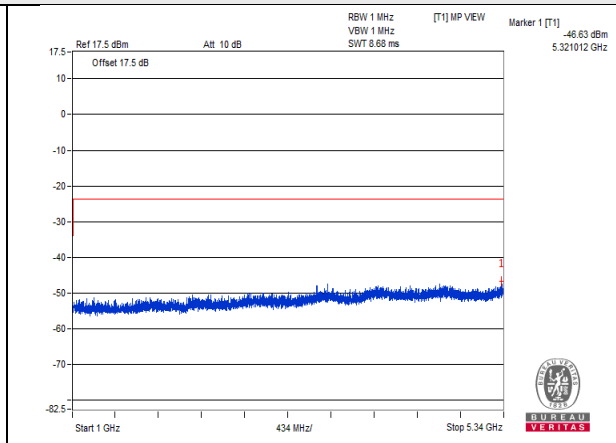
Test Channel		CH 106 (5530MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	59.948	0.011803	0.417	Pass
	1000.0 to 5340.0	5321.012	0.021727	4.167	Pass
	5340.0 to 5460.0	5458.335	0.647290	4.167	Pass(1)
	5460.0 to 5469.5	5465.810	15.922087	16.667	Pass
	5469.5 to 5470.0	5469.605	16.865530	17.067	Pass
	5770.0 to 5800.0	5786.315	0.358096	4.167	Pass
	5800.0 to 26000.0	5845.450	0.078524	4.167	Pass
Test Channel		**CH 122 (5610MHz)**			
V_{normal}	30.0 to 1000.0	59.948	0.009863	0.417	Pass
	1000.0 to 5340.0	5339.457	0.021827	4.167	Pass
	5340.0 to 5460.0	5456.207	0.368978	4.167	Pass
	5460.0 to 5469.5	5468.857	0.505825	16.667	Pass
	5469.5 to 5470.0	5469.950	0.411150	17.067	Pass
	5770.0 to 5800.0	5773.492	0.610942	4.167	Pass
	5800.0 to 26000.0	5805.050	0.132739	4.167	Pass

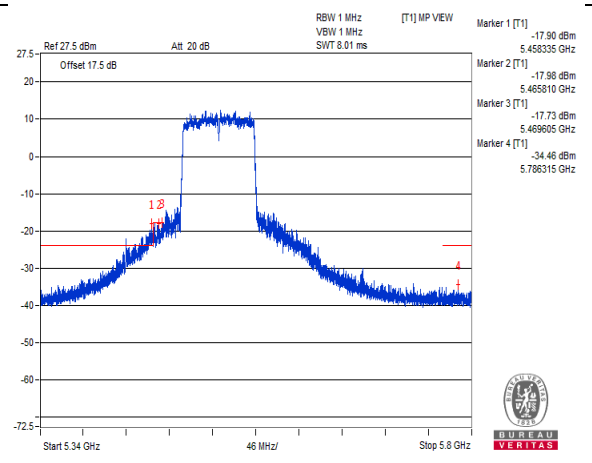
Note: 1. The spectrum plots are attached on the following pages.

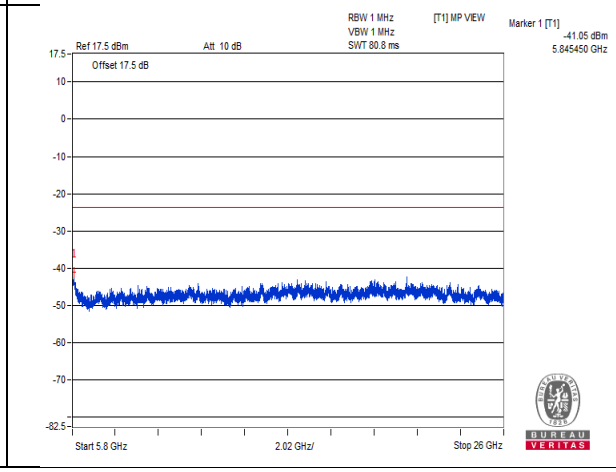
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



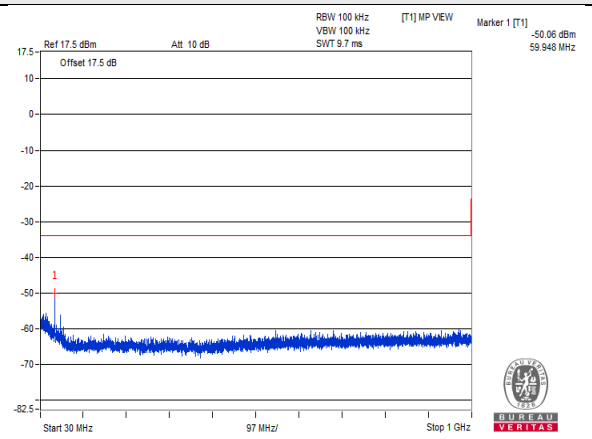


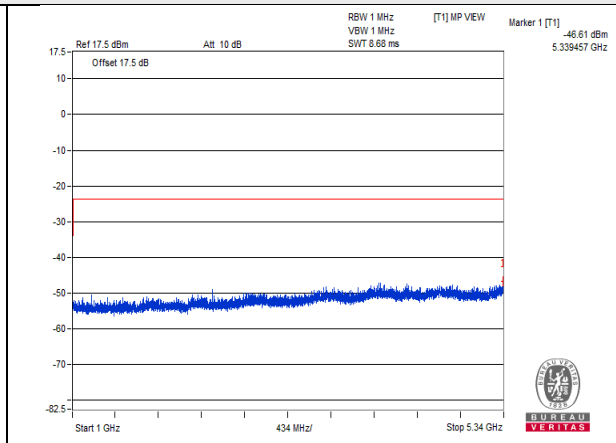


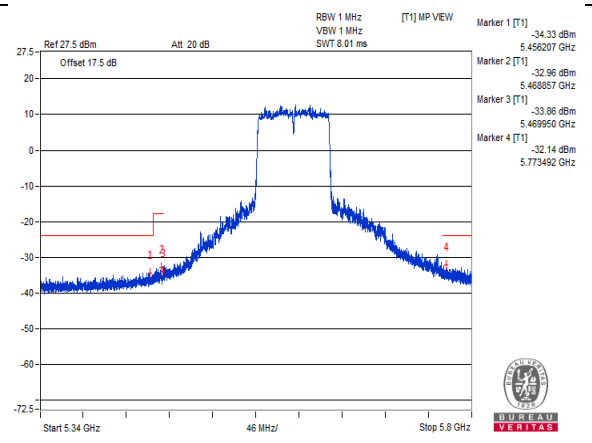


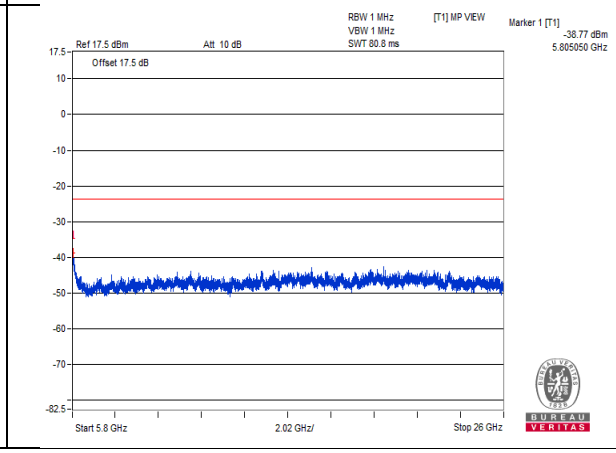
CH 106 (5530MHz)

Vnormal

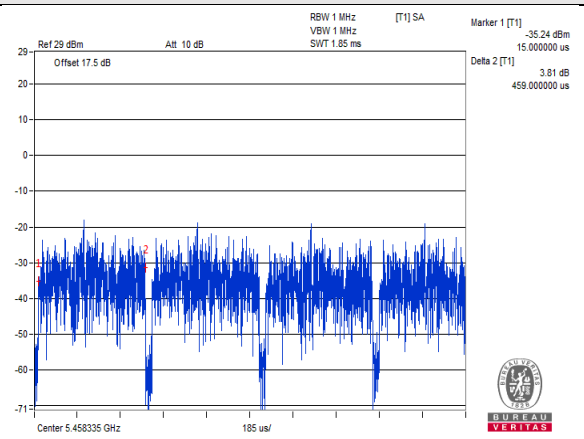








CH 122 (5610MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5458.335MHz	P = 0.64729uW			

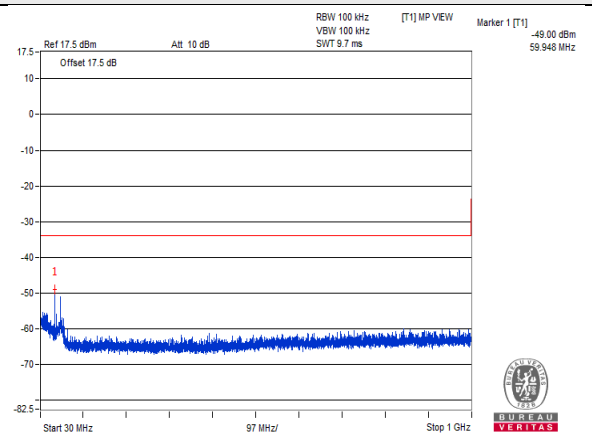
Chain 2

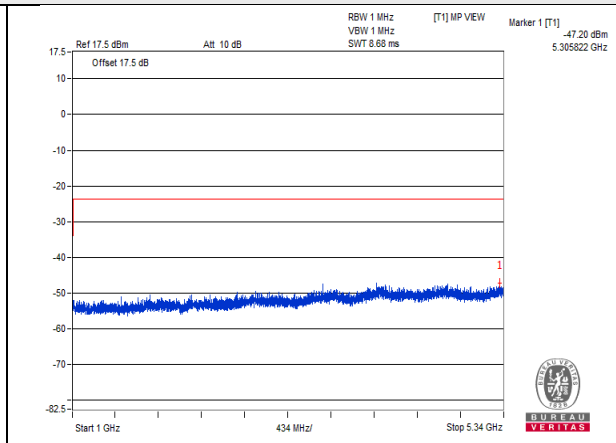
Test Channel		CH 106 (5530MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	59.948	0.012589	0.417	Pass
	1000.0 to 5340.0	5305.822	0.019055	4.167	Pass
	5340.0 to 5460.0	5458.450	0.541688	4.167	Pass(1)
	5460.0 to 5469.5	5469.432	0.702371	16.667	Pass(2)
	5469.5 to 5470.0	5469.547	0.676840	17.067	Pass(3)
	5770.0 to 5800.0	5777.000	0.374973	4.167	Pass
	5800.0 to 26000.0	5873.225	0.070469	4.167	Pass
Test Channel		CH 122 (5610MHz)			
V_{normal}	30.0 to 1000.0	59.948	0.008356	0.417	Pass
	1000.0 to 5340.0	4148.127	0.018578	4.167	Pass
	5340.0 to 5460.0	5450.400	0.379315	4.167	Pass
	5460.0 to 5469.5	5463.682	0.419759	16.667	Pass
	5469.5 to 5470.0	5469.720	0.317687	17.067	Pass
	5770.0 to 5800.0	5775.275	0.820352	4.167	Pass
	5800.0 to 26000.0	5807.575	0.106660	4.167	Pass

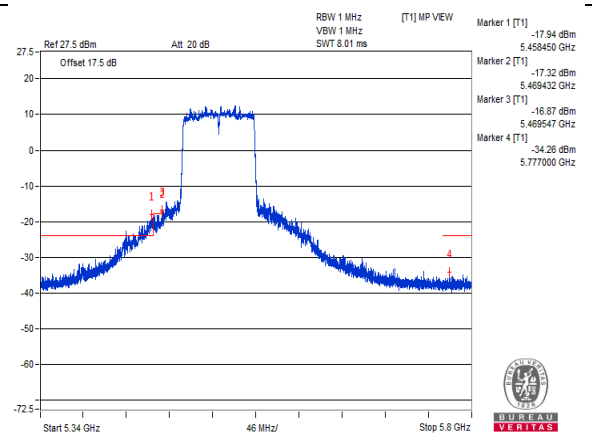
Note: 1. The spectrum plots are attached on the following pages.

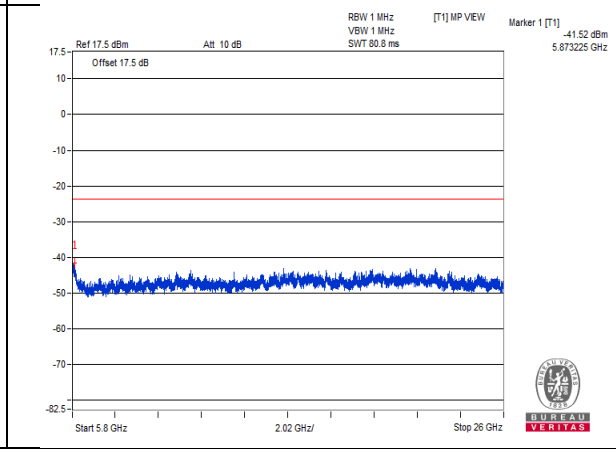
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



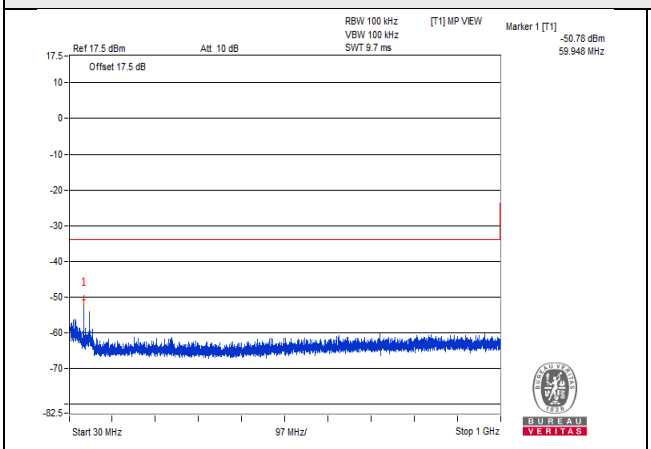


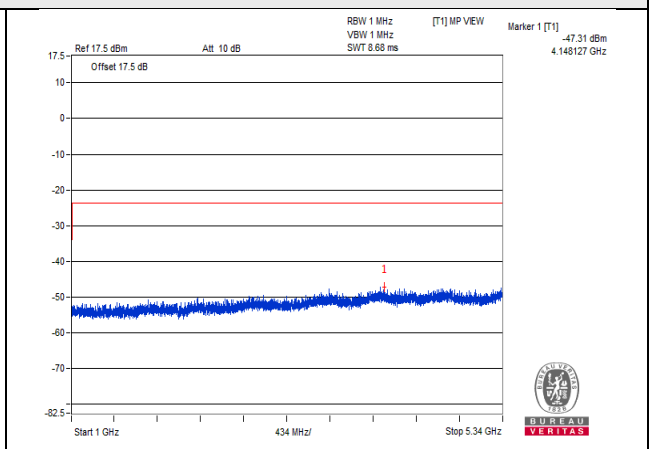


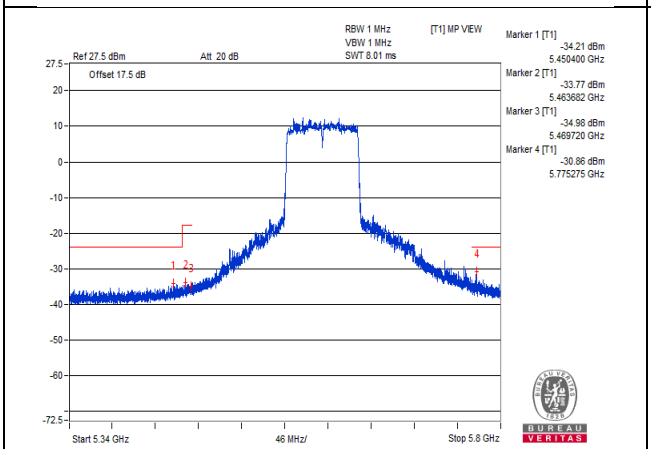


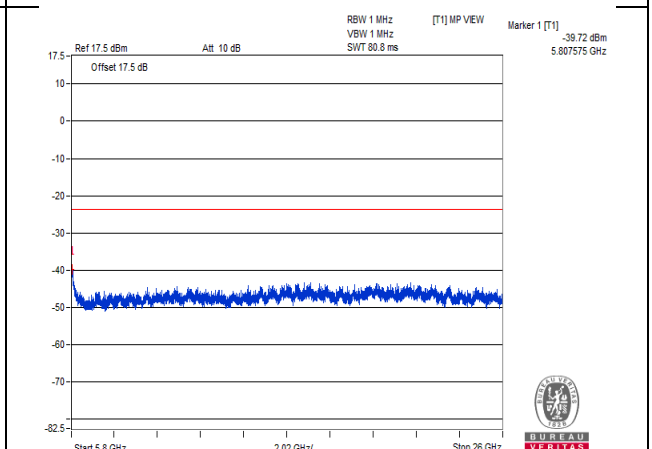
CH 106 (5530MHz)

Vnormal

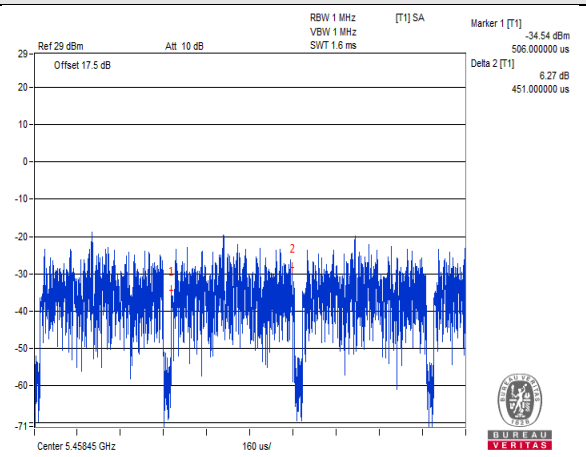
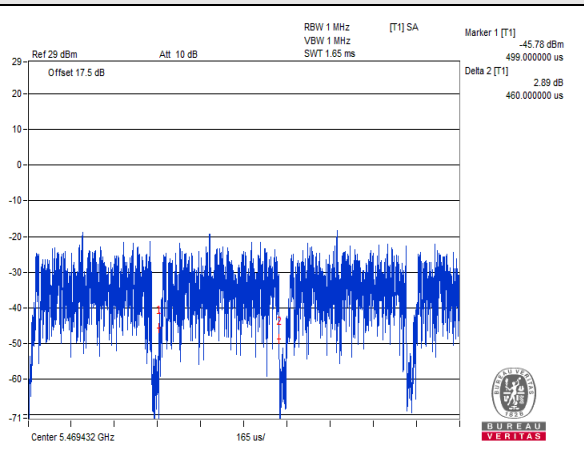
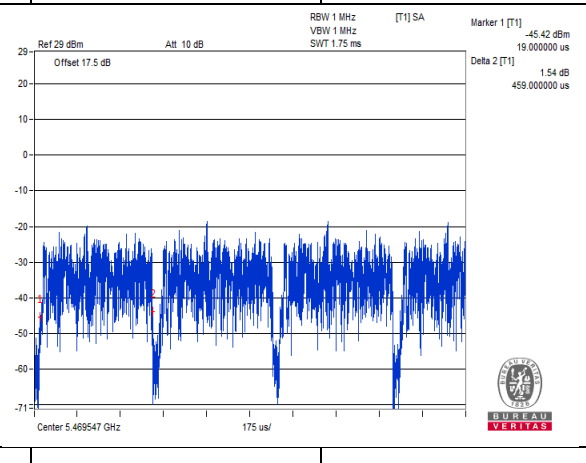








CH 122 (5610MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5458.450MHz	P = 0.541688uW	2	5469.432MHz	P = 0.702371uW
					
3	5469.547MHz	P = 0.67684uW			

[Worst result] x [Number of antenna ports]

Test Channel		CH 106 (5530MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.065181	1.251	Pass
	1000.0 to 5340.0	0.065181	12.501	Pass
	5340.0 to 5460.0	1.941870	12.501	Pass
	5460.0 to 5469.5	47.766261	50.001	Pass
	5469.5 to 5470.0	50.596590	51.201	Pass
	5770.0 to 5800.0	1.124919	12.501	Pass
	5800.0 to 26000.0	0.235572	12.501	Pass
Test Channel		**CH 122 (5610MHz)**		
V_{normal}	30.0 to 1000.0	0.029589	1.251	Pass
	1000.0 to 5340.0	0.065481	12.501	Pass
	5340.0 to 5460.0	1.137945	12.501	Pass
	5460.0 to 5469.5	1.517475	50.001	Pass
	5469.5 to 5470.0	1.233450	51.201	Pass
	5770.0 to 5800.0	2.461056	12.501	Pass
	5800.0 to 26000.0	0.398217	12.501	Pass

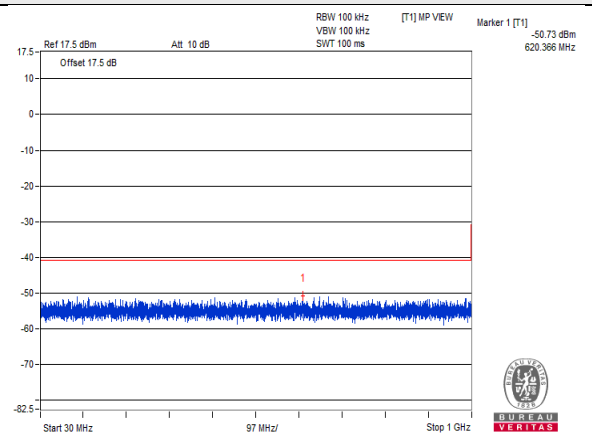
Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

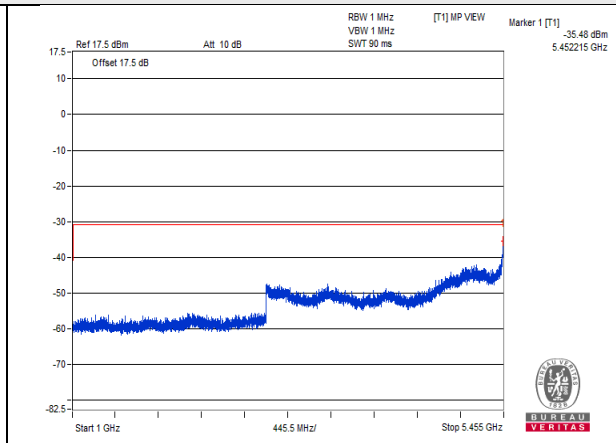
W56 Band:
802.11ax (HE20)
Chain 0

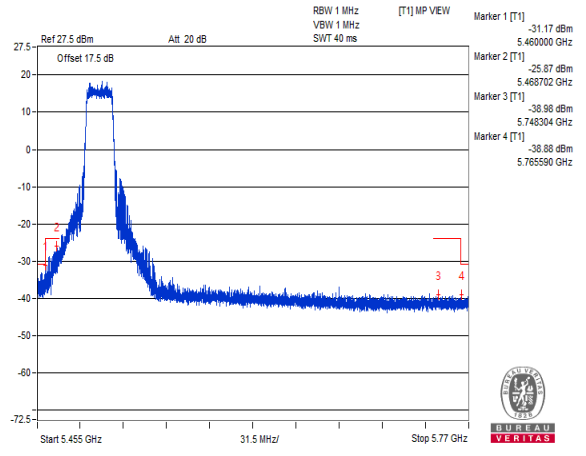
Test Channel		CH 100 (5500MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	620.366	0.008453	0.083	Pass
	1000.0 to 5455.0	5452.215	0.283139	0.833	Pass
	5455.0 to 5460.0	5460.000	0.763836	0.833	Pass
	5460.0 to 5470.0	5468.702	2.588213	4.167	Pass
	5745.0 to 5765.0	5748.304	0.126474	4.167	Pass
	5765.0 to 5770.0	5765.590	0.129420	0.833	Pass
	5770.0 to 26000.0	22029.862	0.467735	0.833	Pass
Test Channel		**CH 120 (5600MHz)**			
V_{normal}	30.0 to 1000.0	167.982	0.010399	0.083	Pass
	1000.0 to 5455.0	5092.474	0.046345	0.833	Pass
	5455.0 to 5460.0	5459.725	0.136458	0.833	Pass
	5460.0 to 5470.0	5463.583	0.170608	4.167	Pass
	5745.0 to 5765.0	5756.218	0.171396	4.167	Pass
	5765.0 to 5770.0	5769.291	0.136458	0.833	Pass
	5770.0 to 26000.0	22032.391	0.399945	0.833	Pass
Test Channel		**CH 140 (5700MHz)**			
V_{normal}	30.0 to 1000.0	388.900	0.009183	0.083	Pass
	1000.0 to 5455.0	5455.000	0.042560	0.833	Pass
	5455.0 to 5460.0	5456.023	0.143880	0.833	Pass
	5460.0 to 5470.0	5462.323	0.164059	4.167	Pass
	5745.0 to 5765.0	5746.886	0.510505	4.167	Pass
	5765.0 to 5770.0	5767.480	0.145211	0.833	Pass
	5770.0 to 26000.0	22108.253	0.374111	0.833	Pass

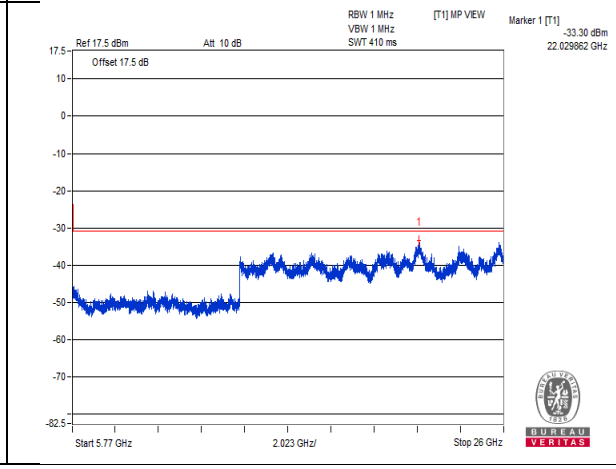
Note: The spectrum plots are attached on the following pages.

Vnormal



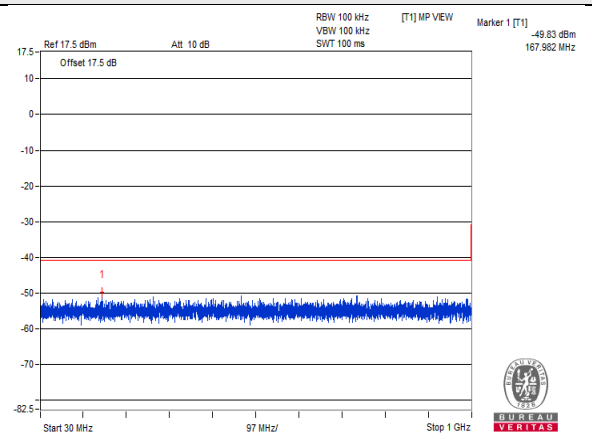


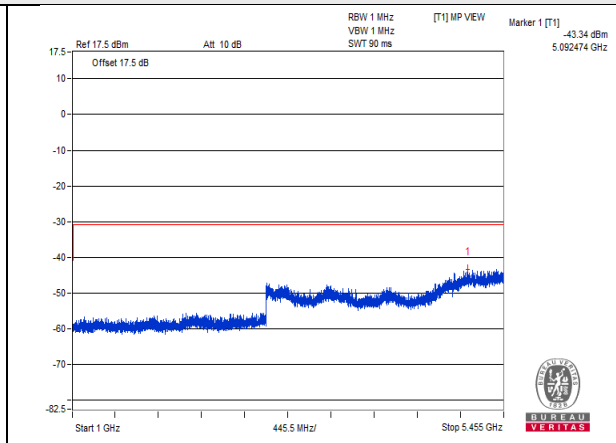


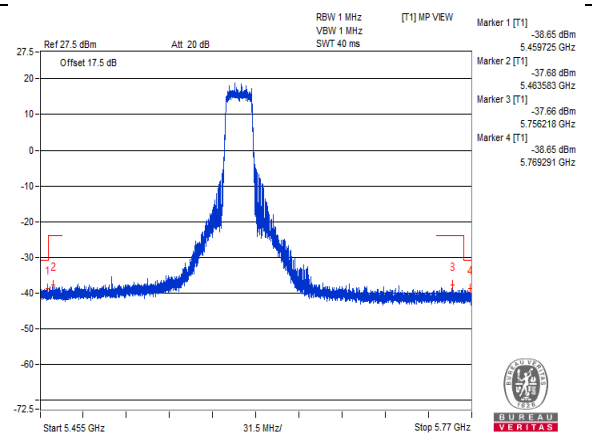


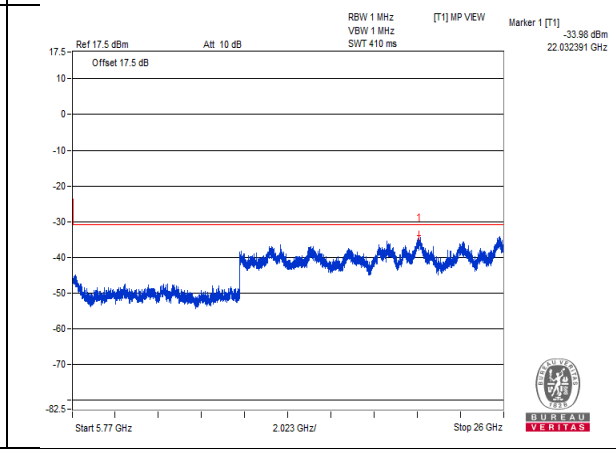
CH 100 (5500MHz)

Vnormal



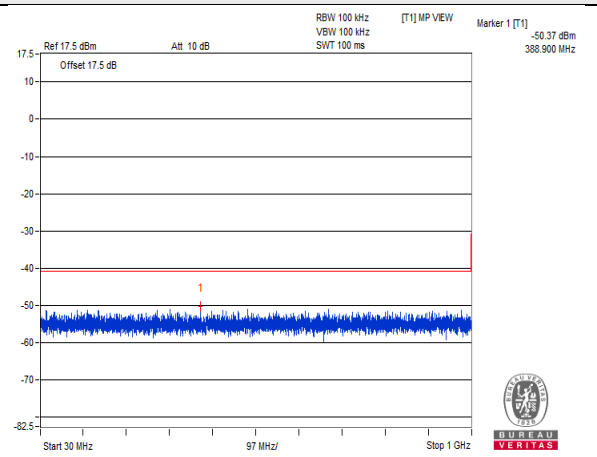


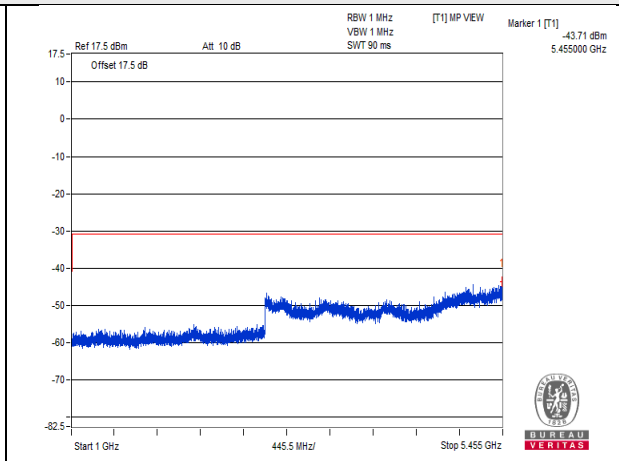


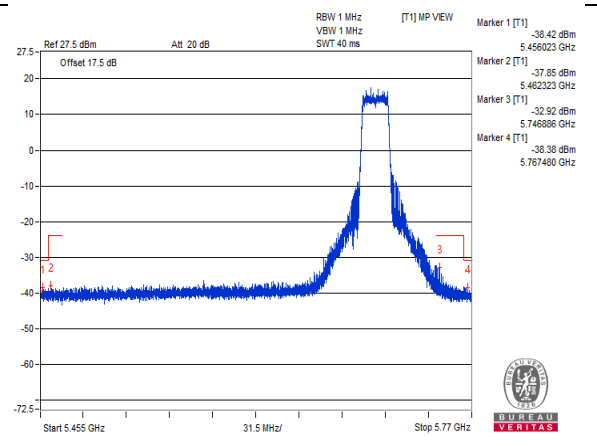


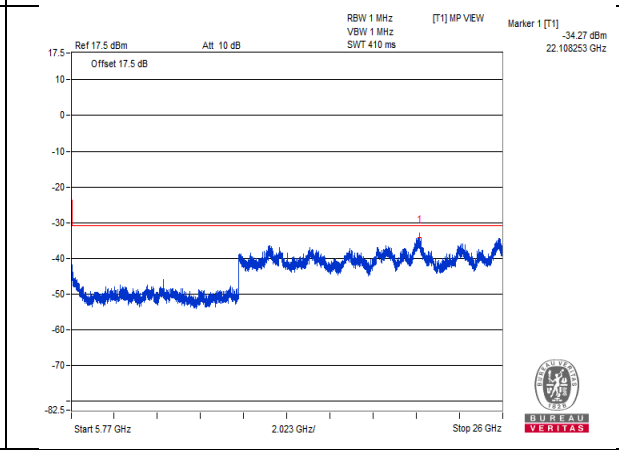
CH 120 (5600MHz)

Vnormal









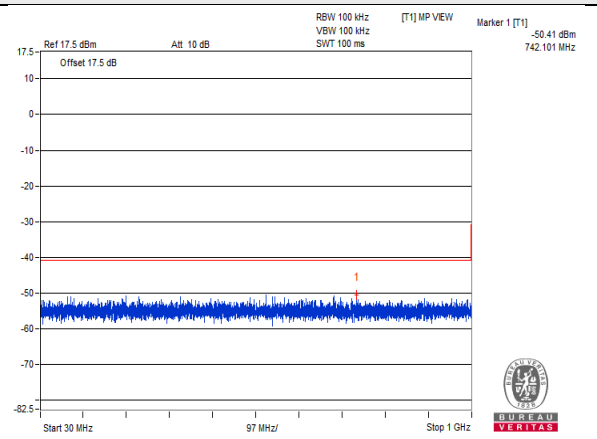
CH 140 (5700MHz)

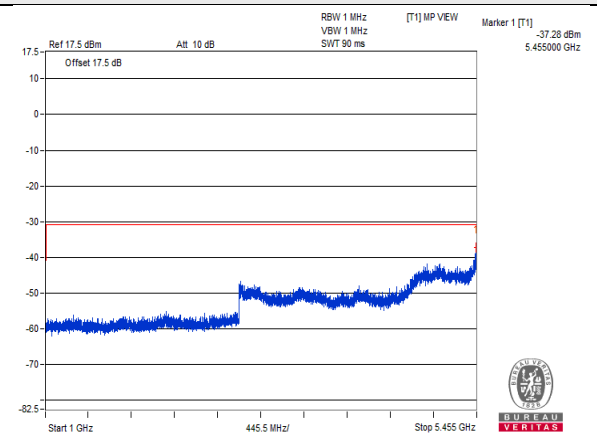
Chain 1

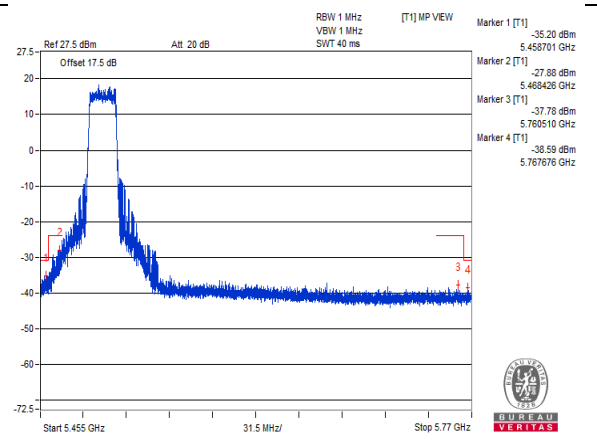
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	742.101	0.009099	0.083	Pass
	1000.0 to 5455.0	5455.000	0.187068	0.833	Pass
	5455.0 to 5460.0	5458.701	0.301995	0.833	Pass
	5460.0 to 5470.0	5468.426	1.629296	4.167	Pass
	5745.0 to 5765.0	5760.510	0.166725	4.167	Pass
	5765.0 to 5770.0	5767.676	0.138357	0.833	Pass
	5770.0 to 26000.0	25838.160	0.372392	0.833	Pass
Test Channel		**CH 120 (5600MHz)**			
V_{normal}	30.0 to 1000.0	603.270	0.010593	0.083	Pass
	1000.0 to 5455.0	5059.618	0.041879	0.833	Pass
	5455.0 to 5460.0	5455.551	0.149968	0.833	Pass
	5460.0 to 5470.0	5463.071	0.167109	4.167	Pass
	5745.0 to 5765.0	5763.188	0.163682	4.167	Pass
	5765.0 to 5770.0	5768.503	0.131522	0.833	Pass
	5770.0 to 26000.0	21994.460	0.399945	0.833	Pass
Test Channel		**CH 140 (5700MHz)**			
V_{normal}	30.0 to 1000.0	109.055	0.008279	0.083	Pass
	1000.0 to 5455.0	4925.411	0.042756	0.833	Pass
	5455.0 to 5460.0	5459.961	0.150314	0.833	Pass
	5460.0 to 5470.0	5469.411	0.165959	4.167	Pass
	5745.0 to 5765.0	5745.430	1.606941	4.167	Pass
	5765.0 to 5770.0	5765.668	0.256448	0.833	Pass
	5770.0 to 26000.0	22060.207	0.369828	0.833	Pass

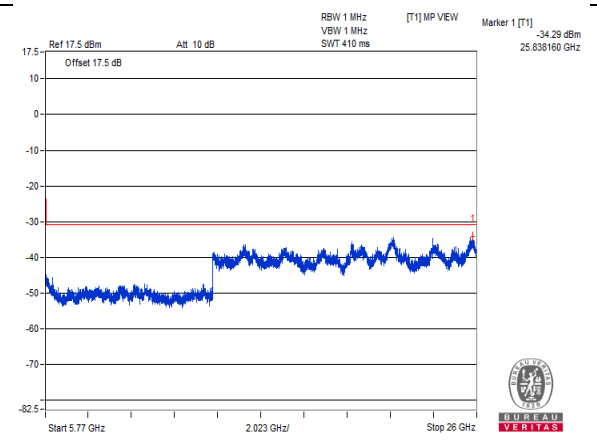
Note: The spectrum plots are attached on the following pages.

Vnormal



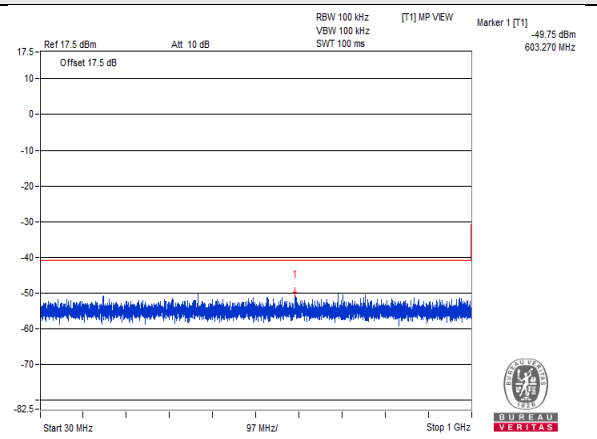


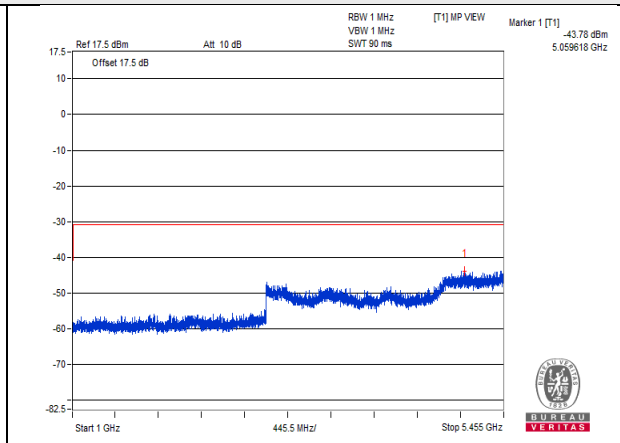


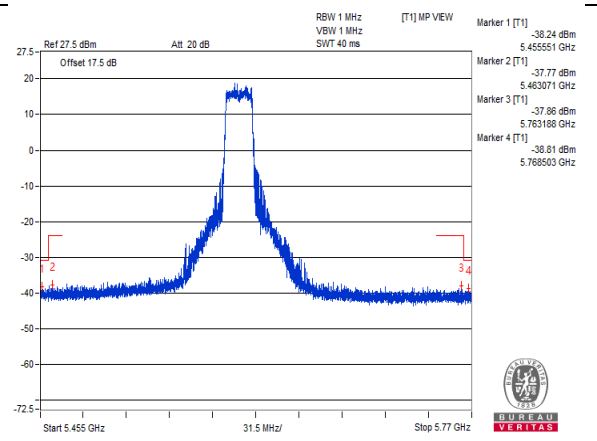


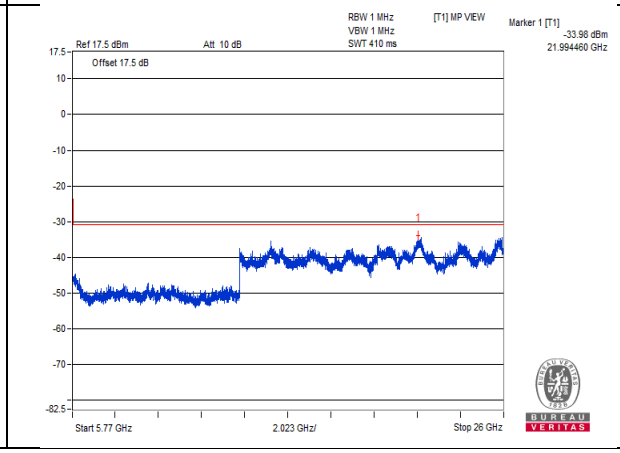
CH 100 (5500MHz)

Vnormal



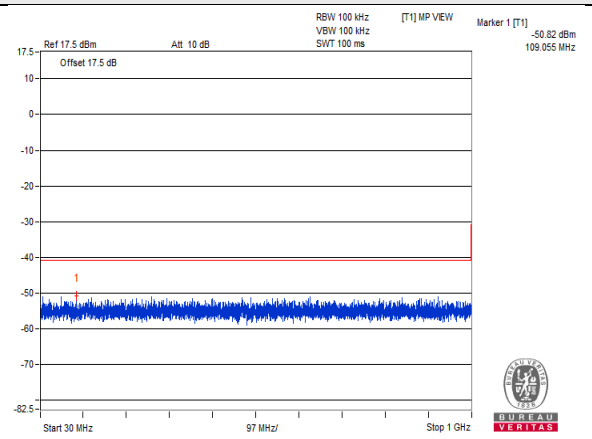


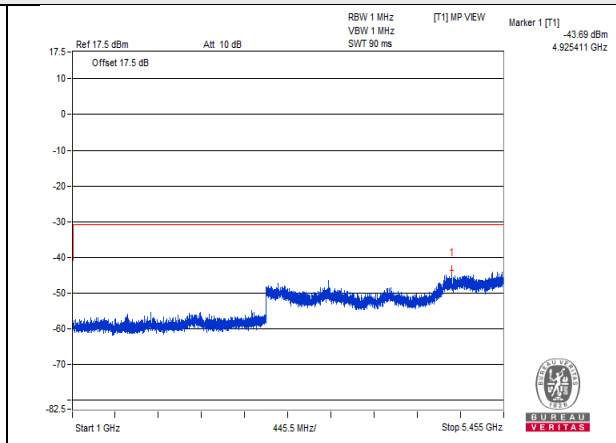


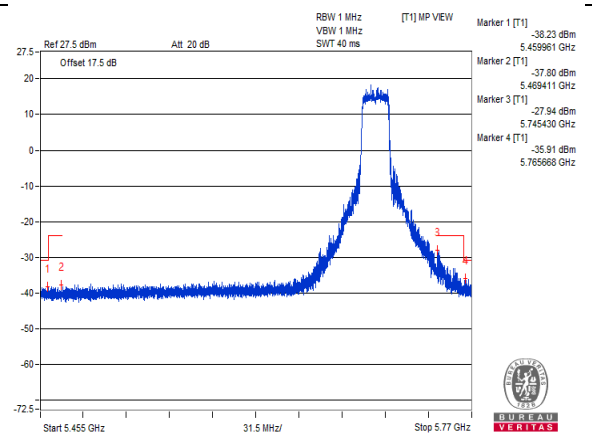


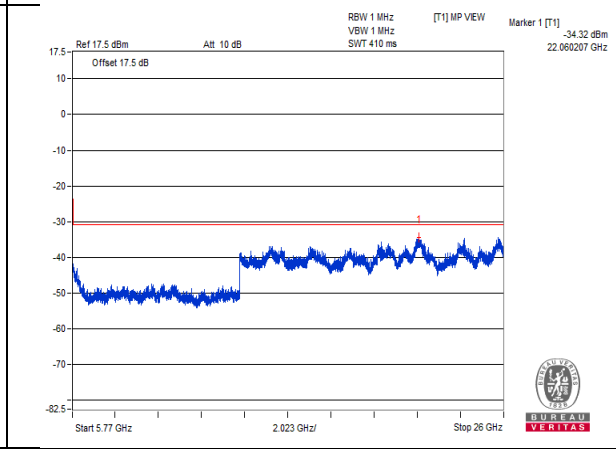
CH 120 (5600MHz)

Vnormal









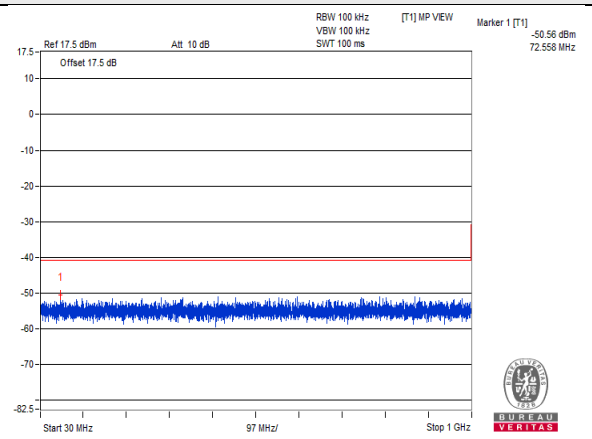
CH 140 (5700MHz)

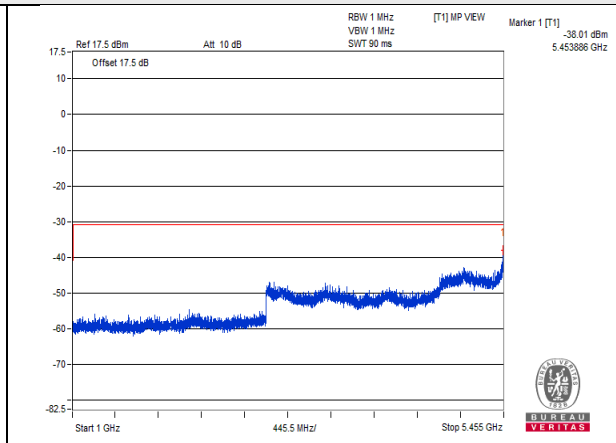
Chain 2

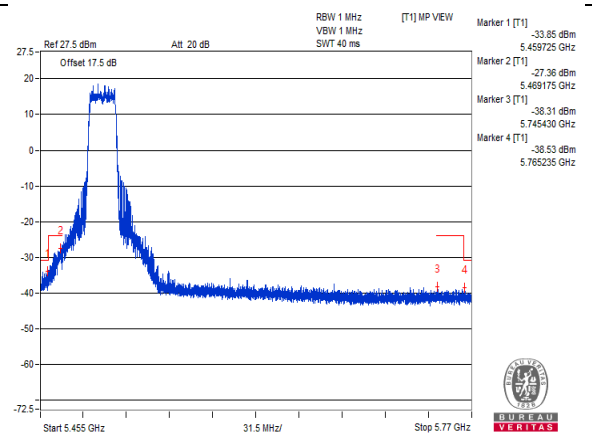
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	72.558	0.008790	0.083	Pass
	1000.0 to 5455.0	5453.886	0.158125	0.833	Pass
	5455.0 to 5460.0	5459.725	0.412098	0.833	Pass
	5460.0 to 5470.0	5469.175	1.836538	4.167	Pass
	5745.0 to 5765.0	5745.430	0.147571	4.167	Pass
	5765.0 to 5770.0	5765.235	0.140281	0.833	Pass
	5770.0 to 26000.0	25787.585	0.500035	0.833	Pass
Test Channel		**CH 120 (5600MHz)**			
V_{normal}	30.0 to 1000.0	340.400	0.009247	0.083	Pass
	1000.0 to 5455.0	5439.407	0.037154	0.833	Pass
	5455.0 to 5460.0	5459.921	0.147571	0.833	Pass
	5460.0 to 5470.0	5460.355	0.151356	4.167	Pass
	5745.0 to 5765.0	5757.360	0.139959	4.167	Pass
	5765.0 to 5770.0	5765.865	0.120504	0.833	Pass
	5770.0 to 26000.0	25820.458	0.435512	0.833	Pass
Test Channel		**CH 140 (5700MHz)**			
V_{normal}	30.0 to 1000.0	706.453	0.008995	0.083	Pass
	1000.0 to 5455.0	5403.210	0.027164	0.833	Pass
	5455.0 to 5460.0	5458.425	0.142233	0.833	Pass
	5460.0 to 5470.0	5469.175	0.130918	4.167	Pass
	5745.0 to 5765.0	5745.075	1.202264	4.167	Pass
	5765.0 to 5770.0	5766.062	0.199986	0.833	Pass
	5770.0 to 26000.0	22115.840	0.411150	0.833	Pass

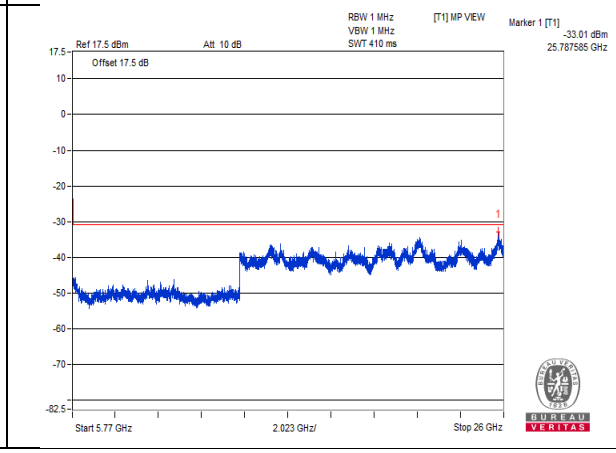
Note: The spectrum plots are attached on the following pages.

Vnormal



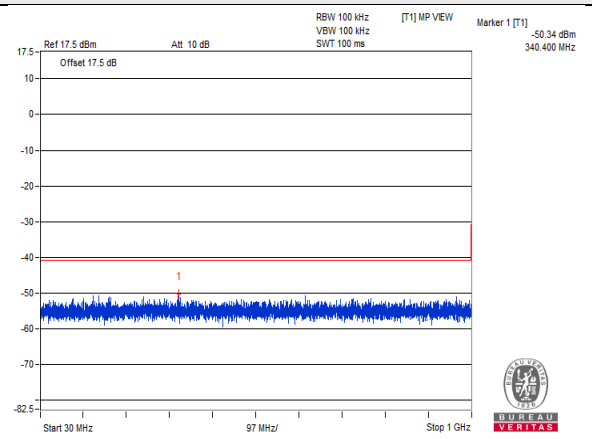


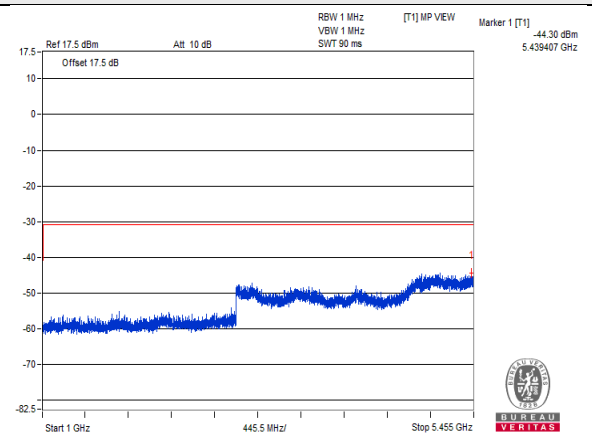


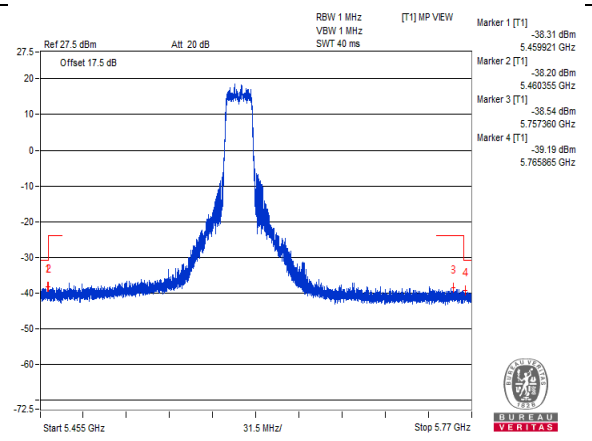


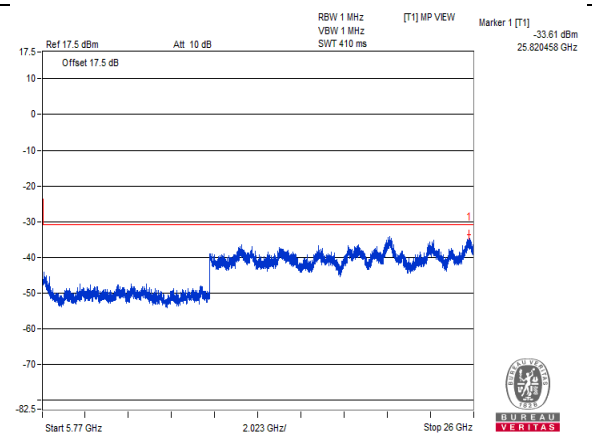
CH 100 (5500MHz)

Vnormal



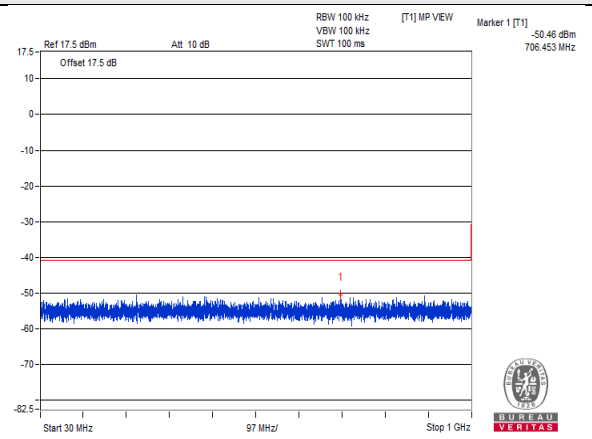


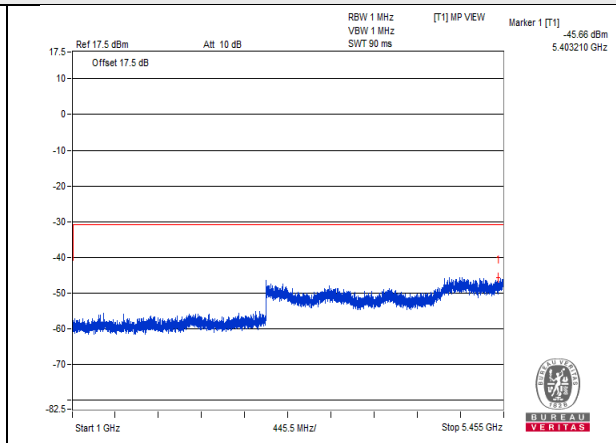


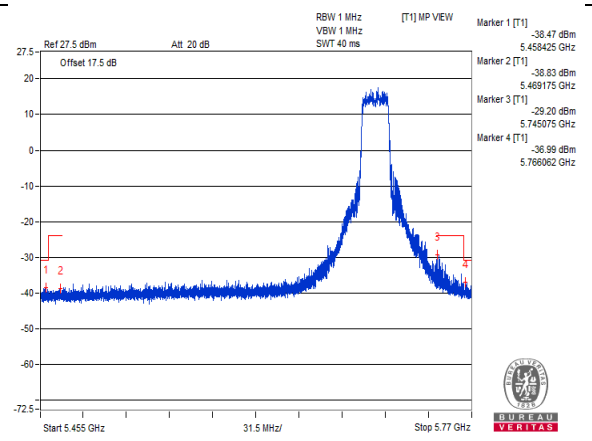


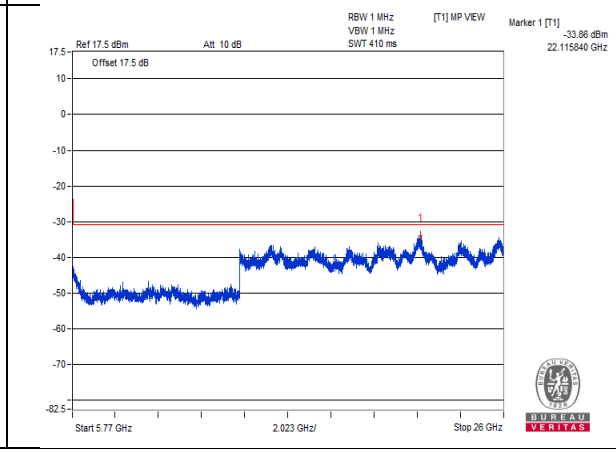
CH 120 (5600MHz)

Vnormal









CH 140 (5700MHz)

[Worst result] x [Number of antenna ports]

Test Channel		CH 100 (5500MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.027297	0.249	Pass
	1000.0 to 5455.0	0.849417	2.499	Pass
	5455.0 to 5460.0	2.291508	2.499	Pass
	5460.0 to 5470.0	7.764639	12.501	Pass
	5745.0 to 5765.0	0.500175	12.501	Pass
	5765.0 to 5770.0	0.420843	2.499	Pass
	5770.0 to 26000.0	1.500105	2.499	Pass
Test Channel		**CH 120 (5600MHz)**		
V_{normal}	30.0 to 1000.0	0.031779	0.249	Pass
	1000.0 to 5455.0	0.139035	2.499	Pass
	5455.0 to 5460.0	0.449904	2.499	Pass
	5460.0 to 5470.0	0.511824	12.501	Pass
	5745.0 to 5765.0	0.514188	12.501	Pass
	5765.0 to 5770.0	0.409374	2.499	Pass
	5770.0 to 26000.0	1.306536	2.499	Pass
Test Channel		**CH 140 (5700MHz)**		
V_{normal}	30.0 to 1000.0	0.027549	0.249	Pass
	1000.0 to 5455.0	0.128268	2.499	Pass
	5455.0 to 5460.0	0.450942	2.499	Pass
	5460.0 to 5470.0	0.497877	12.501	Pass
	5745.0 to 5765.0	4.820823	12.501	Pass
	5765.0 to 5770.0	0.769344	2.499	Pass
	5770.0 to 26000.0	1.233450	2.499	Pass

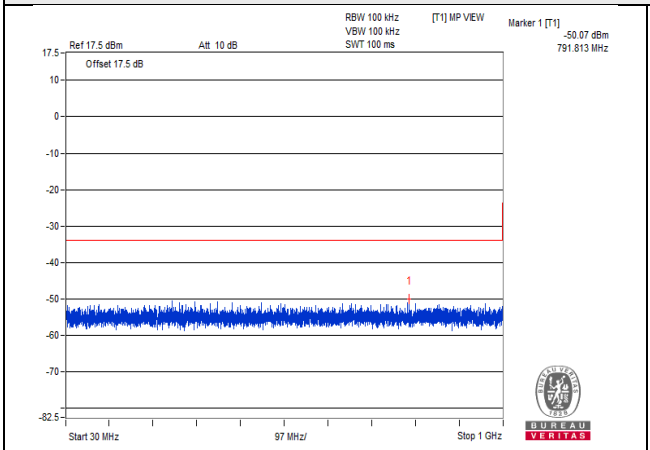
Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

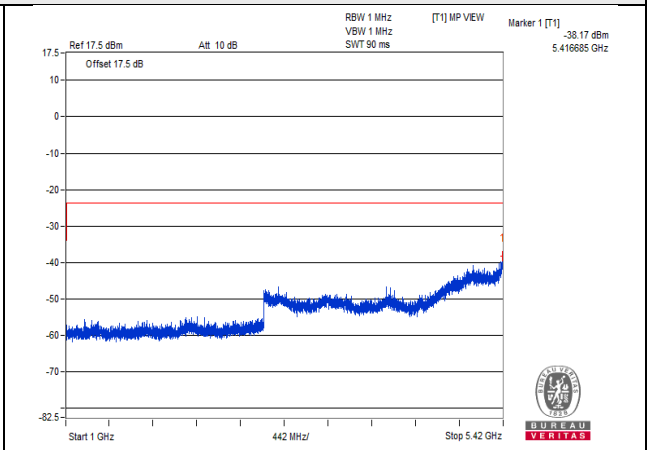
W56 Band:
802.11ax (HE40)
Chain 0

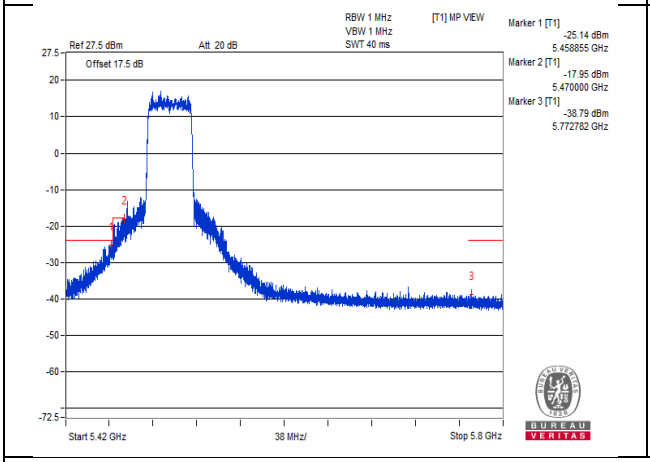
Test Channel		CH 102 (5510MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	791.813	0.009840	0.417	Pass
	1000.0 to 5420.0	5416.685	0.152405	4.167	Pass
	5420.0 to 5460.0	5458.855	3.061963	4.167	Pass
	5460.0 to 5470.0	5470.000	16.032454	16.667	Pass
	5770.0 to 5800.0	5772.782	0.132130	4.167	Pass
	5800.0 to 26000.0	22058.475	0.501187	4.167	Pass
Test Channel		**CH 118 (5590MHz)**			
V_{normal}	30.0 to 1000.0	342.582	0.009506	0.417	Pass
	1000.0 to 5420.0	5218.890	0.053580	4.167	Pass
	5420.0 to 5460.0	5446.647	0.226464	4.167	Pass
	5460.0 to 5470.0	5461.182	0.249459	16.667	Pass
	5770.0 to 5800.0	5792.590	0.140605	4.167	Pass
	5800.0 to 26000.0	22131.700	0.476431	4.167	Pass
Test Channel		**CH 134 (5670MHz)**			
V_{normal}	30.0 to 1000.0	862.381	0.008492	0.417	Pass
	1000.0 to 5420.0	5352.042	0.043451	4.167	Pass
	5420.0 to 5460.0	5433.965	0.221820	4.167	Pass
	5460.0 to 5470.0	5468.212	0.237684	16.667	Pass
	5770.0 to 5800.0	5773.115	0.207491	4.167	Pass
	5800.0 to 26000.0	25805.575	0.483059	4.167	Pass

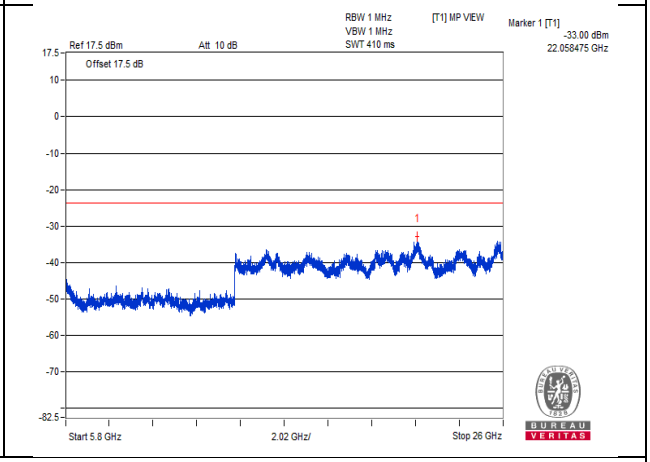
Note: The spectrum plots are attached on the following pages.

Vnormal



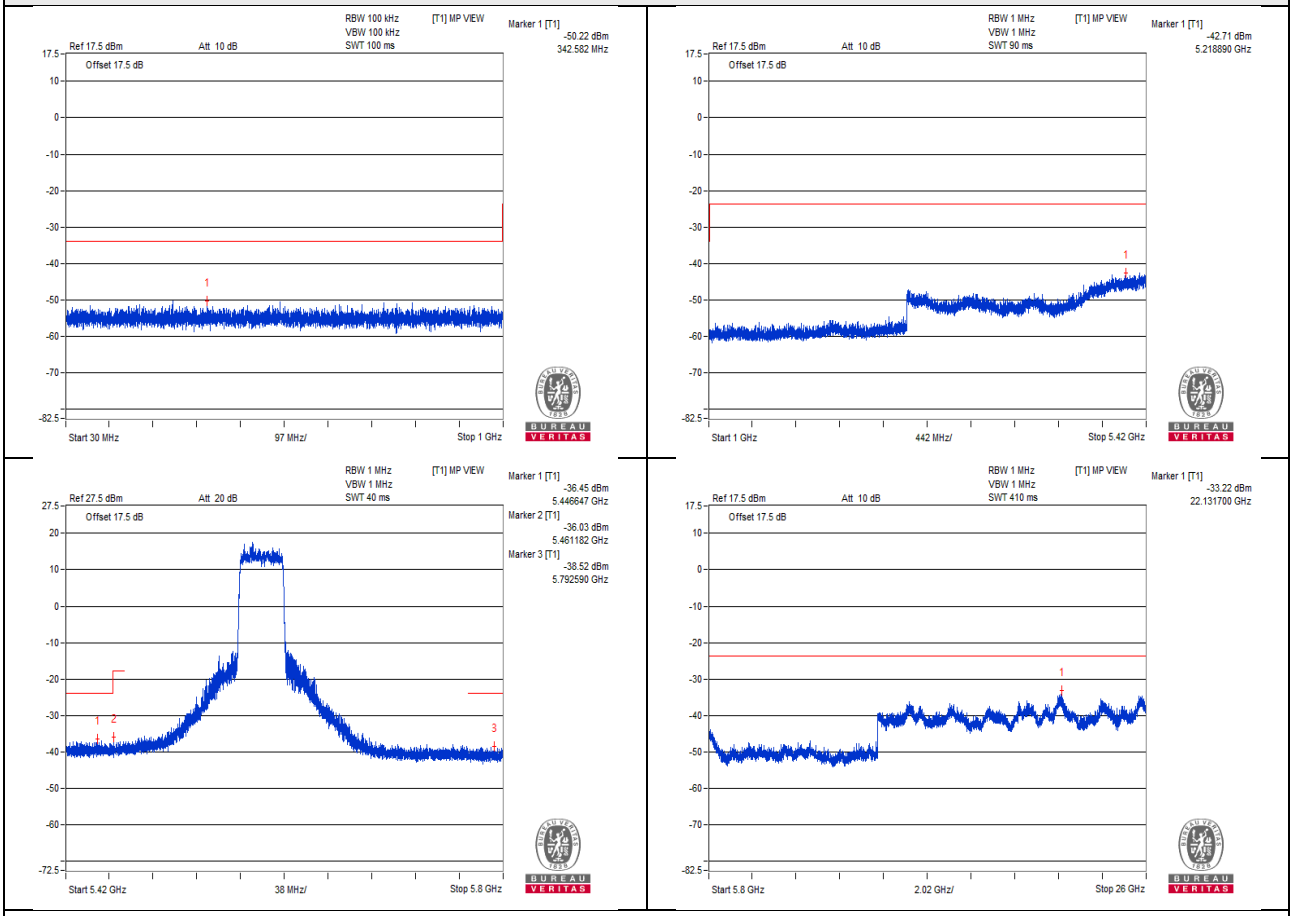






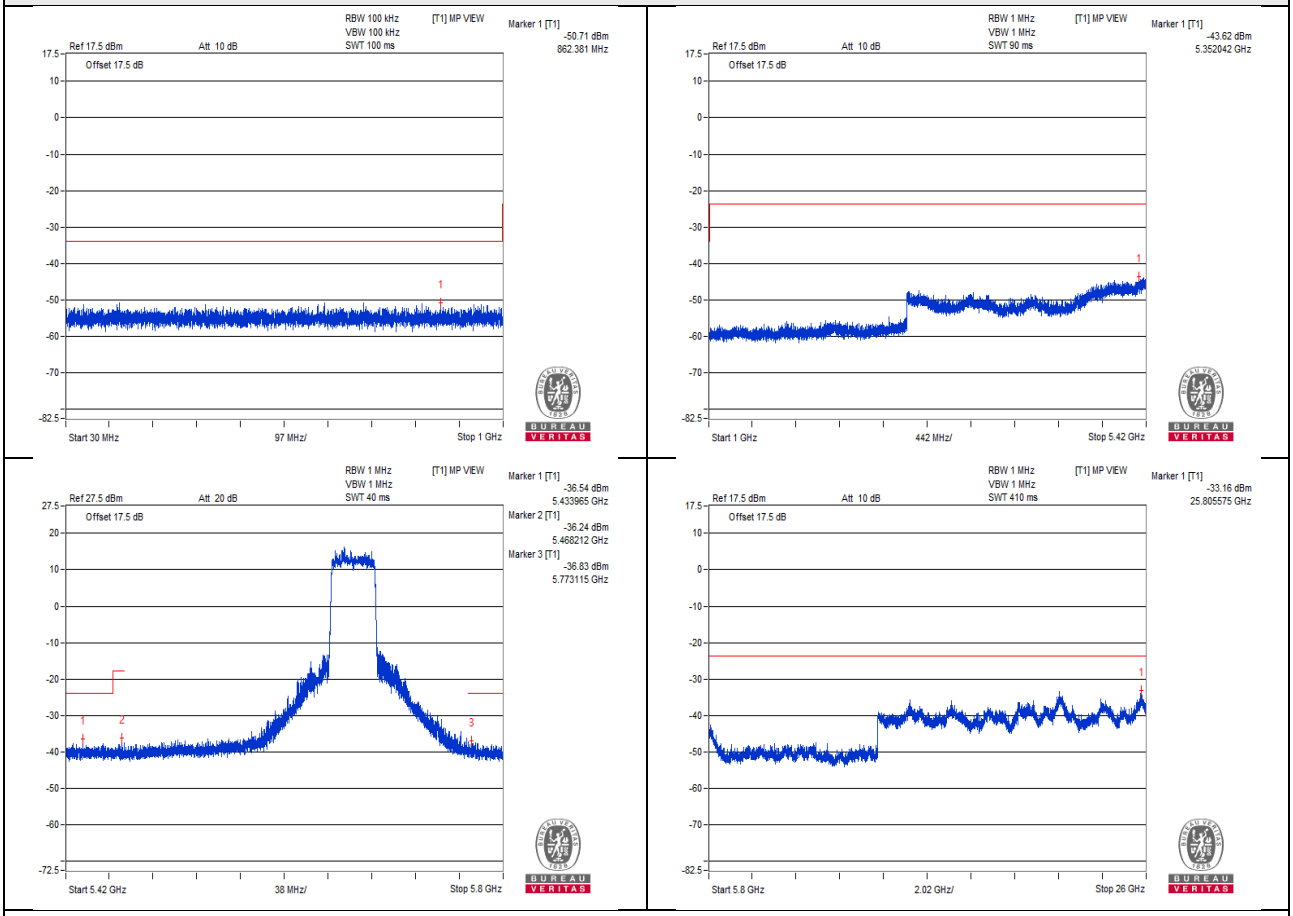
CH 102 (5510MHz)

Vnormal



CH 118 (5590MHz)

Vnormal



CH 134 (5670MHz)

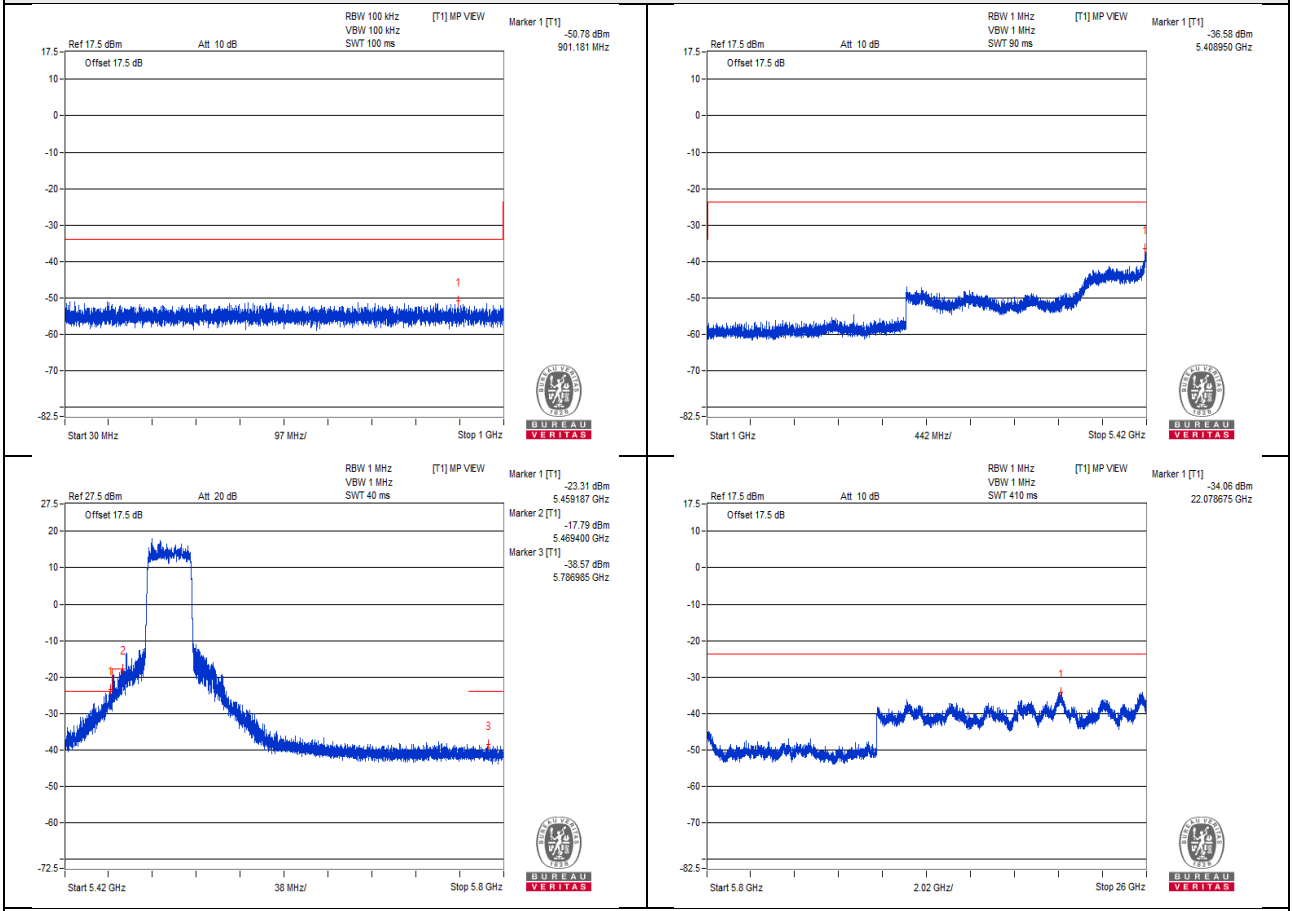
Chain 1

Test Channel		CH 102 (5510MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	901.181	0.008356	0.417	Pass
	1000.0 to 5420.0	5408.950	0.219786	4.167	Pass
	5420.0 to 5460.0	5459.187	0.219958	4.167	Pass(1)
	5460.0 to 5470.0	5469.400	16.634127	16.667	Pass
	5770.0 to 5800.0	5786.985	0.138995	4.167	Pass
	5800.0 to 26000.0	22078.675	0.392645	4.167	Pass
Test Channel		**CH 118 (5590MHz)**			
V_{normal}	30.0 to 1000.0	166.527	0.009120	0.417	Pass
	1000.0 to 5420.0	5406.187	0.062373	4.167	Pass
	5420.0 to 5460.0	5431.780	0.224905	4.167	Pass
	5460.0 to 5470.0	5469.352	0.243781	16.667	Pass
	5770.0 to 5800.0	5783.042	0.159588	4.167	Pass
	5800.0 to 26000.0	25815.675	0.473151	4.167	Pass
Test Channel		**CH 134 (5670MHz)**			
V_{normal}	30.0 to 1000.0	193.808	0.008570	0.417	Pass
	1000.0 to 5420.0	5392.927	0.047753	4.167	Pass
	5420.0 to 5460.0	5438.097	0.169044	4.167	Pass
	5460.0 to 5470.0	5468.022	0.167494	16.667	Pass
	5770.0 to 5800.0	5770.000	0.303389	4.167	Pass
	5800.0 to 26000.0	25883.850	0.405509	4.167	Pass

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

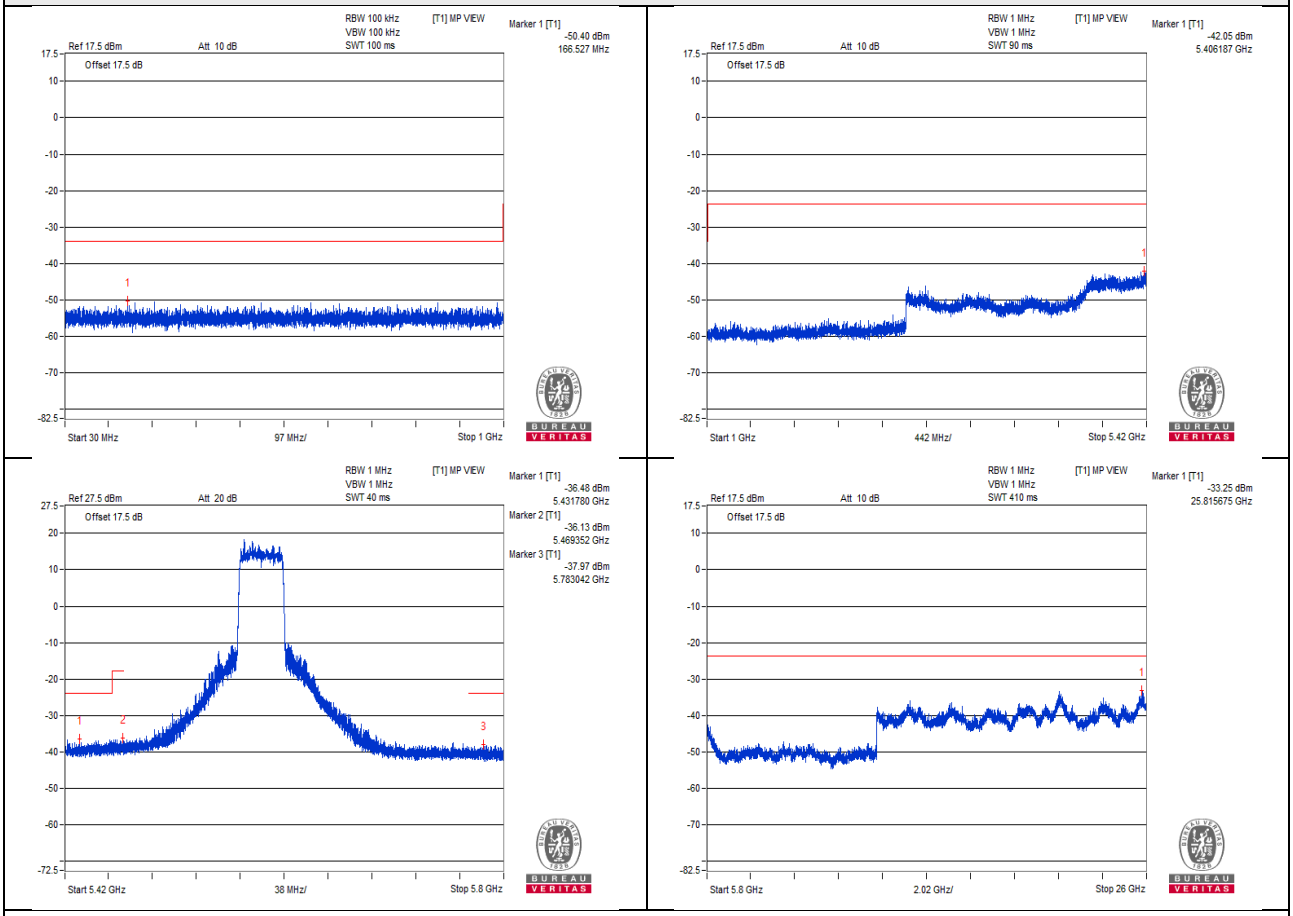
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



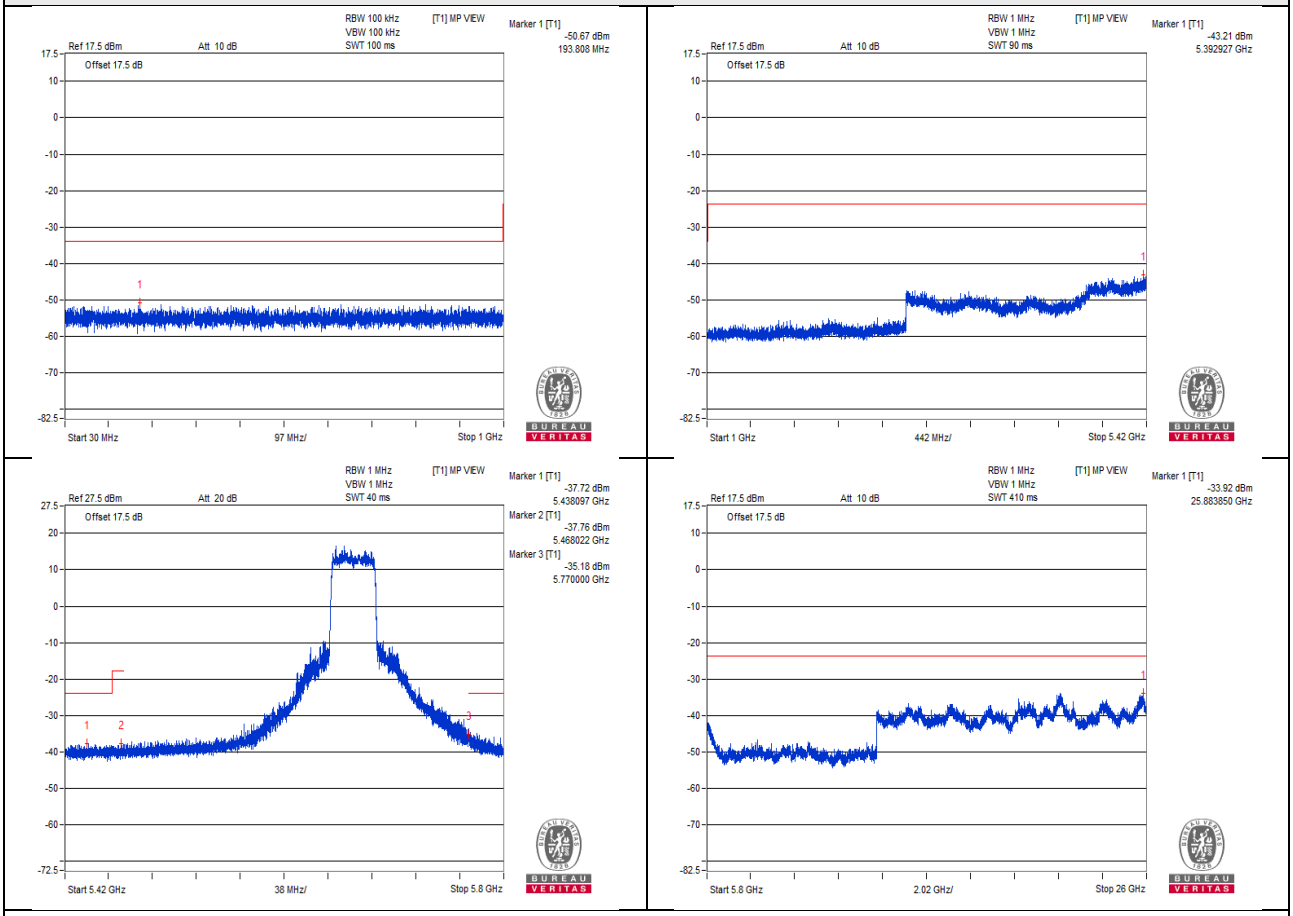
CH 102 (5510MHz)

Vnormal

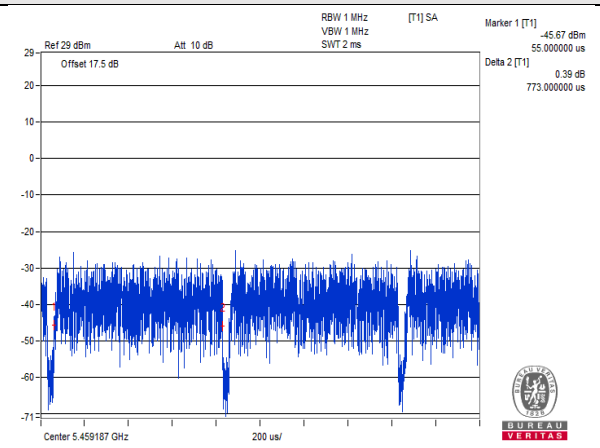


CH 118 (5590MHz)

Vnormal



CH 134 (5670MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5459.187MHz	P = 0.219958uW			

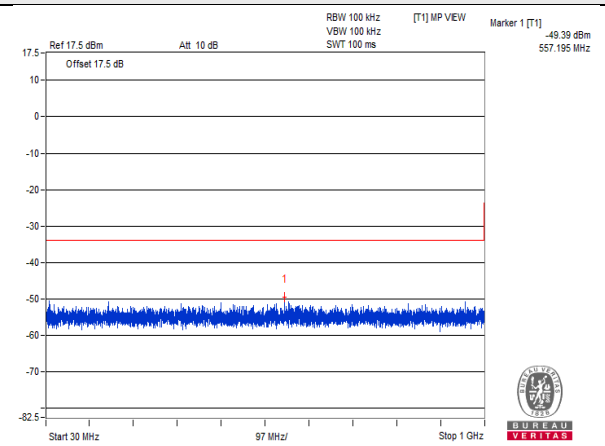
Chain 2

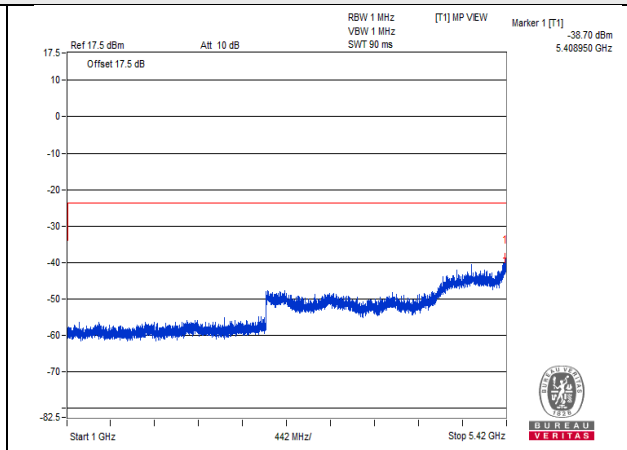
Test Channel		CH 102 (5510MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	557.195	0.011508	0.417	Pass
	1000.0 to 5420.0	5408.950	0.134896	4.167	Pass
	5420.0 to 5460.0	5459.377	0.152464	4.167	Pass(1)
	5460.0 to 5470.0	5468.640	0.290380	16.667	Pass(2)
	5770.0 to 5800.0	5779.622	0.145881	4.167	Pass
	5800.0 to 26000.0	25828.300	0.361410	4.167	Pass
Test Channel		**CH 118 (5590MHz)**			
V_{normal}	30.0 to 1000.0	745.981	0.008318	0.417	Pass
	1000.0 to 5420.0	5397.347	0.059841	4.167	Pass
	5420.0 to 5460.0	5451.777	0.224388	4.167	Pass
	5460.0 to 5470.0	5465.077	0.195884	16.667	Pass
	5770.0 to 5800.0	5782.567	0.167109	4.167	Pass
	5800.0 to 26000.0	25823.250	0.473151	4.167	Pass
Test Channel		**CH 134 (5670MHz)**			
V_{normal}	30.0 to 1000.0	707.423	0.008710	0.417	Pass
	1000.0 to 5420.0	5405.635	0.041305	4.167	Pass
	5420.0 to 5460.0	5426.080	0.190985	4.167	Pass
	5460.0 to 5470.0	5462.797	0.177828	16.667	Pass
	5770.0 to 5800.0	5771.832	0.409261	4.167	Pass
	5800.0 to 26000.0	22068.575	0.440555	4.167	Pass

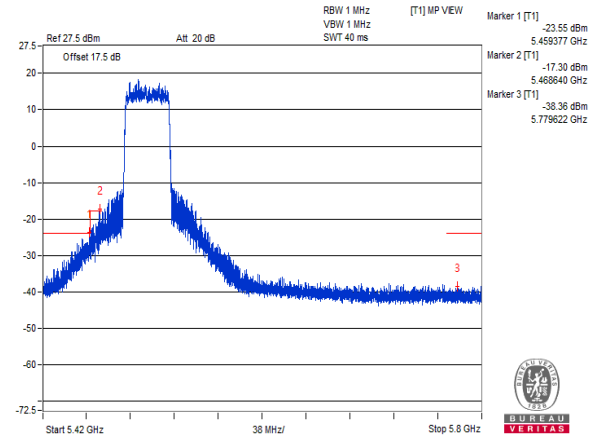
Note: 1. The spectrum plots are attached on the following pages.

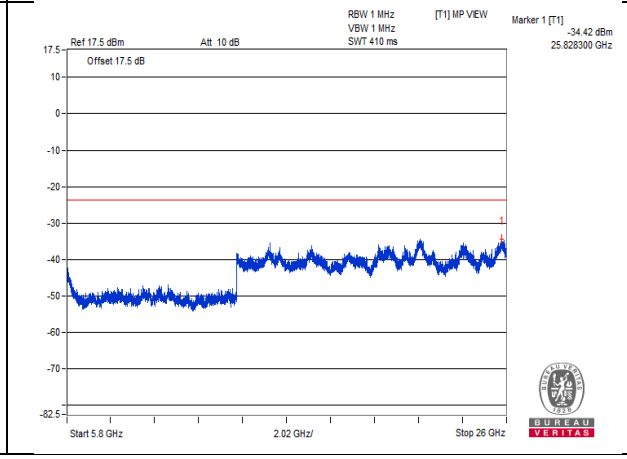
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



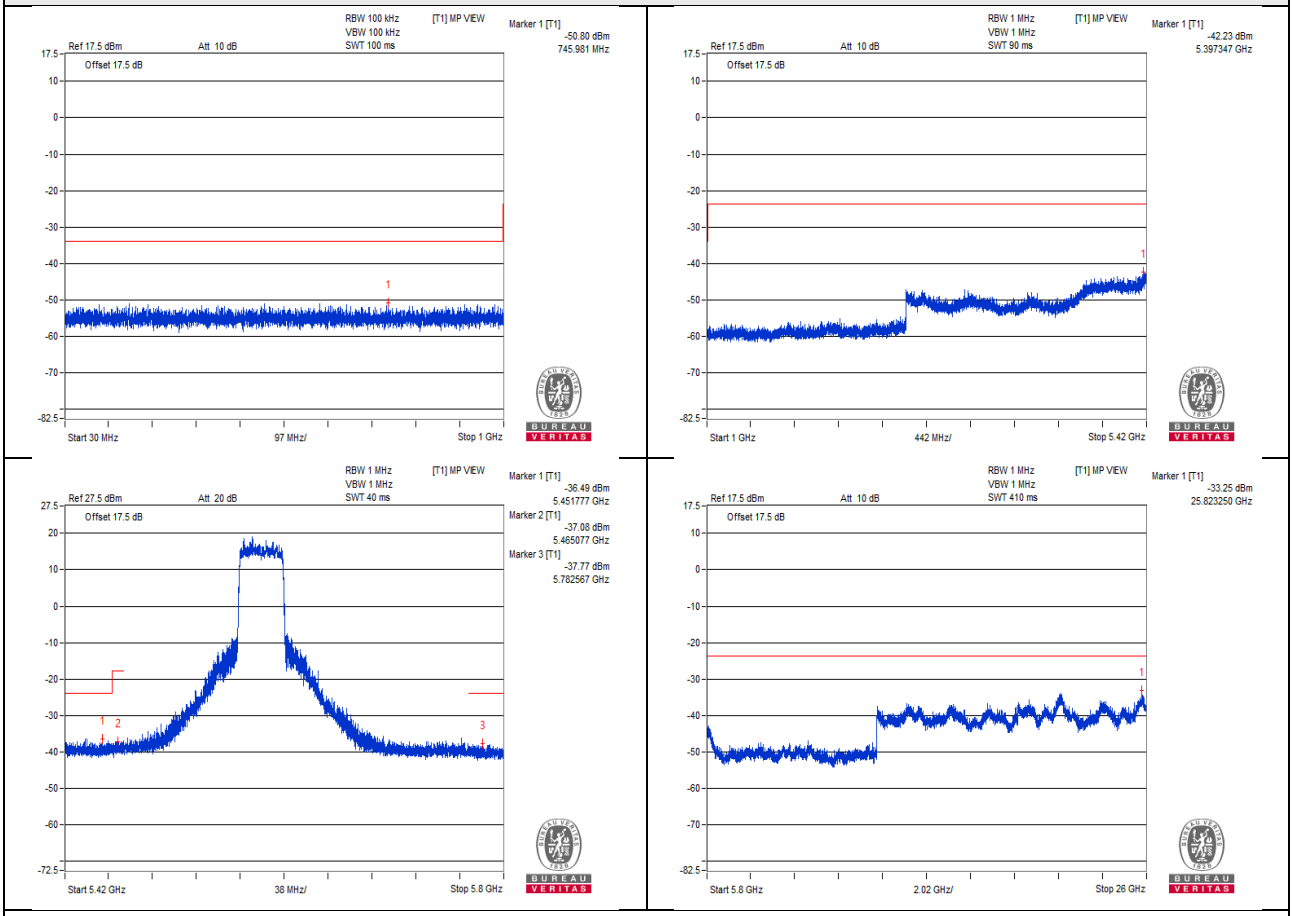






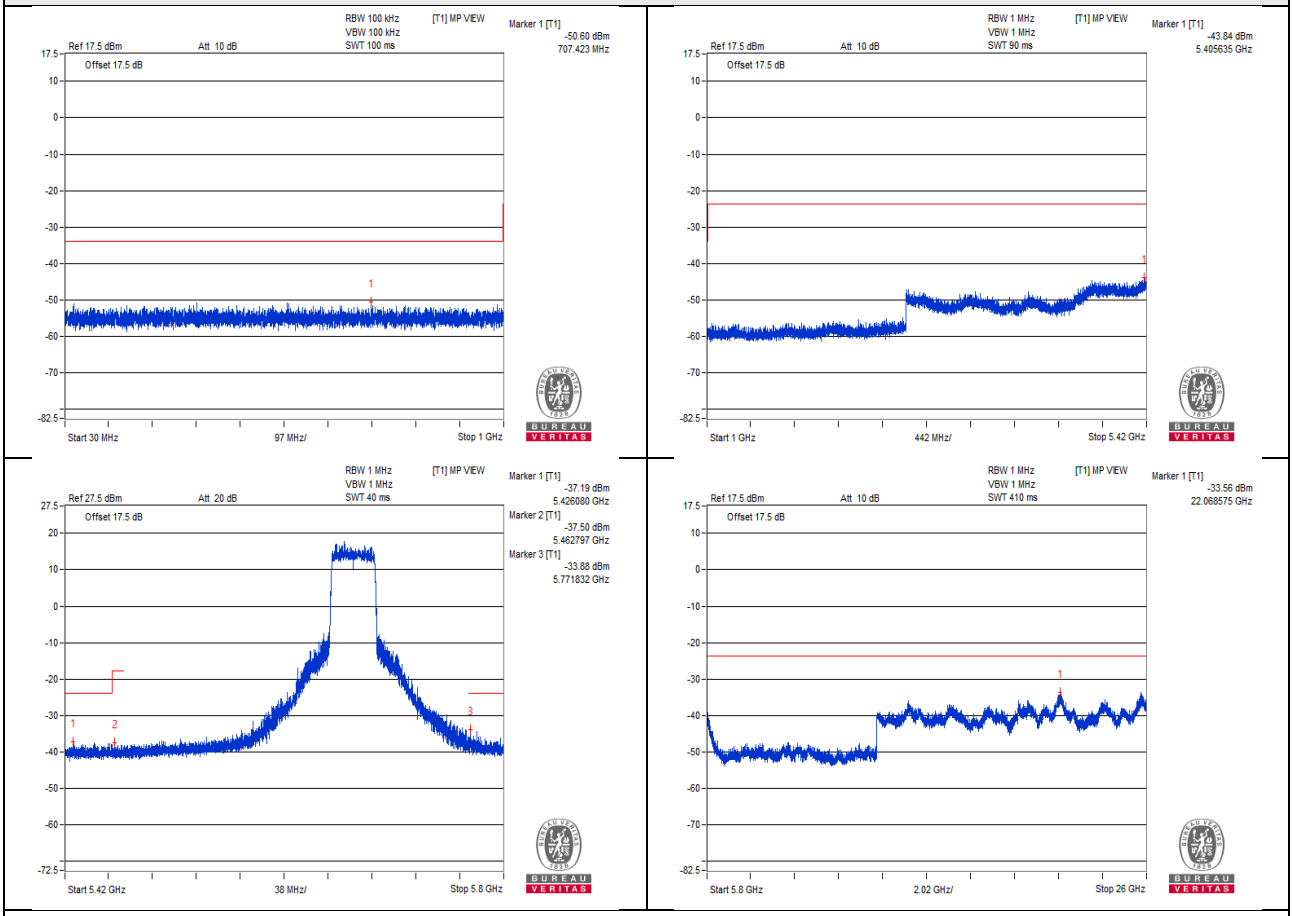
CH 102 (5510MHz)

Vnormal



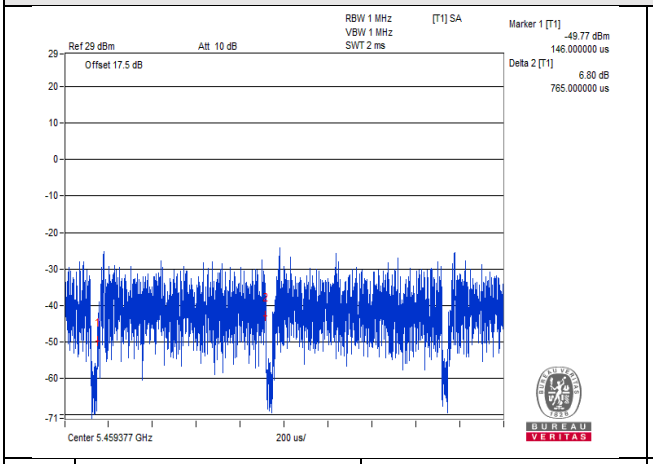
CH 118 (5590MHz)

Vnormal

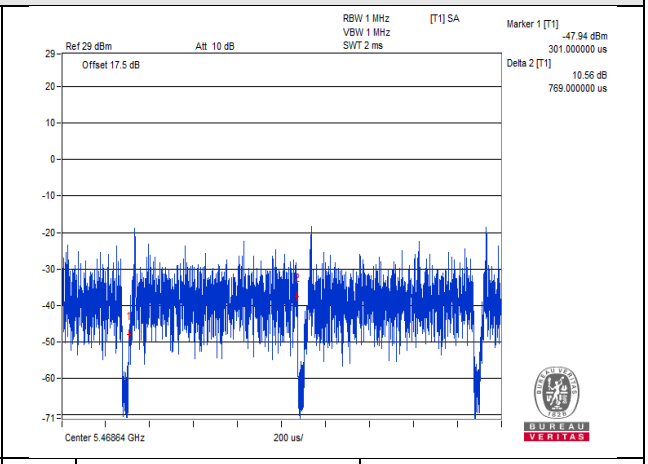


CH 134 (5670MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal



1	5459.377MHz	P = 0.152464uW	2	5468.640MHz	P = 0.29038uW



[Worst result] x [Number of antenna ports]

Test Channel		CH 102 (5510MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.034524	1.251	Pass
	1000.0 to 5420.0	0.659358	12.501	Pass
	5420.0 to 5460.0	9.185889	12.501	Pass
	5460.0 to 5470.0	49.902381	50.001	Pass
	5770.0 to 5800.0	0.437643	12.501	Pass
	5800.0 to 26000.0	1.503561	12.501	Pass
Test Channel		**CH 118 (5590MHz)**		
V_{normal}	30.0 to 1000.0	0.028518	1.251	Pass
	1000.0 to 5420.0	0.187119	12.501	Pass
	5420.0 to 5460.0	0.679392	12.501	Pass
	5460.0 to 5470.0	0.748377	50.001	Pass
	5770.0 to 5800.0	0.501327	12.501	Pass
	5800.0 to 26000.0	1.429293	12.501	Pass
Test Channel		**CH 134 (5670MHz)**		
V_{normal}	30.0 to 1000.0	0.026130	1.251	Pass
	1000.0 to 5420.0	0.143259	12.501	Pass
	5420.0 to 5460.0	0.665460	12.501	Pass
	5460.0 to 5470.0	0.713052	50.001	Pass
	5770.0 to 5800.0	1.227783	12.501	Pass
	5800.0 to 26000.0	1.449177	12.501	Pass

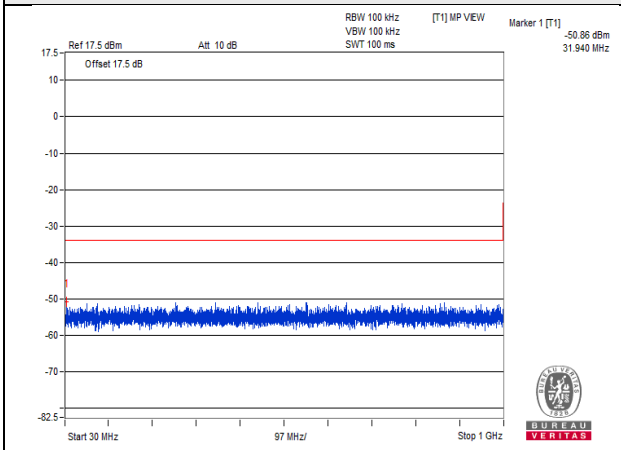
Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

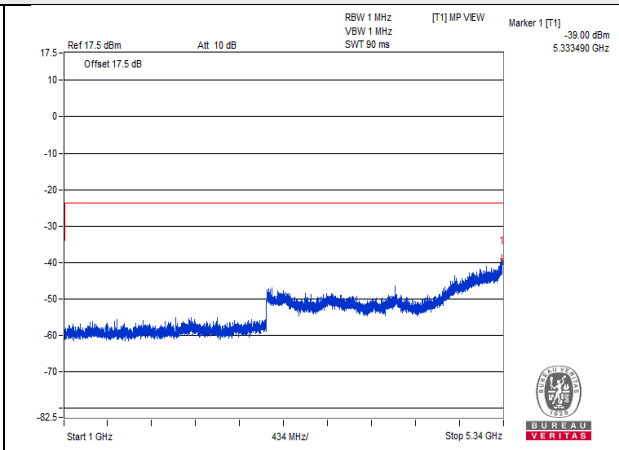
W56 Band:
802.11ax (HE80)
Chain 0

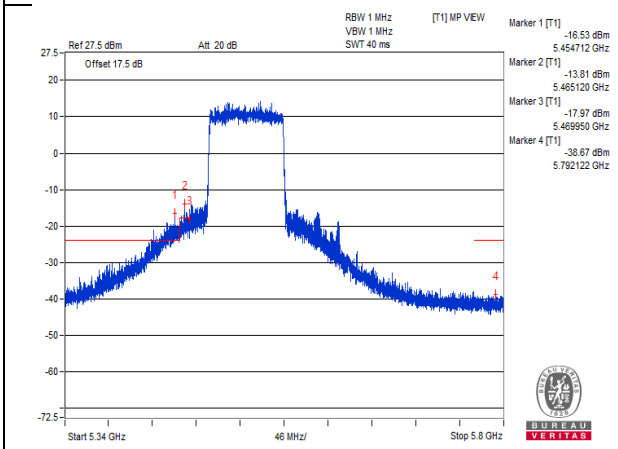
Test Channel		CH 106 (5530MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	31.940	0.008204	0.417	Pass
	1000.0 to 5340.0	5333.490	0.125893	4.167	Pass
	5340.0 to 5460.0	5454.712	0.743564	4.167	Pass(1)
	5460.0 to 5469.5	5465.120	1.309603	16.667	Pass(2)
	5469.5 to 5470.0	5469.950	15.958791	17.067	Pass
	5770.0 to 5800.0	5792.122	0.135831	4.167	Pass
	5800.0 to 26000.0	22144.325	0.368978	4.167	Pass
Test Channel		**CH 122 (5610MHz)**			
V_{normal}	30.0 to 1000.0	440.916	0.009141	0.417	Pass
	1000.0 to 5340.0	5151.210	0.057148	4.167	Pass
	5340.0 to 5460.0	5455.862	0.426580	4.167	Pass
	5460.0 to 5469.5	5462.877	1.016249	16.667	Pass
	5469.5 to 5470.0	5469.777	0.423643	17.067	Pass
	5770.0 to 5800.0	5786.430	0.433511	4.167	Pass
	5800.0 to 26000.0	22050.900	0.419759	4.167	Pass

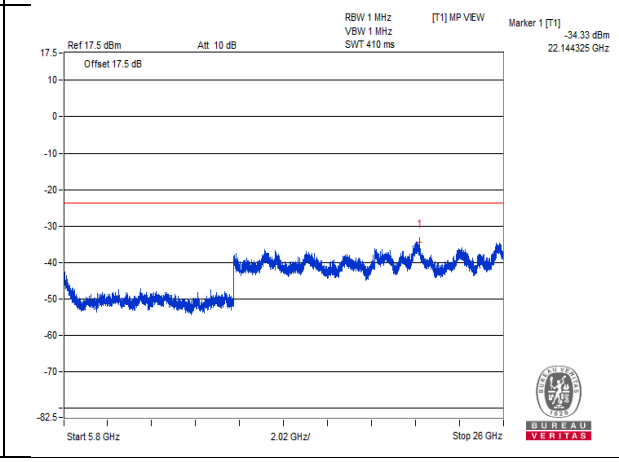
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



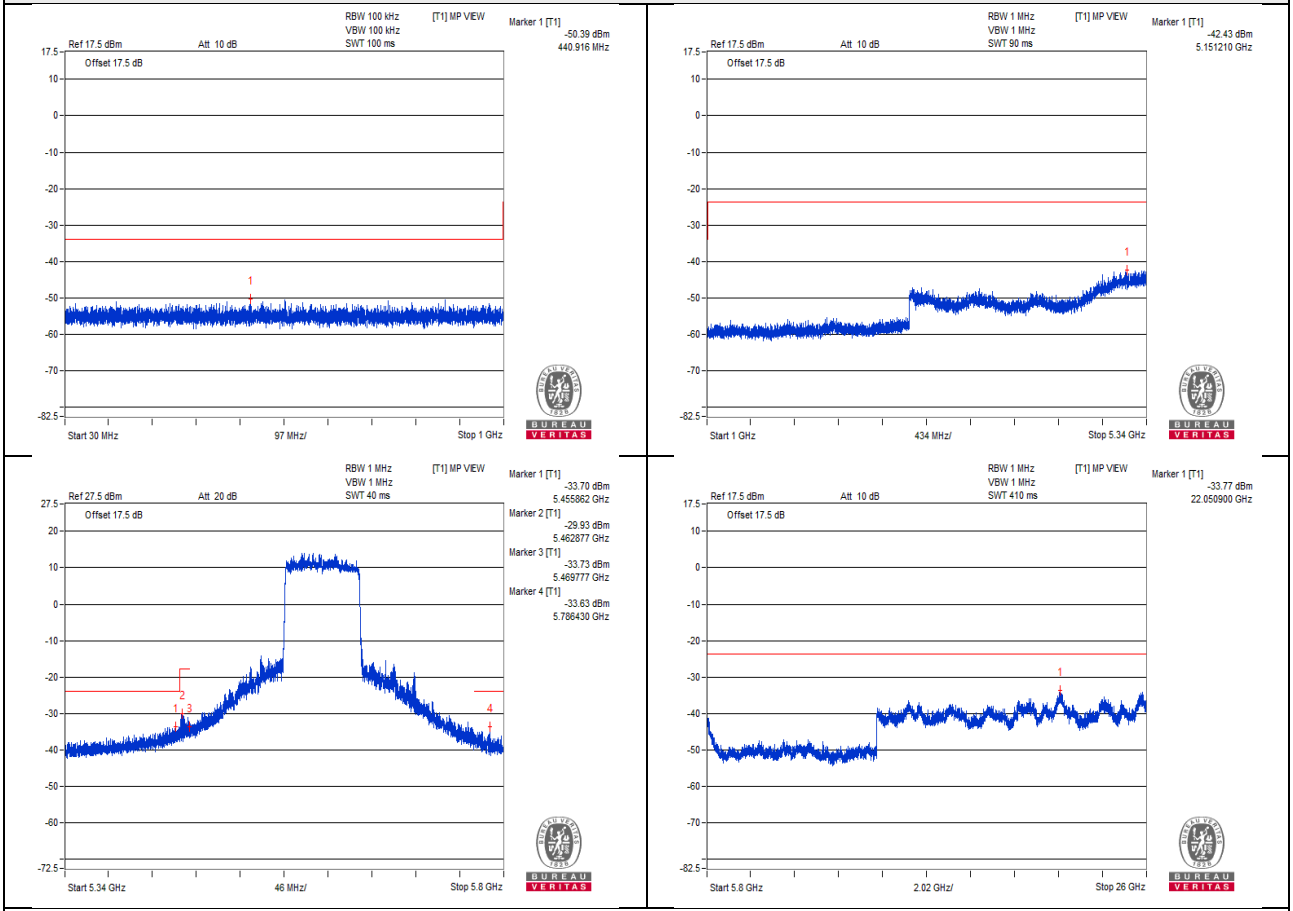






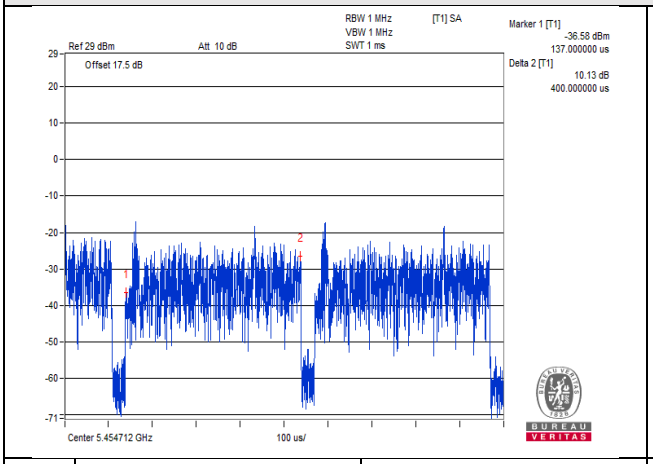
CH 106 (5530MHz)

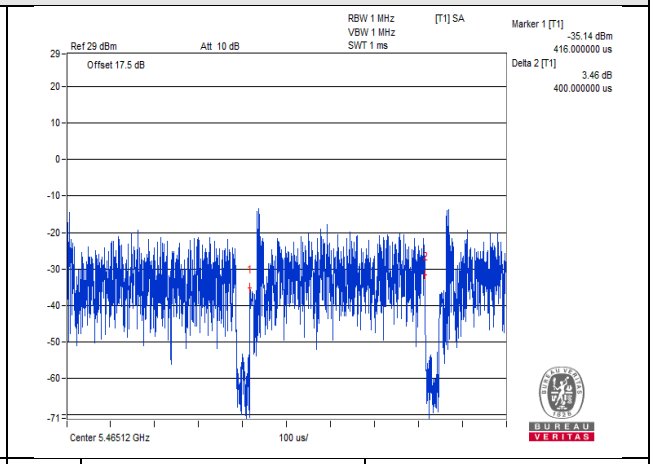
Vnormal



CH 122 (5610MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





1	5454.712MHz	P = 0.743564uW	2	5465.120MHz	P = 1.309603uW

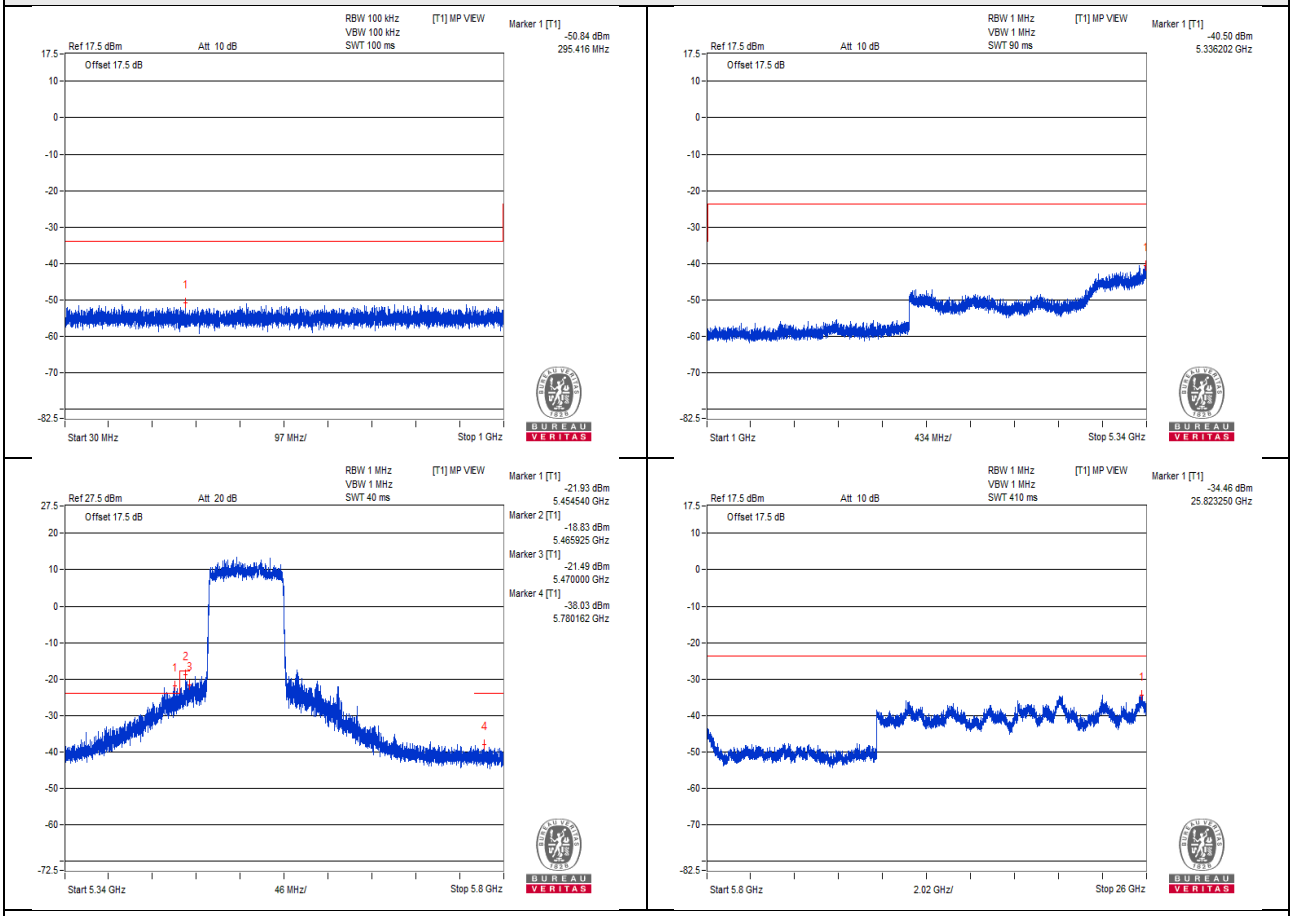
Chain 1

Test Channel		CH 106 (5530MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	295.416	0.008241	0.417	Pass
	1000.0 to 5340.0	5336.202	0.089125	4.167	Pass
	5340.0 to 5460.0	5454.540	0.305579	4.167	Pass(1)
	5460.0 to 5469.5	5465.925	13.091819	16.667	Pass
	5469.5 to 5470.0	5470.000	7.095778	17.067	Pass
	5770.0 to 5800.0	5780.162	0.157398	4.167	Pass
	5800.0 to 26000.0	25823.250	0.358096	4.167	Pass
Test Channel		**CH 122 (5610MHz)**			
V_{normal}	30.0 to 1000.0	592.963	0.009311	0.417	Pass
	1000.0 to 5340.0	5092.620	0.060534	4.167	Pass
	5340.0 to 5460.0	5454.885	0.639735	4.167	Pass
	5460.0 to 5469.5	5465.292	1.153453	16.667	Pass
	5469.5 to 5470.0	5469.720	0.559758	17.067	Pass
	5770.0 to 5800.0	5787.177	0.753356	4.167	Pass
	5800.0 to 26000.0	22050.900	0.371535	4.167	Pass

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

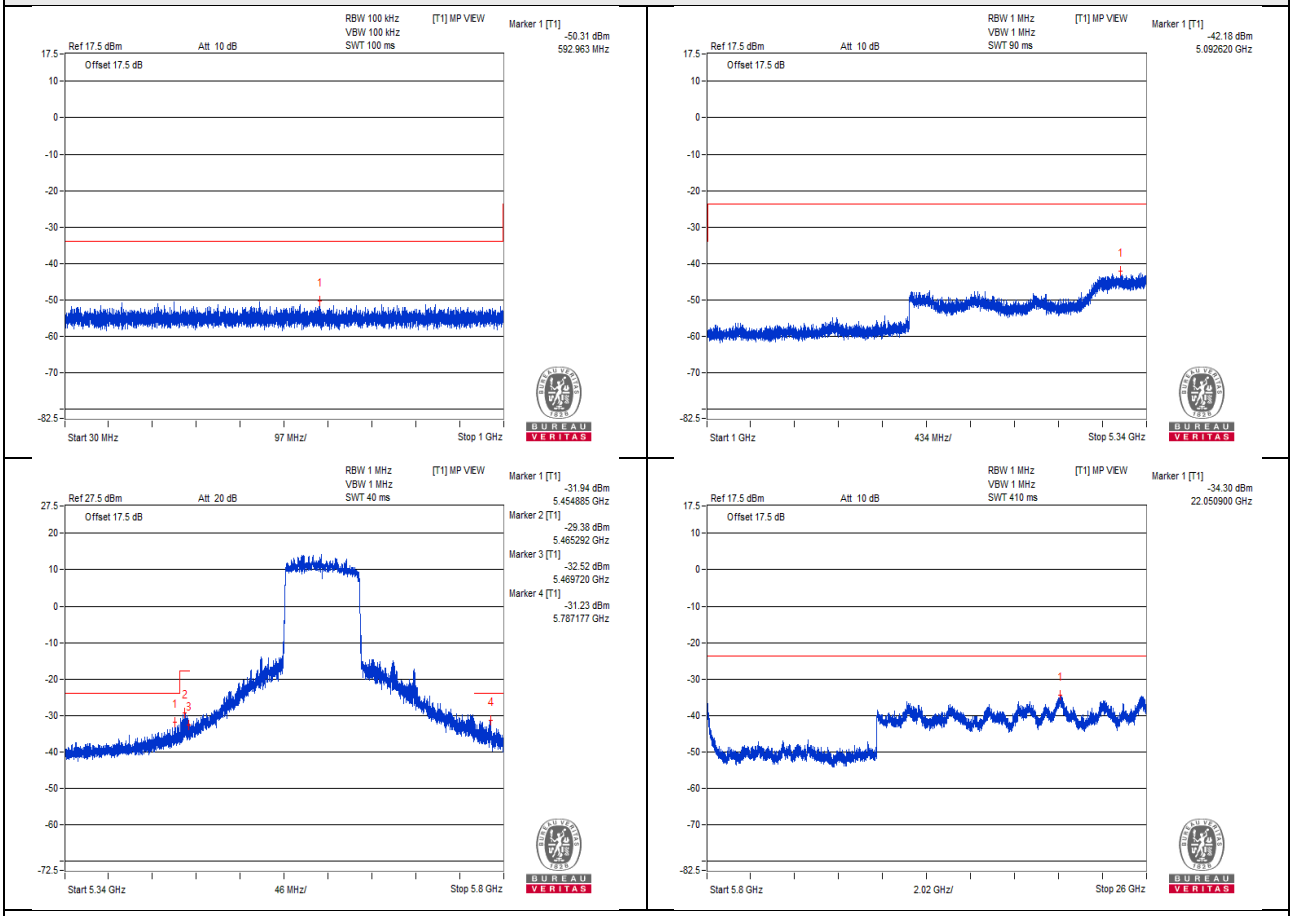
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal

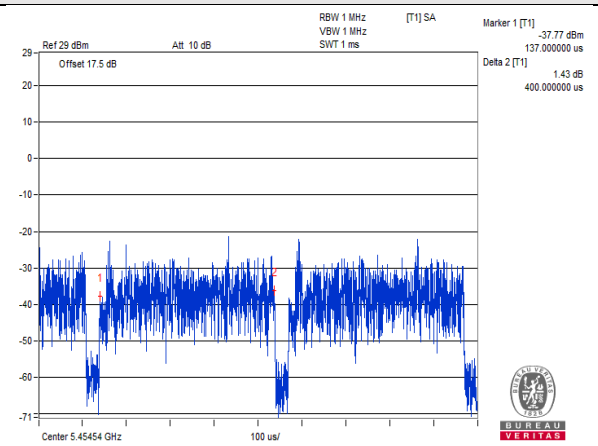


CH 106 (5530MHz)

Vnormal



CH 122 (5610MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5454.540MHz	P = 0.305579uW			

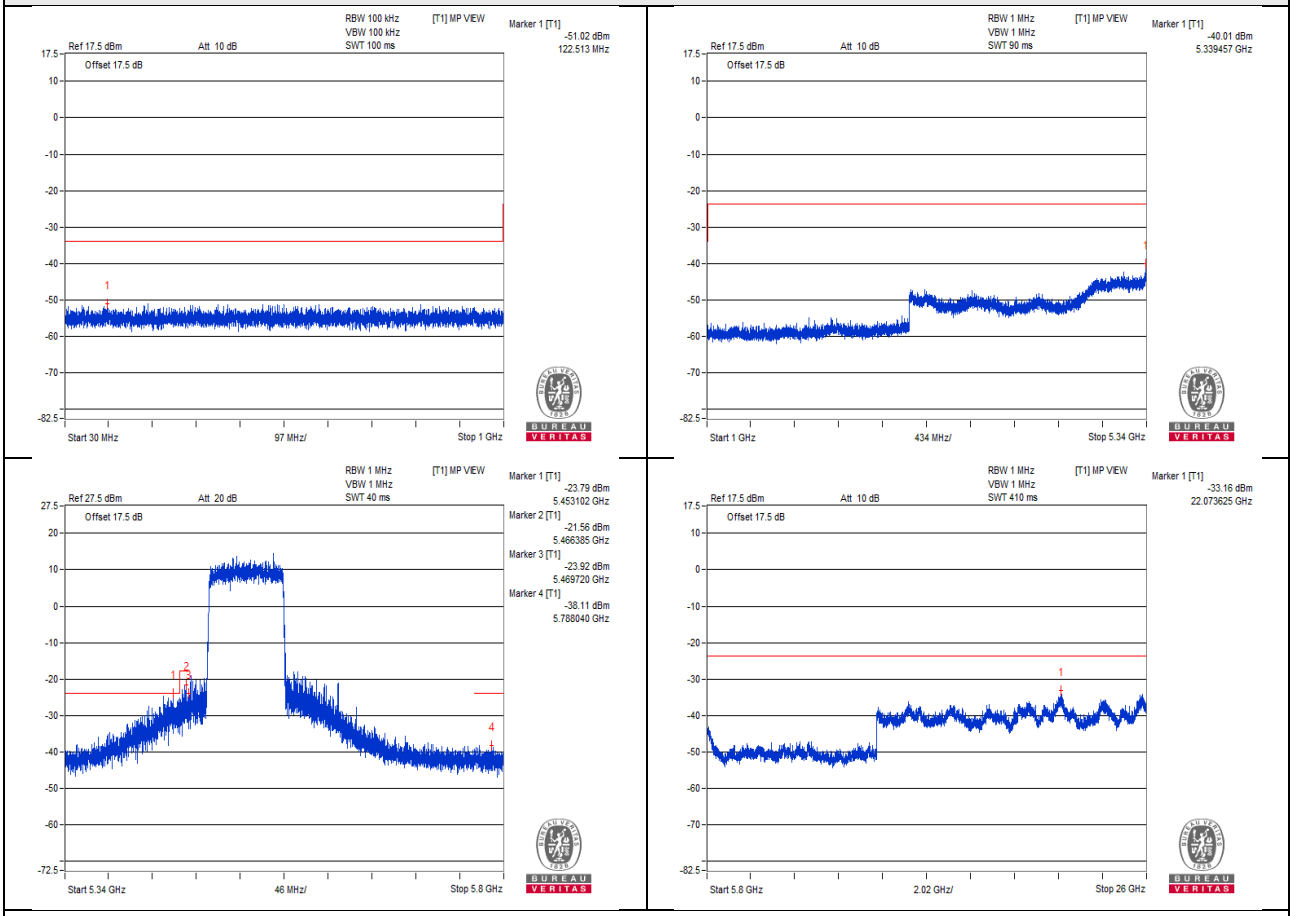
Chain 2

Test Channel		CH 106 (5530MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	122.513	0.007907	0.417	Pass
	1000.0 to 5340.0	5339.457	0.099770	4.167	Pass
	5340.0 to 5460.0	5453.102	0.227019	4.167	Pass(1)
	5460.0 to 5469.5	5466.385	6.982324	16.667	Pass
	5469.5 to 5470.0	5469.720	4.055085	17.067	Pass
	5770.0 to 5800.0	5788.040	0.154525	4.167	Pass
	5800.0 to 26000.0	22073.625	0.483059	4.167	Pass
Test Channel		**CH 122 (5610MHz)**			
V_{normal}	30.0 to 1000.0	222.060	0.008831	0.417	Pass
	1000.0 to 5340.0	5138.190	0.047863	4.167	Pass
	5340.0 to 5460.0	5458.450	0.601174	4.167	Pass
	5460.0 to 5469.5	5466.557	1.241652	16.667	Pass
	5469.5 to 5470.0	5469.500	0.408319	16.667	Pass
	5770.0 to 5800.0	5771.537	0.687068	4.167	Pass
	5800.0 to 26000.0	22076.150	0.404576	4.167	Pass

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

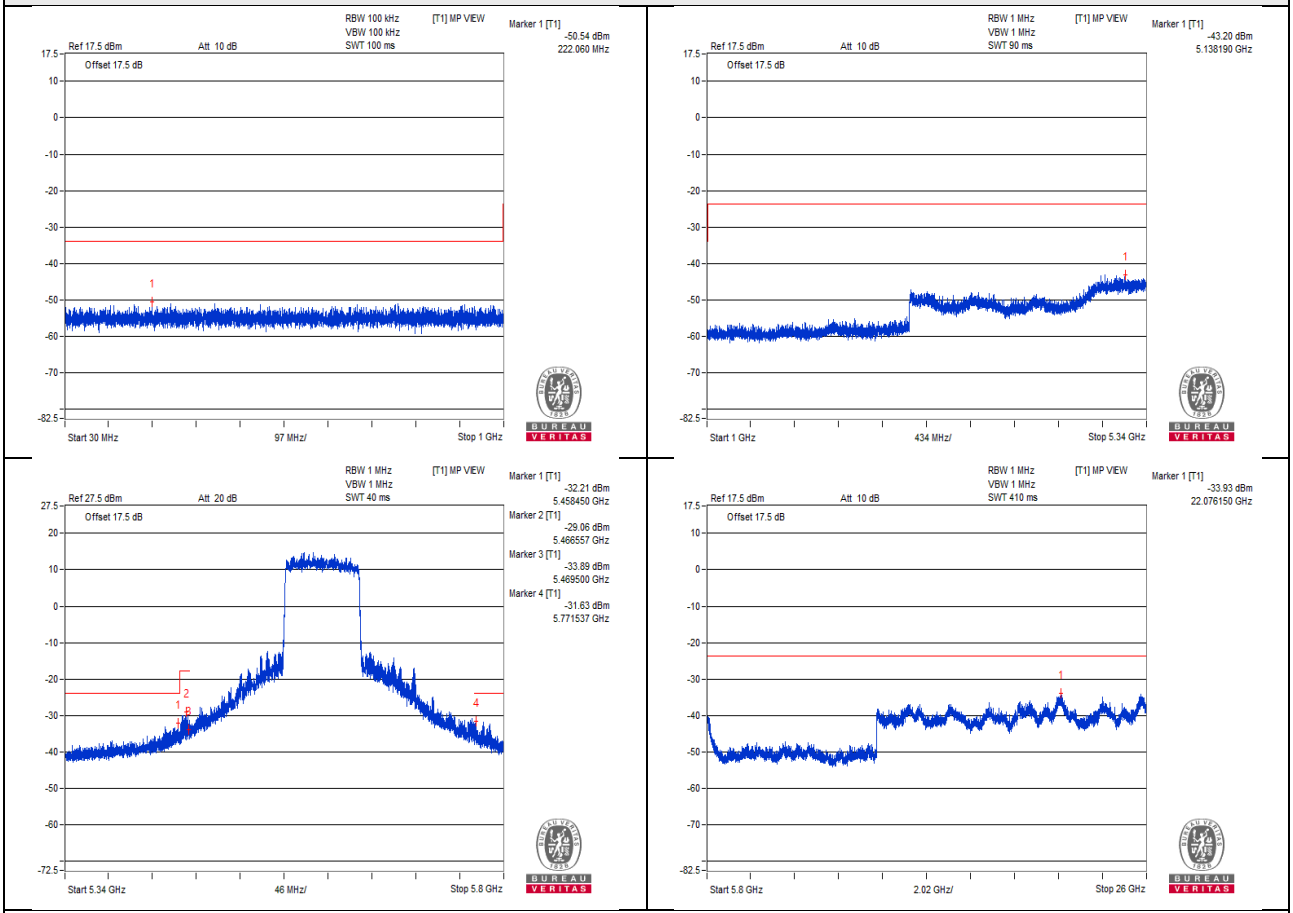
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal

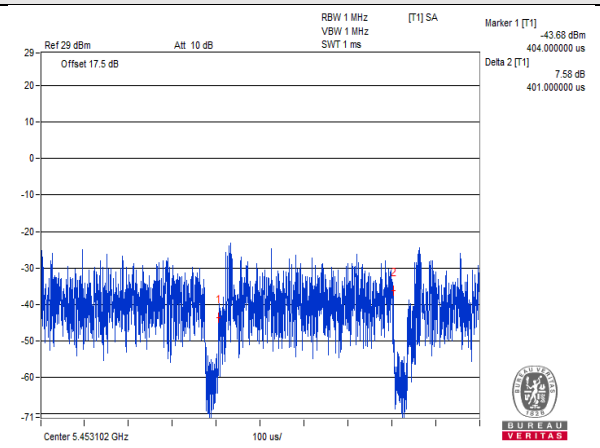


CH 106 (5530MHz)

Vnormal



CH 122 (5610MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5453.102MHz	P = 0.227019uW			

[Worst result] x [Number of antenna ports]

Test Channel		CH 106 (5530MHz)		
Test Condition	Frequency Range (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	0.024723	1.251	Pass
	1000.0 to 5340.0	0.377679	12.501	Pass
	5340.0 to 5460.0	2.230692	12.501	Pass
	5460.0 to 5469.5	39.275457	50.001	Pass
	5469.5 to 5470.0	47.876373	51.201	Pass
	5770.0 to 5800.0	0.472194	12.501	Pass
	5800.0 to 26000.0	1.449177	12.501	Pass
Test Channel		**CH 122 (5610MHz)**		
V_{normal}	30.0 to 1000.0	0.027933	1.251	Pass
	1000.0 to 5340.0	0.181602	12.501	Pass
	5340.0 to 5460.0	1.919205	12.501	Pass
	5460.0 to 5469.5	3.724956	50.001	Pass
	5469.5 to 5470.0	1.679274	51.201	Pass
	5770.0 to 5800.0	2.260068	12.501	Pass
	5800.0 to 26000.0	1.259277	12.501	Pass

Note: The test result is Chain 0, Chain 1 and Chain 2 [Worst result] x [Number of antenna ports].

4TX

W52 & W53 Bands:

802.11a

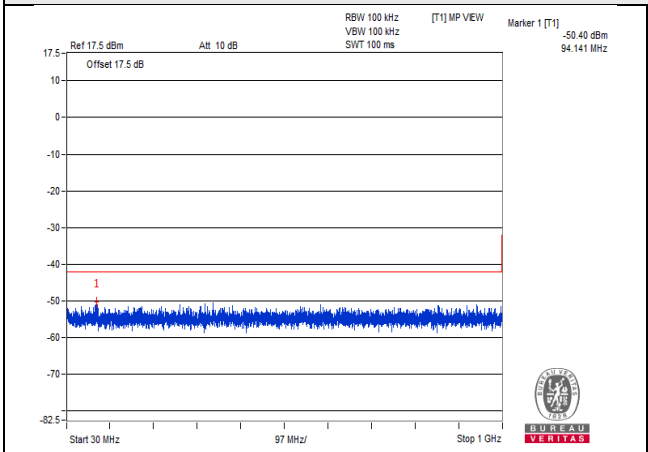
Chain 0

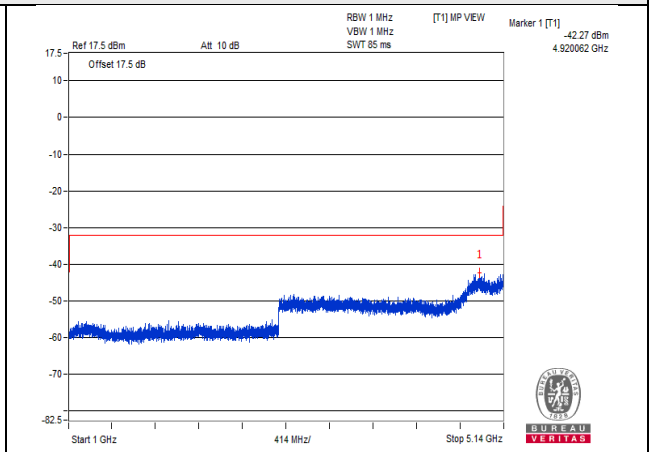
Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	94.141	0.009120	0.062	Pass
	1000.0 to 5140.0	4920.062	0.059293	0.625	Pass
	5140.0 to 5142.0	5140.605	0.164437	0.625	Pass
	5142.0 to 5150.0	5148.057	0.303389	3.750	Pass
	5250.0 to 5251.0	5250.082	0.124738	206.986	Pass
	5251.0 to 5260.0	5252.502	0.136144	18.384	Pass
	5260.0 to 5266.7	5263.502	0.131220	1.509	Pass
	5266.7 to 5360.0	5275.960	0.166725	0.625	Pass
	5360.0 to 26000.0	25649.120	0.067608	0.625	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	253.463	0.009441	0.062	Pass
	1000.0 to 5140.0	4900.397	0.043551	0.625	Pass
	5140.0 to 5142.0	5140.577	0.129718	0.625	Pass
	5142.0 to 5150.0	5146.572	0.149624	3.750	Pass
	5250.0 to 5251.0	5250.082	17.248355	206.986	Pass(1)
	5251.0 to 5260.0	5251.000	2.526991	25.000	Pass(2)
	5260.0 to 5266.7	5260.257	0.639735	3.691	Pass
	5266.7 to 5360.0	5279.095	0.180302	0.625	Pass
	5360.0 to 26000.0	25754.900	0.070632	0.625	Pass

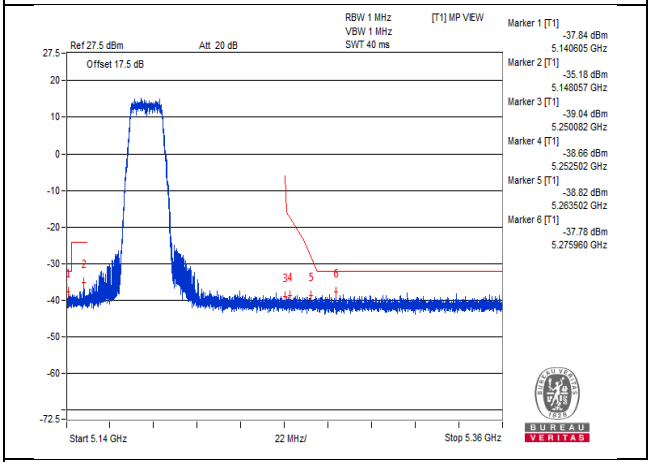
Note: 1. The spectrum plots are attached on the following pages.

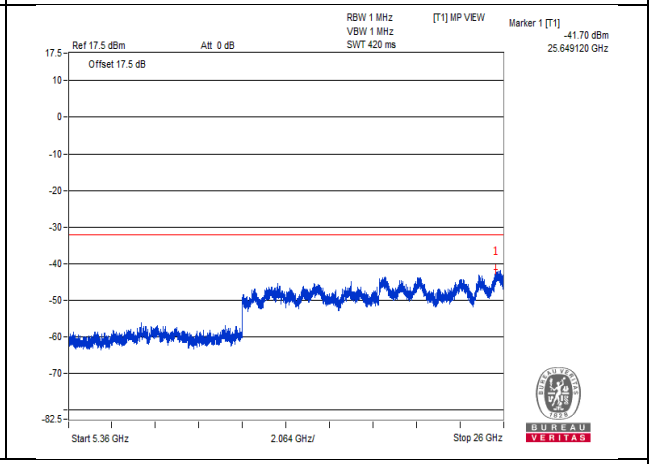
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



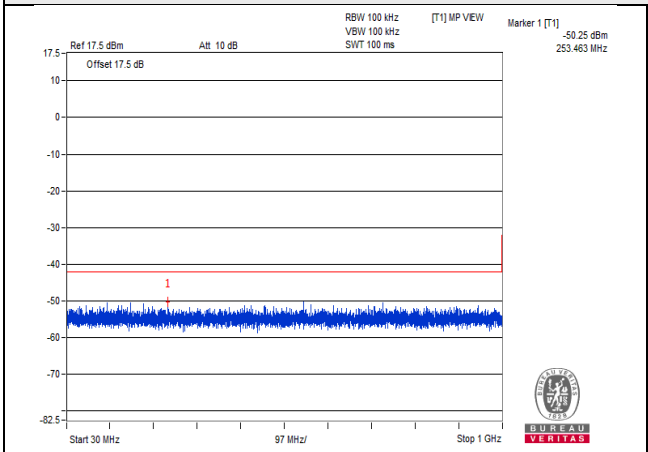


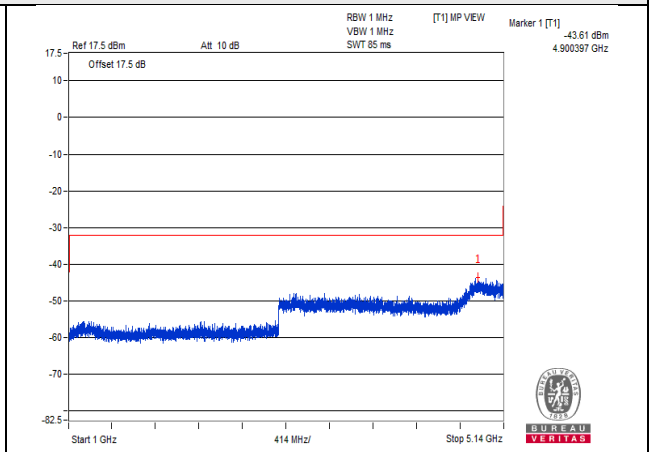


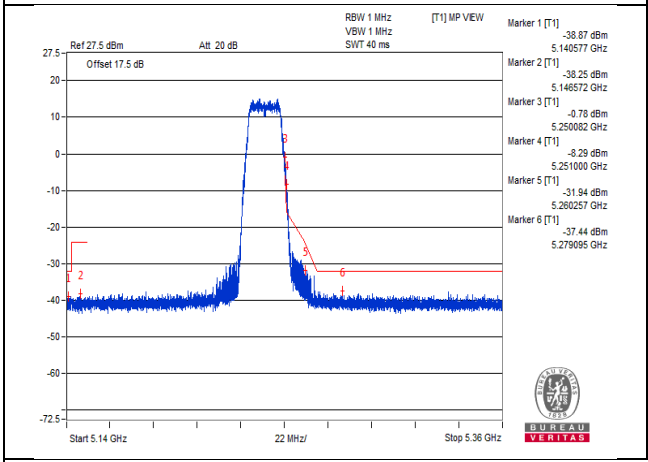


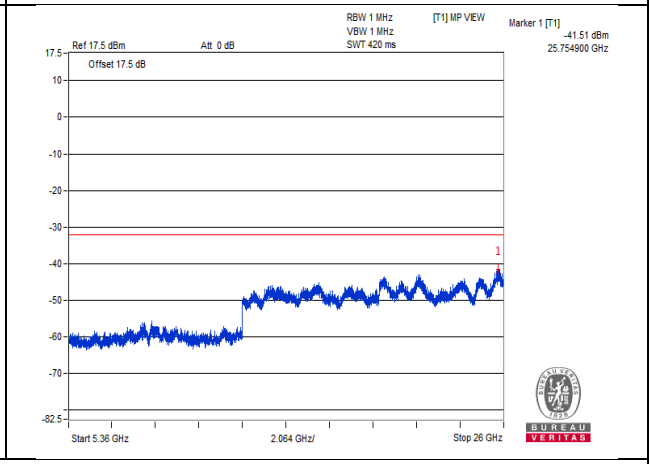
CH 36 (5180MHz)

Vnormal



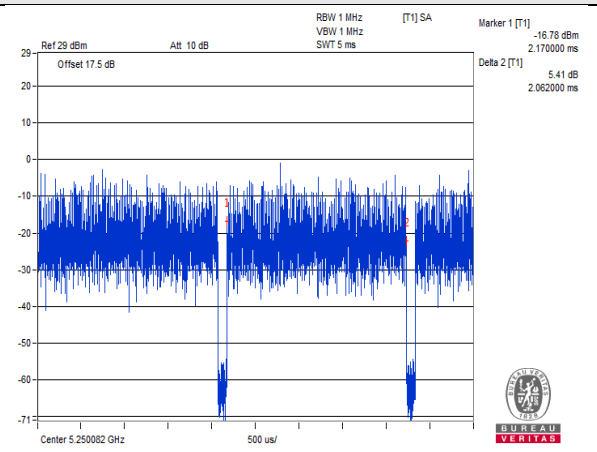


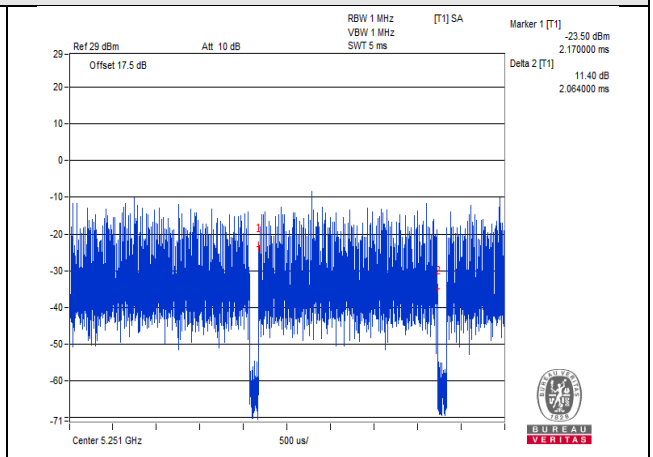




CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





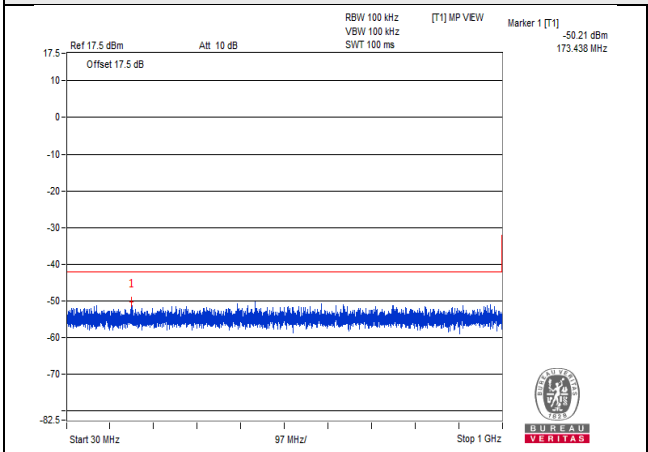
1	5250.082MHz	P = 17.248355uW	2	5251.000MHz	P = 2.526991uW

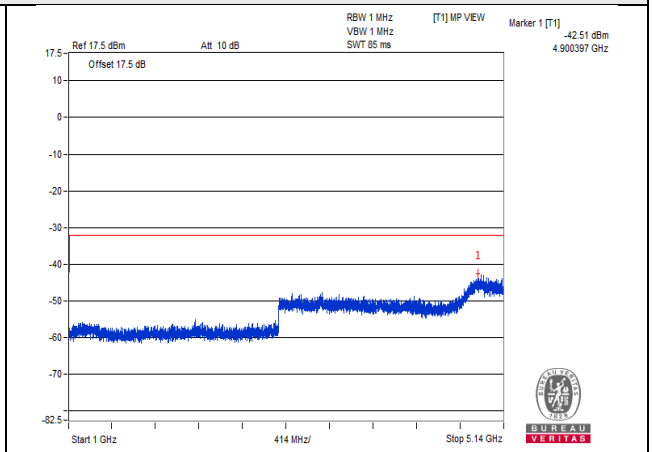
Test Channel		CH 52 (5260MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	173.438	0.009528	0.062	Pass
	1000.0 to 5140.0	4900.397	0.056105	0.625	Pass
	5140.0 to 5233.3	5228.000	0.391742	0.625	Pass
	5233.3 to 5240.0	5239.522	1.713957	3.473	Pass
	5240.0 to 5249.0	5248.790	0.035956	23.948	Pass(1)
	5249.0 to 5250.0	5250.000	0.337947	250.000	Pass(2)
	5350.0 to 5360.0	5350.347	0.138676	0.625	Pass
	5360.0 to 26000.0	25623.320	0.059293	0.625	Pass
Test Channel		**CH 64 (5320MHz)**			
V_{normal}	30.0 to 1000.0	448.070	0.008810	0.062	Pass
	1000.0 to 5140.0	5084.110	0.038905	0.625	Pass
	5140.0 to 5233.3	5213.645	0.187068	0.625	Pass
	5233.3 to 5240.0	5236.277	0.148252	1.420	Pass
	5240.0 to 5249.0	5246.810	0.141254	15.969	Pass
	5249.0 to 5250.0	5249.780	0.143219	150.640	Pass
	5350.0 to 5360.0	5351.887	0.274789	0.625	Pass
	5360.0 to 26000.0	25731.680	0.071779	0.625	Pass

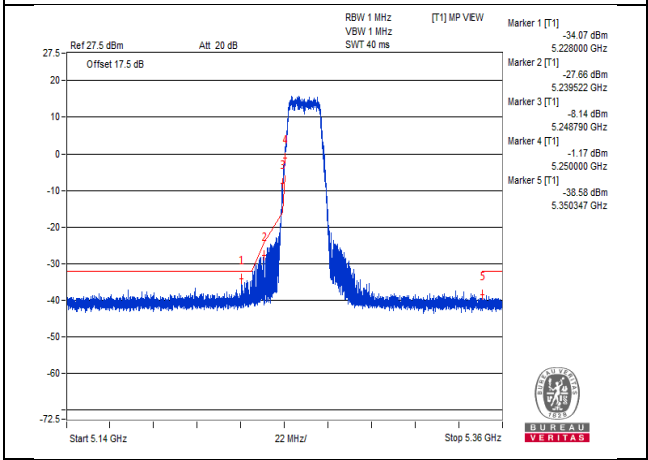
Note: 1. The spectrum plots are attached on the following pages.

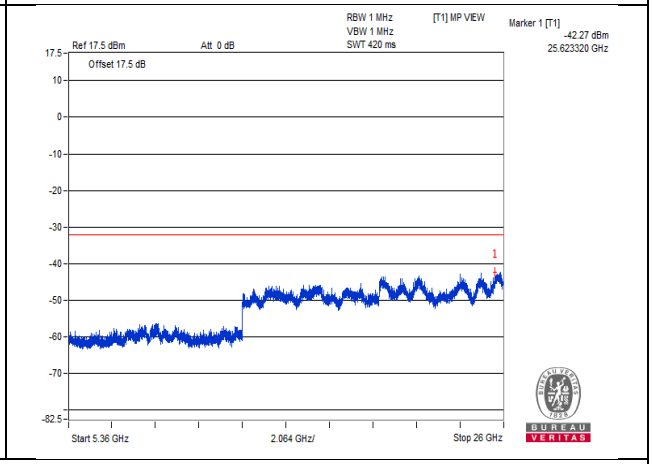
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



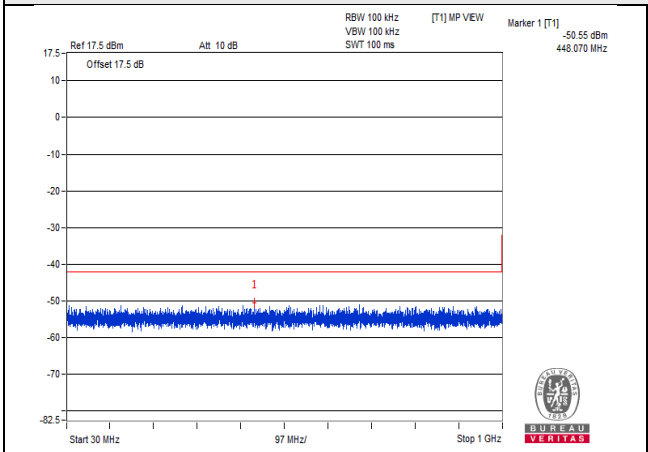


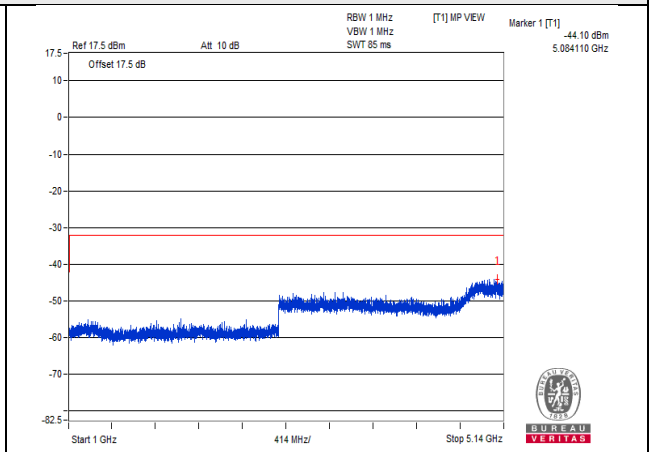


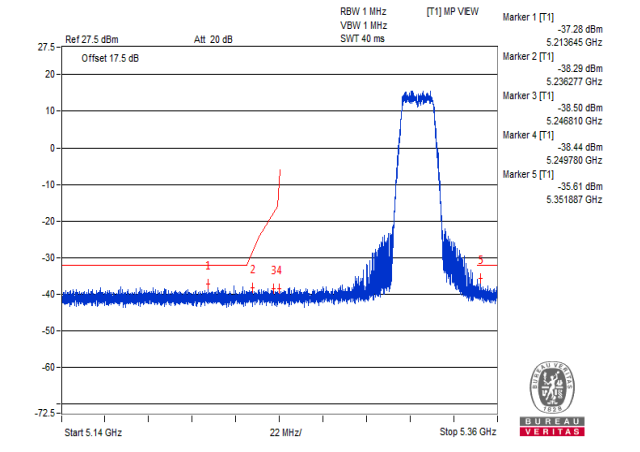


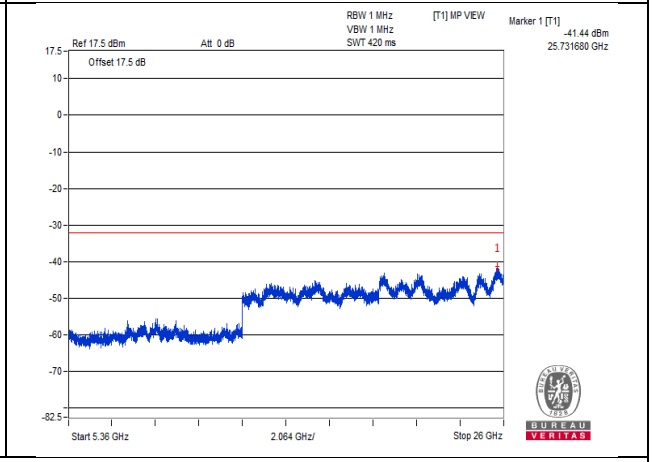
CH 52 (5260MHz)

Vnormal



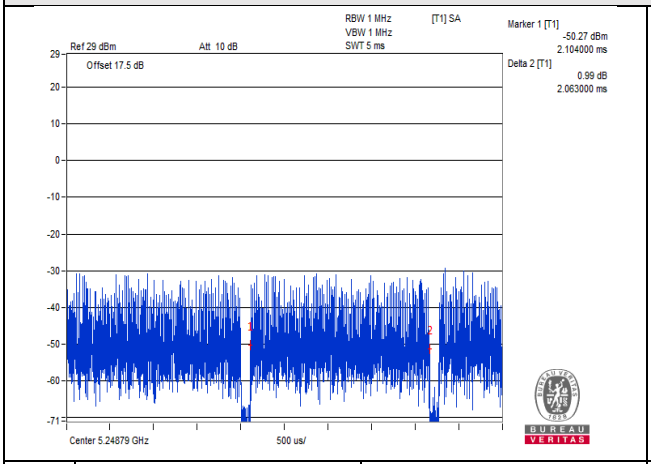




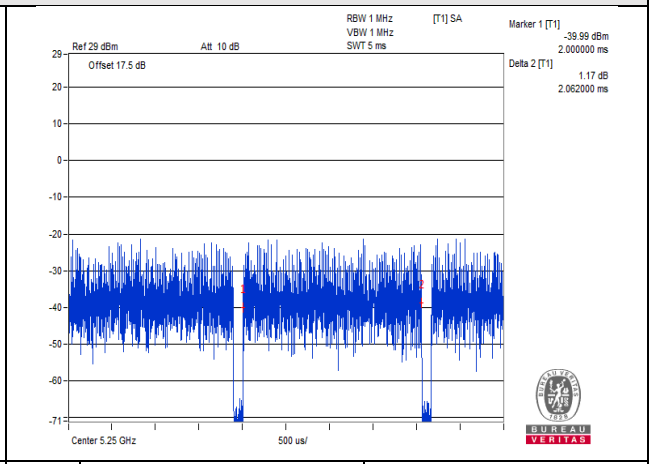


CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal



1	5248.790MHz	P = 0.035956uW



2	5250.000MHz	P = 0.337947uW

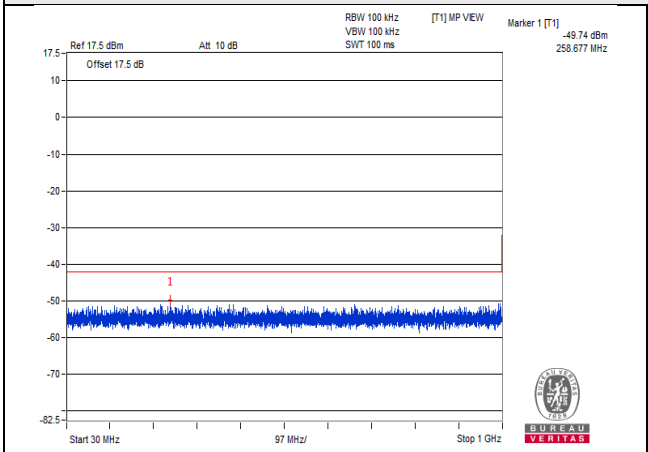
Chain 1

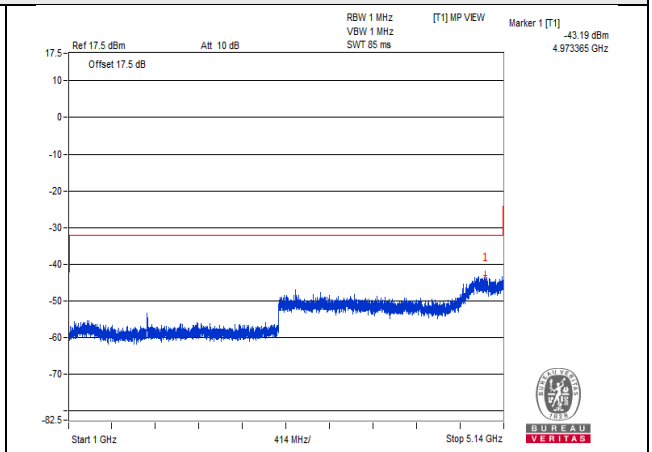
Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	258.677	0.010617	0.062	Pass
	1000.0 to 5140.0	4973.365	0.047973	0.625	Pass
	5140.0 to 5142.0	5140.990	0.131220	0.625	Pass
	5142.0 to 5150.0	5143.382	0.157761	3.750	Pass
	5250.0 to 5251.0	5250.247	0.121339	141.560	Pass
	5251.0 to 5260.0	5257.150	0.134276	7.100	Pass
	5260.0 to 5266.7	5266.032	0.141254	0.751	Pass
	5266.7 to 5360.0	5306.292	0.146893	0.625	Pass
	5360.0 to 26000.0	25729.100	0.077625	0.625	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	757.863	0.008670	0.062	Pass
	1000.0 to 5140.0	4940.245	0.043053	0.625	Pass
	5140.0 to 5142.0	5140.440	0.147911	0.625	Pass
	5142.0 to 5150.0	5144.290	0.168655	3.750	Pass
	5250.0 to 5251.0	5250.027	22.095454	234.931	Pass(1)
	5251.0 to 5260.0	5251.127	2.298258	24.359	Pass(2)
	5260.0 to 5266.7	5260.065	1.088930	3.892	Pass
	5266.7 to 5360.0	5266.857	0.372392	0.625	Pass
	5360.0 to 26000.0	25767.800	0.066834	0.625	Pass

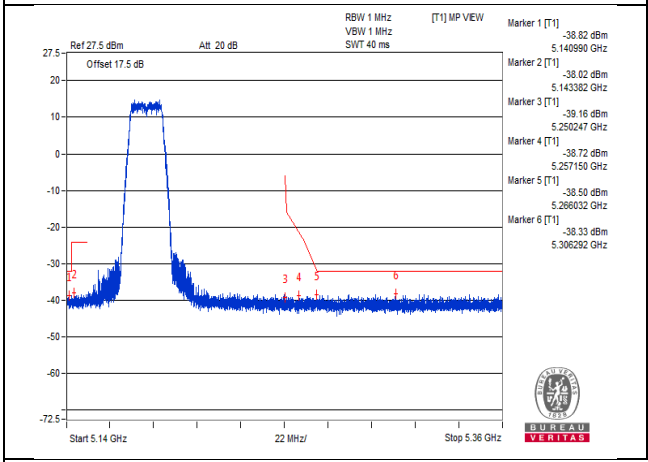
Note: 1. The spectrum plots are attached on the following pages.

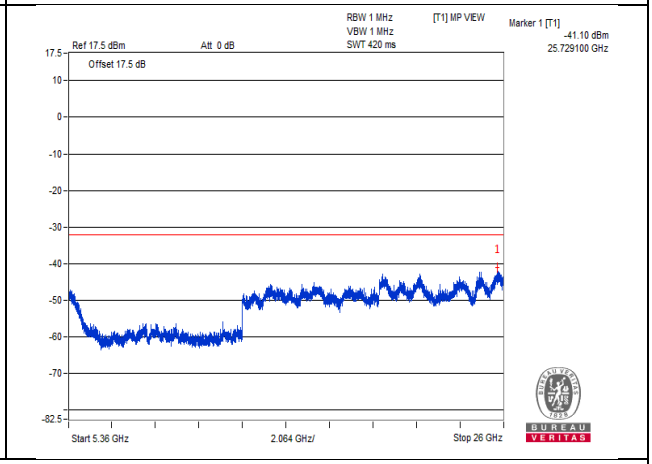
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



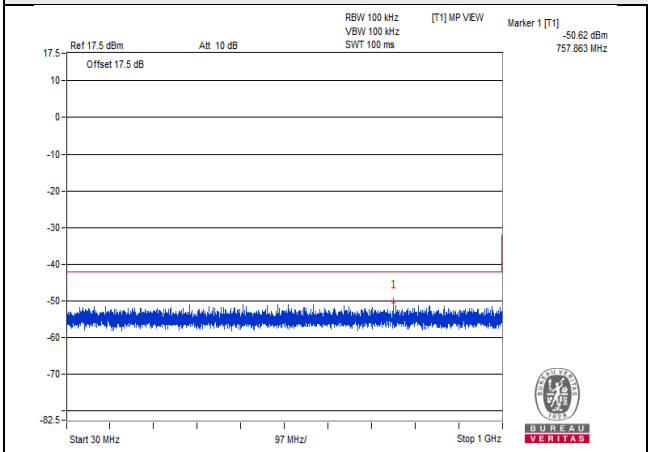


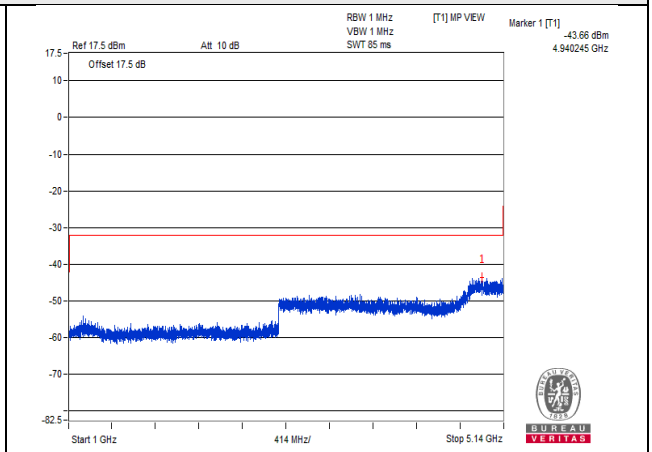


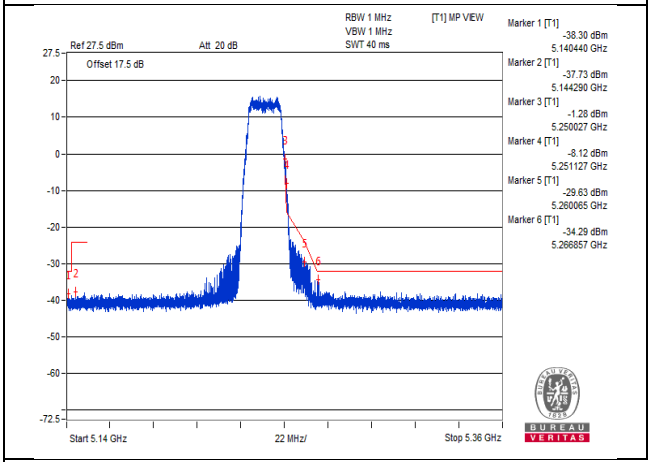


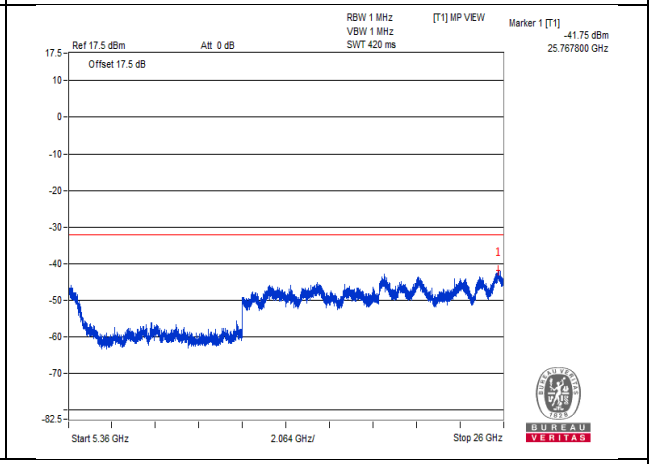
CH 36 (5180MHz)

Vnormal

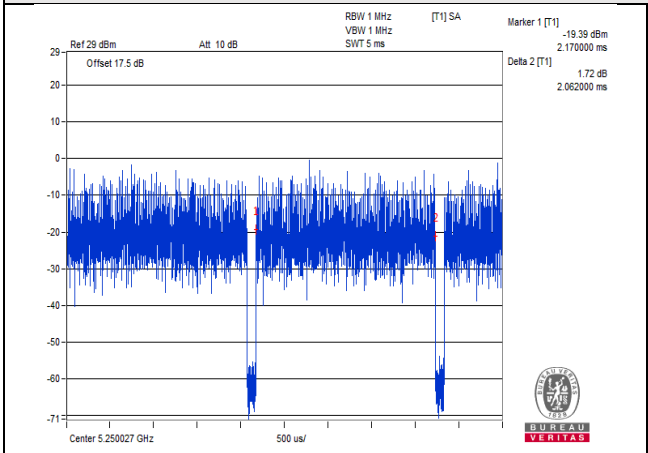
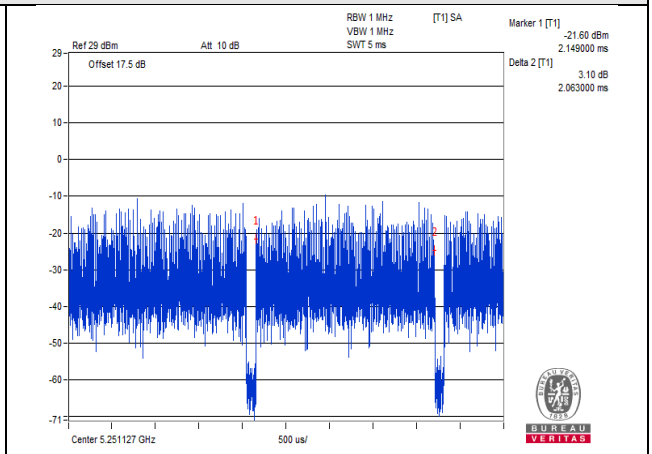








CH 48 (5240MHz)

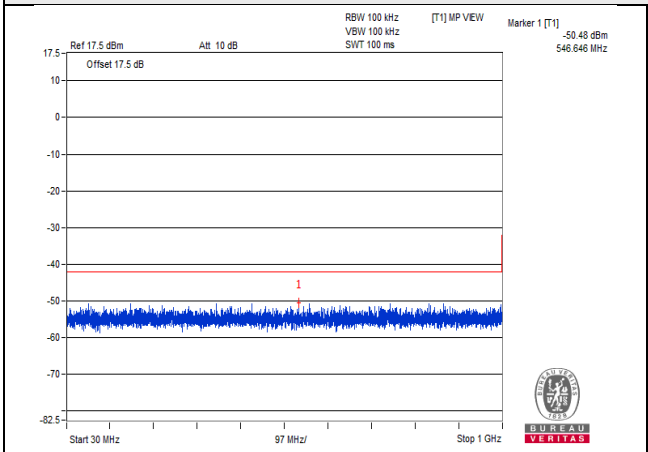
Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the “dBm” value into “uW” value. 3. It adds the all values and calculates a grand total. Define a grand total as “P”. 4. It divides “P” by sample data point (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5250.027MHz	P = 22.095454uW	2	5251.127MHz	P = 2.298258uW

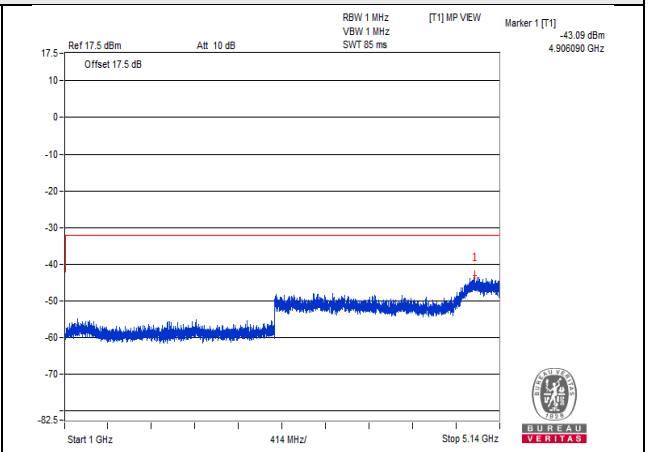
Test Channel		CH 52 (5260MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	546.646	0.008954	0.062	Pass
	1000.0 to 5140.0	4906.090	0.049091	0.625	Pass
	5140.0 to 5233.3	5233.115	0.599791	0.625	Pass
	5233.3 to 5240.0	5239.495	2.074914	3.447	Pass
	5240.0 to 5249.0	5248.955	4.596414	24.771	Pass(1)
	5249.0 to 5250.0	5249.945	28.048419	220.262	Pass(2)
	5350.0 to 5360.0	5352.712	0.165196	0.625	Pass
	5360.0 to 26000.0	25742.000	0.079433	0.625	Pass
Test Channel		**CH 64 (5320MHz)**			
V_{normal}	30.0 to 1000.0	720.518	0.009016	0.062	Pass
	1000.0 to 5140.0	4989.407	0.047973	0.625	Pass
	5140.0 to 5233.3	5142.750	0.178649	0.625	Pass
	5233.3 to 5240.0	5237.102	0.188365	1.782	Pass
	5240.0 to 5249.0	5244.472	0.169824	9.896	Pass
	5249.0 to 5250.0	5249.807	0.129122	160.302	Pass
	5350.0 to 5360.0	5353.317	0.238781	0.625	Pass
	5360.0 to 26000.0	25796.180	0.063387	0.625	Pass

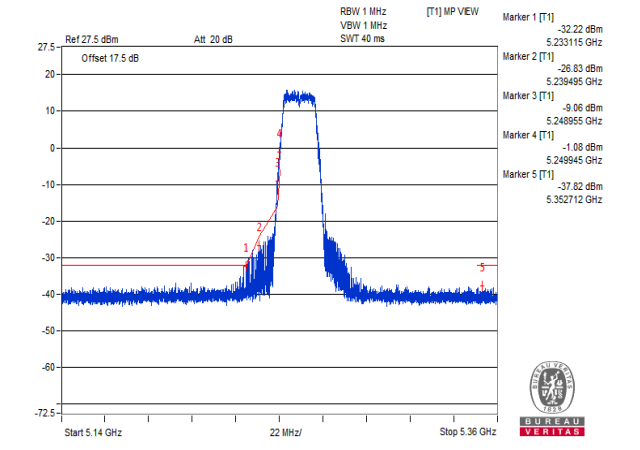
Note: 1. The spectrum plots are attached on the following pages.

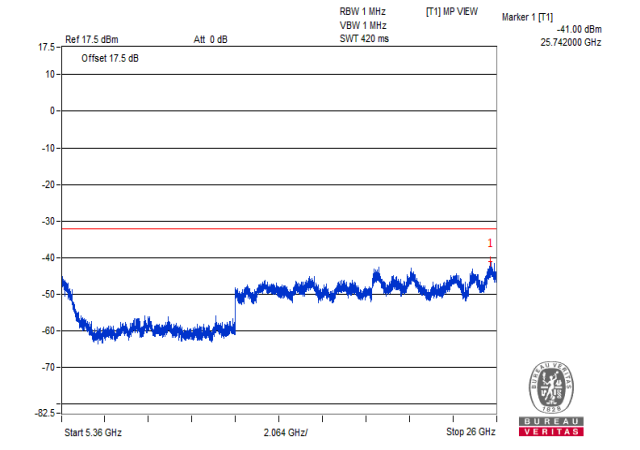
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



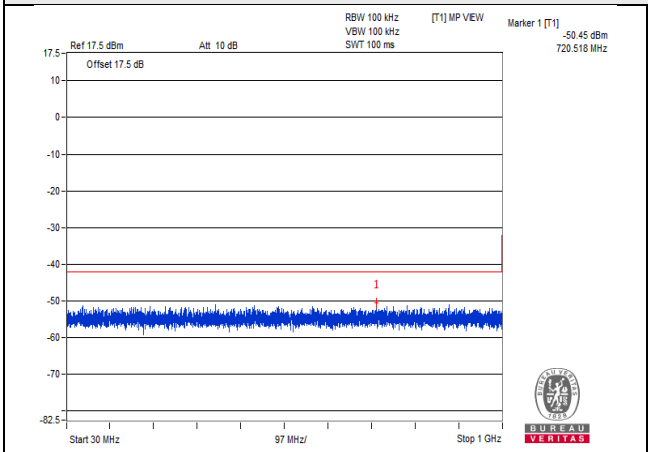


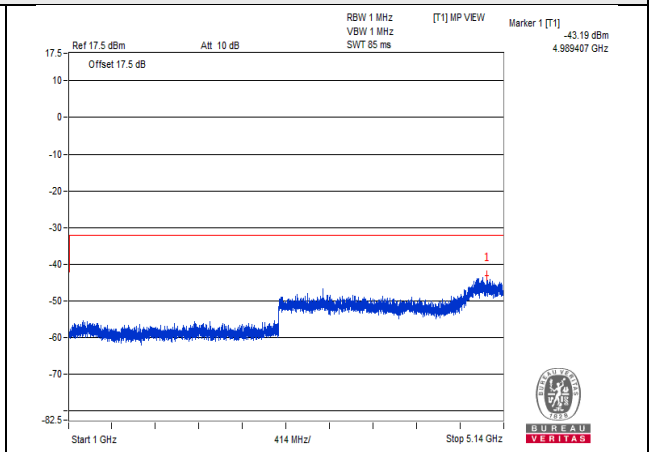


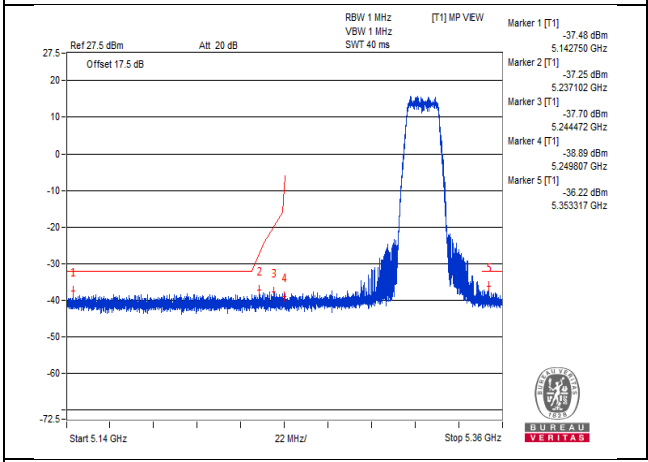


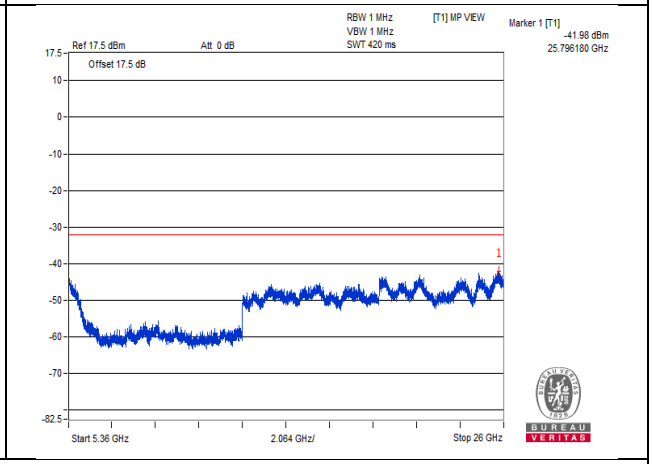
CH 52 (5260MHz)

Vnormal

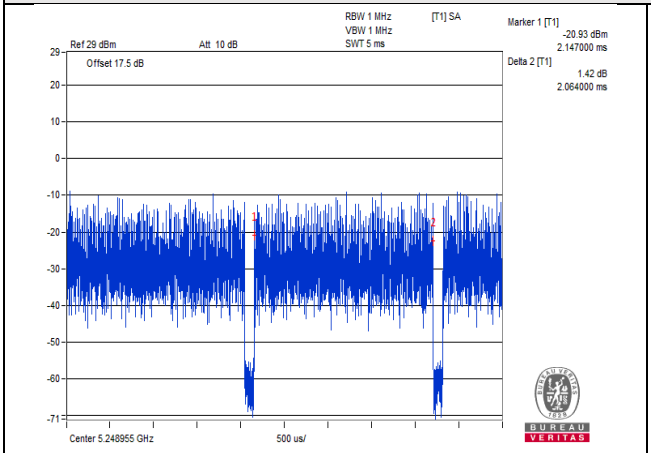
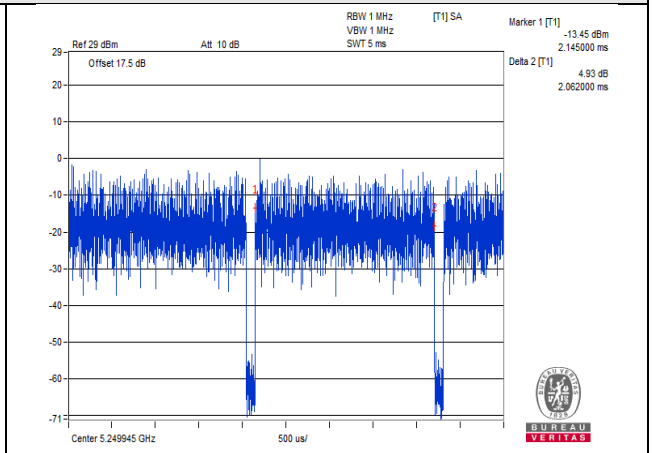








CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5248.955MHz	P = 4.596414uW	2	5249.945MHz	P = 28.048419uW

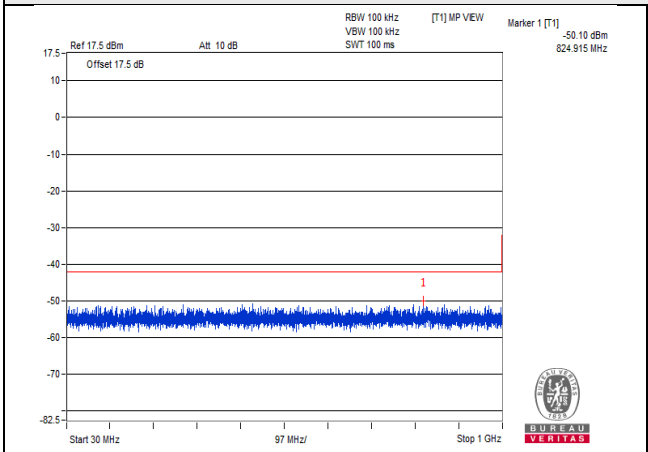
Chain 2

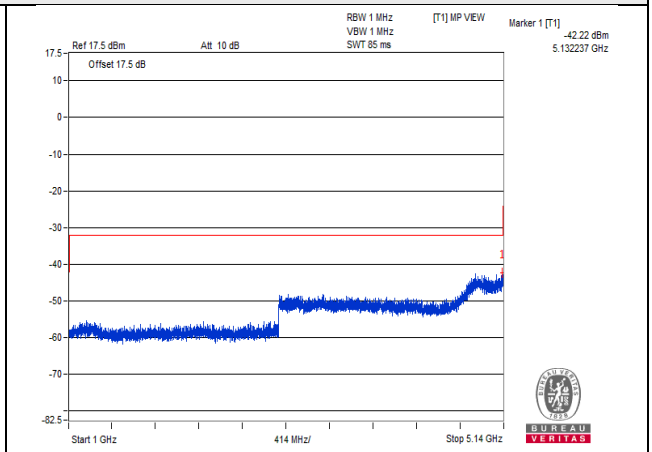
Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	824.915	0.009772	0.062	Pass
	1000.0 to 5140.0	5132.237	0.059979	0.625	Pass
	5140.0 to 5142.0	5140.302	0.165959	0.625	Pass
	5142.0 to 5150.0	5149.707	0.194089	3.750	Pass
	5250.0 to 5251.0	5250.495	0.119399	79.972	Pass
	5251.0 to 5260.0	5252.887	0.134276	16.991	Pass
	5260.0 to 5266.7	5260.752	0.152405	3.220	Pass
	5266.7 to 5360.0	5312.617	0.150661	0.625	Pass
	5360.0 to 26000.0	25891.640	0.065766	0.625	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	657.105	0.008375	0.062	Pass
	1000.0 to 5140.0	4911.265	0.049545	0.625	Pass
	5140.0 to 5142.0	5140.522	0.116413	0.625	Pass
	5142.0 to 5150.0	5143.382	0.188365	3.750	Pass
	5250.0 to 5251.0	5250.385	12.233914	103.024	Pass(1)
	5251.0 to 5260.0	5251.127	2.393669	24.359	Pass(2)
	5260.0 to 5266.7	5260.725	1.039920	3.245	Pass
	5266.7 to 5360.0	5267.710	0.266073	0.625	Pass
	5360.0 to 26000.0	25824.560	0.069024	0.625	Pass

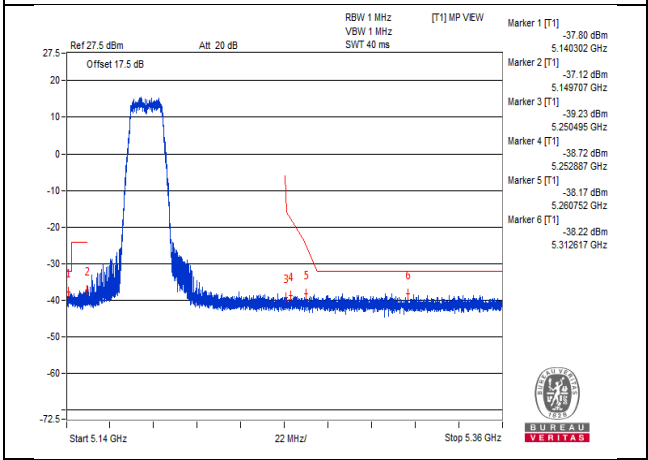
Note: 1. The spectrum plots are attached on the following pages.

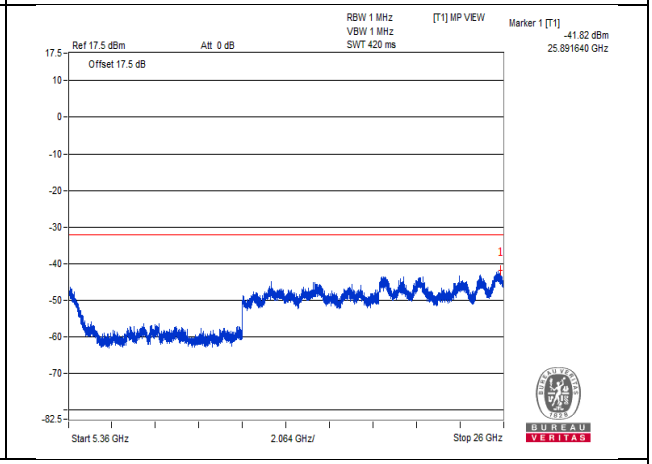
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



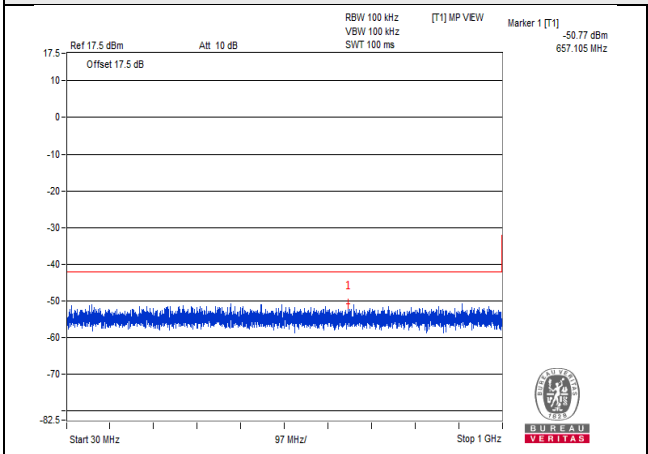


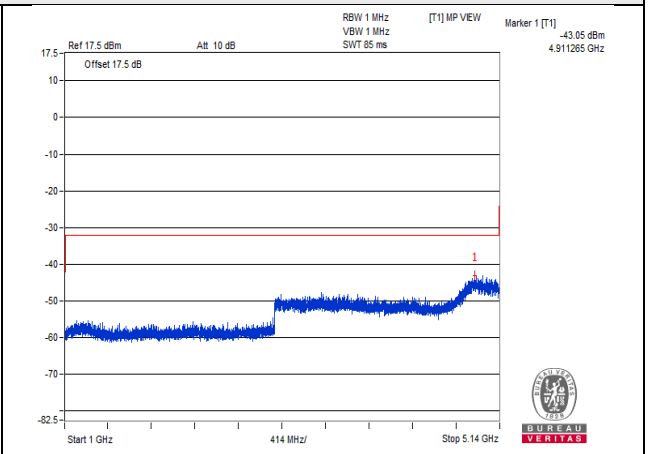


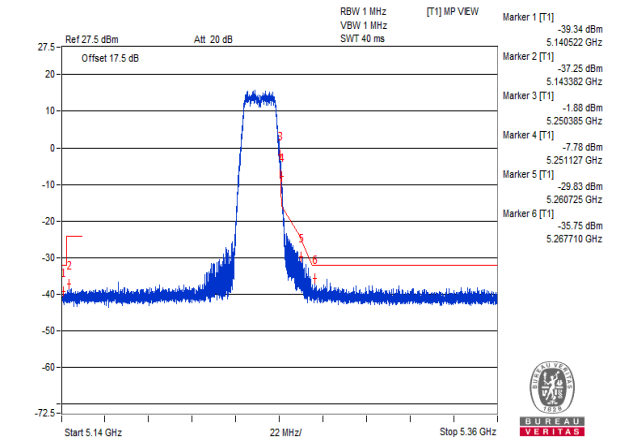


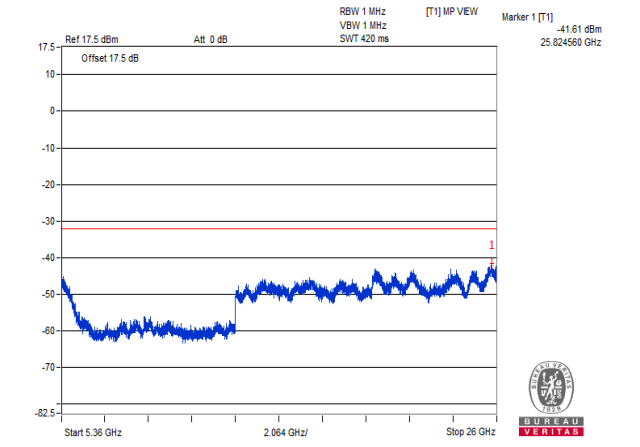
CH 36 (5180MHz)

Vnormal



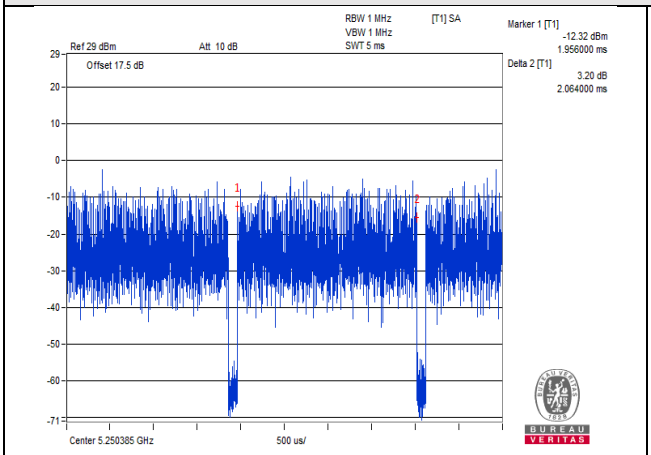


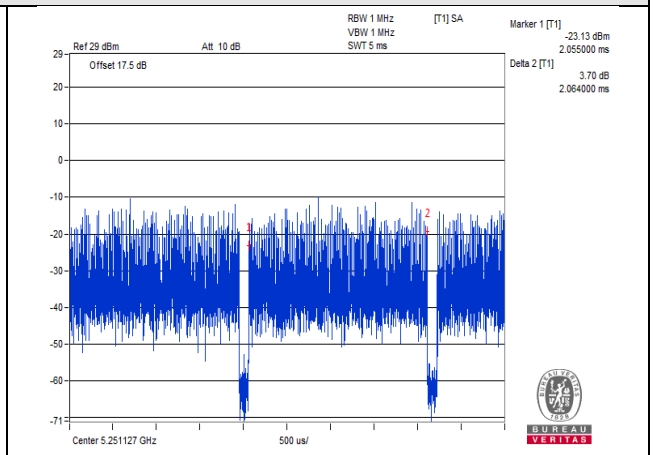




CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





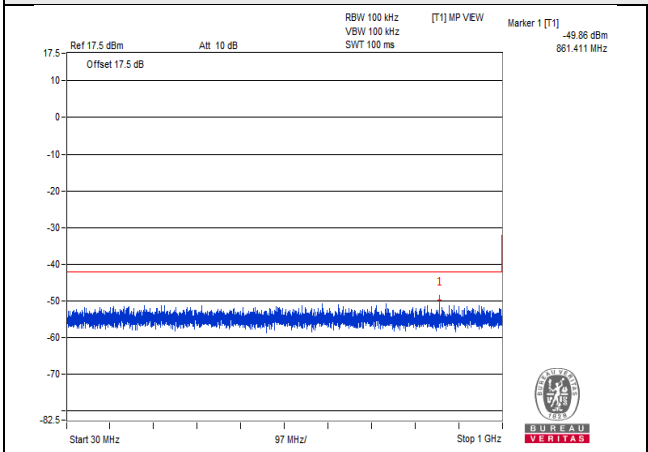
1	5250.385MHz	P = 12.233914uW	2	5251.127MHz	P = 2.393669uW

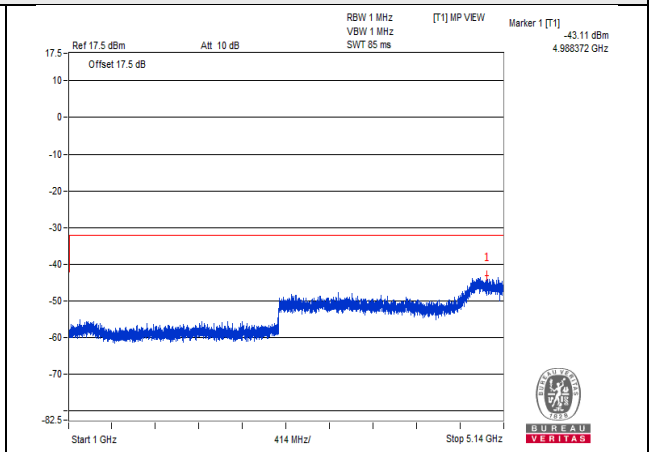
Test Channel		CH 52 (5260MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	861.411	0.010328	0.062	Pass
	1000.0 to 5140.0	4988.372	0.048865	0.625	Pass
	5140.0 to 5233.3	5232.042	0.372392	0.625	Pass
	5233.3 to 5240.0	5239.137	1.914256	3.123	Pass
	5240.0 to 5249.0	5248.982	5.807284	24.908	Pass(1)
	5249.0 to 5250.0	5250.000	32.399060	250.000	Pass(2)
	5350.0 to 5360.0	5358.872	0.183231	0.625	Pass
	5360.0 to 26000.0	25752.320	0.074131	0.625	Pass
Test Channel		**CH 64 (5320MHz)**			
V_{normal}	30.0 to 1000.0	420.546	0.009572	0.062	Pass
	1000.0 to 5140.0	4955.770	0.045604	0.625	Pass
	5140.0 to 5233.3	5156.445	0.162555	0.625	Pass
	5233.3 to 5240.0	5233.610	0.162555	0.681	Pass
	5240.0 to 5249.0	5245.132	0.142233	11.327	Pass
	5249.0 to 5250.0	5249.807	0.123027	160.302	Pass
	5350.0 to 5360.0	5350.182	0.232274	0.625	Pass
	5360.0 to 26000.0	25824.560	0.062517	0.625	Pass

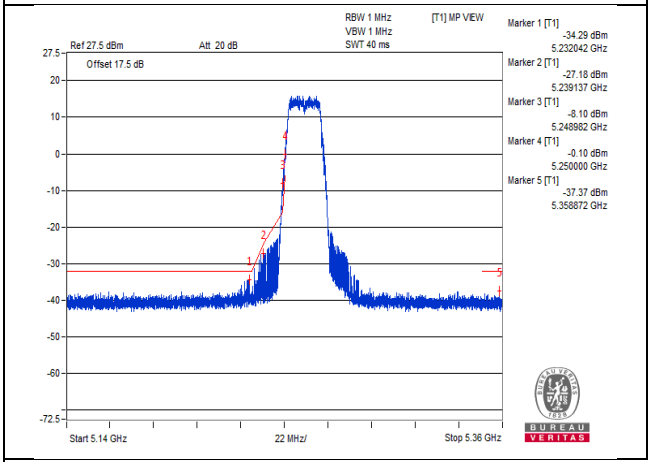
Note: 1. The spectrum plots are attached on the following pages.

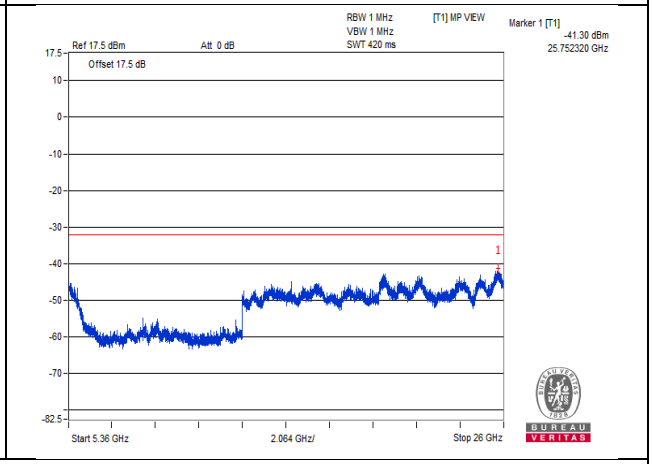
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



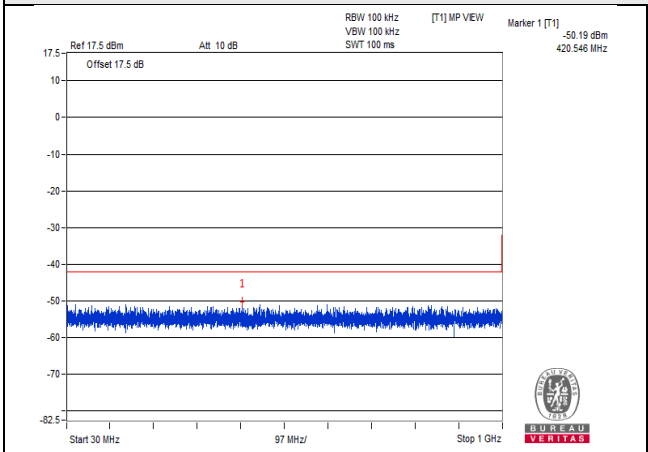


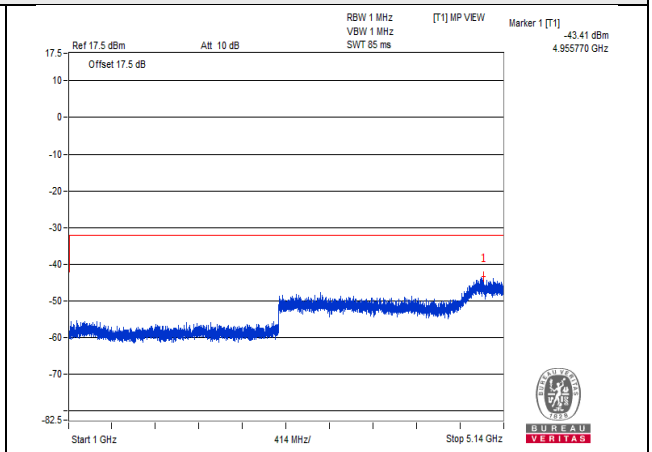


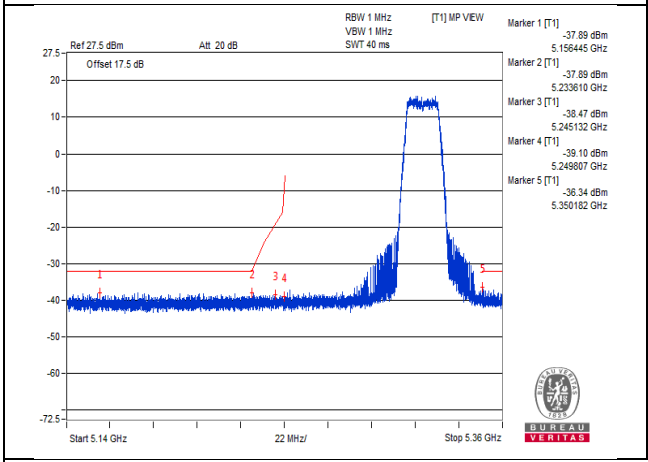


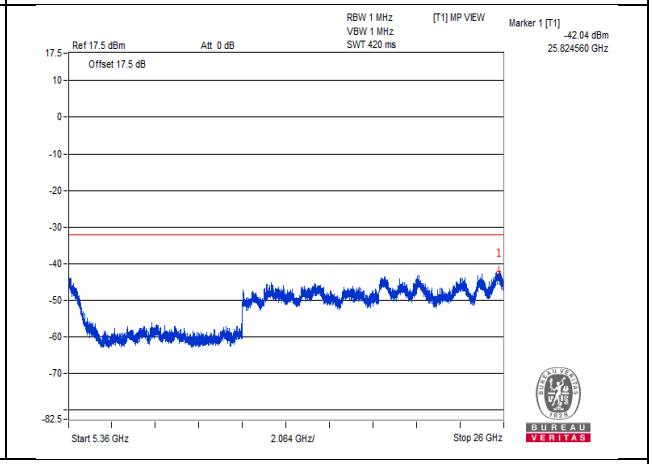
CH 52 (5260MHz)

Vnormal



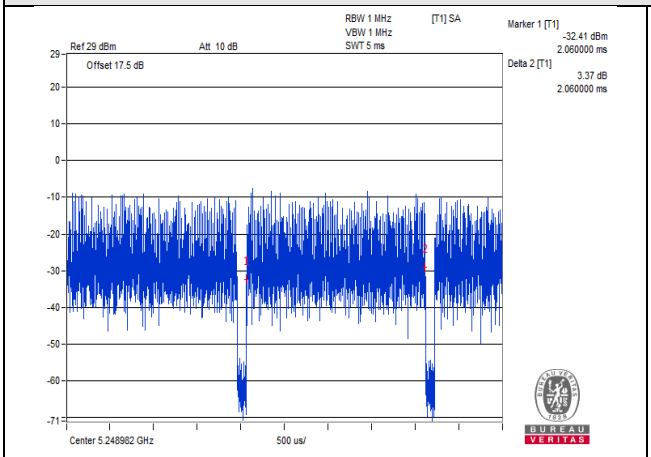




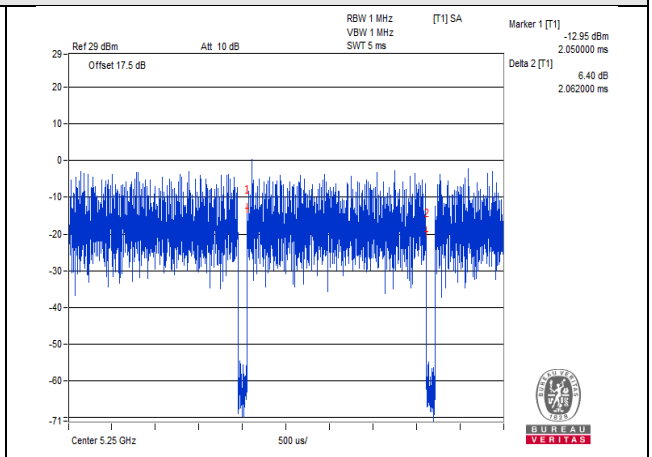


CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal



1	5248.982MHz	P = 5.807284uW	2	5250.000MHz	P = 32.39906uW



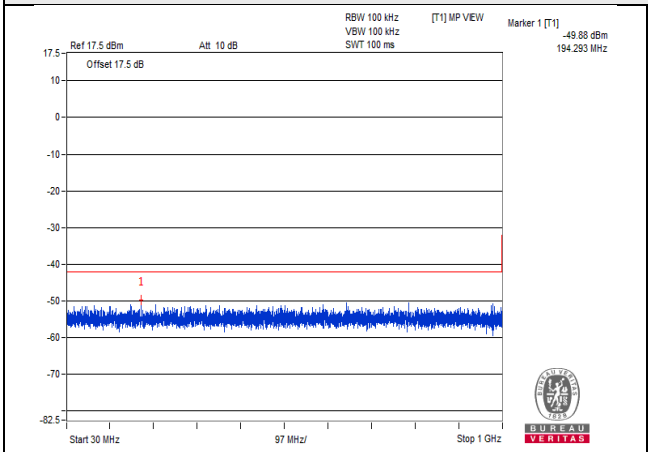
Chain 3

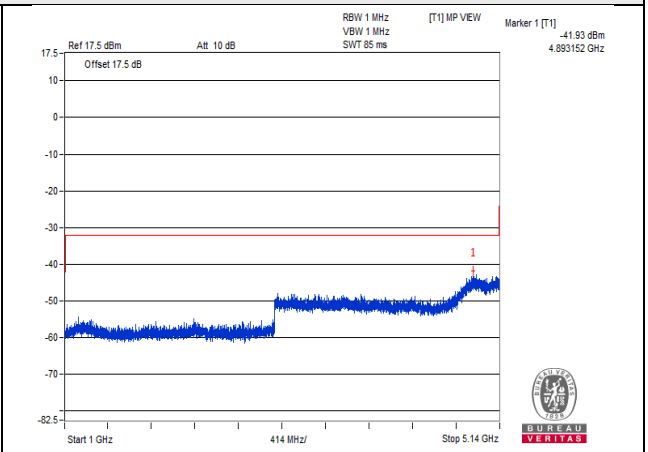
Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	194.293	0.010280	0.062	Pass
	1000.0 to 5140.0	4893.152	0.064121	0.625	Pass
	5140.0 to 5142.0	5140.055	0.139316	0.625	Pass
	5142.0 to 5150.0	5148.882	0.183231	3.750	Pass
	5250.0 to 5251.0	5250.165	0.132130	170.978	Pass
	5251.0 to 5260.0	5258.910	0.148252	4.953	Pass
	5260.0 to 5266.7	5263.695	0.134276	1.431	Pass
	5266.7 to 5360.0	5328.017	0.172584	0.625	Pass
	5360.0 to 26000.0	25664.600	0.062951	0.625	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	869.656	0.008690	0.062	Pass
	1000.0 to 5140.0	4922.132	0.044361	0.625	Pass
	5140.0 to 5142.0	5140.852	0.133660	0.625	Pass
	5142.0 to 5150.0	5145.060	0.192309	3.750	Pass
	5250.0 to 5251.0	5250.000	22.510298	250.000	Pass(1)
	5251.0 to 5260.0	5251.000	2.714985	25.000	Pass(2)
	5260.0 to 5266.7	5260.642	1.028016	3.320	Pass
	5266.7 to 5360.0	5271.780	0.244906	0.625	Pass
	5360.0 to 26000.0	25708.460	0.067298	0.625	Pass

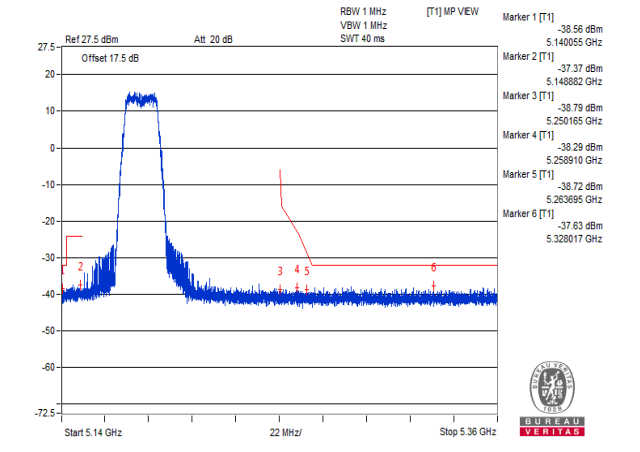
Note: 1. The spectrum plots are attached on the following pages.

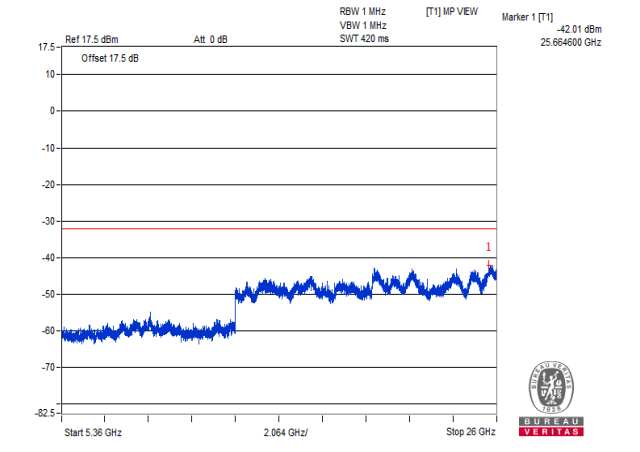
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



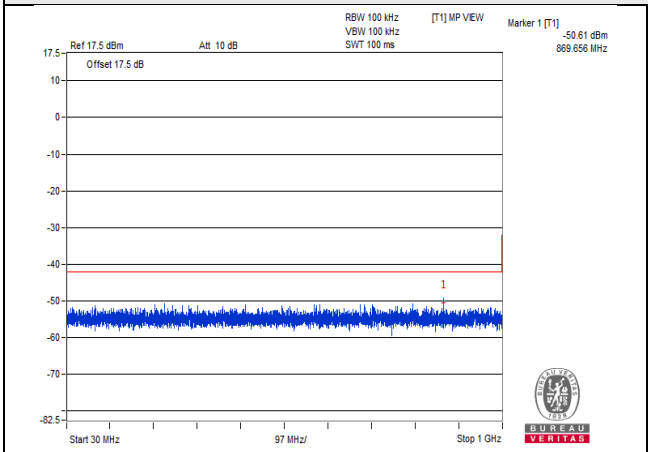


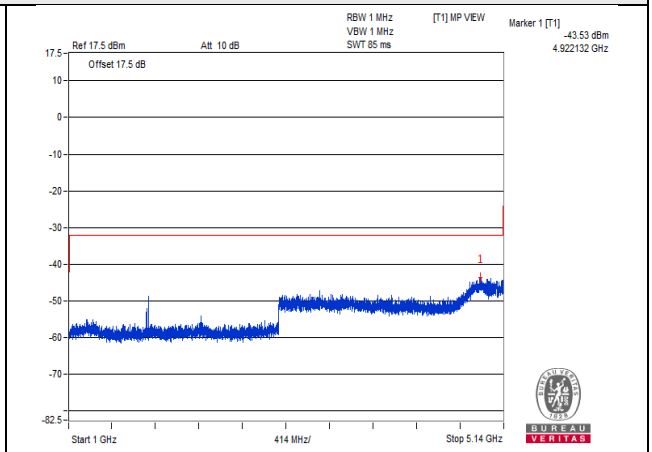


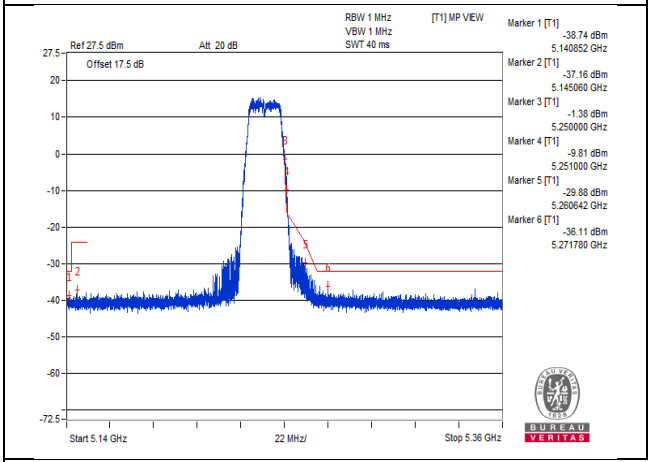


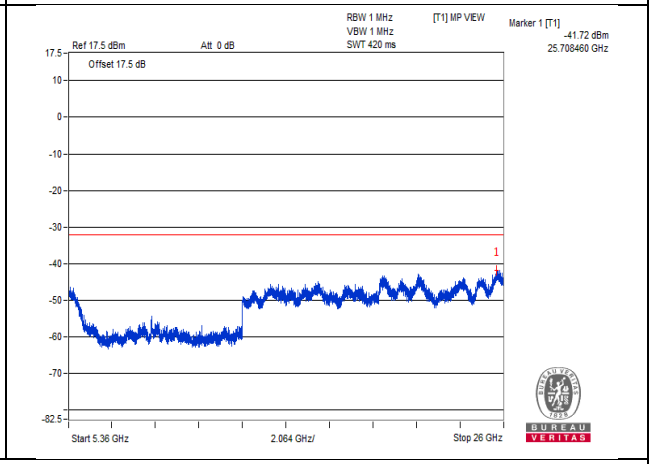
CH 36 (5180MHz)

Vnormal



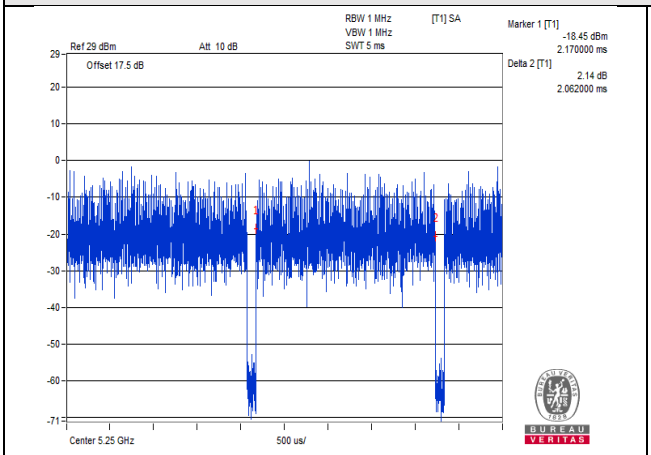


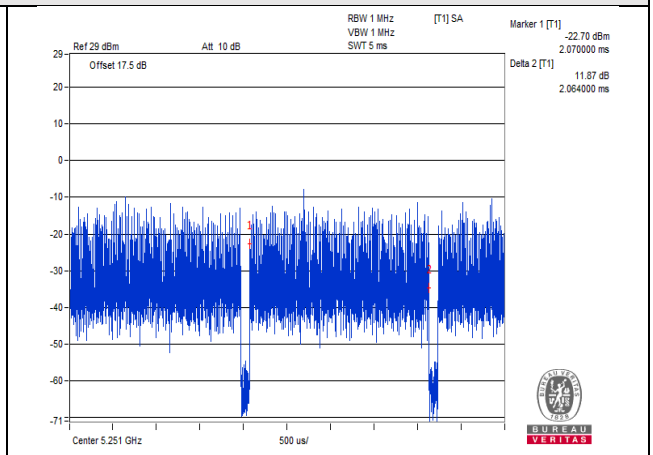




CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





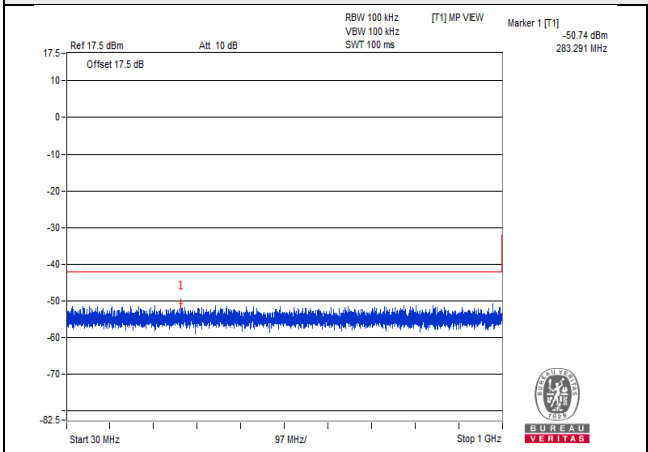
1	5250.000MHz	P = 22.510298uW	2	5251.000MHz	P = 2.714985uW

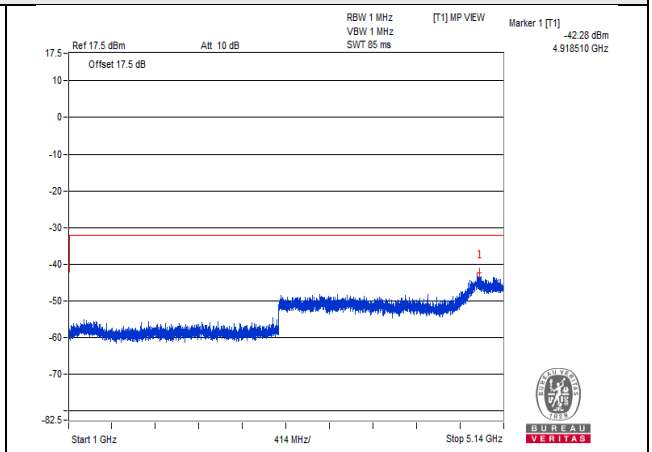
Test Channel		CH 52 (5260MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	283.291	0.008433	0.062	Pass
	1000.0 to 5140.0	4918.510	0.059156	0.625	Pass
	5140.0 to 5233.3	5228.550	0.490908	0.625	Pass
	5233.3 to 5240.0	5239.715	2.703958	3.663	Pass
	5240.0 to 5249.0	5248.955	5.146249	24.771	Pass(1)
	5249.0 to 5250.0	5249.945	30.867171	220.262	Pass(2)
	5350.0 to 5360.0	5357.580	0.138676	0.625	Pass
	5360.0 to 26000.0	25682.660	0.067764	0.625	Pass
Test Channel		**CH 64 (5320MHz)**			
V_{normal}	30.0 to 1000.0	195.142	0.008128	0.062	Pass
	1000.0 to 5140.0	4997.170	0.042267	0.625	Pass
	5140.0 to 5233.3	5141.210	0.160694	0.625	Pass
	5233.3 to 5240.0	5236.635	0.173380	1.567	Pass
	5240.0 to 5249.0	5243.070	0.156675	7.427	Pass
	5249.0 to 5250.0	5249.532	0.170216	85.102	Pass
	5350.0 to 5360.0	5350.347	0.215278	0.625	Pass
	5360.0 to 26000.0	25703.300	0.066681	0.625	Pass

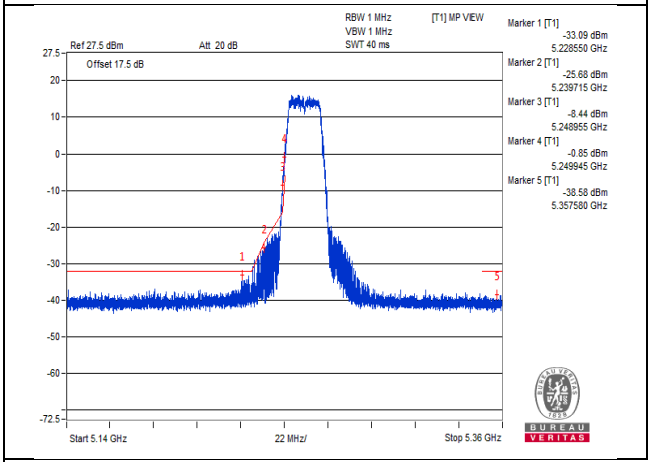
Note: 1. The spectrum plots are attached on the following pages.

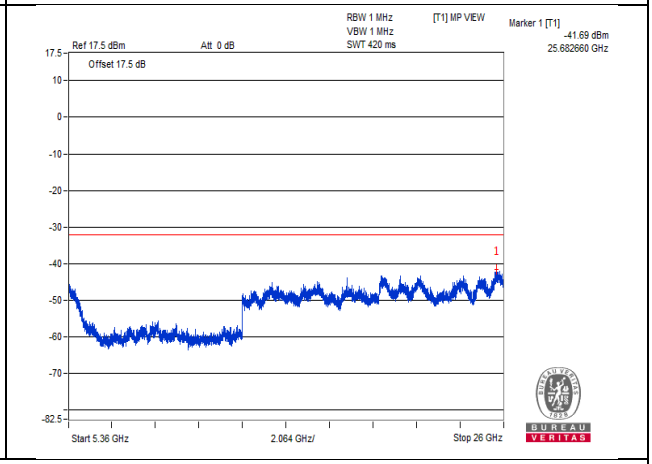
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



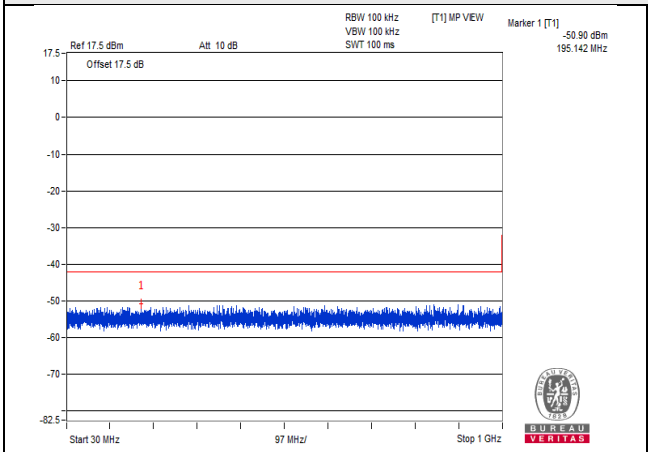


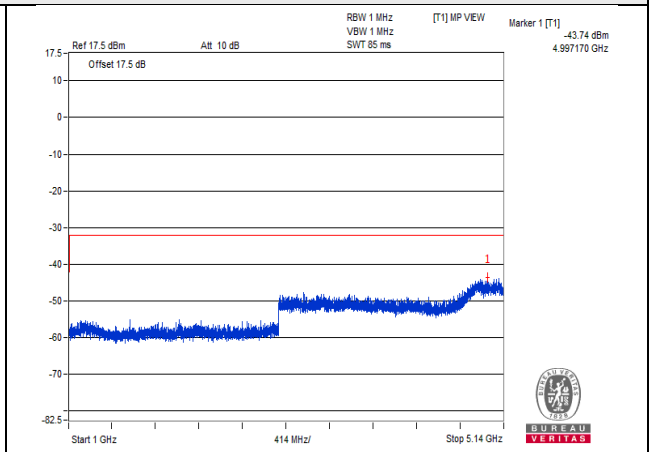


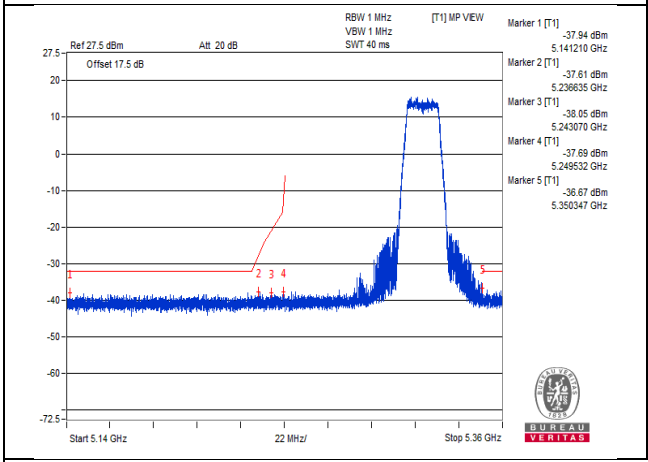


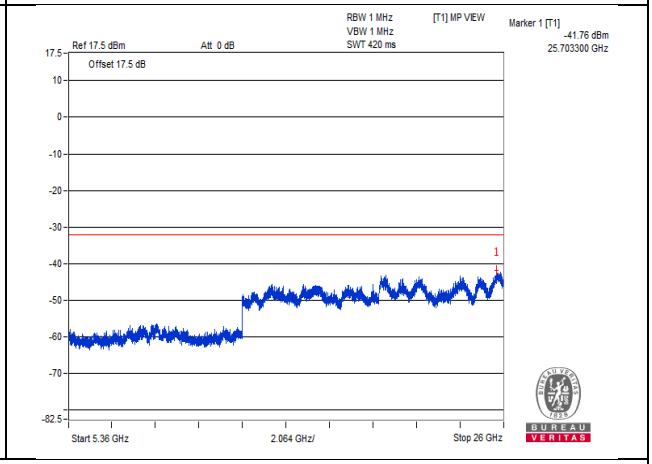
CH 52 (5260MHz)

Vnormal



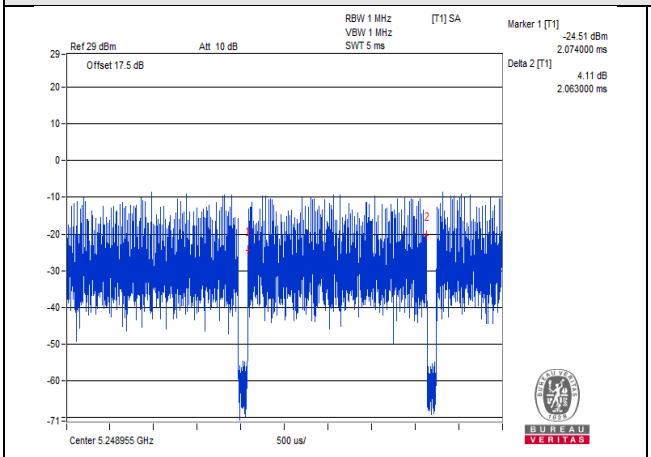


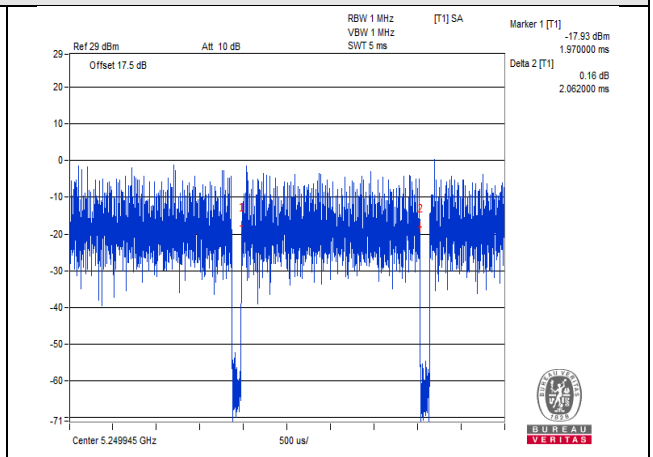




CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





1	5248.955MHz	P = 5.146249uW	2	5249.945MHz	P = 30.867171uW

[Worst result] x [Number of antenna ports]

Test Channel		CH 36 (5180MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.042468	0.248	Pass
	1000.0 to 5140.0	0.256484	2.5	Pass
	5140.0 to 5142.0	0.663836	2.5	Pass
	5142.0 to 5150.0	1.213556	15	Pass
	5250.0 to 5251.0	0.528520	683.912	Pass
	5251.0 to 5260.0	0.593008	19.812	Pass
	5260.0 to 5266.7	0.609620	12.88	Pass
	5266.7 to 5360.0	0.690336	2.5	Pass
	5360.0 to 26000.0	0.310500	2.5	Pass
Test Channel		**CH 48 (5240MHz)**		
V_{normal}	30.0 to 1000.0	0.037764	0.248	Pass
	1000.0 to 5140.0	0.198180	2.5	Pass
	5140.0 to 5142.0	0.591644	2.5	Pass
	5142.0 to 5150.0	0.769236	15	Pass
	5250.0 to 5251.0	90.041192	1000	Pass
	5251.0 to 5260.0	10.859940	100	Pass
	5260.0 to 5266.7	4.355720	15.568	Pass
	5266.7 to 5360.0	1.489568	2.5	Pass
	5360.0 to 26000.0	0.282528	2.5	Pass

Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

Test Channel		CH 52 (5260MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.041312	0.248	Pass
	1000.0 to 5140.0	0.236624	2.5	Pass
	5140.0 to 5233.3	2.399164	2.5	Pass
	5233.3 to 5240.0	10.815832	14.652	Pass
	5240.0 to 5249.0	23.229136	99.632	Pass
	5249.0 to 5250.0	129.596240	1000	Pass
	5350.0 to 5360.0	0.732924	2.5	Pass
	5360.0 to 26000.0	0.317732	2.5	Pass
Test Channel		**CH 64 (5320MHz)**		
V_{normal}	30.0 to 1000.0	0.038288	0.248	Pass
	1000.0 to 5140.0	0.191892	2.5	Pass
	5140.0 to 5233.3	0.748272	2.5	Pass
	5233.3 to 5240.0	0.753460	7.128	Pass
	5240.0 to 5249.0	0.679296	39.584	Pass
	5249.0 to 5250.0	0.680864	340.408	Pass
	5350.0 to 5360.0	1.099156	2.5	Pass
	5360.0 to 26000.0	0.287116	2.5	Pass

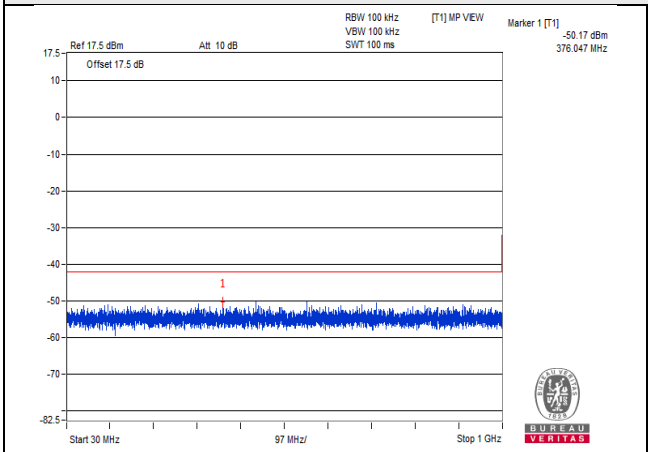
Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

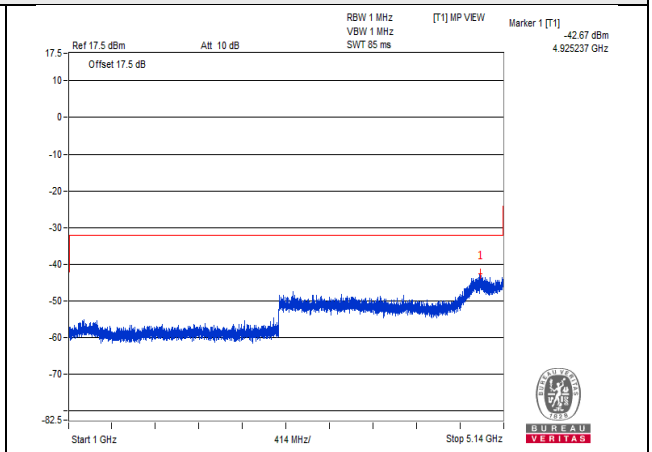
W52 & W53 Bands:
802.11ac (VHT20)
Chain 0

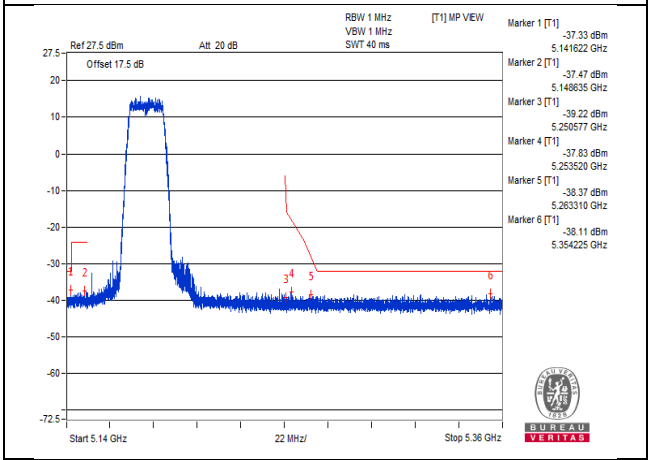
Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	376.047	0.009616	0.062	Pass
	1000.0 to 5140.0	4925.237	0.054075	0.625	Pass
	5140.0 to 5142.0	5141.622	0.184927	0.625	Pass
	5142.0 to 5150.0	5148.635	0.179061	3.750	Pass
	5250.0 to 5251.0	5250.577	0.119674	66.213	Pass
	5251.0 to 5260.0	5253.520	0.164816	14.926	Pass
	5260.0 to 5266.7	5263.310	0.145546	1.591	Pass
	5266.7 to 5360.0	5354.225	0.154525	0.625	Pass
	5360.0 to 26000.0	25711.040	0.067920	0.625	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	928.220	0.008610	0.062	Pass
	1000.0 to 5140.0	4932.482	0.040458	0.625	Pass
	5140.0 to 5142.0	5140.110	0.163682	0.625	Pass
	5142.0 to 5150.0	5148.882	0.165577	3.750	Pass
	5250.0 to 5251.0	5250.137	51.689646	182.364	Pass(1)
	5251.0 to 5260.0	5251.000	4.967633	25.000	Pass(2)
	5260.0 to 5266.7	5260.312	0.933254	3.636	Pass
	5266.7 to 5360.0	5357.607	0.171791	0.625	Pass
	5360.0 to 26000.0	25850.360	0.065163	0.625	Pass

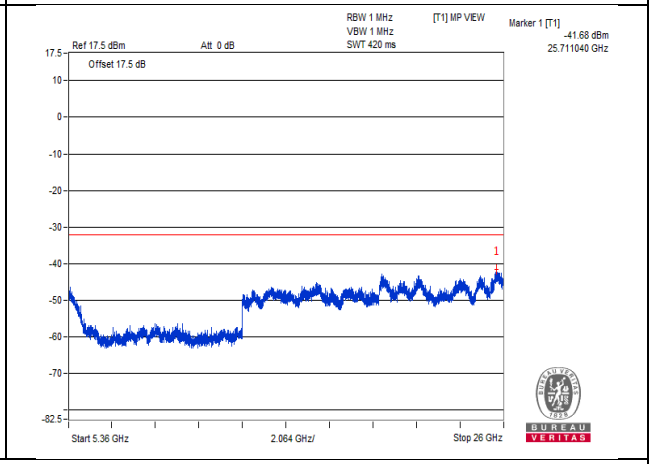
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



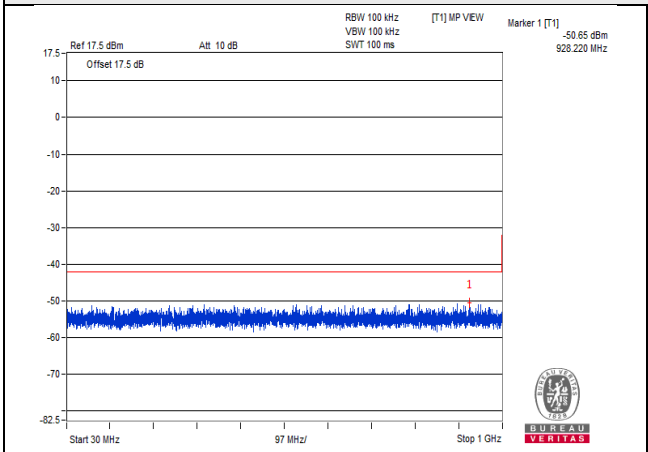


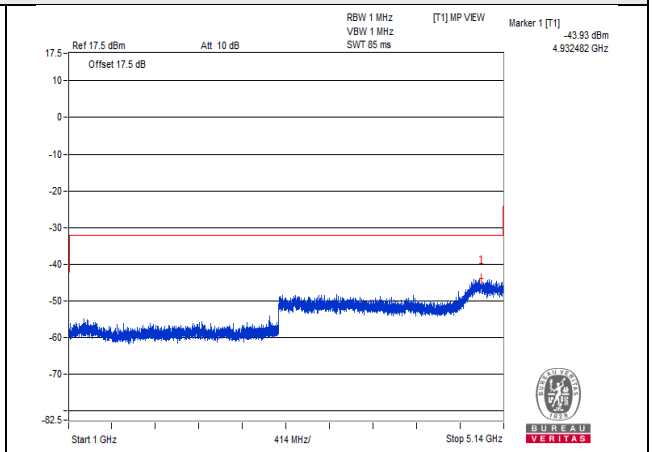


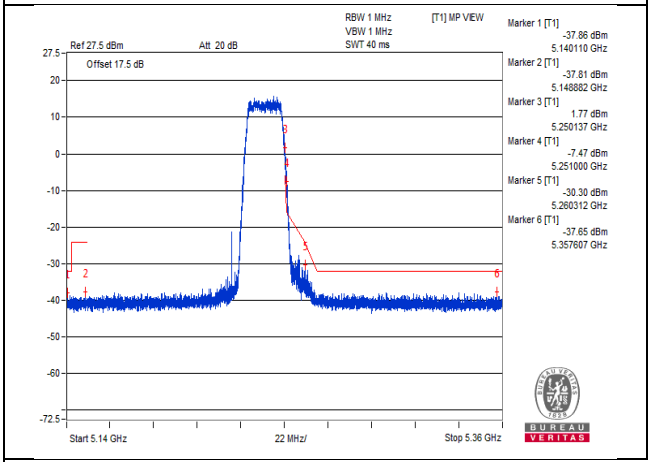


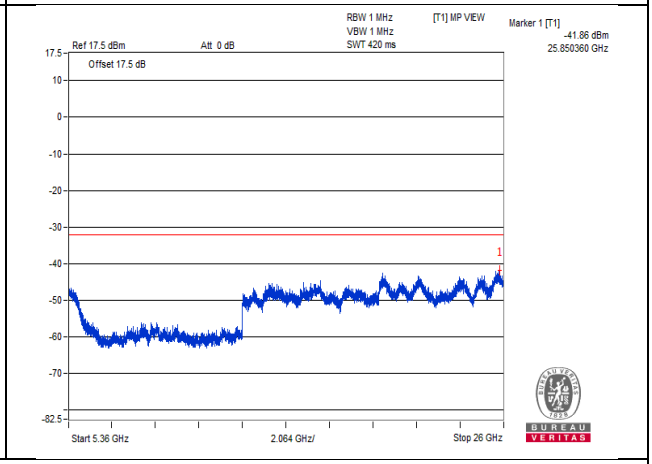
CH 36 (5180MHz)

Vnormal





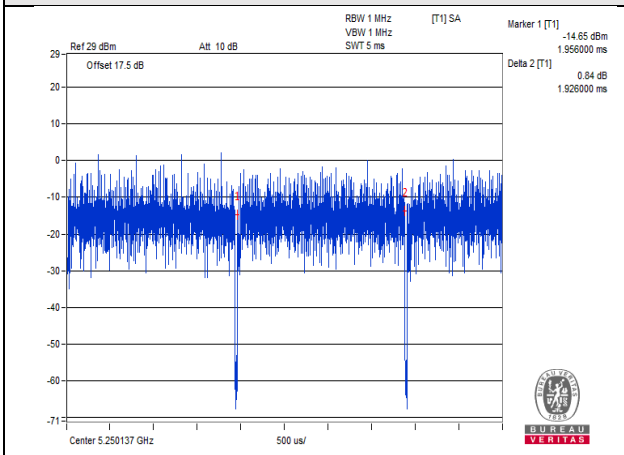


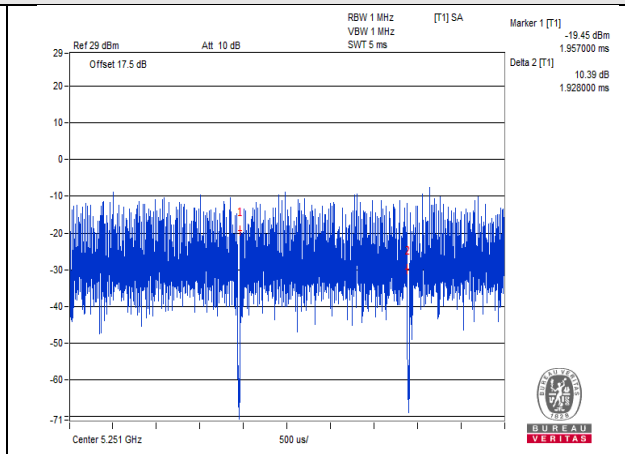


CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal





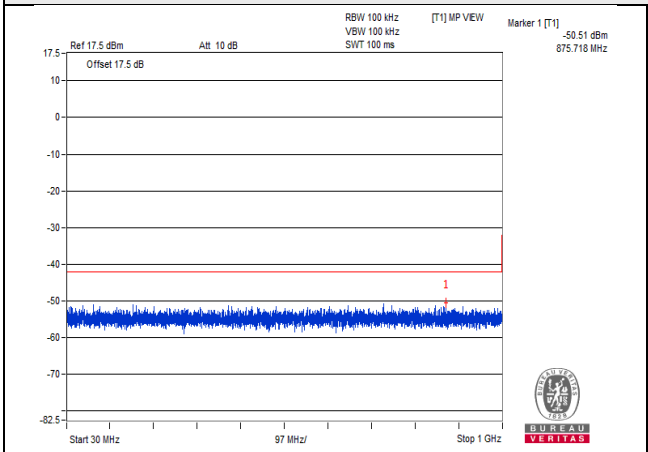
1	5250.137MHz	P = 51.689646uW	2	5251.000MHz	P = 4.967633uW

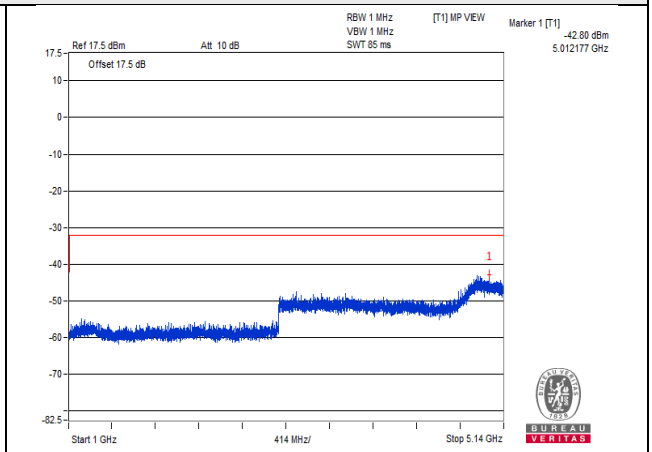
Test Channel		CH 52 (5260MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	875.718	0.008892	0.062	Pass
	1000.0 to 5140.0	5012.177	0.052481	0.625	Pass
	5140.0 to 5233.3	5232.070	0.215278	0.625	Pass
	5233.3 to 5240.0	5235.287	0.651628	1.081	Pass
	5240.0 to 5249.0	5249.000	10.153878	25.000	Pass(1)
	5249.0 to 5250.0	5249.917	91.797750	206.509	Pass(2)
	5350.0 to 5360.0	5356.947	0.148936	0.625	Pass
	5360.0 to 26000.0	25855.520	0.065615	0.625	Pass
Test Channel		CH 64 (5320MHz)			
V_{normal}	30.0 to 1000.0	897.301	0.008551	0.062	Pass
	1000.0 to 5140.0	4937.140	0.038994	0.625	Pass
	5140.0 to 5233.3	5192.085	0.178238	0.625	Pass
	5233.3 to 5240.0	5233.445	0.190108	0.650	Pass
	5240.0 to 5249.0	5243.125	0.149624	7.511	Pass
	5249.0 to 5250.0	5249.752	0.098628	141.234	Pass
	5350.0 to 5360.0	5351.145	0.186209	0.625	Pass
	5360.0 to 26000.0	25674.920	0.063680	0.625	Pass

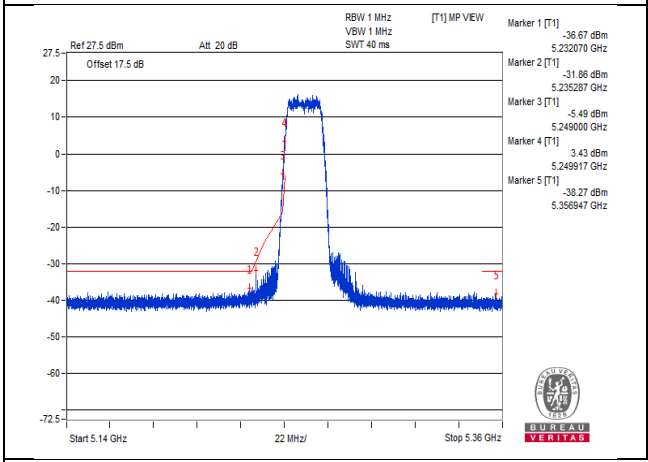
Note: 1. The spectrum plots are attached on the following pages.

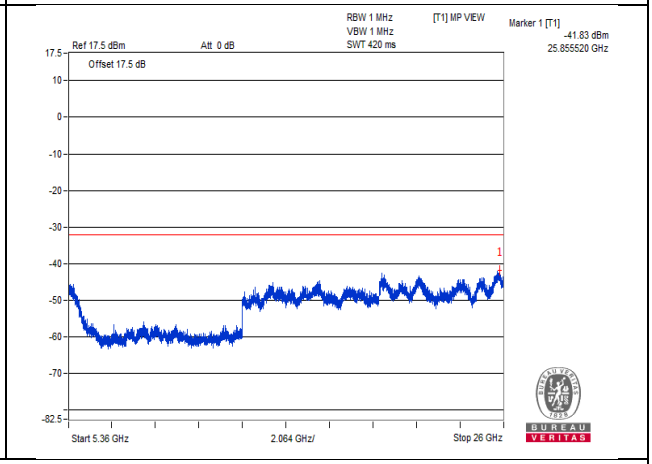
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



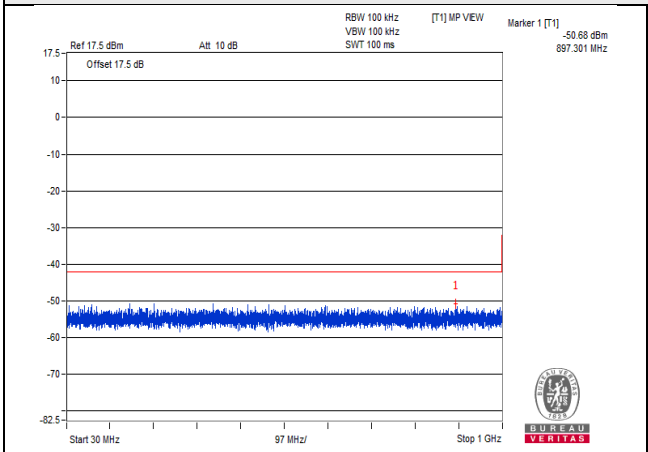


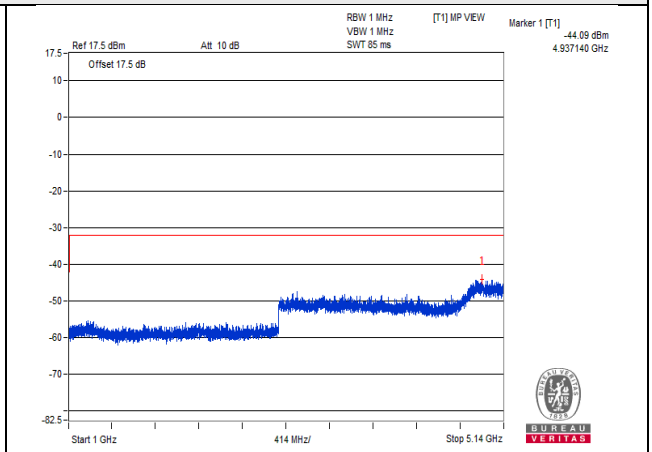


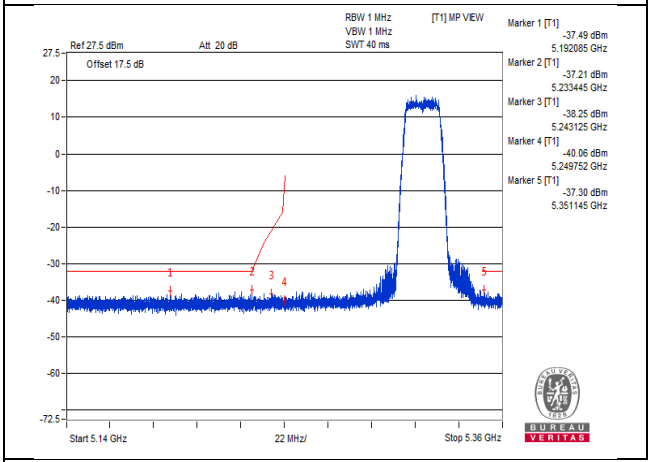


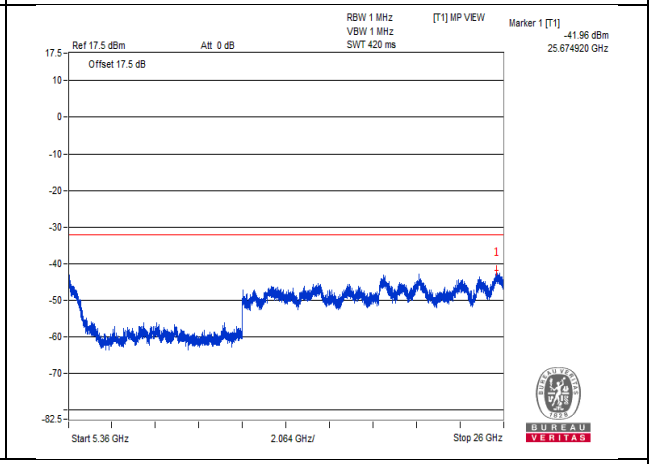
CH 52 (5260MHz)

Vnormal



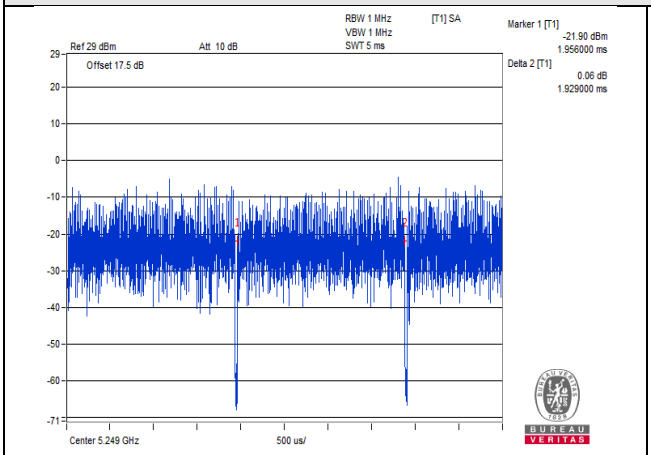


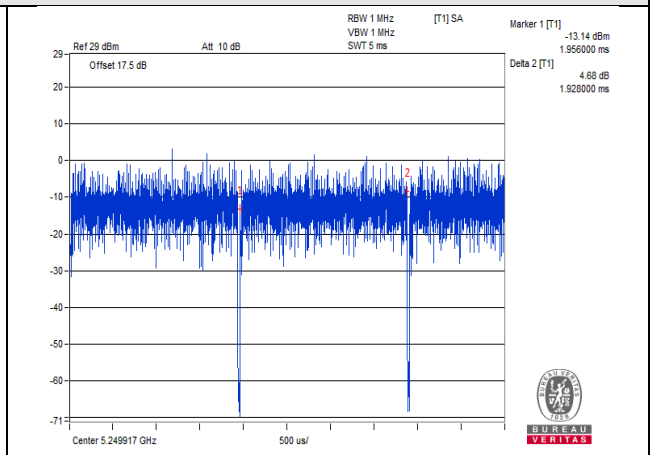




CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





1	5249.000MHz	P = 10.153878uW	2	5249.917MHz	P = 91.79775uW

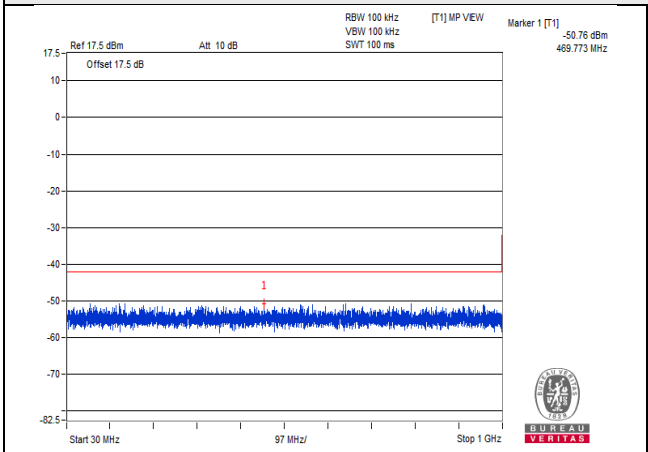
Chain 1

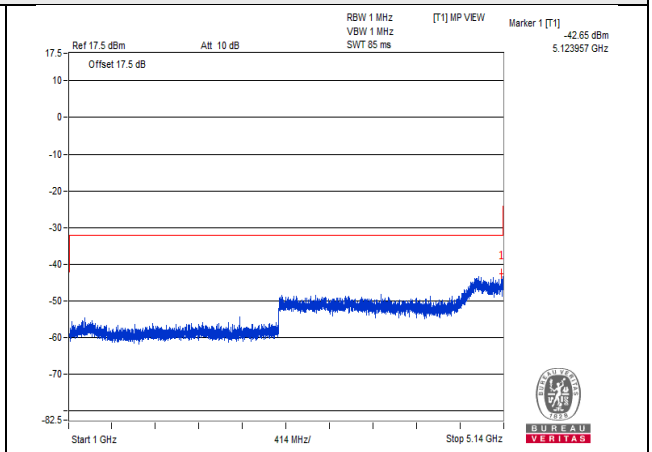
Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	469.773	0.008395	0.062	Pass
	1000.0 to 5140.0	5123.957	0.054325	0.625	Pass
	5140.0 to 5142.0	5142.000	0.123310	0.625	Pass
	5142.0 to 5150.0	5149.872	0.212324	3.750	Pass
	5250.0 to 5251.0	5250.275	0.115345	132.721	Pass
	5251.0 to 5260.0	5253.382	0.151705	15.353	Pass
	5260.0 to 5266.7	5261.935	0.202768	2.324	Pass
	5266.7 to 5360.0	5314.707	0.179473	0.625	Pass
	5360.0 to 26000.0	25752.320	0.062951	0.625	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	960.351	0.009750	0.062	Pass
	1000.0 to 5140.0	5014.247	0.048641	0.625	Pass
	5140.0 to 5142.0	5140.440	0.128529	0.625	Pass
	5142.0 to 5150.0	5145.555	0.147571	3.750	Pass
	5250.0 to 5251.0	5250.055	70.247763	220.262	Pass(1)
	5251.0 to 5260.0	5251.017	5.055527	24.913	Pass(2)
	5260.0 to 5266.7	5260.367	1.250259	3.581	Pass
	5266.7 to 5360.0	5268.507	0.175792	0.625	Pass
	5360.0 to 26000.0	25767.800	0.058884	0.625	Pass

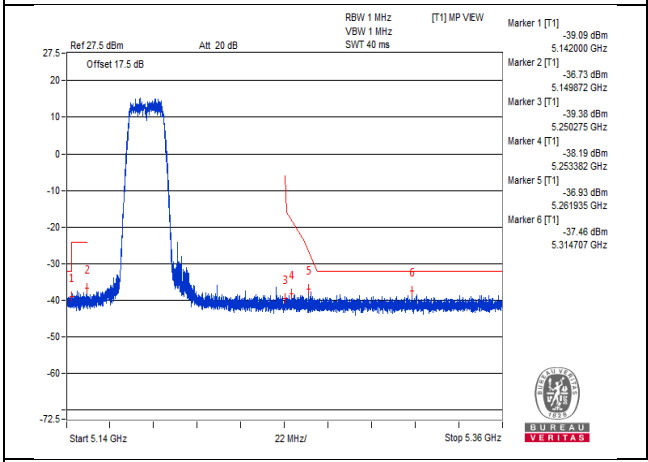
Note: 1. The spectrum plots are attached on the following pages.

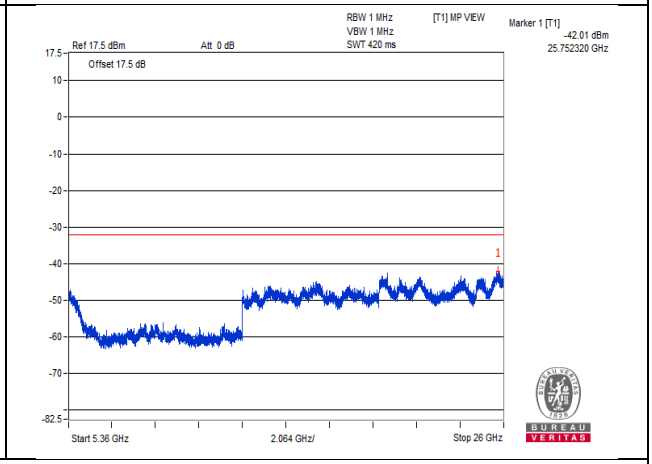
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



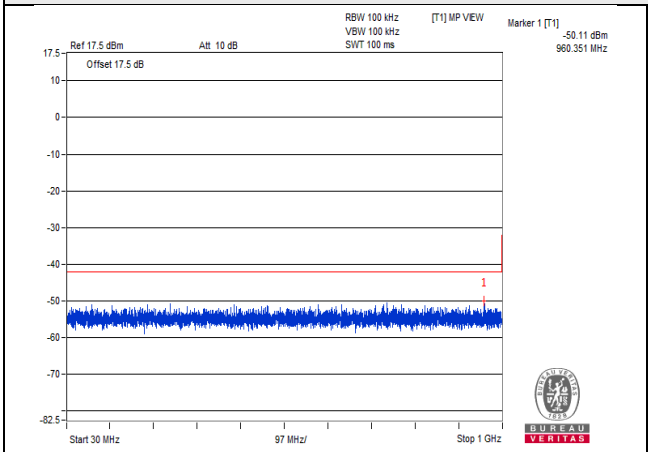


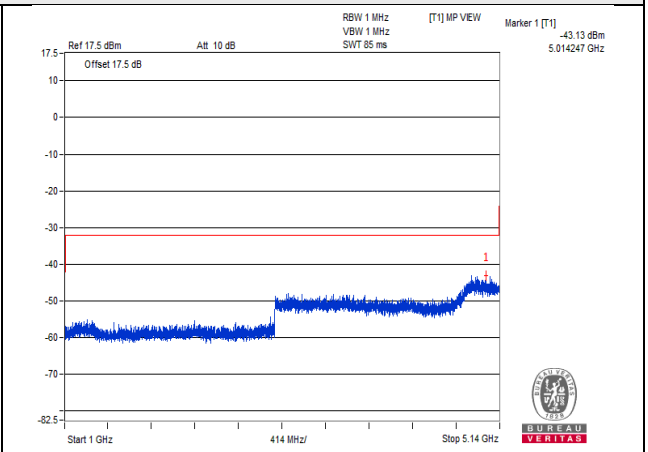


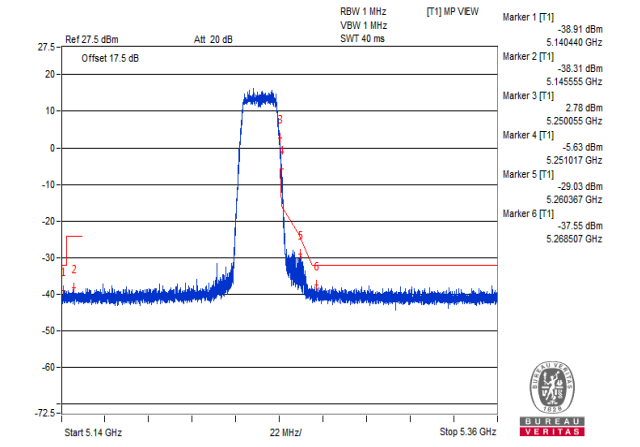


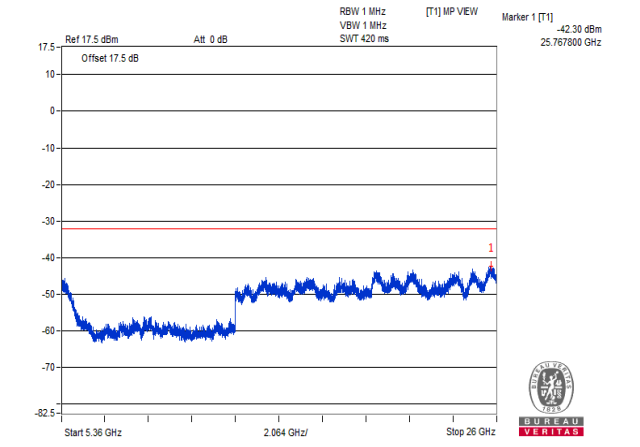
CH 36 (5180MHz)

Vnormal





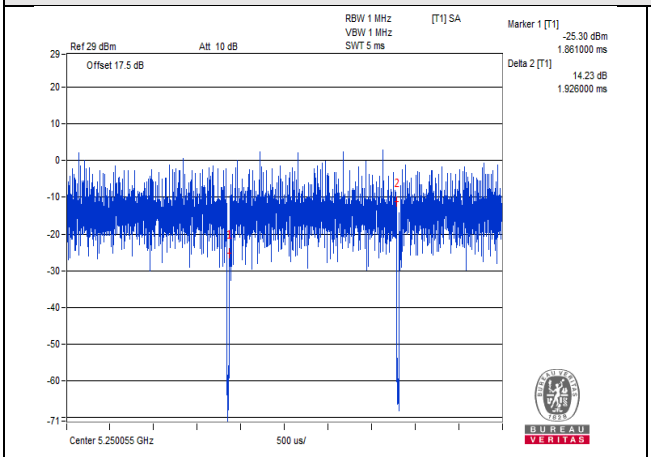


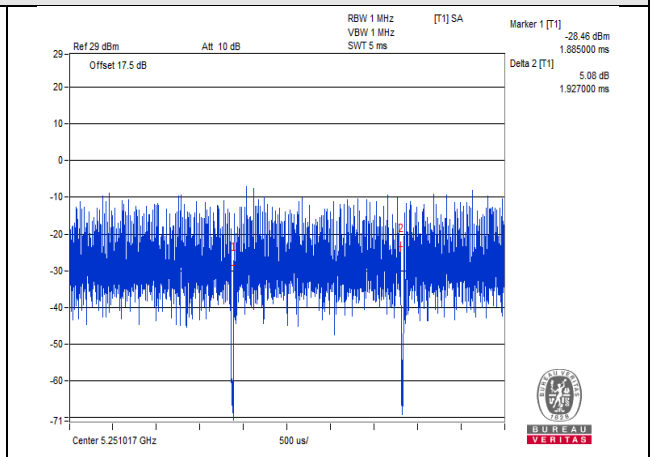


CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal





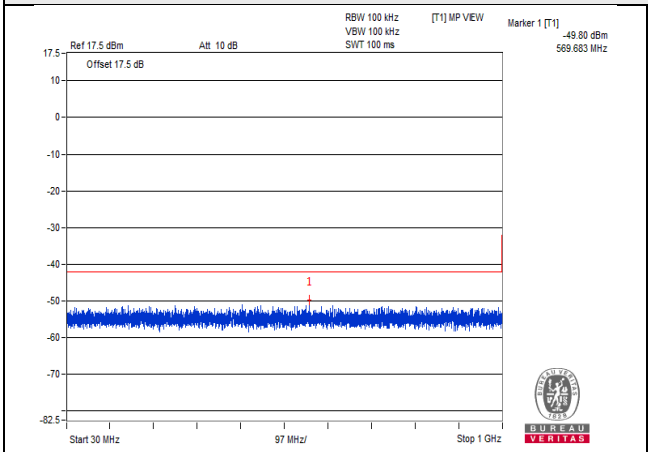
1	5250.055MHz	P = 70.247763uW	2	5251.017MHz	P = 5.055527uW

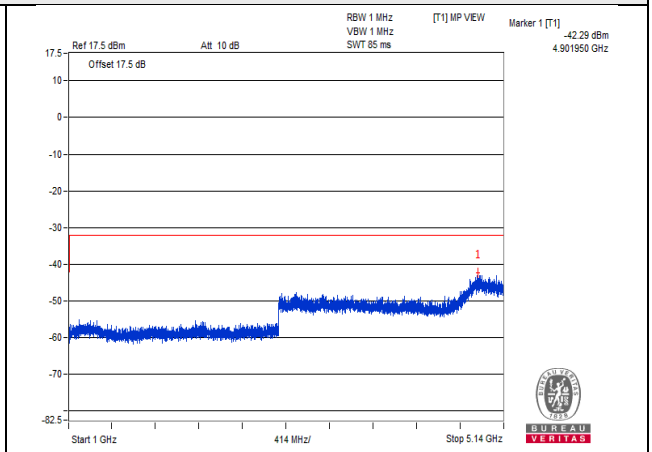
Test Channel		CH 52 (5260MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	569.683	0.010471	0.062	Pass
	1000.0 to 5140.0	4901.950	0.059020	0.625	Pass
	5140.0 to 5233.3	5229.732	0.460257	0.625	Pass
	5233.3 to 5240.0	5239.137	0.668344	3.123	Pass
	5240.0 to 5249.0	5248.790	7.137787	23.948	Pass(1)
	5249.0 to 5250.0	5249.945	109.481890	220.262	Pass(2)
	5350.0 to 5360.0	5353.152	0.136773	0.625	Pass
	5360.0 to 26000.0	25878.740	0.062951	0.625	Pass
Test Channel		CH 64 (5320MHz)			
V_{normal}	30.0 to 1000.0	327.911	0.009528	0.062	Pass
	1000.0 to 5140.0	5016.835	0.048865	0.625	Pass
	5140.0 to 5233.3	5146.352	0.157761	0.625	Pass
	5233.3 to 5240.0	5237.625	0.146555	2.059	Pass
	5240.0 to 5249.0	5244.280	0.161065	9.514	Pass
	5249.0 to 5250.0	5249.615	0.149624	103.024	Pass
	5350.0 to 5360.0	5355.352	0.179887	0.625	Pass
	5360.0 to 26000.0	25762.640	0.073961	0.625	Pass

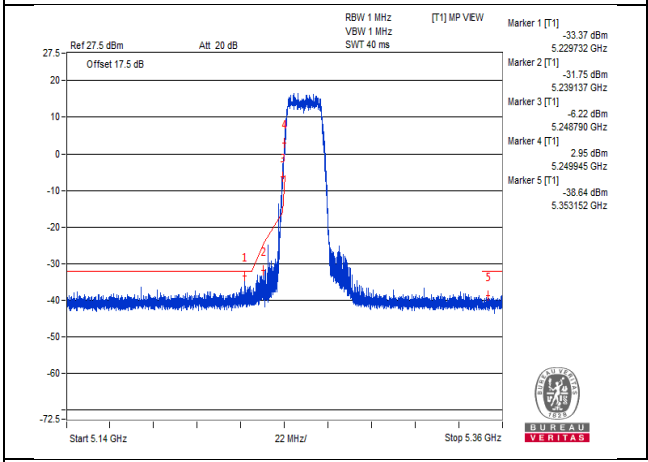
Note: 1. The spectrum plots are attached on the following pages.

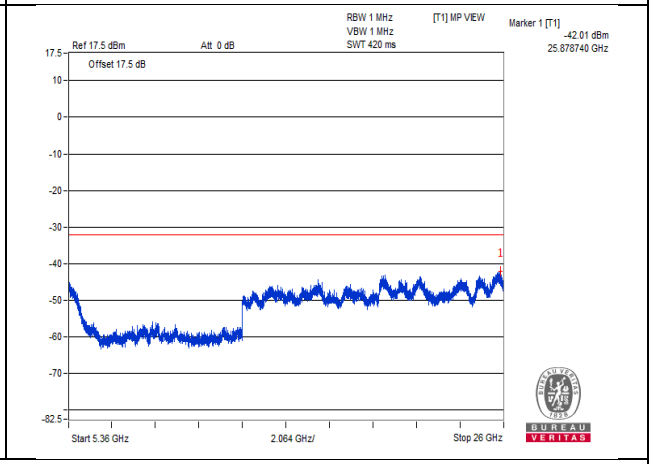
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



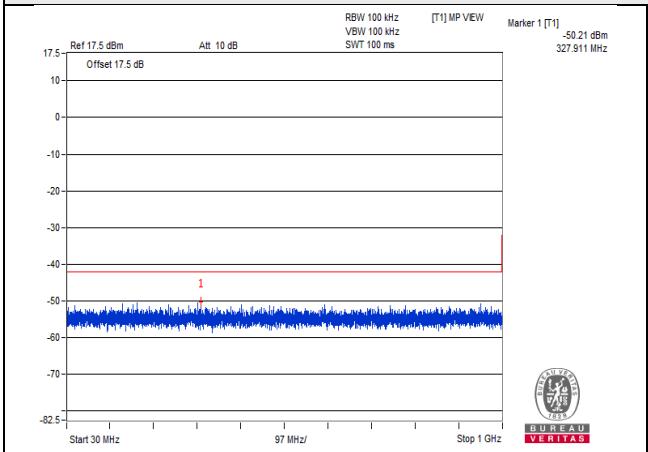


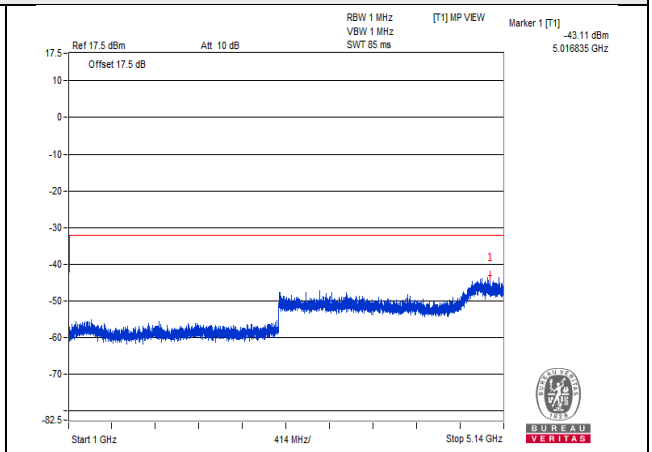


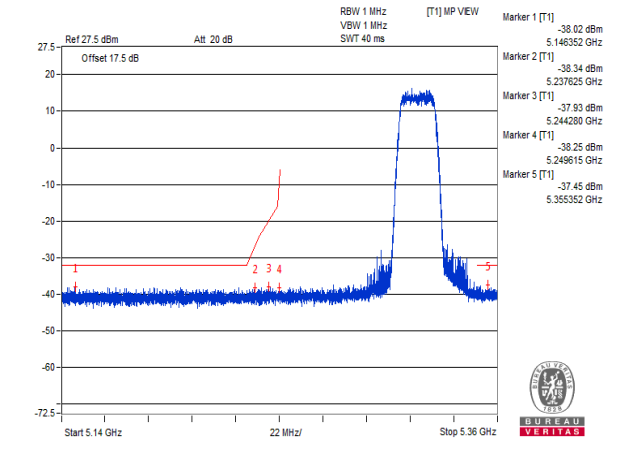


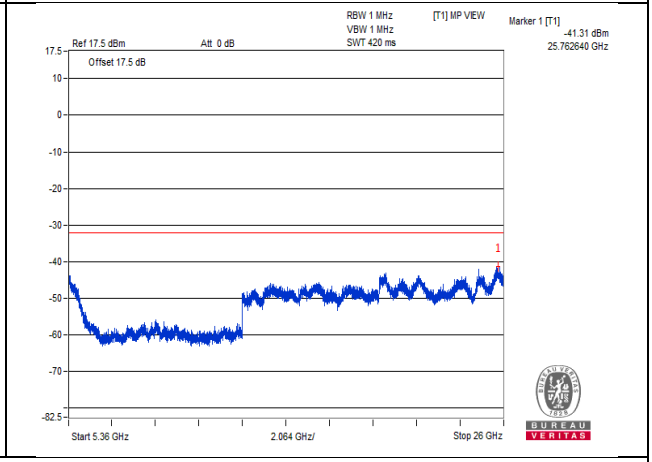
CH 52 (5260MHz)

Vnormal

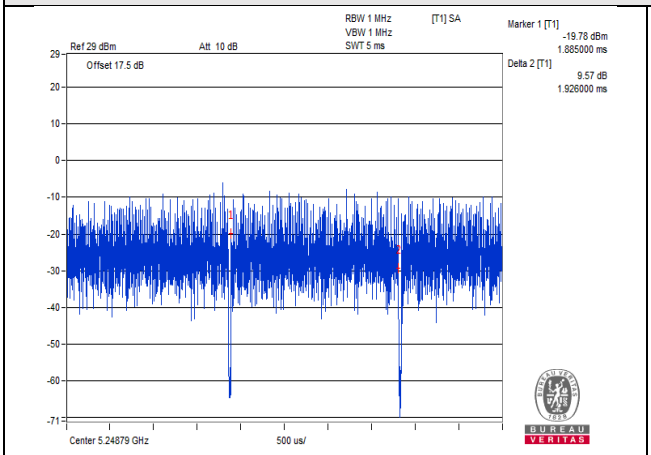
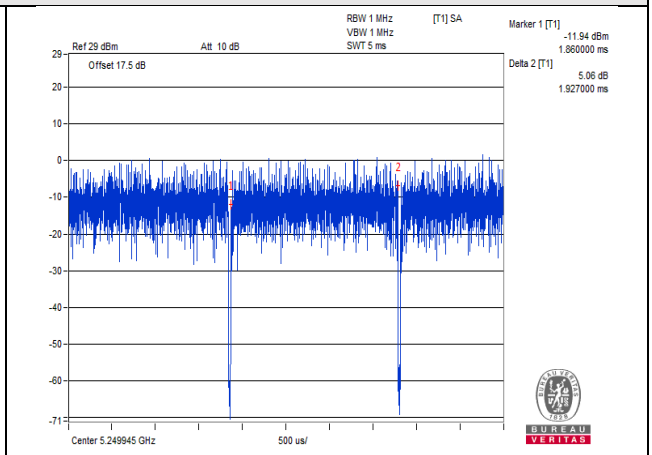








CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5248.790MHz	P = 7.137787uW	2	5249.945MHz	P = 109.48189uW

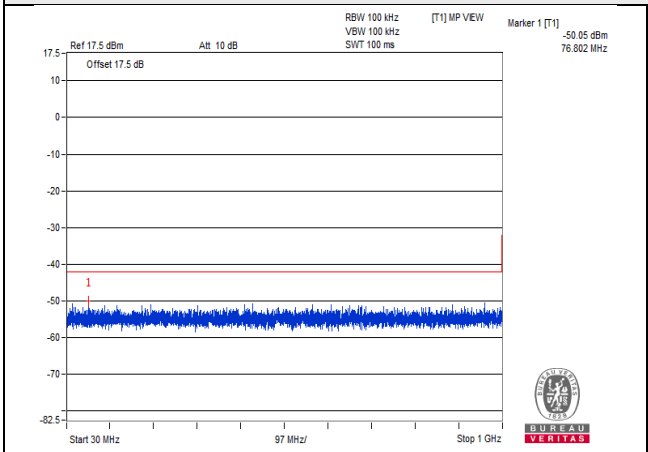
Chain 2

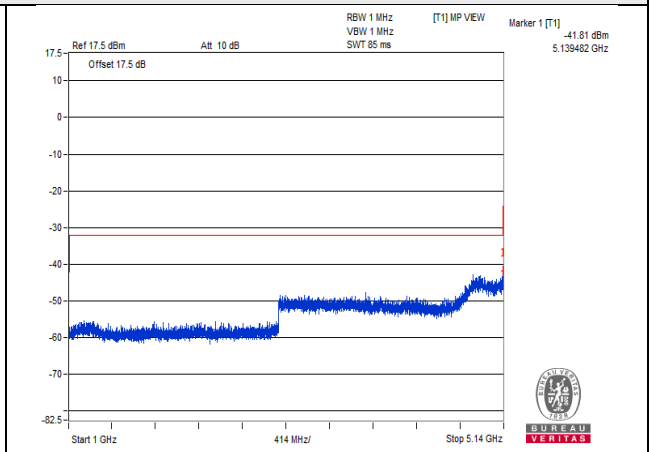
Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	76.802	0.009886	0.062	Pass
	1000.0 to 5140.0	5139.482	0.065917	0.625	Pass
	5140.0 to 5142.0	5141.402	0.143219	0.625	Pass
	5142.0 to 5150.0	5149.790	0.179061	3.750	Pass
	5250.0 to 5251.0	5250.027	0.110917	234.931	Pass
	5251.0 to 5260.0	5256.462	0.174985	8.174	Pass
	5260.0 to 5266.7	5266.115	0.132130	0.734	Pass
	5266.7 to 5360.0	5342.482	0.154882	0.625	Pass
	5360.0 to 26000.0	25850.360	0.076033	0.625	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	201.690	0.009484	0.062	Pass
	1000.0 to 5140.0	4895.222	0.044771	0.625	Pass
	5140.0 to 5142.0	5141.072	0.131220	0.625	Pass
	5142.0 to 5150.0	5146.407	0.166725	3.750	Pass
	5250.0 to 5251.0	5250.000	89.541797	250.000	Pass(1)
	5251.0 to 5260.0	5251.072	4.714980	24.634	Pass(2)
	5260.0 to 5266.7	5261.137	1.069055	2.896	Pass
	5266.7 to 5360.0	5266.802	0.296483	0.625	Pass
	5360.0 to 26000.0	25664.600	0.070958	0.625	Pass

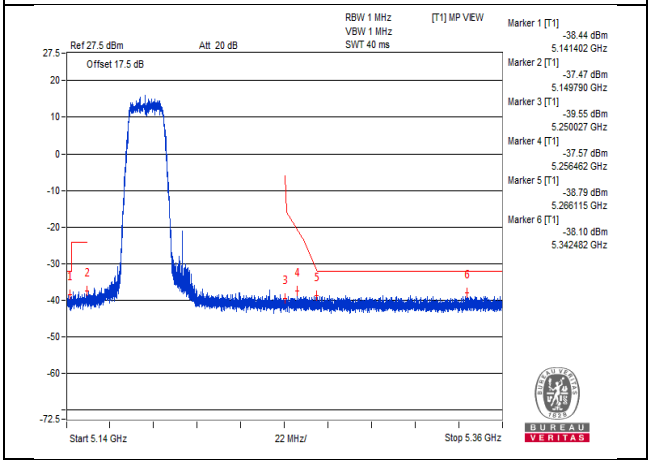
Note: 1. The spectrum plots are attached on the following pages.

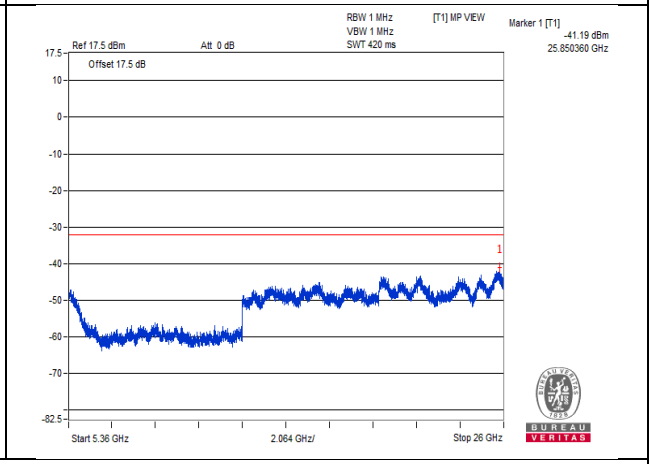
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



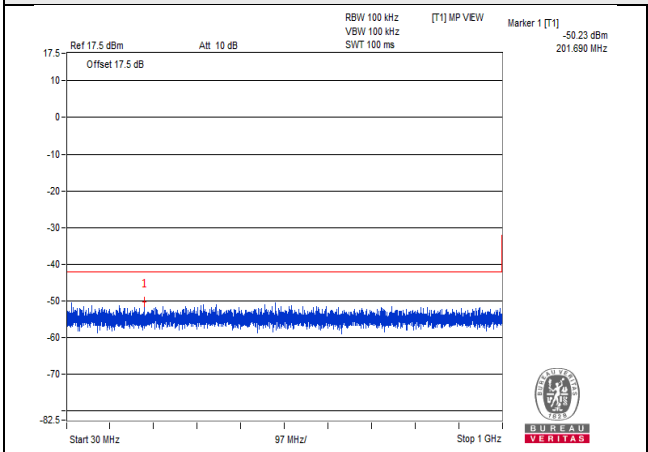


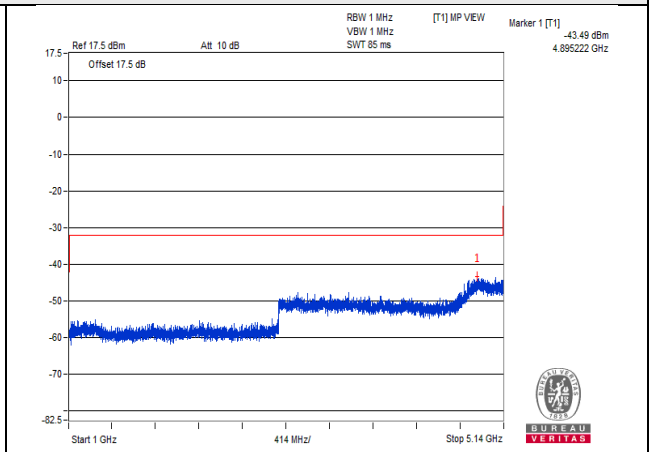


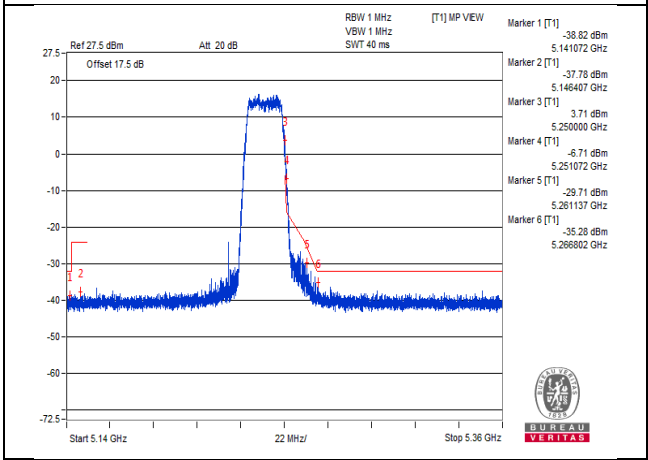


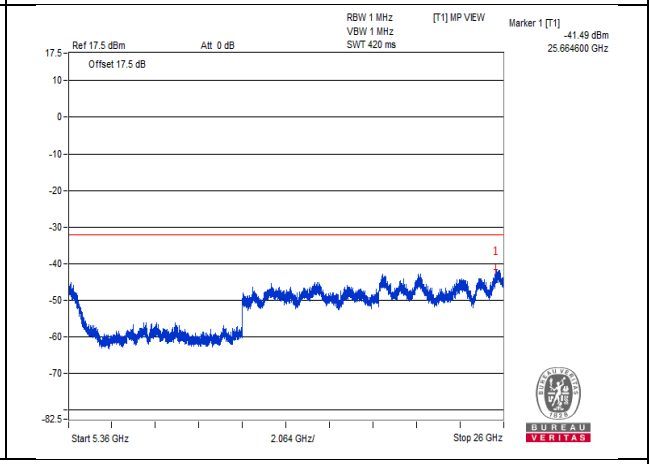
CH 36 (5180MHz)

Vnormal





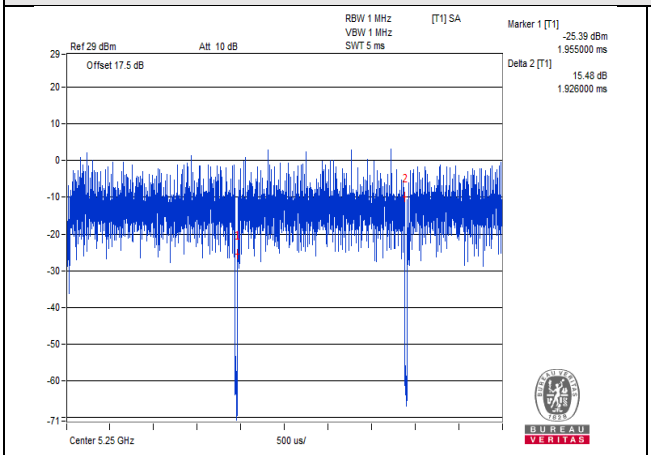


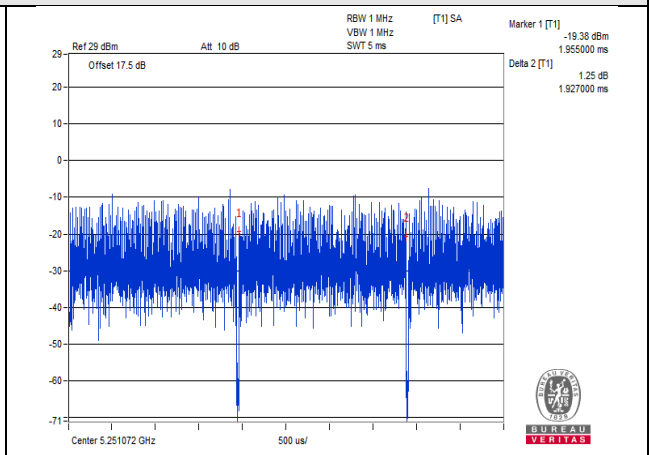


CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal





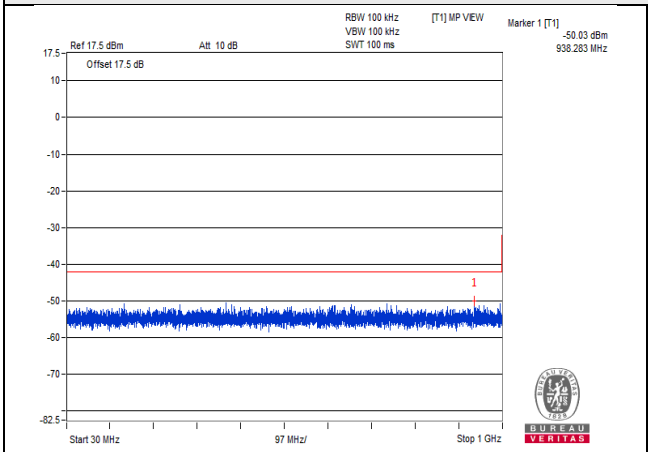
1	5250.000MHz	P = 89.541797uW	2	5251.072MHz	P = 4.71498uW

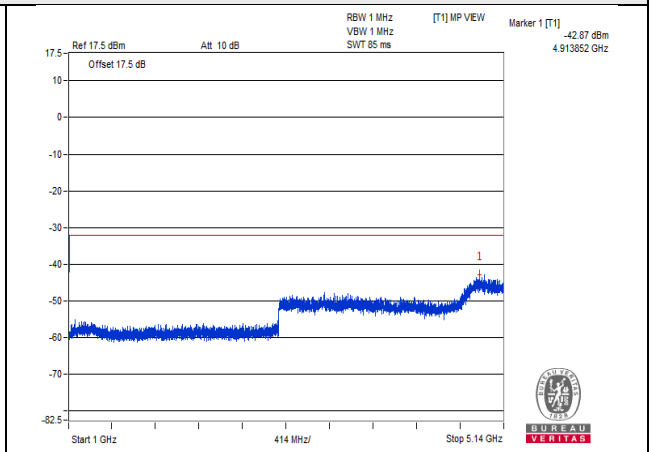
Test Channel		CH 52 (5260MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	938.283	0.009931	0.062	Pass
	1000.0 to 5140.0	4913.852	0.051642	0.625	Pass
	5140.0 to 5233.3	5227.587	0.228560	0.625	Pass
	5233.3 to 5240.0	5236.992	0.559758	1.729	Pass
	5240.0 to 5249.0	5248.982	10.123065	24.908	Pass(1)
	5249.0 to 5250.0	5249.917	97.992027	206.509	Pass(2)
	5350.0 to 5360.0	5356.892	0.146555	0.625	Pass
	5360.0 to 26000.0	25718.780	0.060534	0.625	Pass
Test Channel		CH 64 (5320MHz)			
V_{normal}	30.0 to 1000.0	824.308	0.009550	0.062	Pass
	1000.0 to 5140.0	5031.325	0.045290	0.625	Pass
	5140.0 to 5233.3	5155.152	0.184077	0.625	Pass
	5233.3 to 5240.0	5236.112	0.141254	1.357	Pass
	5240.0 to 5249.0	5243.207	0.154882	7.638	Pass
	5249.0 to 5250.0	5249.780	0.144544	150.640	Pass
	5350.0 to 5360.0	5351.530	0.186209	0.625	Pass
	5360.0 to 26000.0	25680.080	0.062517	0.625	Pass

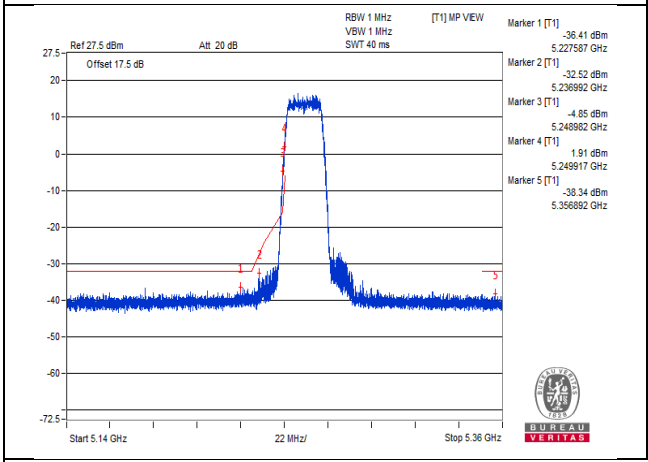
Note: 1. The spectrum plots are attached on the following pages.

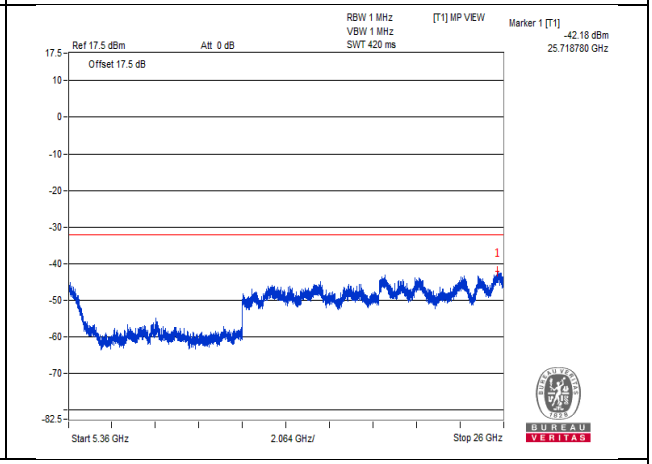
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



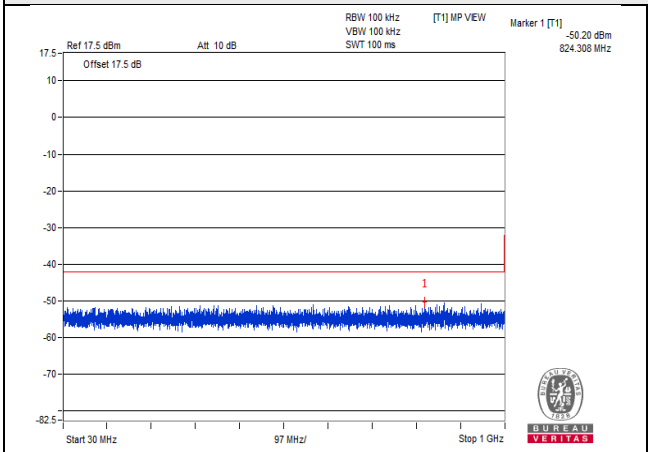


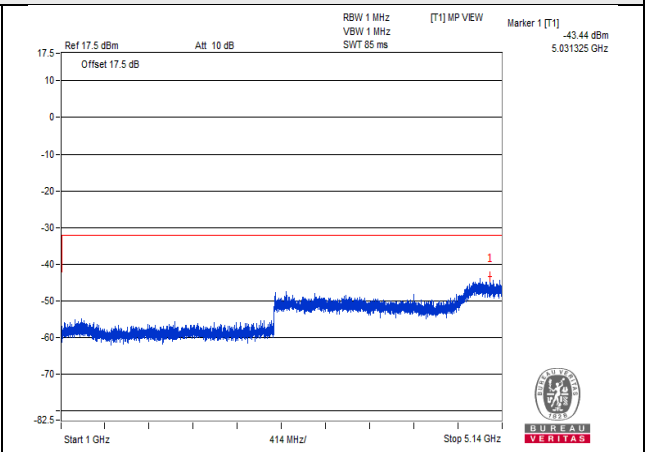


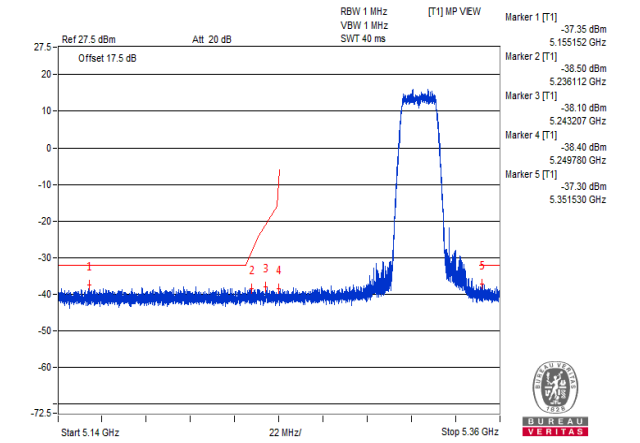


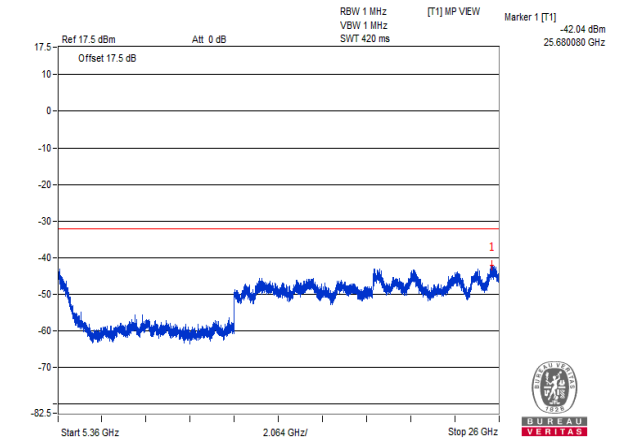
CH 52 (5260MHz)

Vnormal





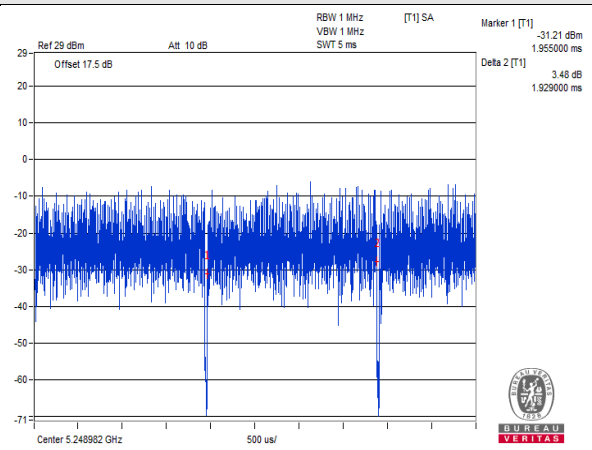


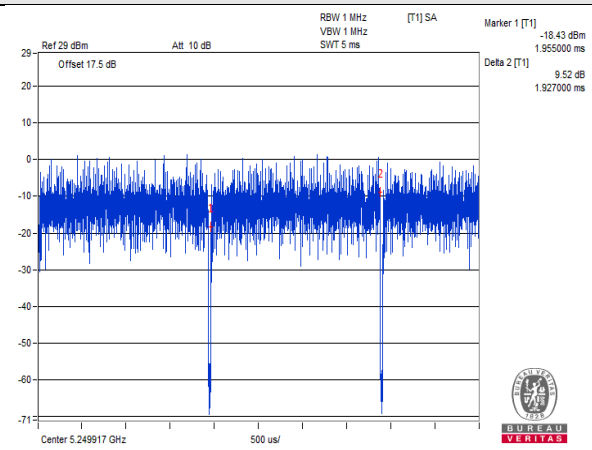


CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal





1	5248.982MHz	P = 10.123065uW	2	5249.917MHz	P = 97.992027uW

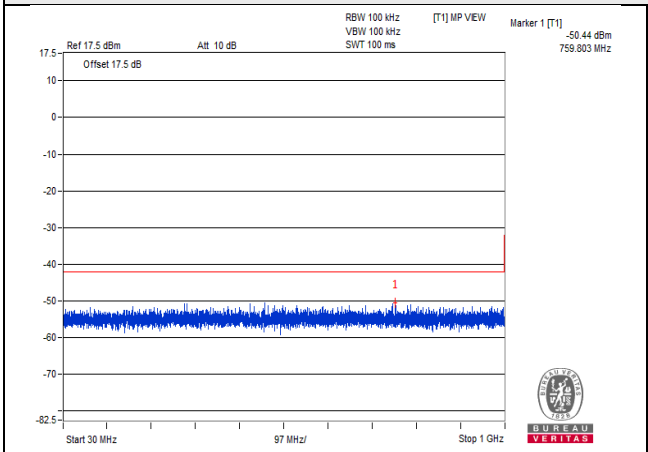
Chain 3

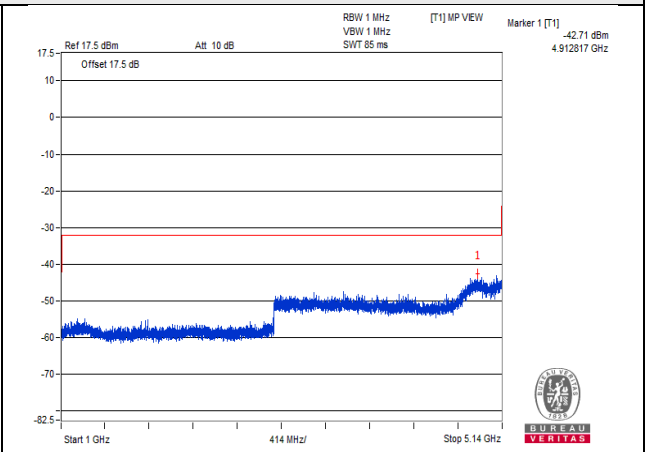
Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	759.803	0.009036	0.062	Pass
	1000.0 to 5140.0	4912.817	0.053580	0.625	Pass
	5140.0 to 5142.0	5141.045	0.139959	0.625	Pass
	5142.0 to 5150.0	5142.420	0.179061	3.750	Pass
	5250.0 to 5251.0	5250.137	0.113240	182.364	Pass
	5251.0 to 5260.0	5252.365	0.161436	18.906	Pass
	5260.0 to 5266.7	5263.117	0.144877	1.678	Pass
	5266.7 to 5360.0	5294.632	0.189234	0.625	Pass
	5360.0 to 26000.0	25863.260	0.065163	0.625	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	299.902	0.008810	0.062	Pass
	1000.0 to 5140.0	4886.942	0.046559	0.625	Pass
	5140.0 to 5142.0	5141.815	0.130017	0.625	Pass
	5142.0 to 5150.0	5147.067	0.123595	3.750	Pass
	5250.0 to 5251.0	5250.000	69.871556	250.000	Pass(1)
	5251.0 to 5260.0	5251.072	4.036854	24.634	Pass(2)
	5260.0 to 5266.7	5260.670	0.954993	3.294	Pass
	5266.7 to 5360.0	5267.407	0.297852	0.625	Pass
	5360.0 to 26000.0	25736.840	0.069984	0.625	Pass

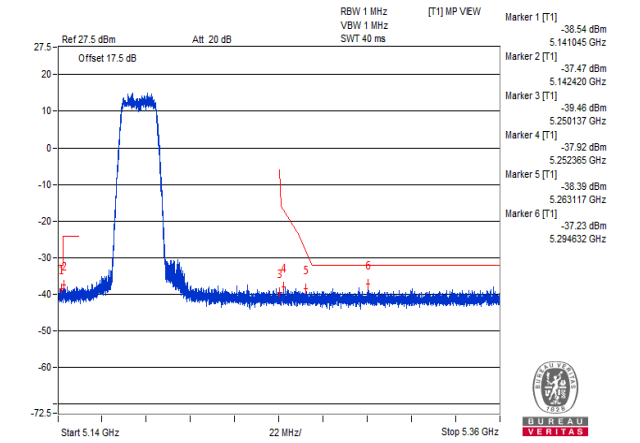
Note: 1. The spectrum plots are attached on the following pages.

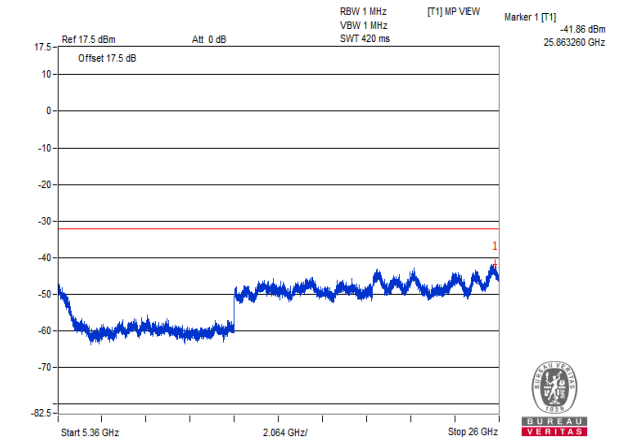
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



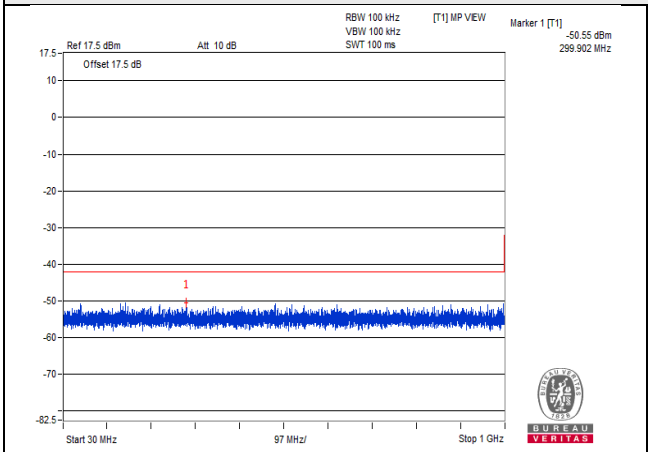


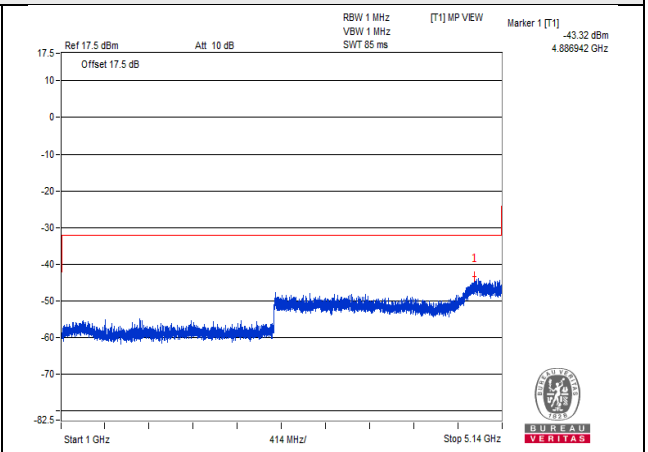


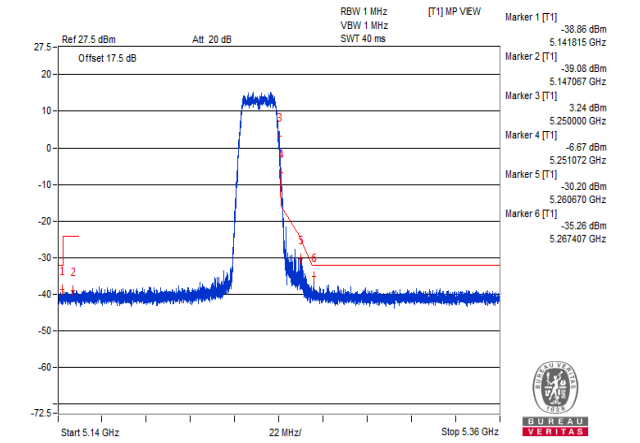


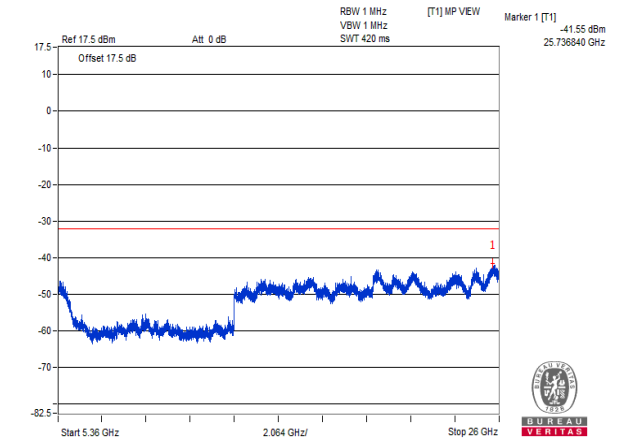
CH 36 (5180MHz)

Vnormal



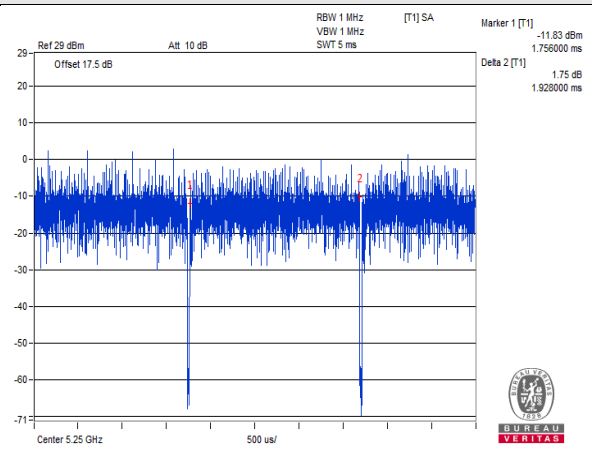


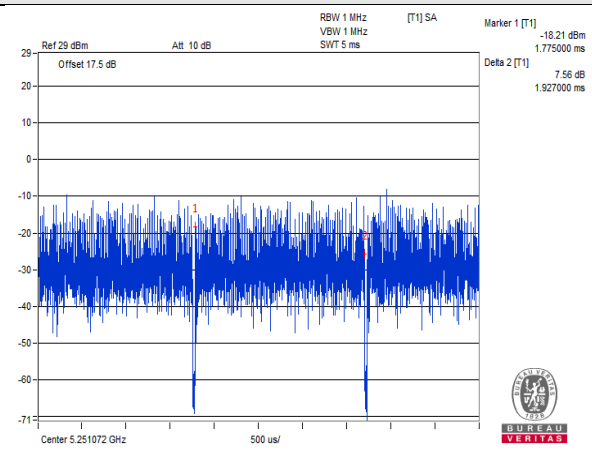




CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





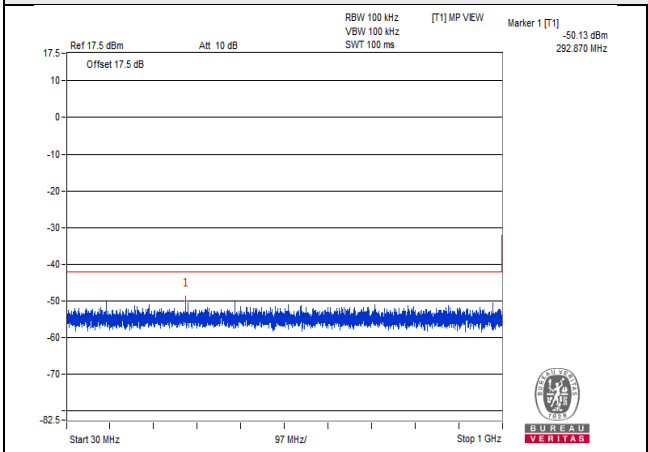
1	5250.000MHz	P = 69.871556uW	2	5251.072MHz	P = 4.036854uW

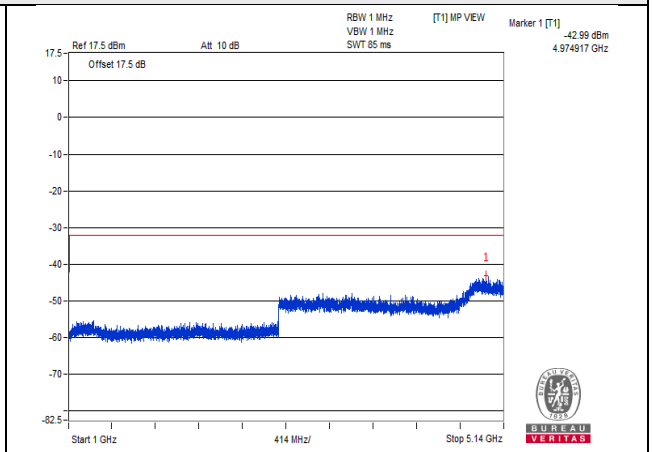
Test Channel		CH 52 (5260MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	292.870	0.009705	0.062	Pass
	1000.0 to 5140.0	4974.917	0.050234	0.625	Pass
	5140.0 to 5233.3	5232.400	0.394457	0.625	Pass
	5233.3 to 5240.0	5238.725	0.572796	2.788	Pass
	5240.0 to 5249.0	5249.000	10.227836	25.000	Pass(1)
	5249.0 to 5250.0	5250.000	112.741309	250.000	Pass(2)
	5350.0 to 5360.0	5353.372	0.136773	0.625	Pass
	5360.0 to 26000.0	25742.000	0.064269	0.625	Pass
Test Channel		**CH 64 (5320MHz)**			
V_{normal}	30.0 to 1000.0	254.191	0.008590	0.062	Pass
	1000.0 to 5140.0	5078.417	0.040832	0.625	Pass
	5140.0 to 5233.3	5231.712	0.170216	0.625	Pass
	5233.3 to 5240.0	5236.442	0.153815	1.486	Pass
	5240.0 to 5249.0	5241.612	0.159956	5.511	Pass
	5249.0 to 5250.0	5249.807	0.139637	160.302	Pass
	5350.0 to 5360.0	5351.860	0.376704	0.625	Pass
	5360.0 to 26000.0	25723.940	0.066681	0.625	Pass

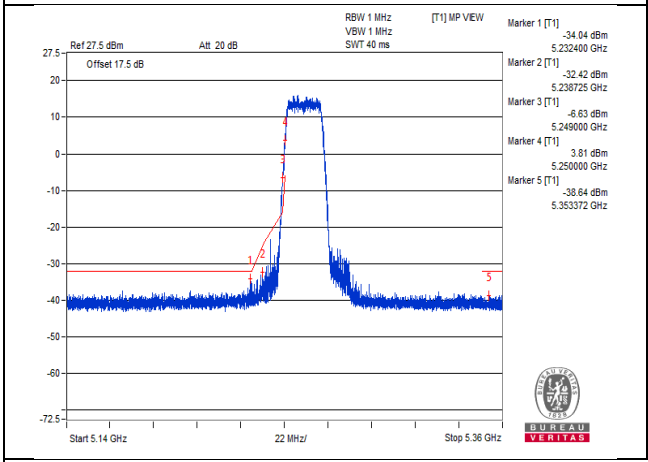
Note: 1. The spectrum plots are attached on the following pages.

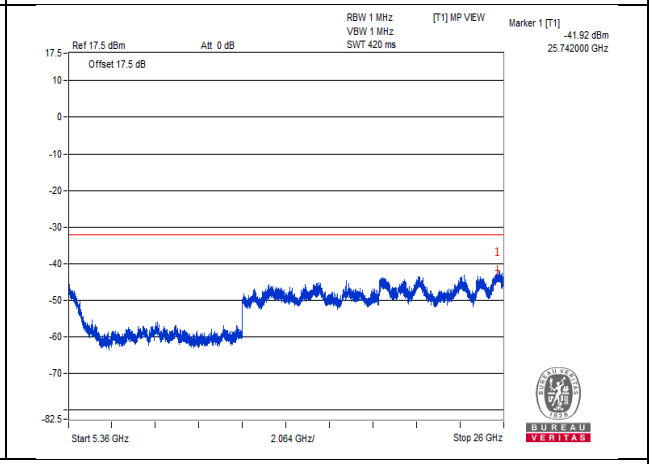
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



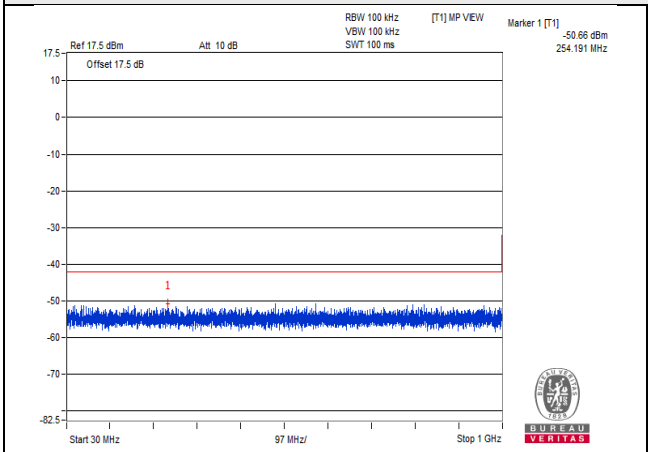


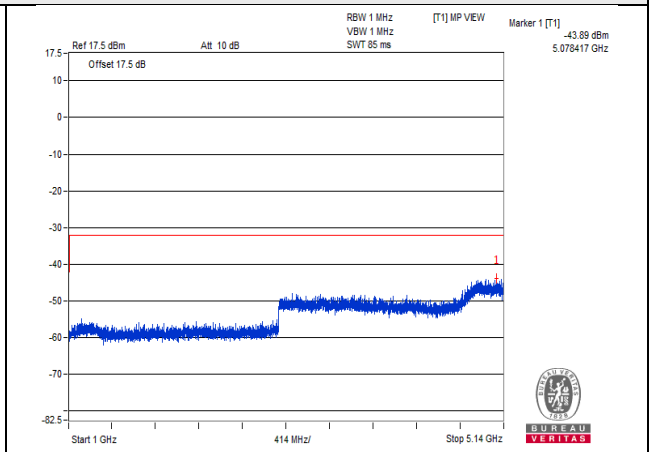


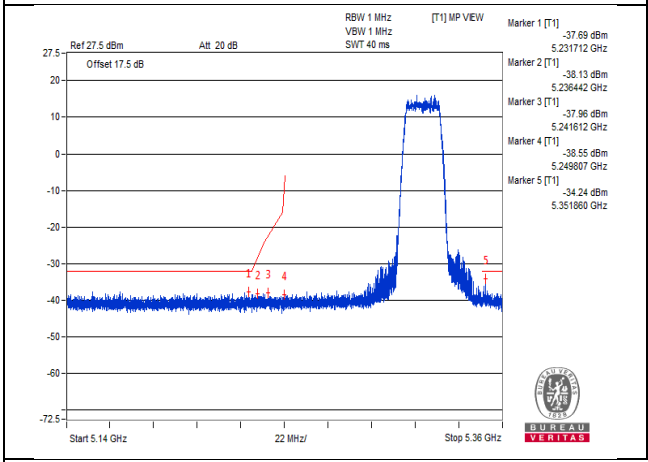


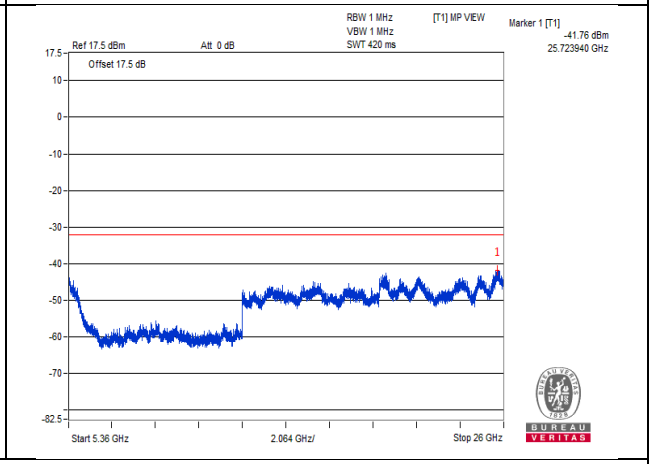
CH 52 (5260MHz)

Vnormal

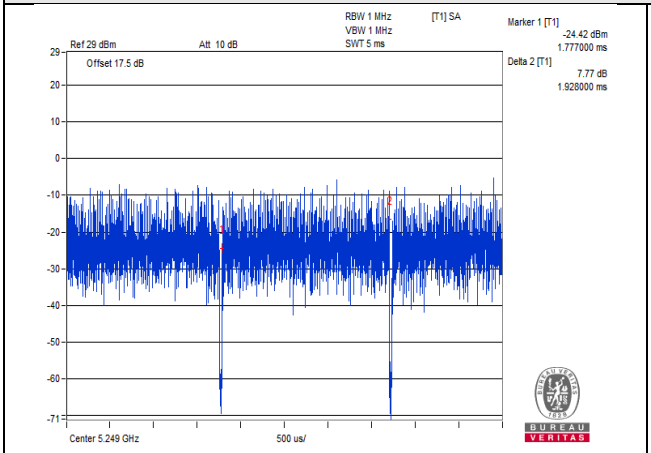
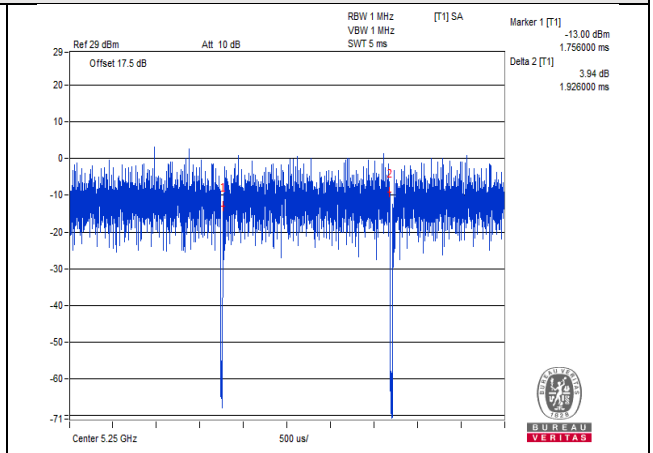








CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5249.000MHz	P = 10.227836uW	2	5250.000MHz	P = 112.741309uW

[Worst result] x [Number of antenna ports]

Test Channel		CH 36 (5180MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.039544	0.248	Pass
	1000.0 to 5140.0	0.263668	2.5	Pass
	5140.0 to 5142.0	0.739708	2.5	Pass
	5142.0 to 5150.0	0.849296	15	Pass
	5250.0 to 5251.0	0.478696	264.852	Pass
	5251.0 to 5260.0	0.699940	32.696	Pass
	5260.0 to 5266.7	0.811072	9.296	Pass
	5266.7 to 5360.0	0.756936	2.5	Pass
	5360.0 to 26000.0	0.304132	2.5	Pass
Test Channel		**CH 48 (5240MHz)**		
V_{normal}	30.0 to 1000.0	0.039000	0.248	Pass
	1000.0 to 5140.0	0.194564	2.5	Pass
	5140.0 to 5142.0	0.654728	2.5	Pass
	5142.0 to 5150.0	0.666900	15	Pass
	5250.0 to 5251.0	358.167188	1000	Pass
	5251.0 to 5260.0	20.222108	99.652	Pass
	5260.0 to 5266.7	5.001036	14.324	Pass
	5266.7 to 5360.0	1.191408	2.5	Pass
	5360.0 to 26000.0	0.283832	2.5	Pass

Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

Test Channel		CH 52 (5260MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.041884	0.248	Pass
	1000.0 to 5140.0	0.236080	2.5	Pass
	5140.0 to 5233.3	1.841028	2.5	Pass
	5233.3 to 5240.0	2.673376	12.492	Pass
	5240.0 to 5249.0	40.911344	100	Pass
	5249.0 to 5250.0	450.965236	1000	Pass
	5350.0 to 5360.0	0.595744	2.5	Pass
	5360.0 to 26000.0	0.262460	2.5	Pass
Test Channel		**CH 64 (5320MHz)**		
V_{normal}	30.0 to 1000.0	0.038200	0.248	Pass
	1000.0 to 5140.0	0.195460	2.5	Pass
	5140.0 to 5233.3	0.736308	2.5	Pass
	5233.3 to 5240.0	0.760432	2.6	Pass
	5240.0 to 5249.0	0.644260	38.056	Pass
	5249.0 to 5250.0	0.598496	412.096	Pass
	5350.0 to 5360.0	1.506816	2.5	Pass
	5360.0 to 26000.0	0.295844	2.5	Pass

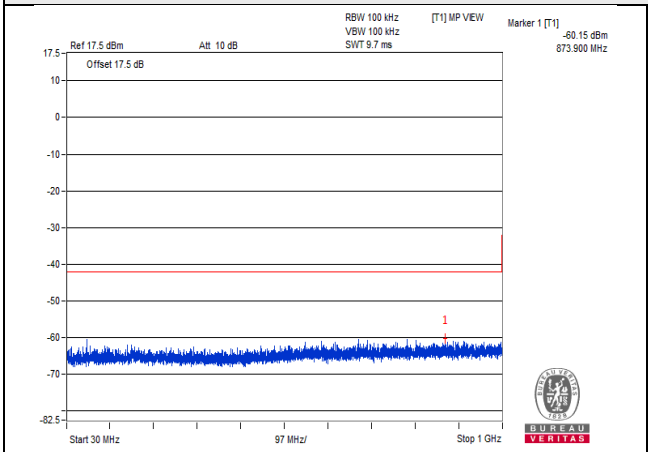
Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

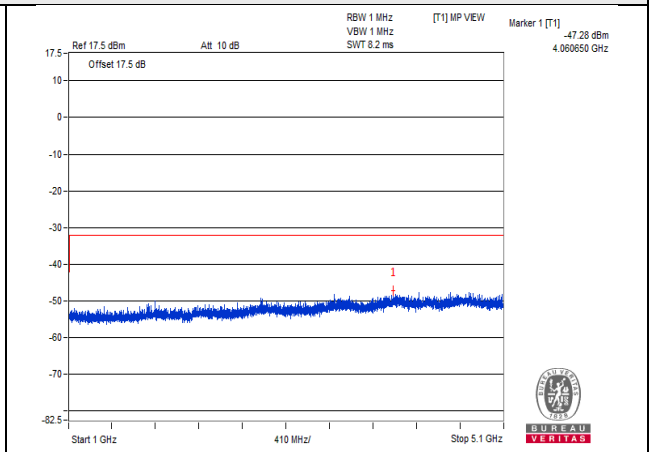
W52 & W53 Bands:
802.11ac (VHT40)
Chain 0

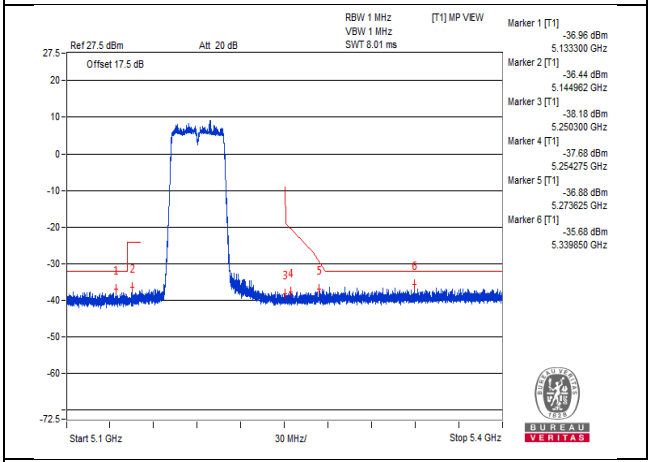
Test Channel		CH 38 (5190MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	873.900	0.000966	0.062	Pass
	1000.0 to 5100.0	4060.650	0.018707	0.625	Pass
	5100.0 to 5141.6	5133.300	0.201372	0.625	Pass
	5141.6 to 5150.0	5144.962	0.226986	3.750	Pass
	5250.0 to 5251.0	5250.300	0.152055	62.648	Pass
	5251.0 to 5270.0	5254.275	0.170608	9.099	Pass
	5270.0 to 5278.4	5273.625	0.205116	1.204	Pass
	5278.4 to 5400.0	5339.850	0.270396	0.625	Pass
	5400.0 to 26000.0	11155.125	0.042658	0.625	Pass
Test Channel		**CH 46 (5230MHz)**			
V_{normal}	30.0 to 1000.0	72.922	0.001047	0.062	Pass
	1000.0 to 5100.0	4799.162	0.018281	0.625	Pass
	5100.0 to 5141.6	5138.062	0.175388	0.625	Pass
	5141.6 to 5150.0	5141.737	0.154525	3.750	Pass
	5250.0 to 5251.0	5250.037	35.399734	114.792	Pass
	5251.0 to 5270.0	5251.012	6.714289	12.485	Pass
	5270.0 to 5278.4	5273.475	0.344350	1.229	Pass
	5278.4 to 5400.0	5353.200	0.260615	0.625	Pass
	5400.0 to 26000.0	16390.100	0.046345	0.625	Pass

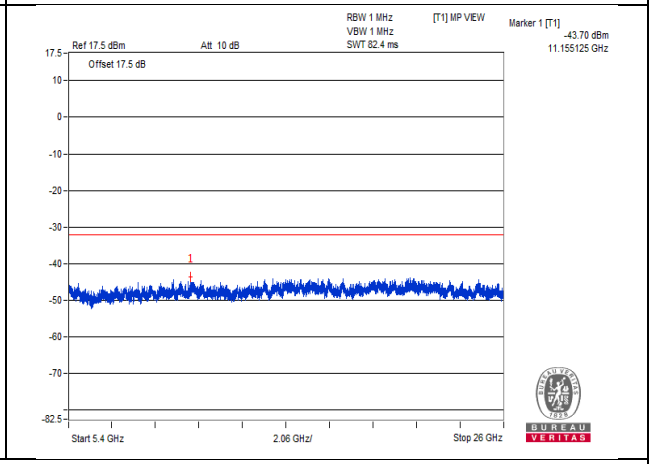
Note: The spectrum plots are attached on the following pages.

Vnormal



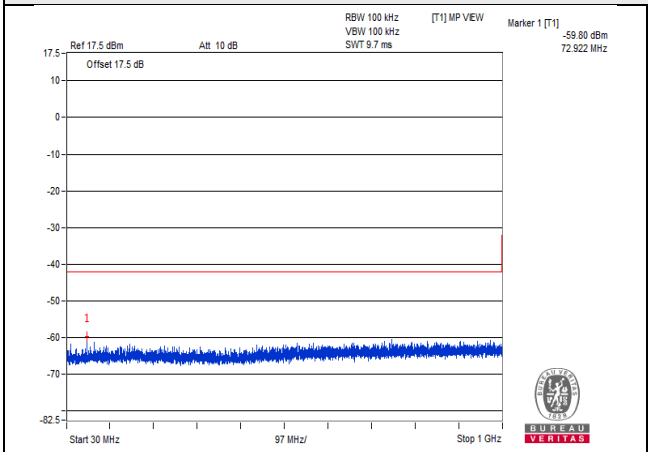


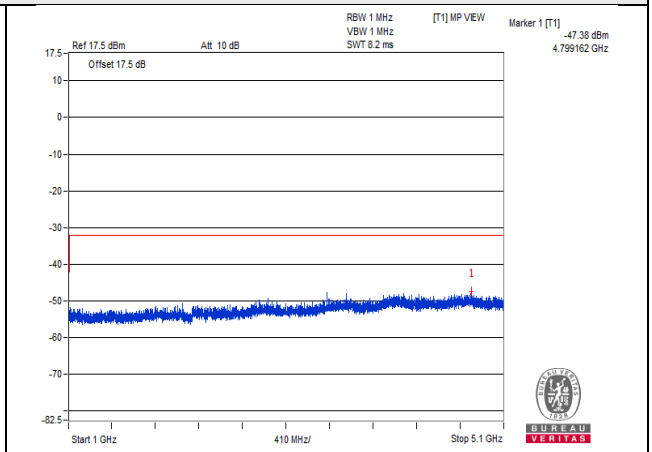


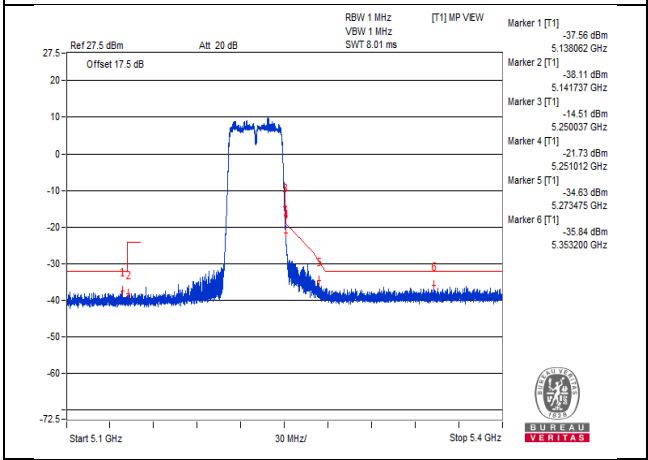


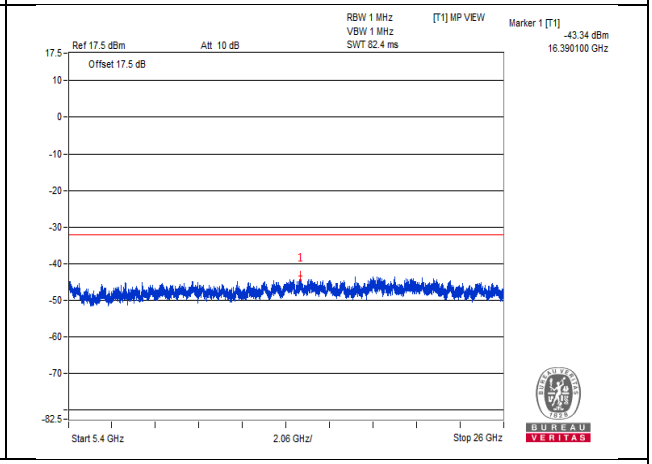
CH 38 (5190MHz)

Vnormal







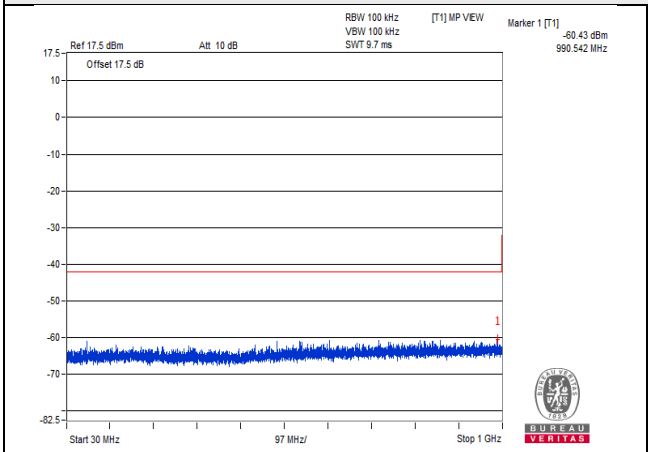


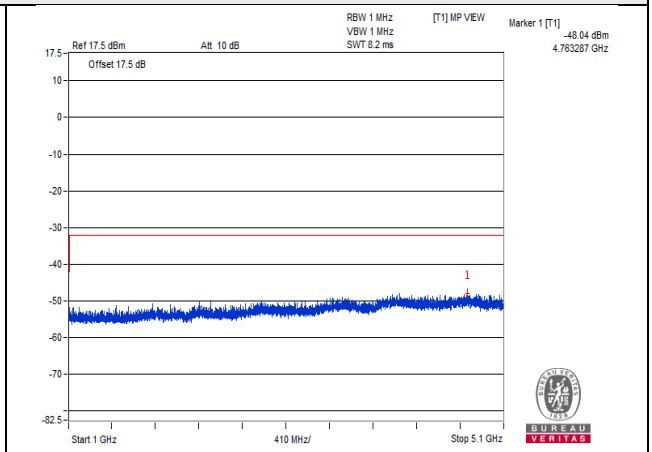
CH 46 (5230MHz)

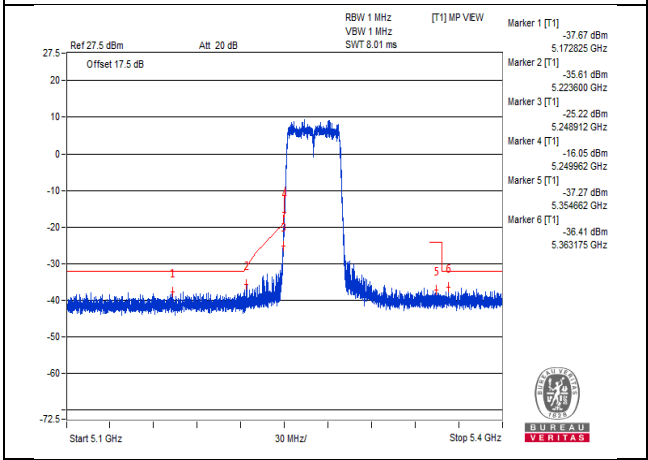
Test Channel		CH 54 (5270MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	990.542	0.000906	0.062	Pass
	1000.0 to 5100.0	4763.287	0.015704	0.625	Pass
	5100.0 to 5221.6	5172.825	0.171002	0.625	Pass
	5221.6 to 5230.0	5223.600	0.274789	0.823	Pass
	5230.0 to 5249.0	5248.912	3.006076	12.394	Pass
	5249.0 to 5250.0	5249.962	24.831331	114.528	Pass
	5350.0 to 5358.4	5354.662	0.187499	3.750	Pass
	5358.4 to 5400.0	5363.175	0.228560	0.625	Pass
	5400.0 to 26000.0	14690.600	0.050699	0.625	Pass
Test Channel		**CH 62 (5310MHz)**			
V_{normal}	30.0 to 1000.0	806.970	0.000927	0.062	Pass
	1000.0 to 5100.0	4704.862	0.016866	0.625	Pass
	5100.0 to 5221.6	5128.537	0.206063	0.625	Pass
	5221.6 to 5230.0	5224.950	0.194984	0.990	Pass
	5230.0 to 5249.0	5245.162	0.208930	8.616	Pass
	5249.0 to 5250.0	5249.062	0.167109	14.418	Pass
	5350.0 to 5358.4	5354.550	0.332660	3.750	Pass
	5358.4 to 5400.0	5378.625	0.252930	0.625	Pass
	5400.0 to 26000.0	19850.900	0.052602	0.625	Pass

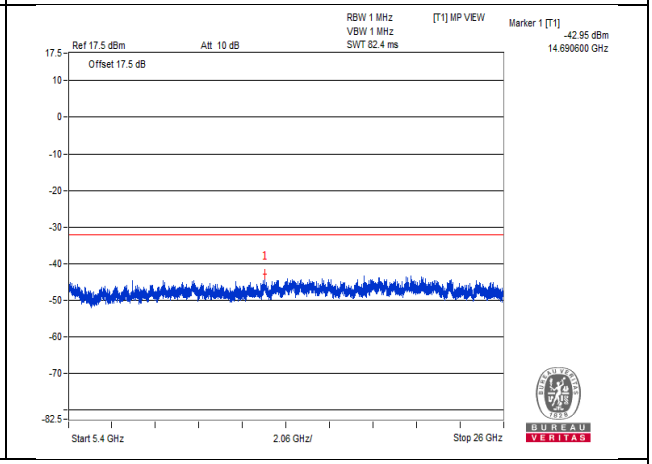
Note: The spectrum plots are attached on the following pages.

Vnormal



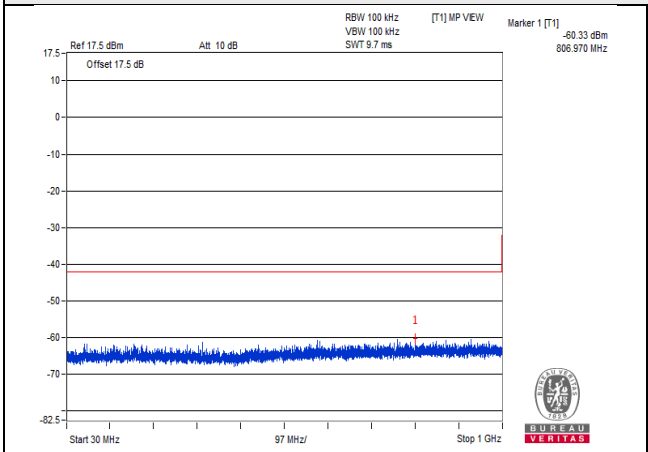


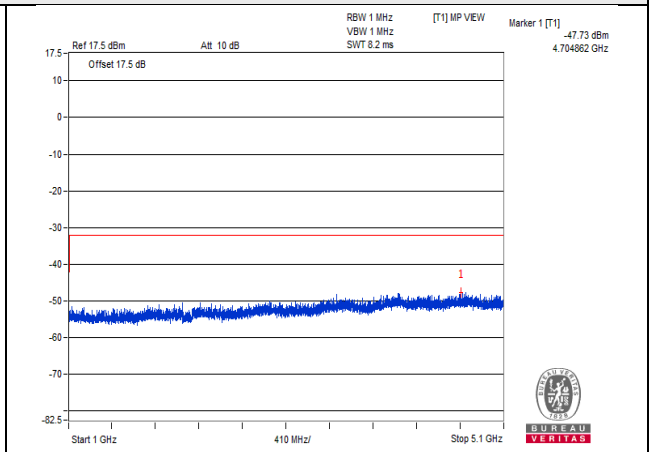


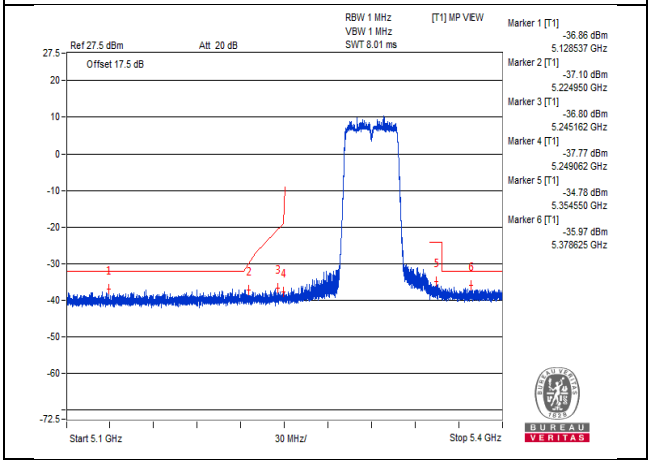


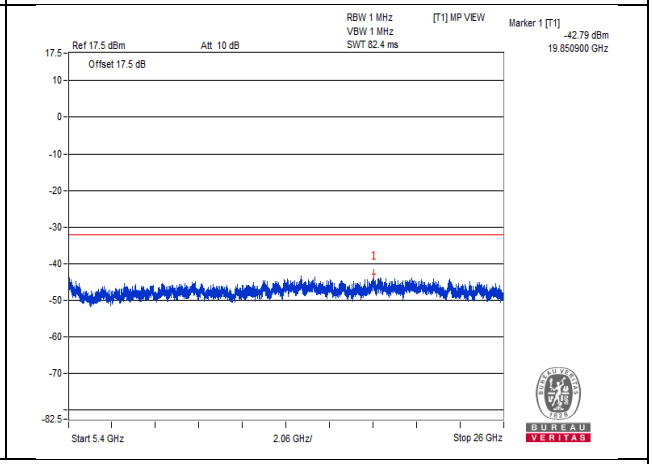
CH 54 (5270MHz)

Vnormal









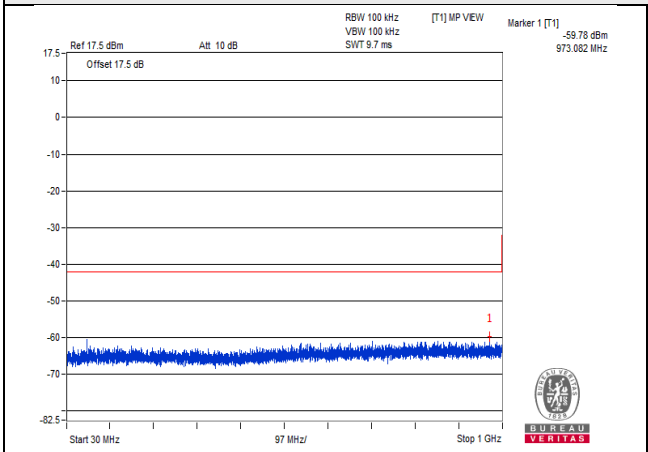
CH 62 (5310MHz)

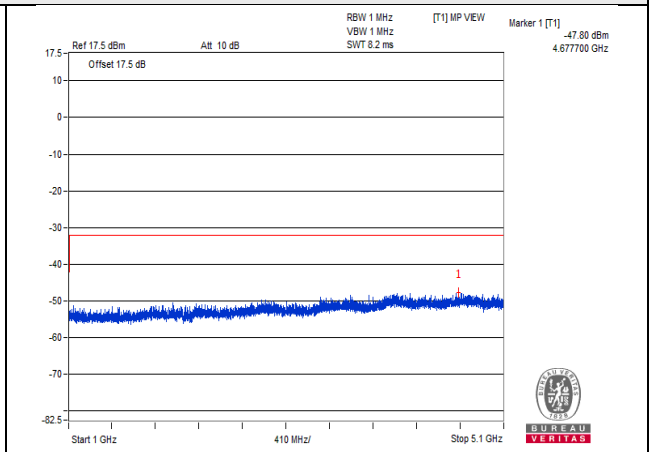
Chain 1

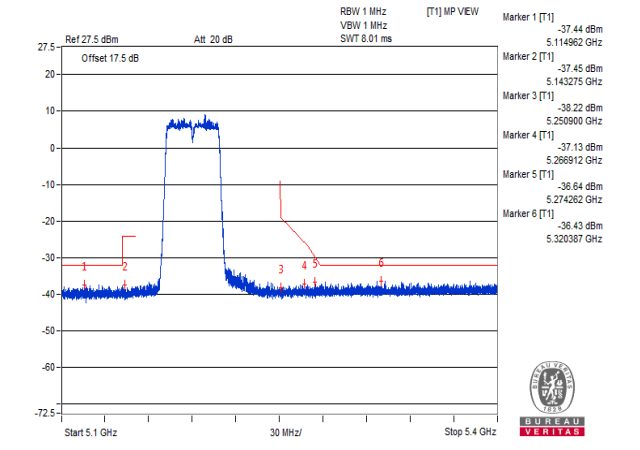
Test Channel		CH 38 (5190MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	973.082	0.001052	0.062	Pass
	1000.0 to 5100.0	4677.700	0.016596	0.625	Pass
	5100.0 to 5141.6	5114.962	0.180302	0.625	Pass
	5141.6 to 5150.0	5143.275	0.179887	3.750	Pass
	5250.0 to 5251.0	5250.900	0.150661	15.737	Pass
	5251.0 to 5270.0	5266.912	0.193642	2.673	Pass
	5270.0 to 5278.4	5274.262	0.216770	1.103	Pass
	5278.4 to 5400.0	5320.387	0.227510	0.625	Pass
	5400.0 to 26000.0	17438.125	0.044978	0.625	Pass
Test Channel		CH 46 (5230MHz)			
V_{normal}	30.0 to 1000.0	72.922	0.000942	0.062	Pass
	1000.0 to 5100.0	4712.550	0.015996	0.625	Pass
	5100.0 to 5141.6	5104.500	0.196789	0.625	Pass
	5141.6 to 5150.0	5144.287	0.177419	3.750	Pass
	5250.0 to 5251.0	5250.000	43.052661	125.000	Pass
	5251.0 to 5270.0	5251.050	4.731513	12.440	Pass
	5270.0 to 5278.4	5271.187	0.237684	1.683	Pass
	5278.4 to 5400.0	5398.125	0.274157	0.625	Pass
	5400.0 to 26000.0	19889.525	0.060814	0.625	Pass

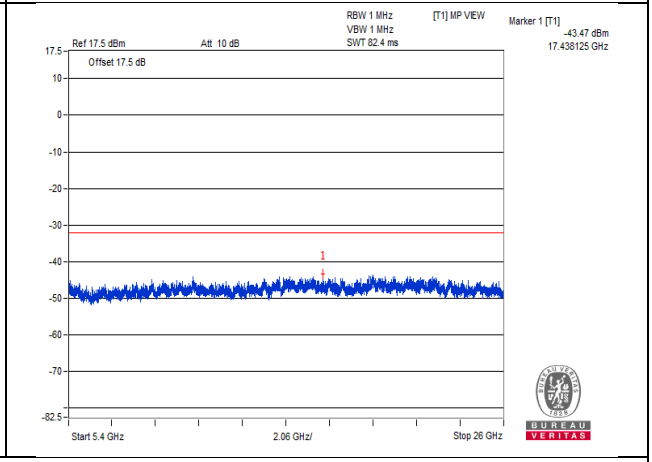
Note: The spectrum plots are attached on the following pages.

Vnormal



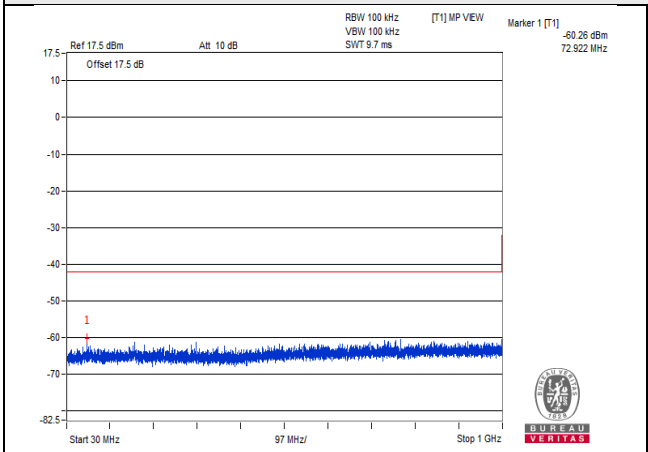


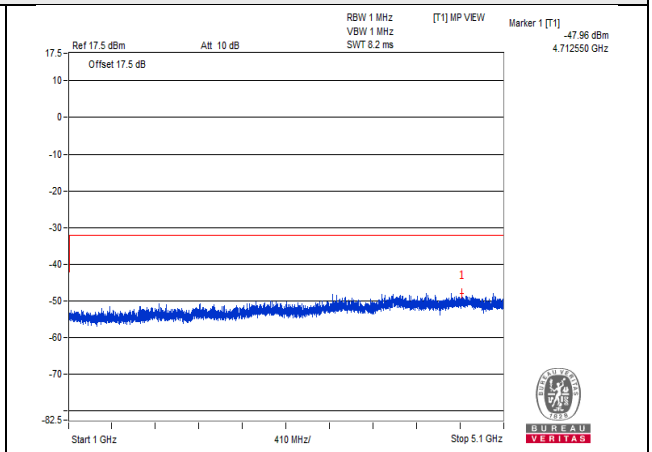


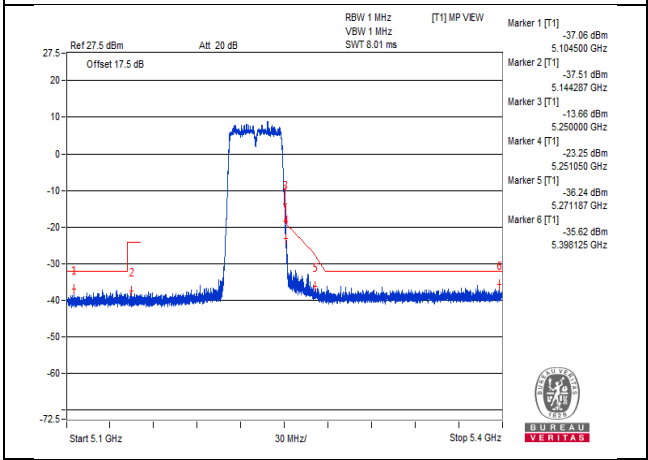


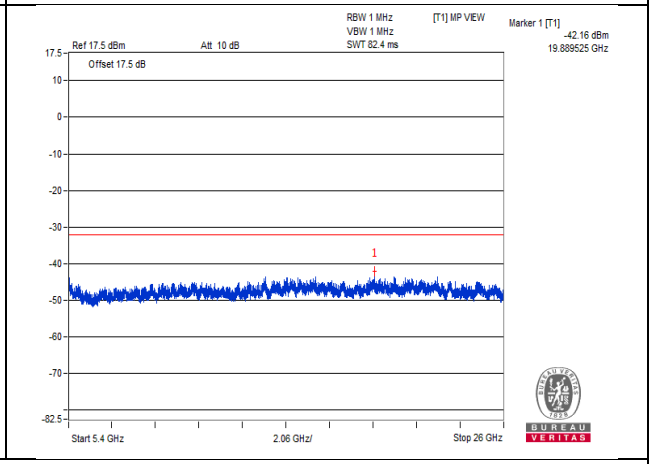
CH 38 (5190MHz)

Vnormal







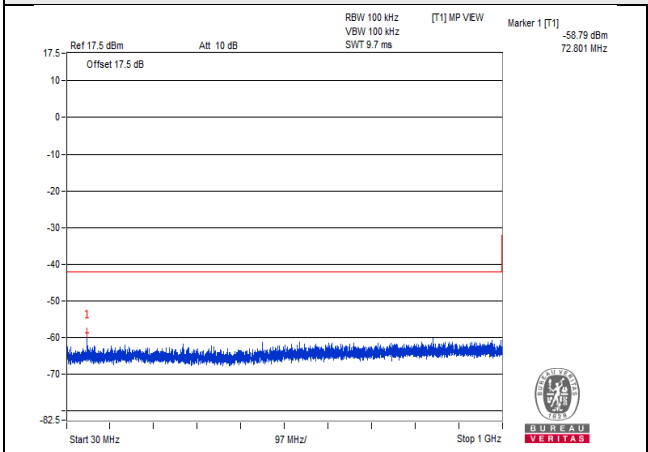


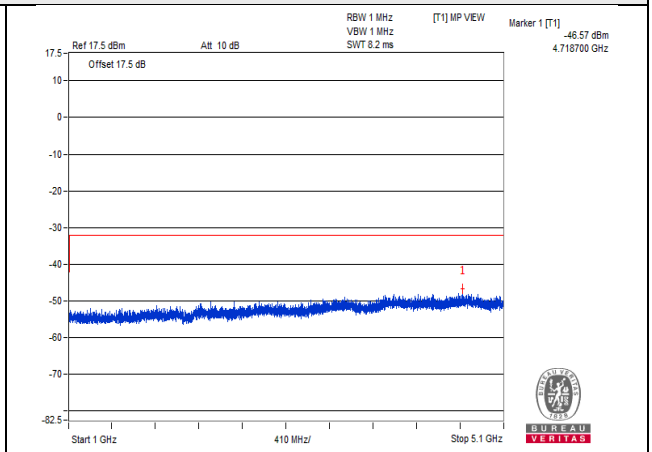
CH 46 (5230MHz)

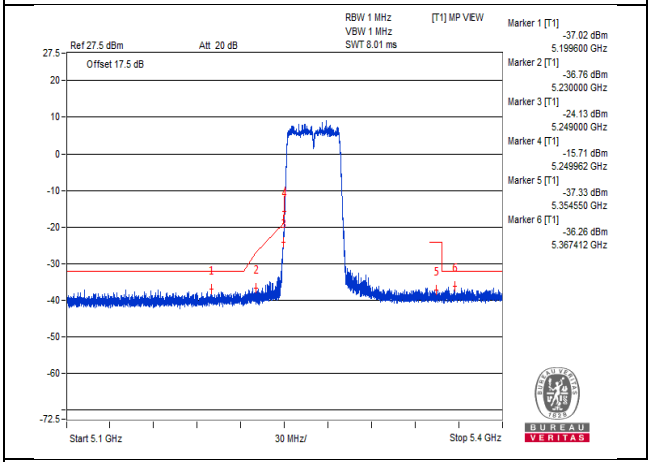
Test Channel		CH 54 (5270MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	72.801	0.001321	0.062	Pass
	1000.0 to 5100.0	4718.700	0.022029	0.625	Pass
	5100.0 to 5221.6	5199.600	0.198609	0.625	Pass
	5221.6 to 5230.0	5230.000	0.210863	1.981	Pass
	5230.0 to 5249.0	5249.000	3.863670	12.500	Pass
	5249.0 to 5250.0	5249.962	26.853444	114.528	Pass
	5350.0 to 5358.4	5354.550	0.184927	3.750	Pass
	5358.4 to 5400.0	5367.412	0.236592	0.625	Pass
	5400.0 to 26000.0	19886.950	0.054325	0.625	Pass
Test Channel		**CH 62 (5310MHz)**			
V_{normal}	30.0 to 1000.0	789.752	0.000979	0.062	Pass
	1000.0 to 5100.0	4060.137	0.020701	0.625	Pass
	5100.0 to 5221.6	5191.837	0.202302	0.625	Pass
	5221.6 to 5230.0	5225.325	0.165196	1.042	Pass
	5230.0 to 5249.0	5245.350	0.173380	8.775	Pass
	5249.0 to 5250.0	5249.000	0.125026	12.500	Pass
	5350.0 to 5358.4	5351.137	0.269153	3.750	Pass
	5358.4 to 5400.0	5383.237	0.251768	0.625	Pass
	5400.0 to 26000.0	15967.800	0.045920	0.625	Pass

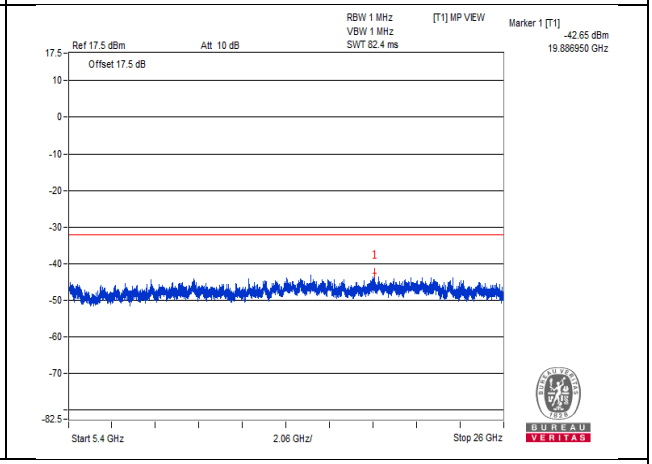
Note: The spectrum plots are attached on the following pages.

Vnormal



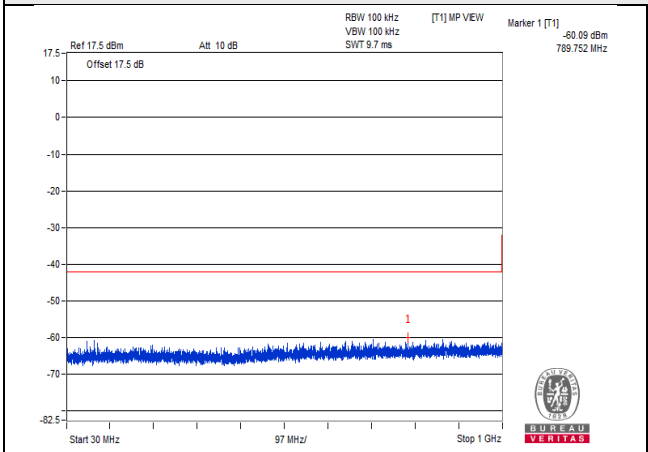


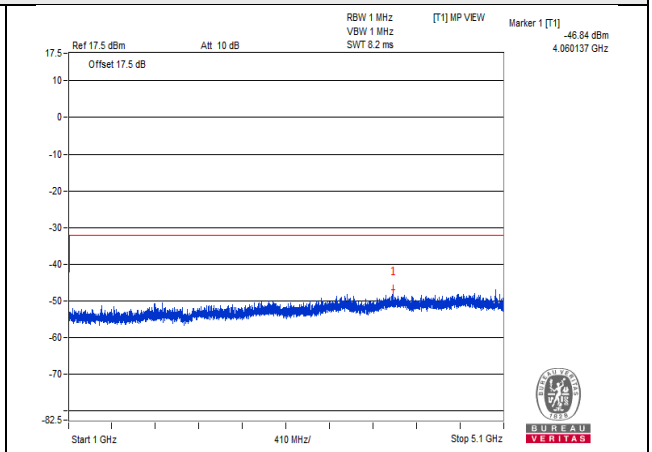


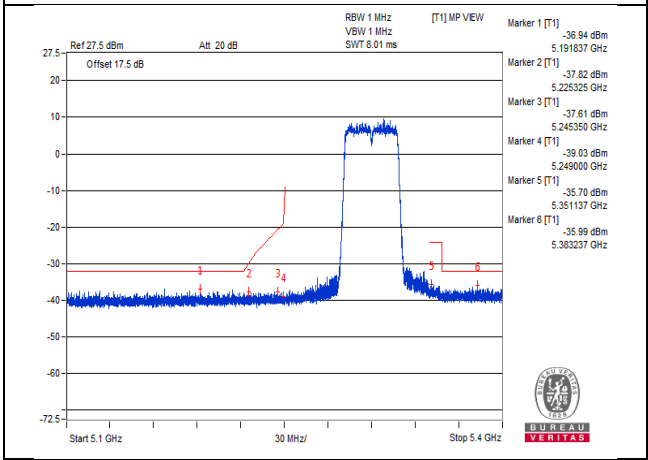


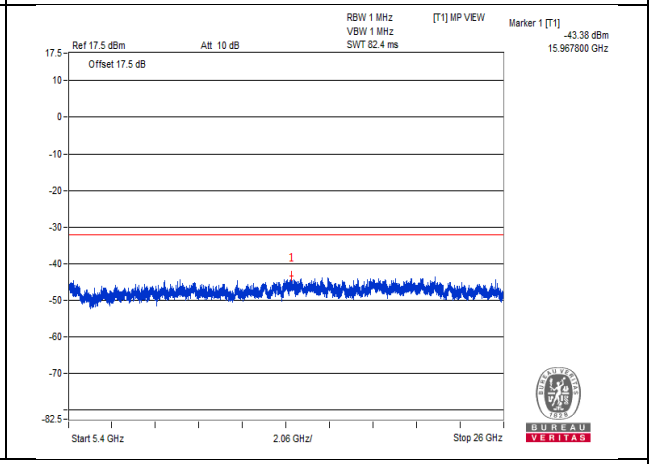
CH 54 (5270MHz)

Vnormal









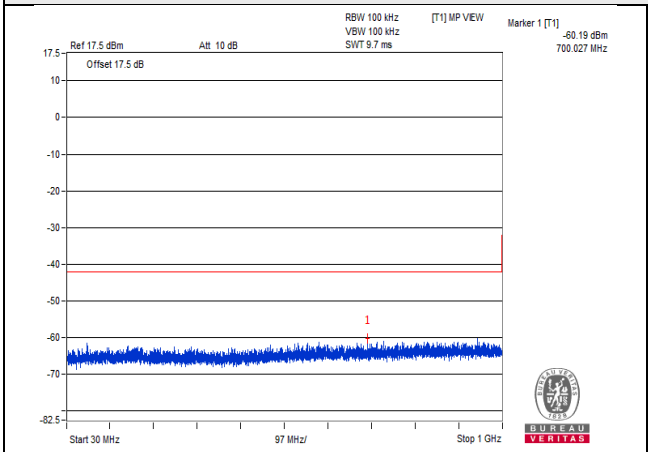
CH 62 (5310MHz)

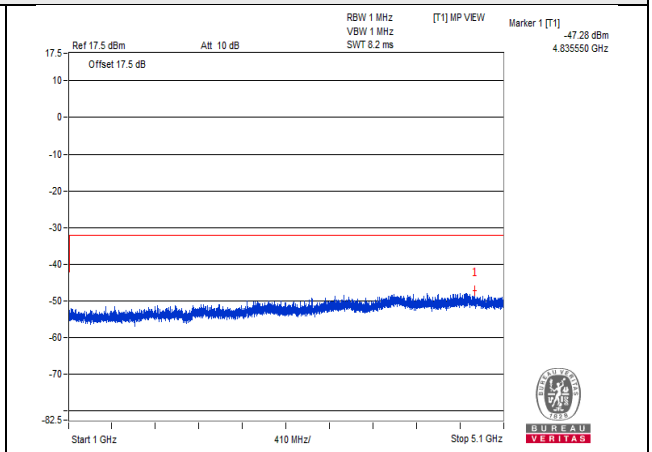
Chain 2

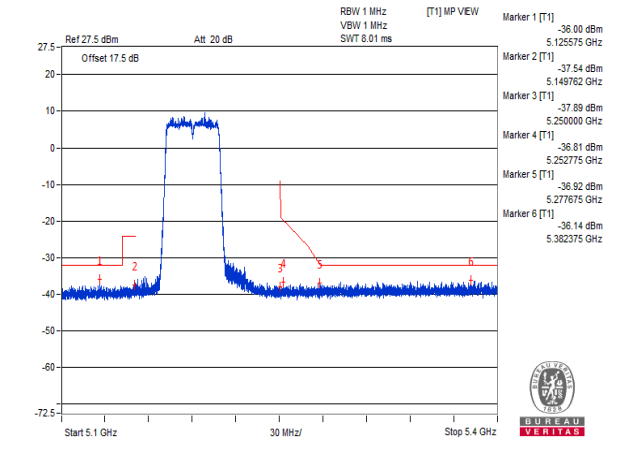
Test Channel		CH 38 (5190MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	700.027	0.000957	0.062	Pass
	1000.0 to 5100.0	4835.550	0.018707	0.625	Pass
	5100.0 to 5141.6	5125.575	0.251189	0.625	Pass
	5141.6 to 5150.0	5149.762	0.176198	3.750	Pass
	5250.0 to 5251.0	5250.000	0.162555	125.000	Pass
	5251.0 to 5270.0	5252.775	0.208449	10.524	Pass
	5270.0 to 5278.4	5277.675	0.203236	0.690	Pass
	5278.4 to 5400.0	5382.375	0.243220	0.625	Pass
	5400.0 to 26000.0	19866.350	0.064121	0.625	Pass
Test Channel		**CH 46 (5230MHz)**			
V_{normal}	30.0 to 1000.0	872.566	0.001268	0.062	Pass
	1000.0 to 5100.0	4119.075	0.018750	0.625	Pass
	5100.0 to 5141.6	5137.575	0.154882	0.625	Pass
	5141.6 to 5150.0	5145.337	0.127938	3.750	Pass
	5250.0 to 5251.0	5250.000	32.433962	125.000	Pass
	5251.0 to 5270.0	5251.387	2.857591	12.040	Pass
	5270.0 to 5278.4	5271.075	0.258226	1.709	Pass
	5278.4 to 5400.0	5335.462	0.240436	0.625	Pass
	5400.0 to 26000.0	17680.175	0.054954	0.625	Pass

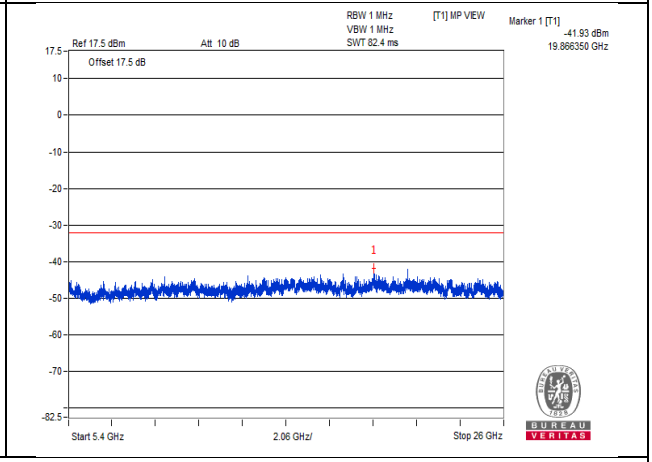
Note: The spectrum plots are attached on the following pages.

Vnormal



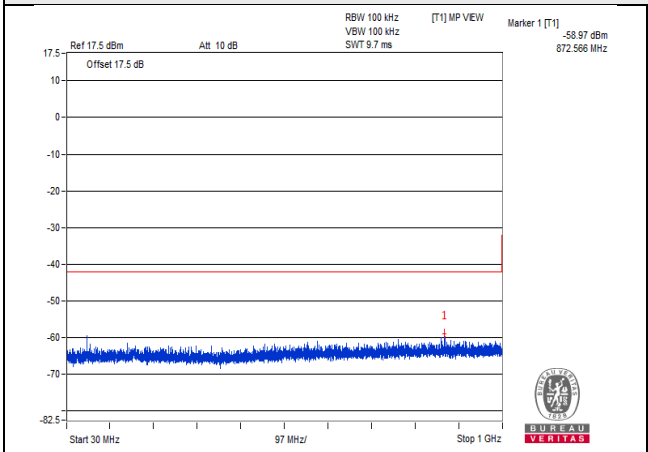


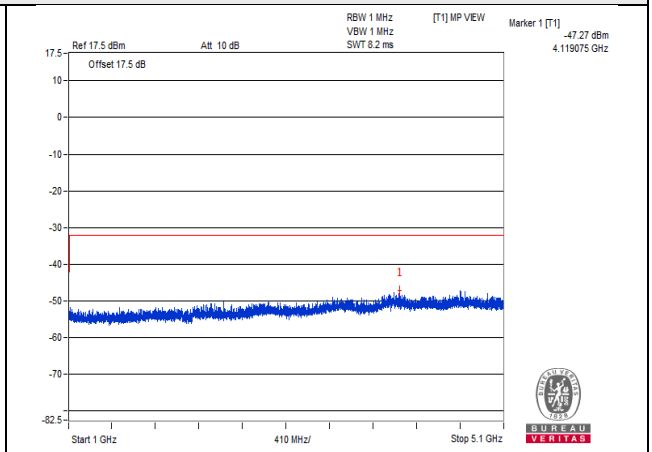


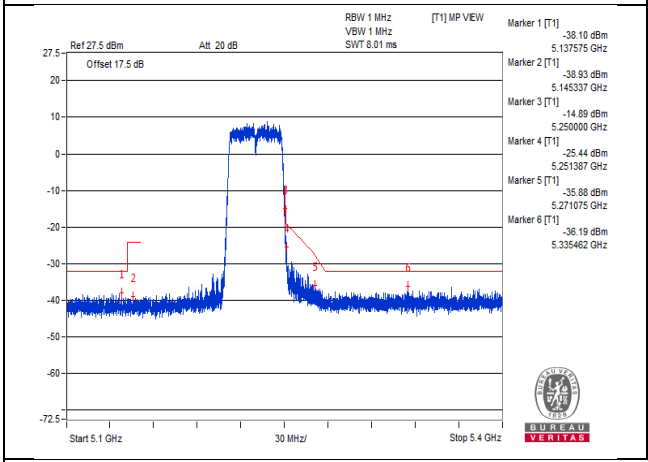


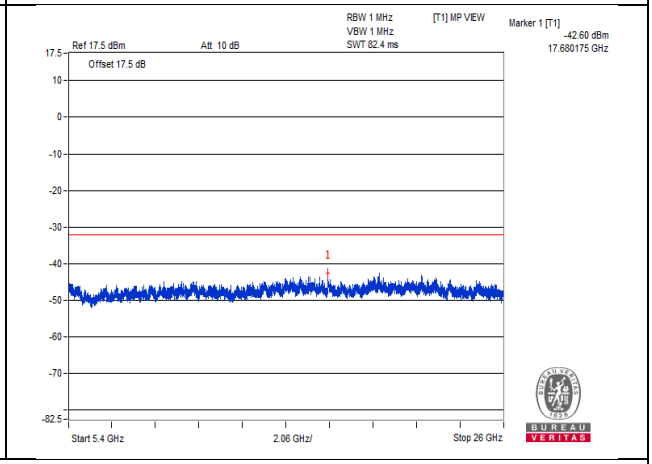
CH 38 (5190MHz)

Vnormal







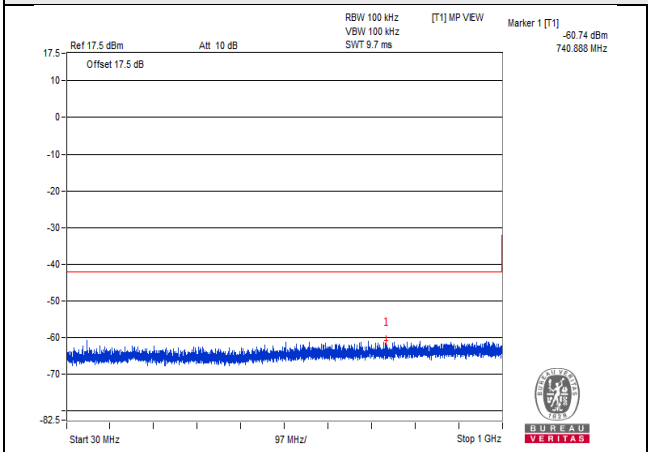


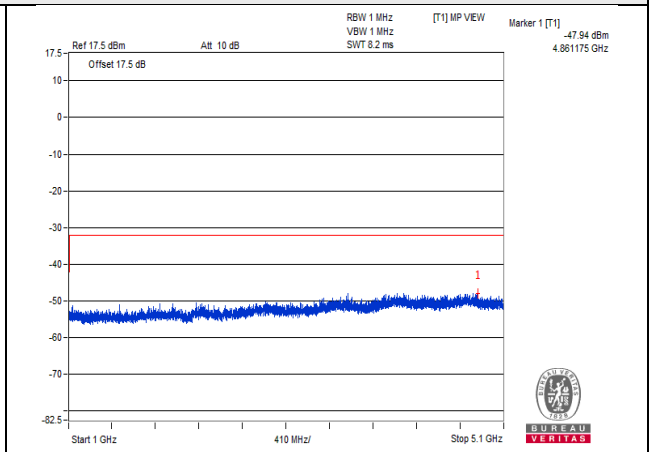
CH 46 (5230MHz)

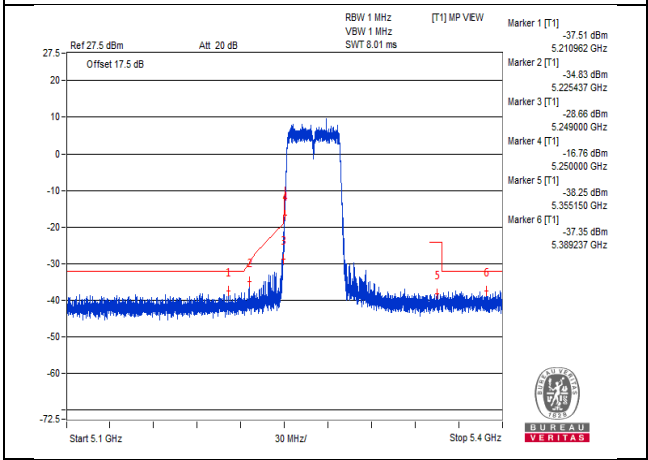
Test Channel		CH 54 (5270MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	740.888	0.000843	0.062	Pass
	1000.0 to 5100.0	4861.175	0.016069	0.625	Pass
	5100.0 to 5221.6	5210.962	0.177419	0.625	Pass
	5221.6 to 5230.0	5225.437	0.328852	1.059	Pass
	5230.0 to 5249.0	5249.000	1.361445	12.500	Pass
	5249.0 to 5250.0	5250.000	21.086281	125.000	Pass
	5350.0 to 5358.4	5355.150	0.149624	3.750	Pass
	5358.4 to 5400.0	5389.237	0.184077	0.625	Pass
	5400.0 to 26000.0	19825.150	0.053211	0.625	Pass
Test Channel		CH 62 (5310MHz)			
V_{normal}	30.0 to 1000.0	72.922	0.000944	0.062	Pass
	1000.0 to 5100.0	4826.837	0.018750	0.625	Pass
	5100.0 to 5221.6	5126.850	0.203704	0.625	Pass
	5221.6 to 5230.0	5228.662	0.190546	1.649	Pass
	5230.0 to 5249.0	5244.937	0.244343	8.430	Pass
	5249.0 to 5250.0	5249.887	0.151356	96.363	Pass
	5350.0 to 5358.4	5350.987	0.381066	3.750	Pass
	5358.4 to 5400.0	5358.637	0.236048	0.625	Pass
	5400.0 to 26000.0	16673.350	0.048641	0.625	Pass

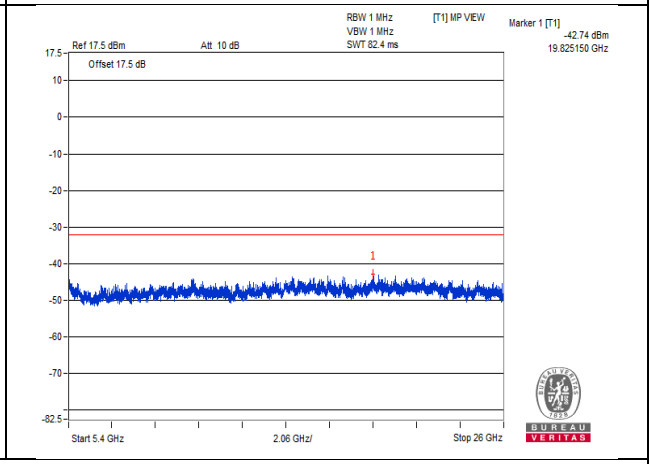
Note: The spectrum plots are attached on the following pages.

Vnormal



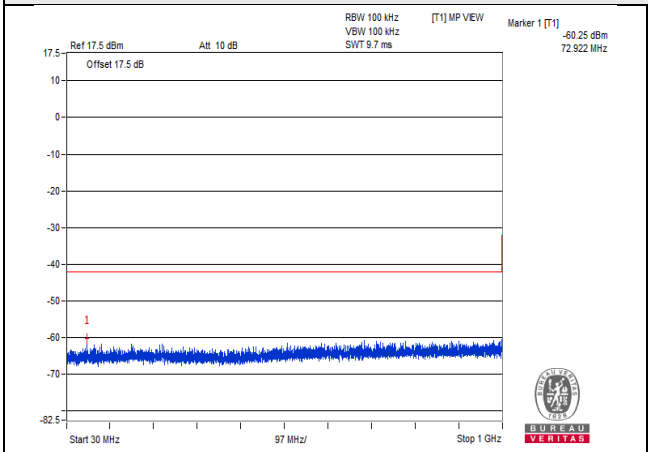


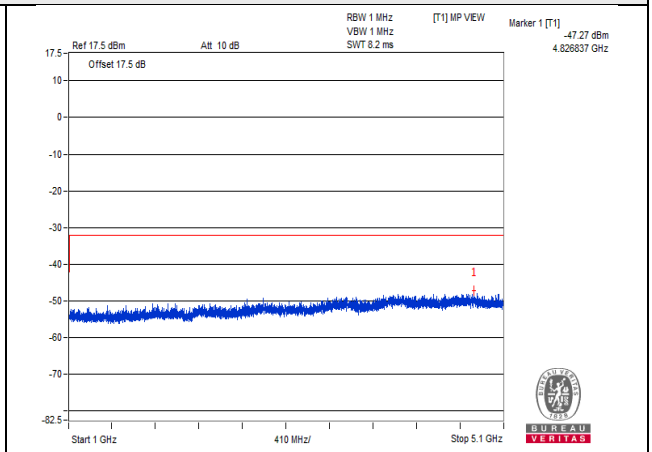


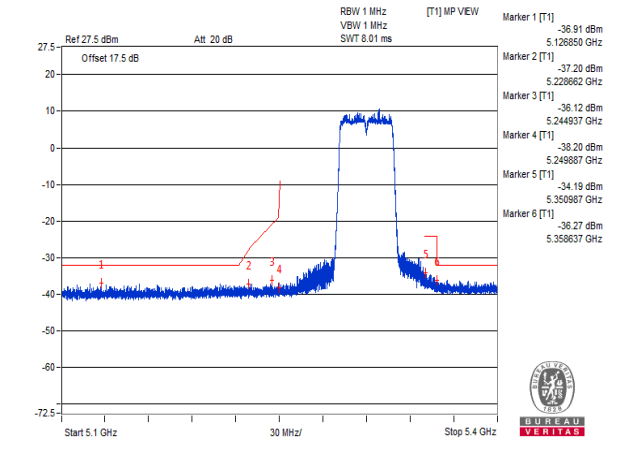


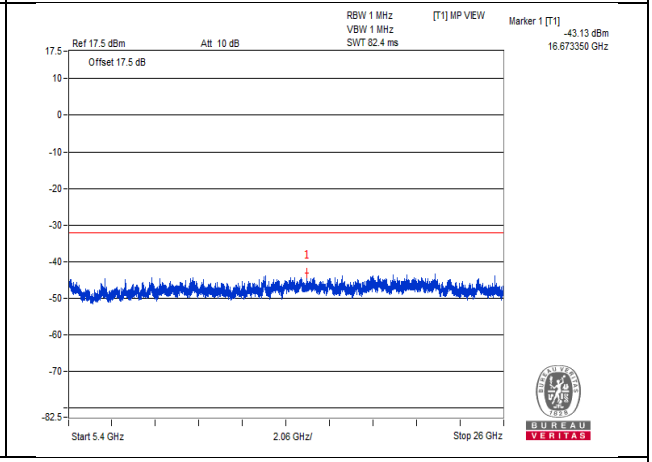
CH 54 (5270MHz)

Vnormal









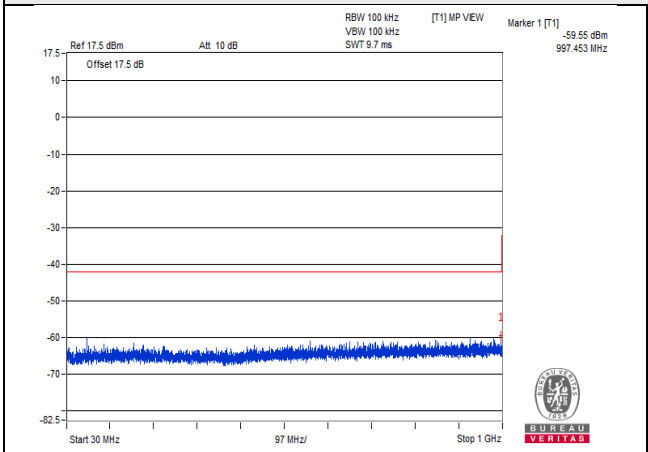
CH 62 (5310MHz)

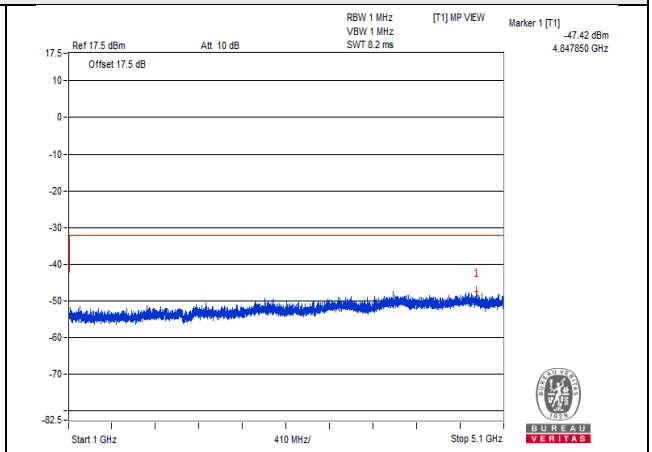
Chain 3

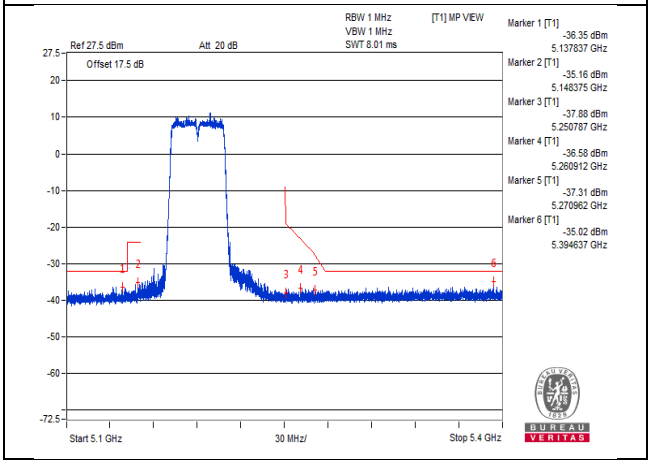
Test Channel		CH 38 (5190MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	997.453	0.001109	0.062	Pass
	1000.0 to 5100.0	4847.850	0.018113	0.625	Pass
	5100.0 to 5141.6	5137.837	0.231739	0.625	Pass
	5141.6 to 5150.0	5148.375	0.304789	3.750	Pass
	5250.0 to 5251.0	5250.787	0.162930	20.413	Pass
	5251.0 to 5270.0	5260.912	0.219786	4.781	Pass
	5270.0 to 5278.4	5270.962	0.185780	1.736	Pass
	5278.4 to 5400.0	5394.637	0.314775	0.625	Pass
	5400.0 to 26000.0	16392.675	0.057544	0.625	Pass
Test Channel		CH 46 (5230MHz)			
V_{normal}	30.0 to 1000.0	72.801	0.001009	0.062	Pass
	1000.0 to 5100.0	4734.587	0.019364	0.625	Pass
	5100.0 to 5141.6	5135.737	0.163682	0.625	Pass
	5141.6 to 5150.0	5145.787	0.137088	3.750	Pass
	5250.0 to 5251.0	5250.075	59.979108	105.174	Pass
	5251.0 to 5270.0	5251.050	4.295364	12.440	Pass
	5270.0 to 5278.4	5272.612	0.243220	1.384	Pass
	5278.4 to 5400.0	5321.887	0.202768	0.625	Pass
	5400.0 to 26000.0	17708.500	0.045499	0.625	Pass

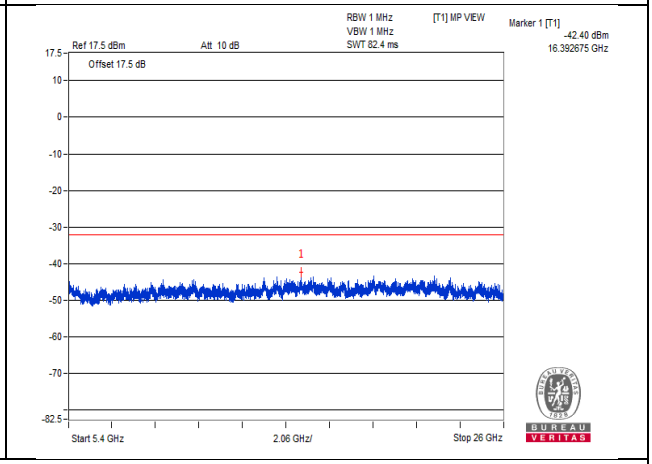
Note: The spectrum plots are attached on the following pages.

Vnormal



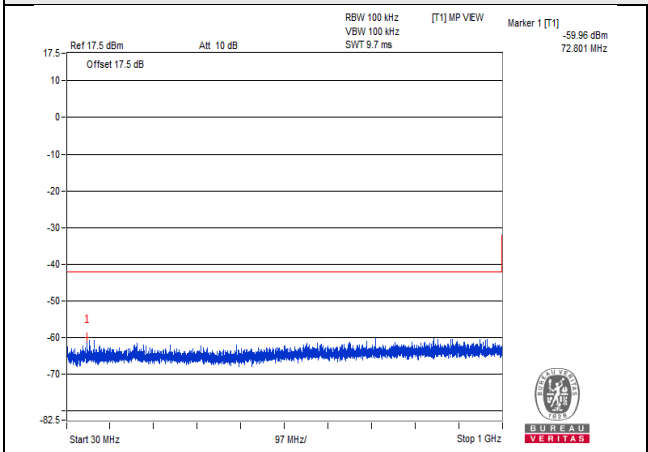


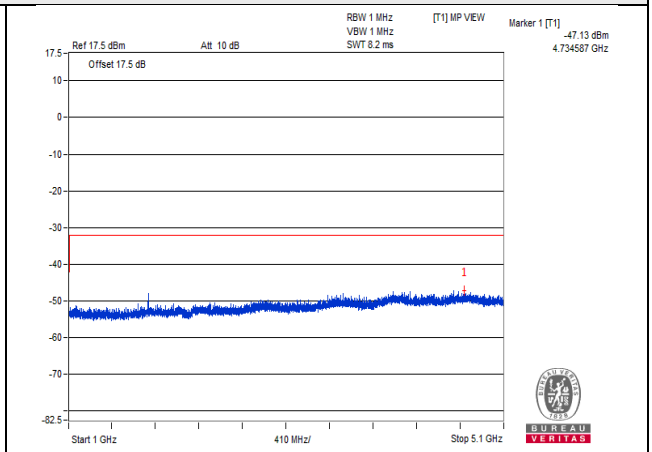


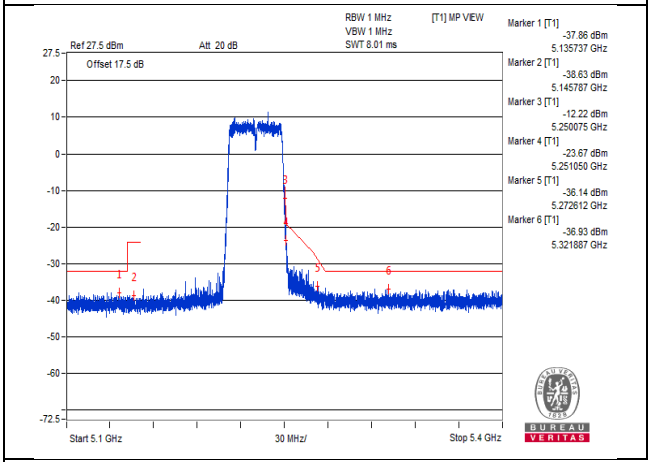


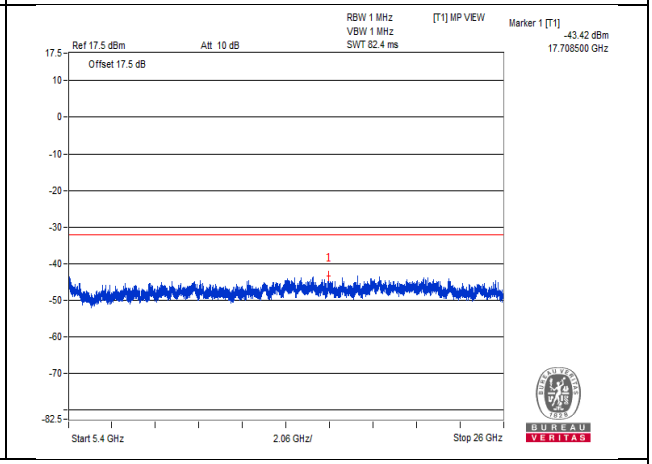
CH 38 (5190MHz)

Vnormal







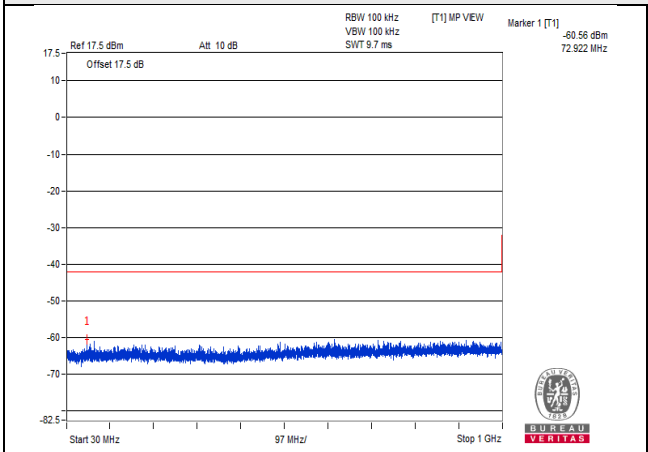


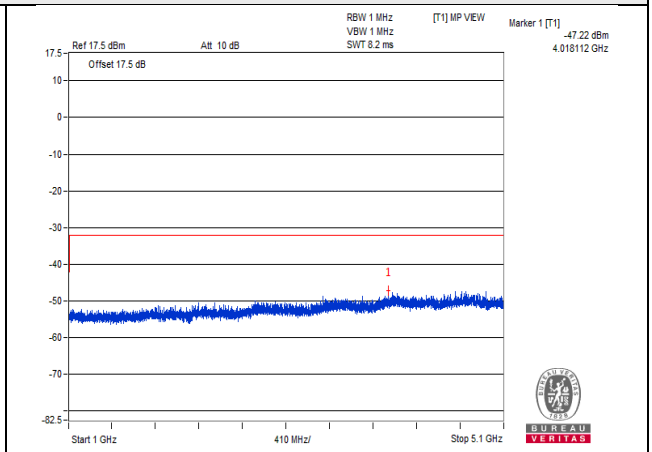
CH 46 (5230MHz)

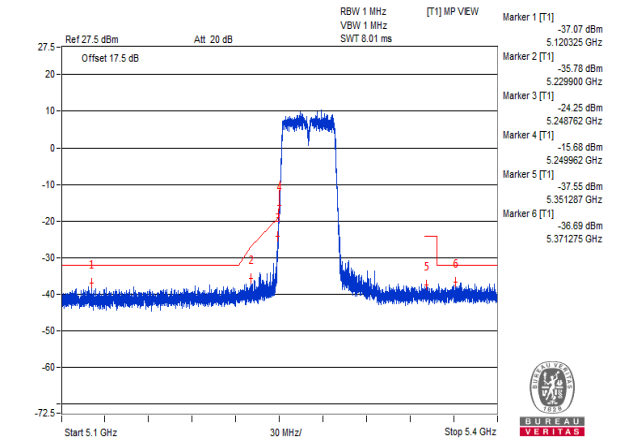
Test Channel		CH 54 (5270MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	72.922	0.000879	0.062	Pass
	1000.0 to 5100.0	4018.112	0.018967	0.625	Pass
	5100.0 to 5221.6	5120.325	0.196336	0.625	Pass
	5221.6 to 5230.0	5229.900	0.264241	1.954	Pass
	5230.0 to 5249.0	5248.762	3.758374	12.215	Pass
	5249.0 to 5250.0	5249.962	27.039584	114.528	Pass
	5350.0 to 5358.4	5351.287	0.175792	3.750	Pass
	5358.4 to 5400.0	5371.275	0.214289	0.625	Pass
	5400.0 to 26000.0	16289.675	0.052360	0.625	Pass
Test Channel		**CH 62 (5310MHz)**			
V_{normal}	30.0 to 1000.0	72.801	0.001390	0.062	Pass
	1000.0 to 5100.0	4743.300	0.017865	0.625	Pass
	5100.0 to 5221.6	5123.812	0.224905	0.625	Pass
	5221.6 to 5230.0	5229.750	0.187499	1.914	Pass
	5230.0 to 5249.0	5232.637	0.229087	2.558	Pass
	5249.0 to 5250.0	5249.700	0.170216	62.648	Pass
	5350.0 to 5358.4	5355.637	0.374111	3.750	Pass
	5358.4 to 5400.0	5391.787	0.259418	0.625	Pass
	5400.0 to 26000.0	18406.325	0.047315	0.625	Pass

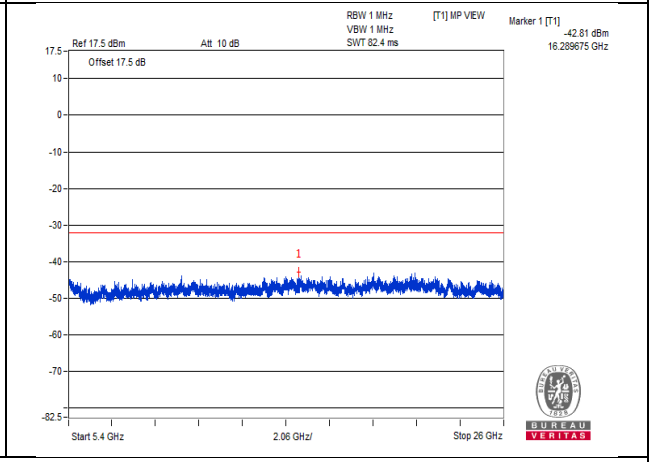
Note: The spectrum plots are attached on the following pages.

Vnormal



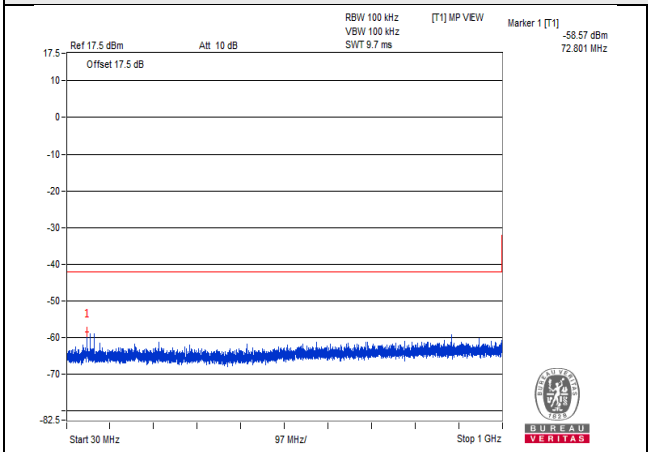


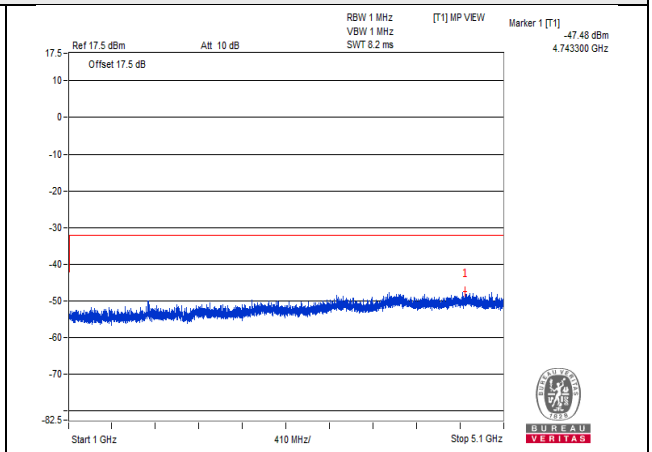


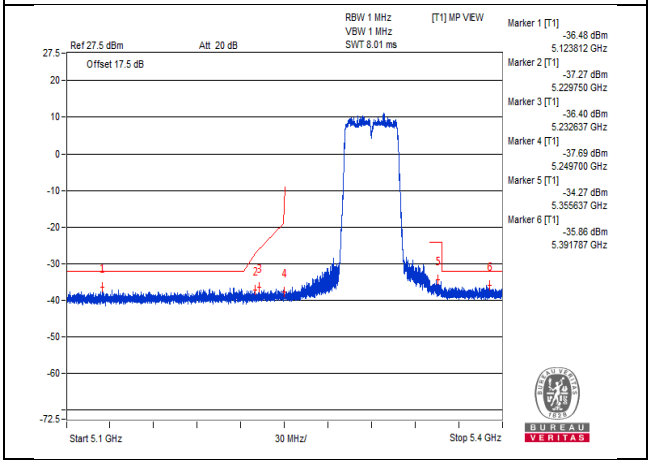


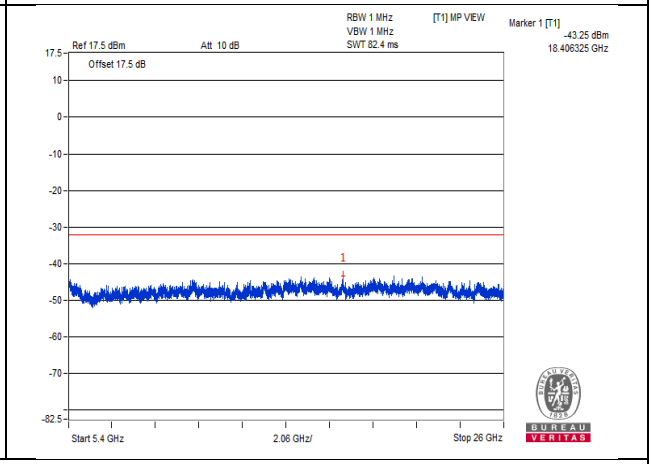
CH 54 (5270MHz)

Vnormal









CH 62 (5310MHz)

[Worst result] x [Number of antenna ports]

Test Channel		CH 38 (5190MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.004436	0.248	Pass
	1000.0 to 5100.0	0.074828	2.5	Pass
	5100.0 to 5141.6	1.004756	2.5	Pass
	5141.6 to 5150.0	1.219156	15	Pass
	5250.0 to 5251.0	0.651720	81.652	Pass
	5251.0 to 5270.0	0.879144	19.124	Pass
	5270.0 to 5278.4	0.867080	4.412	Pass
	5278.4 to 5400.0	1.259100	2.5	Pass
	5400.0 to 26000.0	0.256484	2.5	Pass
Test Channel		**CH 46 (5230MHz)**		
V_{normal}	30.0 to 1000.0	0.005072	0.248	Pass
	1000.0 to 5100.0	0.077456	2.5	Pass
	5100.0 to 5141.6	0.787156	2.5	Pass
	5141.6 to 5150.0	0.709676	15	Pass
	5250.0 to 5251.0	239.916432	420.696	Pass
	5251.0 to 5270.0	26.857156	49.94	Pass
	5270.0 to 5278.4	1.377400	4.916	Pass
	5278.4 to 5400.0	1.096628	2.5	Pass
	5400.0 to 26000.0	0.243256	2.5	Pass

Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

Test Channel		CH 54 (5270MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.005284	0.248	Pass
	1000.0 to 5100.0	0.088116	2.5	Pass
	5100.0 to 5221.6	0.794436	2.5	Pass
	5221.6 to 5230.0	1.315408	4.236	Pass
	5230.0 to 5249.0	15.454680	50	Pass
	5249.0 to 5250.0	108.158336	458.112	Pass
	5350.0 to 5358.4	0.749996	15	Pass
	5358.4 to 5400.0	0.946368	2.5	Pass
	5400.0 to 26000.0	0.217300	2.5	Pass
Test Channel		**CH 62 (5310MHz)**		
V_{normal}	30.0 to 1000.0	0.005560	0.248	Pass
	1000.0 to 5100.0	0.082804	2.5	Pass
	5100.0 to 5221.6	0.899620	2.5	Pass
	5221.6 to 5230.0	0.779936	3.96	Pass
	5230.0 to 5249.0	0.977372	33.72	Pass
	5249.0 to 5250.0	0.680864	250.592	Pass
	5350.0 to 5358.4	1.524264	15	Pass
	5358.4 to 5400.0	1.037672	2.5	Pass
	5400.0 to 26000.0	0.210408	2.5	Pass

Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

W52 & W53 Bands:

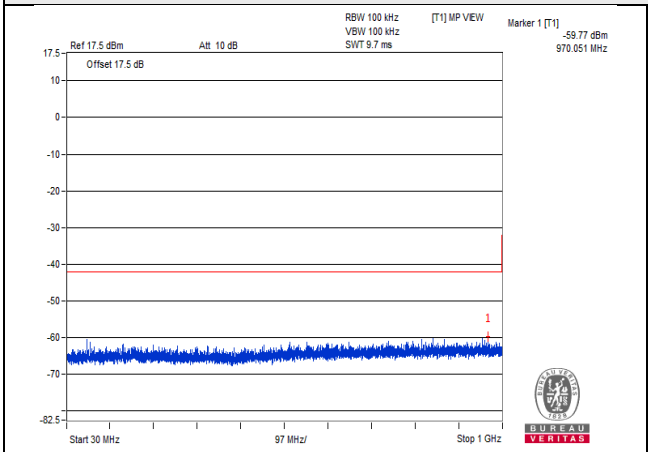
802.11ac (VHT80)

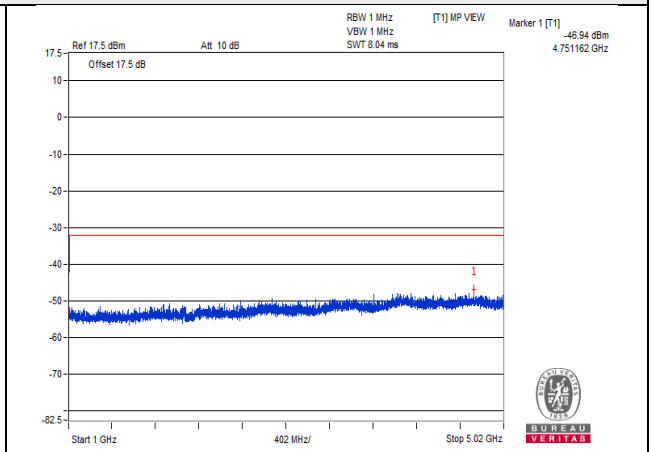
Chain 0

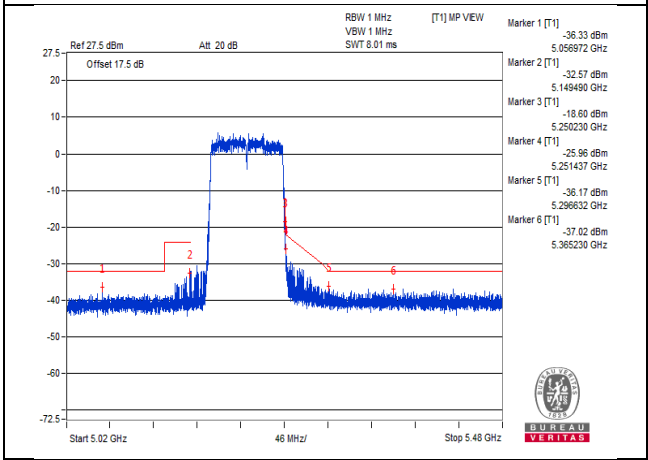
Test Channel		CH 42 (5210MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	970.051	0.001054	0.062	Pass
	1000.0 to 5020.0	4751.162	0.020230	0.625	Pass
	5020.0 to 5123.2	5056.972	0.232809	0.625	Pass
	5123.2 to 5150.0	5149.490	0.553350	3.750	Pass
	5250.0 to 5251.0	5250.230	13.803843	36.803	Pass
	5251.0 to 5290.0	5251.437	2.535129	6.122	Pass
	5290.0 to 5296.7	5296.632	0.241546	0.628	Pass
	5296.7 to 5480.0	5365.230	0.198609	0.625	Pass
	5480.0 to 26000.0	23486.300	0.043451	0.625	Pass

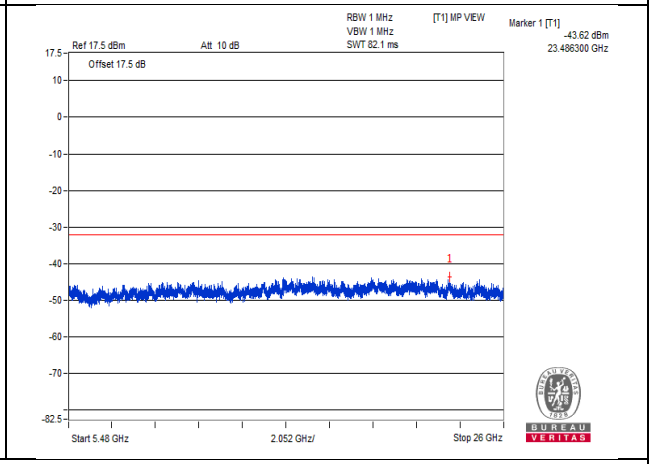
Note: The spectrum plots are attached on the following pages.

Vnormal







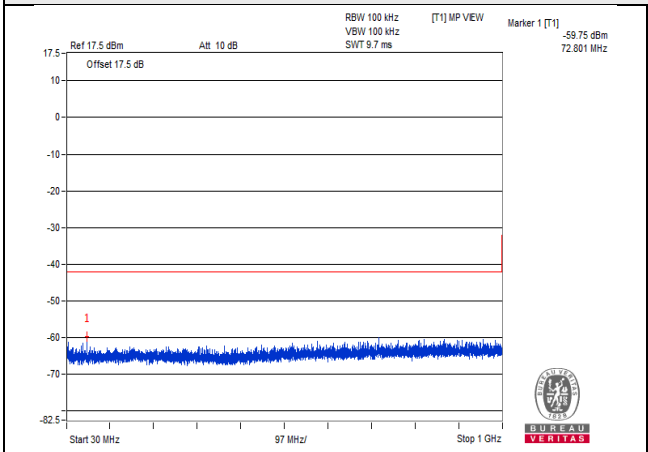


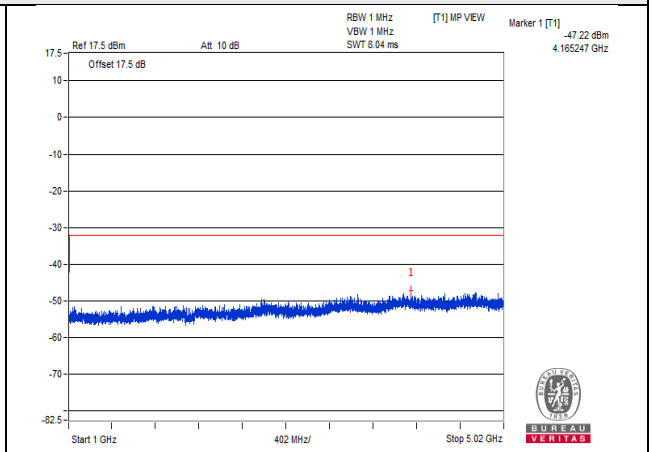
CH 42 (5210MHz)

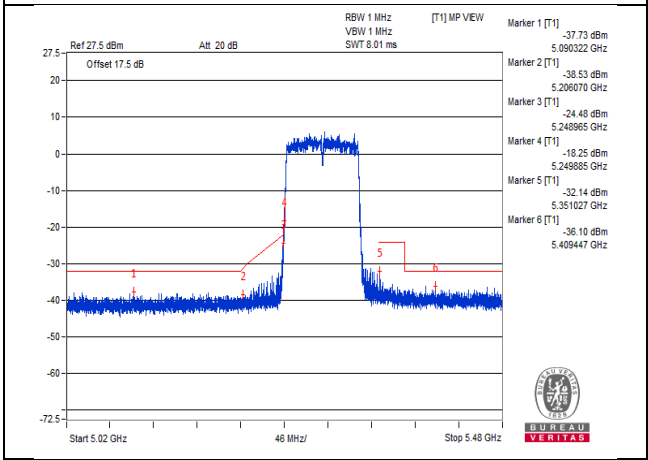
Test Channel		CH 58 (5290MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	72.801	0.001059	0.062	Pass
	1000.0 to 5020.0	4165.247	0.018967	0.625	Pass
	5020.0 to 5203.3	5090.322	0.168655	0.625	Pass
	5203.3 to 5210.0	5206.070	0.140281	0.756	Pass
	5210.0 to 5249.0	5248.965	3.564511	6.240	Pass
	5249.0 to 5250.0	5249.885	14.962357	47.960	Pass
	5350.0 to 5376.8	5351.027	0.610942	3.750	Pass
	5376.8 to 5480.0	5409.447	0.245471	0.625	Pass
	5480.0 to 26000.0	15229.565	0.046132	0.625	Pass

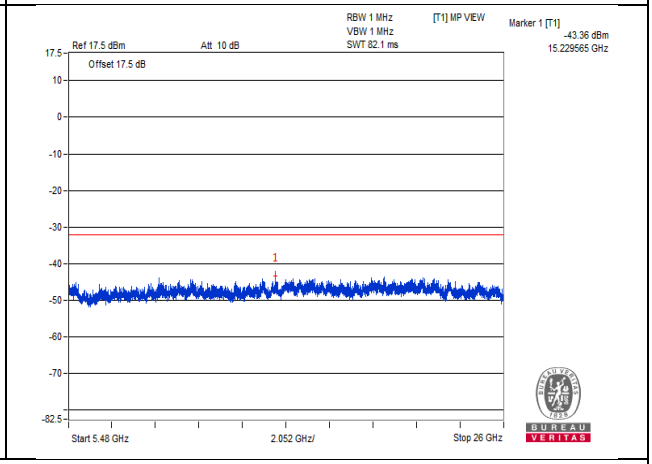
Note: The spectrum plots are attached on the following pages.

Vnormal









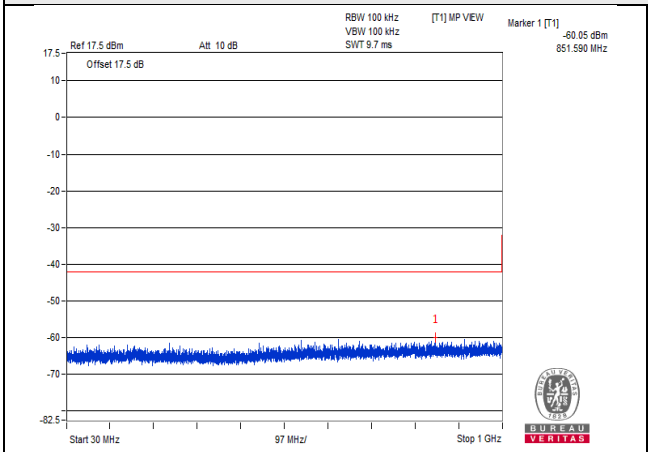
CH 58 (5290MHz)

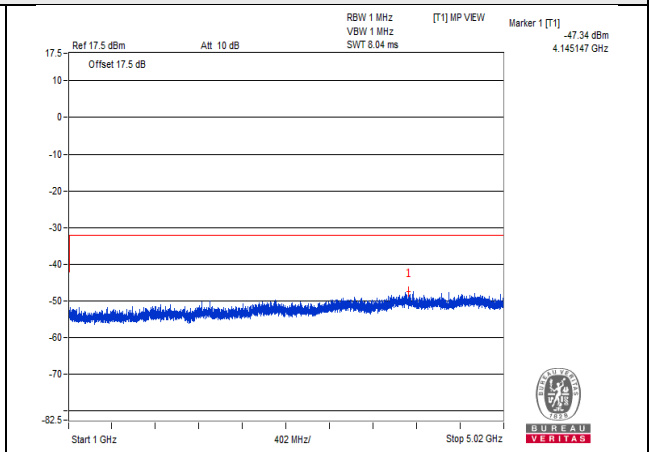
Chain 1

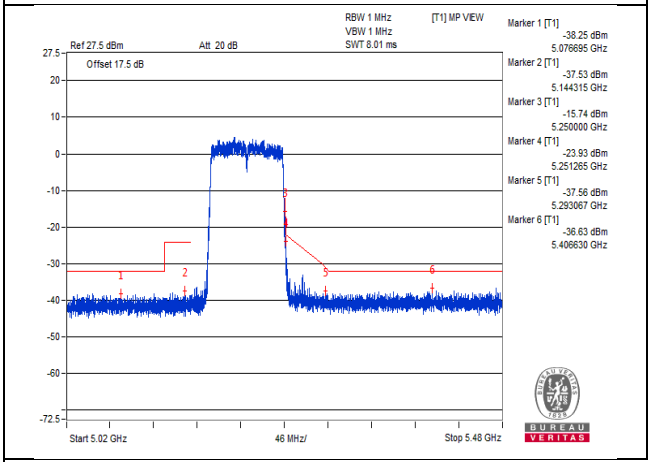
Test Channel		CH 42 (5210MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	851.590	0.000989	0.062	Pass
	1000.0 to 5020.0	4145.147	0.018450	0.625	Pass
	5020.0 to 5123.2	5076.695	0.149624	0.625	Pass
	5123.2 to 5150.0	5144.315	0.176604	3.750	Pass
	5250.0 to 5251.0	5250.000	26.668587	62.500	Pass
	5251.0 to 5290.0	5251.265	4.045759	6.172	Pass
	5290.0 to 5296.7	5293.067	0.175388	0.802	Pass
	5296.7 to 5480.0	5406.630	0.217270	0.625	Pass
	5480.0 to 26000.0	20062.025	0.050933	0.625	Pass

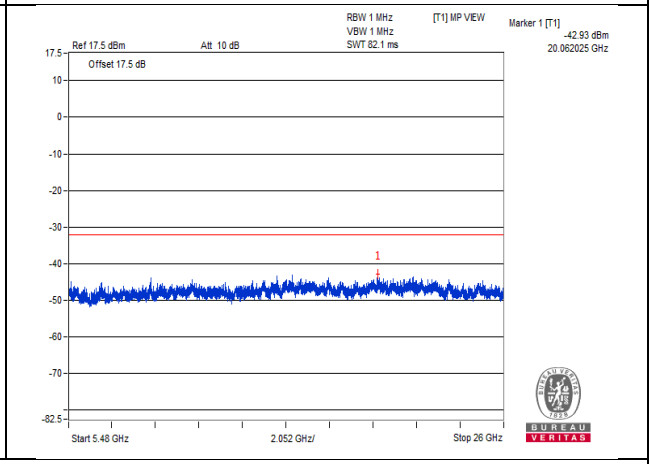
Note: The spectrum plots are attached on the following pages.

Vnormal







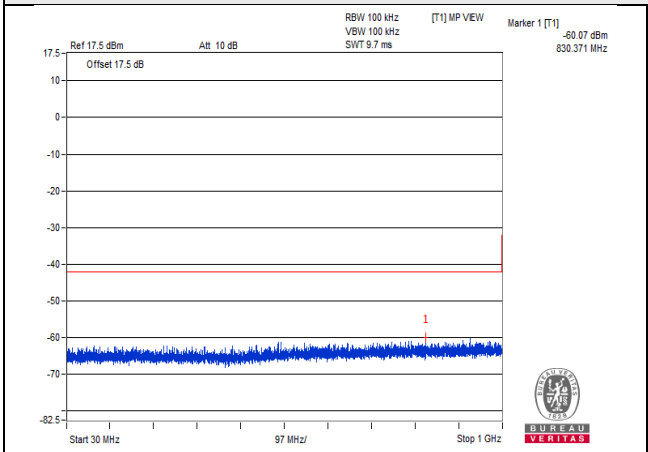


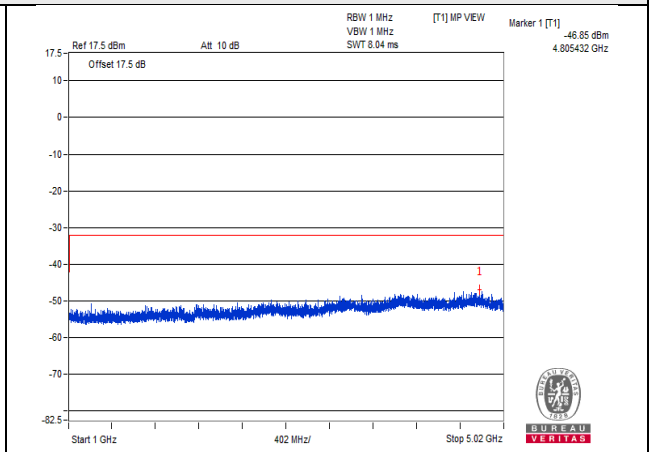
CH 42 (5210MHz)

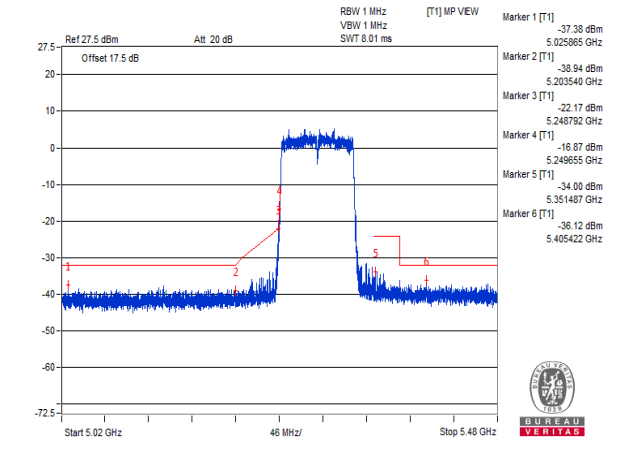
Test Channel		CH 58 (5290MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	830.371	0.000984	0.062	Pass
	1000.0 to 5020.0	4805.432	0.020654	0.625	Pass
	5020.0 to 5203.3	5025.865	0.182810	0.625	Pass
	5203.3 to 5210.0	5203.540	0.127644	0.635	Pass
	5210.0 to 5249.0	5248.792	6.067363	6.189	Pass
	5249.0 to 5250.0	5249.655	20.558906	28.241	Pass
	5350.0 to 5376.8	5351.487	0.398107	3.750	Pass
	5376.8 to 5480.0	5405.422	0.244343	0.625	Pass
	5480.0 to 26000.0	22873.265	0.050816	0.625	Pass

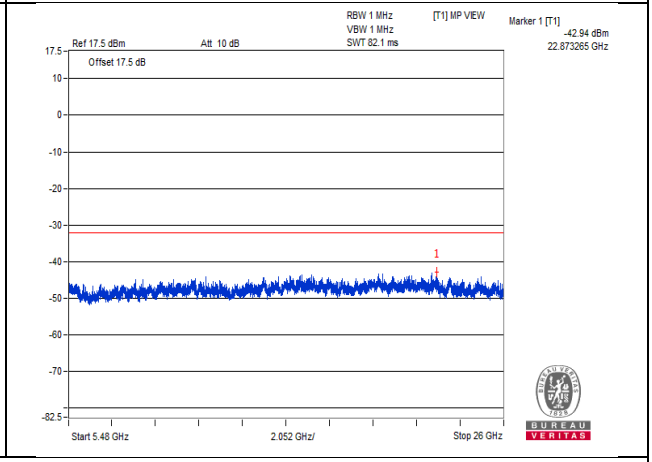
Note: The spectrum plots are attached on the following pages.

Vnormal









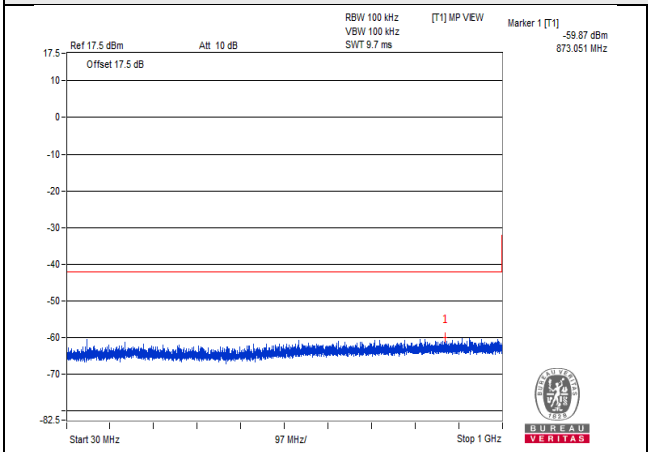
CH 58 (5290MHz)

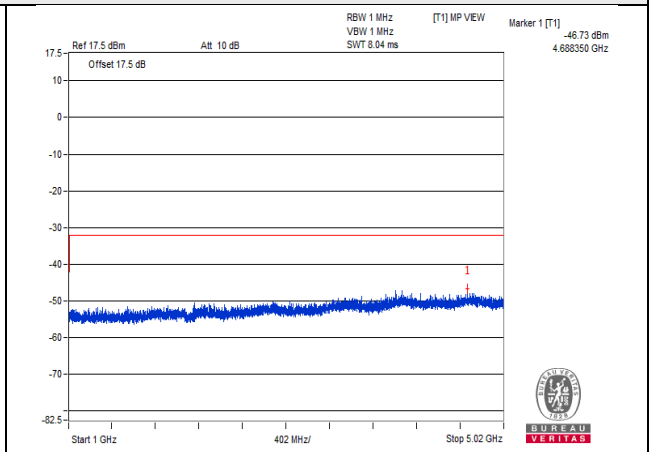
Chain 2

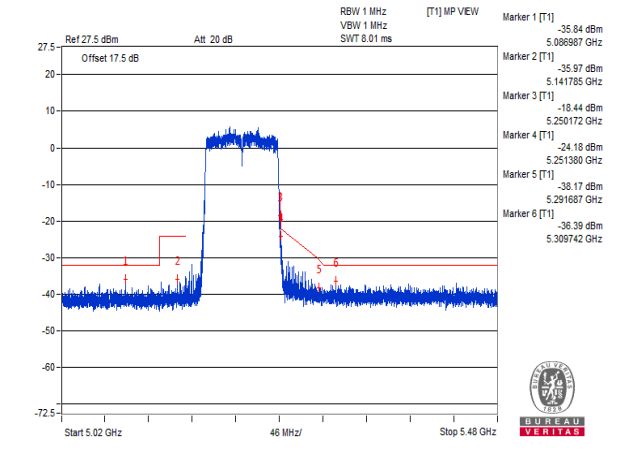
Test Channel		CH 42 (5210MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	873.051	0.001030	0.062	Pass
	1000.0 to 5020.0	4688.350	0.021232	0.625	Pass
	5020.0 to 5123.2	5086.987	0.260615	0.625	Pass
	5123.2 to 5150.0	5141.785	0.252930	3.750	Pass
	5250.0 to 5251.0	5250.172	14.321879	42.061	Pass
	5251.0 to 5290.0	5251.380	3.819443	6.139	Pass
	5290.0 to 5296.7	5291.687	0.152405	0.882	Pass
	5296.7 to 5480.0	5309.742	0.229615	0.625	Pass
	5480.0 to 26000.0	21516.380	0.044978	0.625	Pass

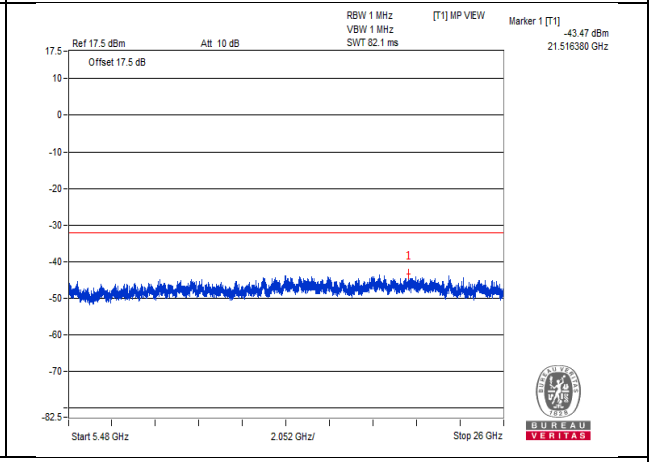
Note: The spectrum plots are attached on the following pages.

Vnormal







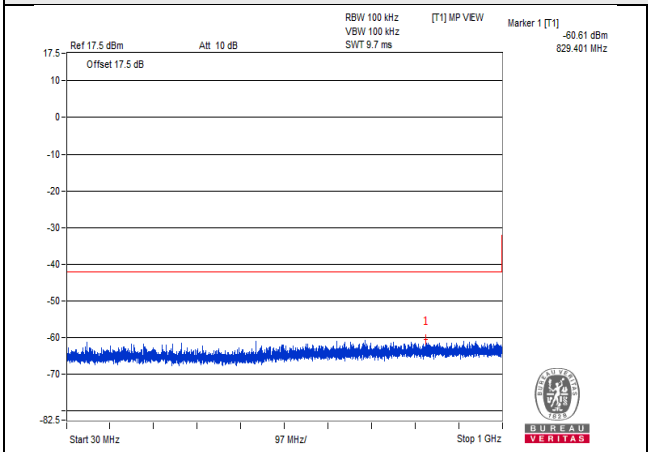


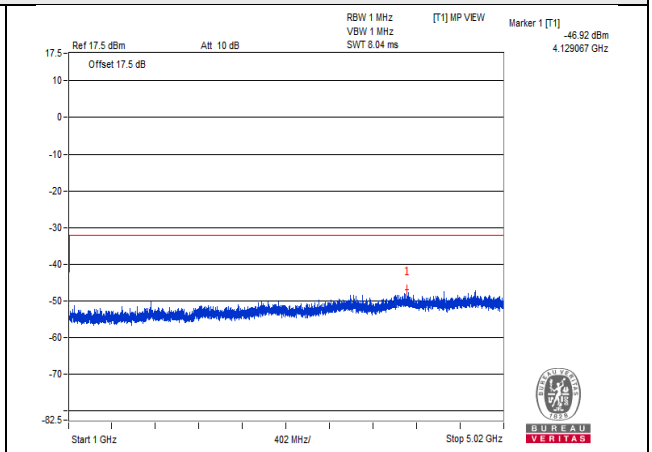
CH 42 (5210MHz)

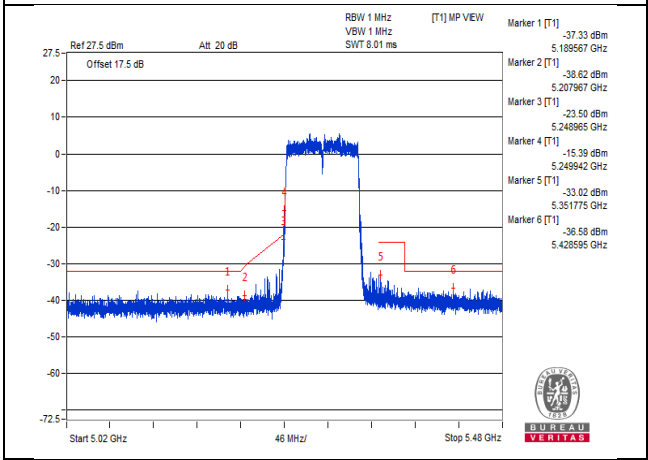
Test Channel		CH 58 (5290MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	829.401	0.000869	0.062	Pass
	1000.0 to 5020.0	4129.067	0.020324	0.625	Pass
	5020.0 to 5203.3	5189.567	0.184927	0.625	Pass
	5203.3 to 5210.0	5207.967	0.137404	0.861	Pass
	5210.0 to 5249.0	5248.965	4.466836	6.240	Pass
	5249.0 to 5250.0	5249.942	28.906799	54.686	Pass
	5350.0 to 5376.8	5351.775	0.498884	3.750	Pass
	5376.8 to 5480.0	5428.595	0.219786	0.625	Pass
	5480.0 to 26000.0	22173.020	0.056494	0.625	Pass

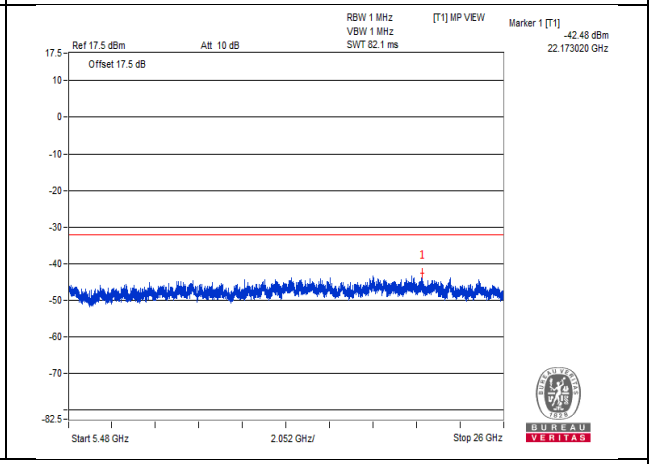
Note: The spectrum plots are attached on the following pages.

Vnormal









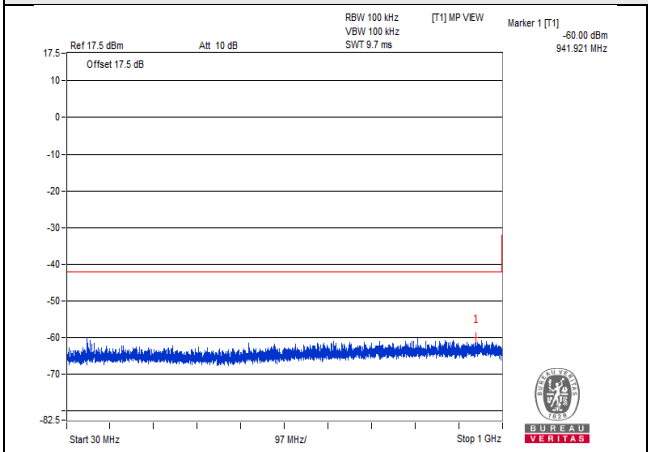
CH 58 (5290MHz)

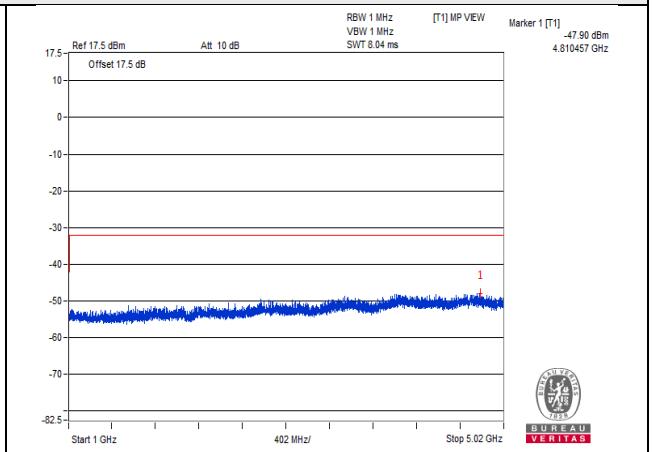
Chain 3

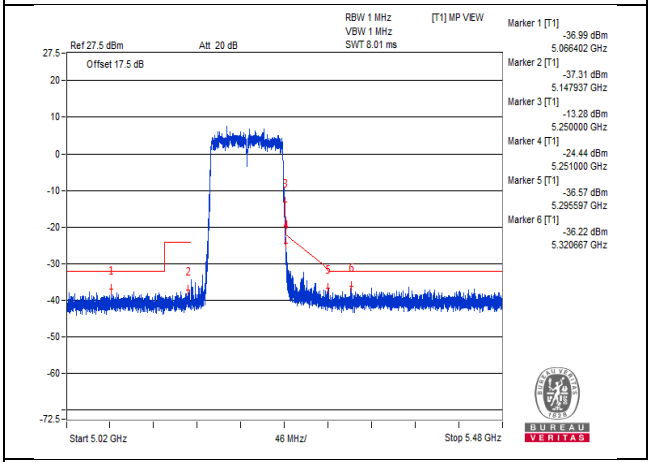
Test Channel		CH 42 (5210MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	941.921	0.001000	0.062	Pass
	1000.0 to 5020.0	4810.457	0.016218	0.625	Pass
	5020.0 to 5123.2	5066.402	0.199986	0.625	Pass
	5123.2 to 5150.0	5147.937	0.185780	3.750	Pass
	5250.0 to 5251.0	5250.000	46.989411	62.500	Pass
	5251.0 to 5290.0	5251.000	3.597493	6.250	Pass
	5290.0 to 5296.7	5295.597	0.220293	0.674	Pass
	5296.7 to 5480.0	5320.667	0.238781	0.625	Pass
	5480.0 to 26000.0	16550.540	0.048195	0.625	Pass

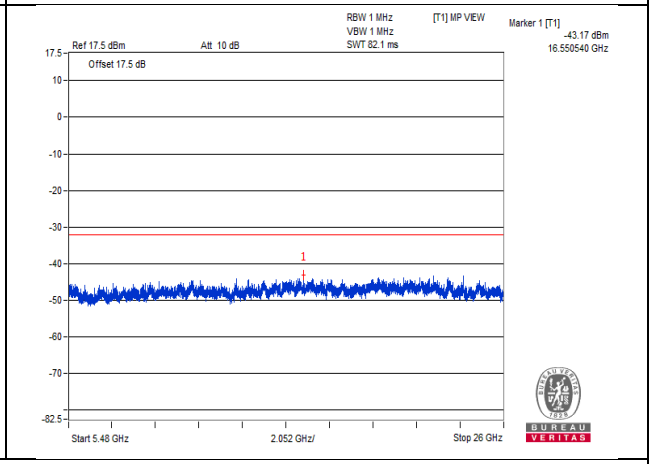
Note: The spectrum plots are attached on the following pages.

Vnormal









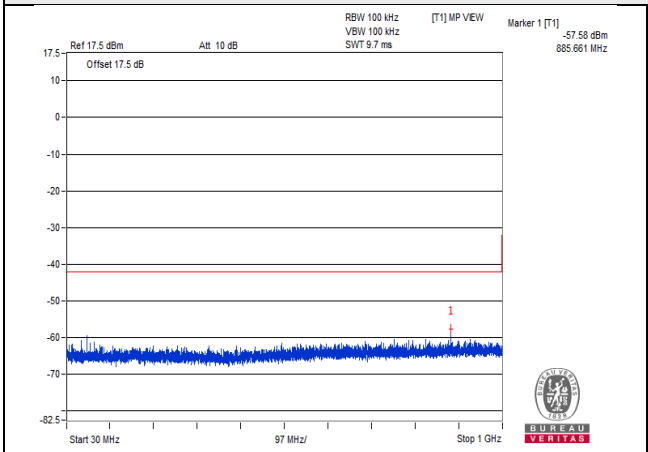
CH 42 (5210MHz)

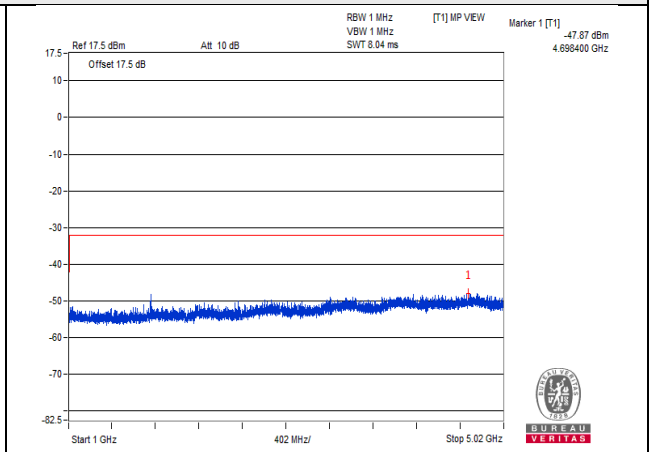
Test Channel		CH 58 (5290MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	885.661	0.001746	0.062	Pass
	1000.0 to 5020.0	4698.400	0.016331	0.625	Pass
	5020.0 to 5203.3	5163.462	0.179887	0.625	Pass
	5203.3 to 5210.0	5208.197	0.196336	0.875	Pass
	5210.0 to 5249.0	5249.000	0.453382	6.250	Pass(1)
	5249.0 to 5250.0	5250.000	17.100153	62.500	Pass
	5350.0 to 5376.8	5356.605	0.535797	3.750	Pass
	5376.8 to 5480.0	5411.517	0.232809	0.625	Pass
	5480.0 to 26000.0	16904.510	0.054576	0.625	Pass

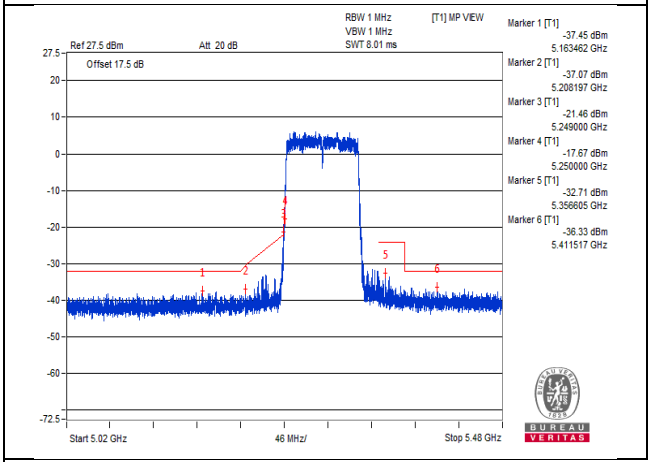
Note: 1. The spectrum plots are attached on the following pages.

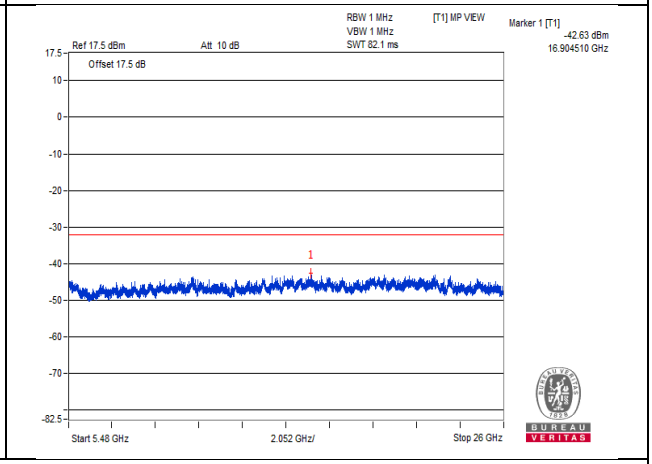
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal

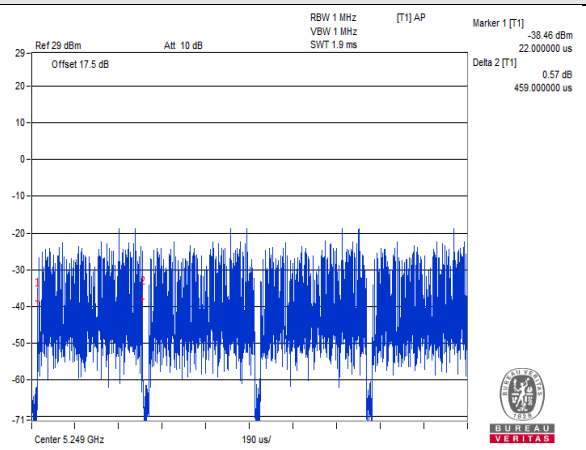








CH 58 (5290MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5249.000MHz	P = 0.453382uW			

[Worst result] x [Number of antenna ports]

Test Channel		CH 42 (5210MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.004216	0.248	Pass
	1000.0 to 5020.0	0.084928	2.5	Pass
	5020.0 to 5123.2	1.042460	2.5	Pass
	5123.2 to 5150.0	2.213400	15	Pass
	5250.0 to 5251.0	187.957644	250	Pass
	5251.0 to 5290.0	16.183036	24.688	Pass
	5290.0 to 5296.7	0.966184	2.512	Pass
	5296.7 to 5480.0	0.955124	2.5	Pass
	5480.0 to 26000.0	0.203732	2.5	Pass

Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

Test Channel		CH 58 (5290MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.006984	0.248	Pass
	1000.0 to 5020.0	0.082616	2.5	Pass
	5020.0 to 5203.3	0.739708	2.5	Pass
	5203.3 to 5210.0	0.785344	3.5	Pass
	5210.0 to 5249.0	24.269452	24.756	Pass
	5249.0 to 5250.0	115.627196	218.744	Pass
	5350.0 to 5376.8	2.443768	15	Pass
	5376.8 to 5480.0	0.981884	2.5	Pass
	5480.0 to 26000.0	0.225976	2.5	Pass

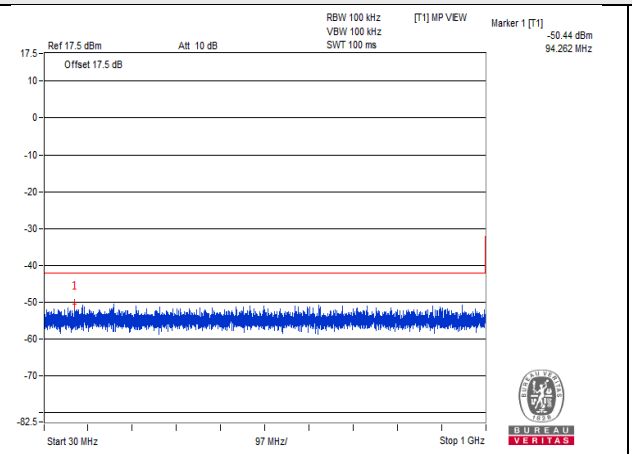
Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

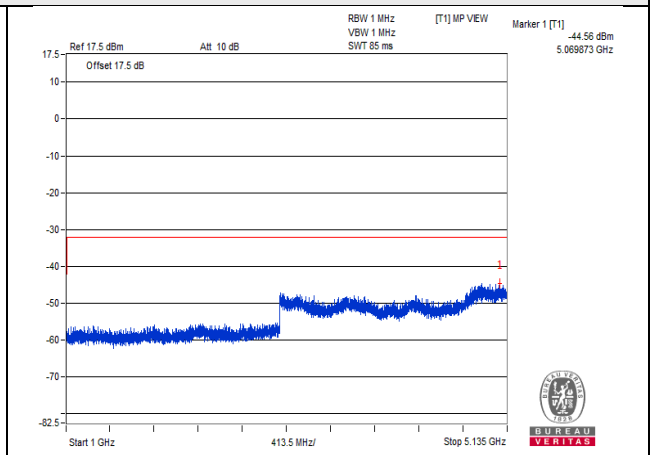
W52 & W53 Bands:
802.11ax (HE20)
Chain 0

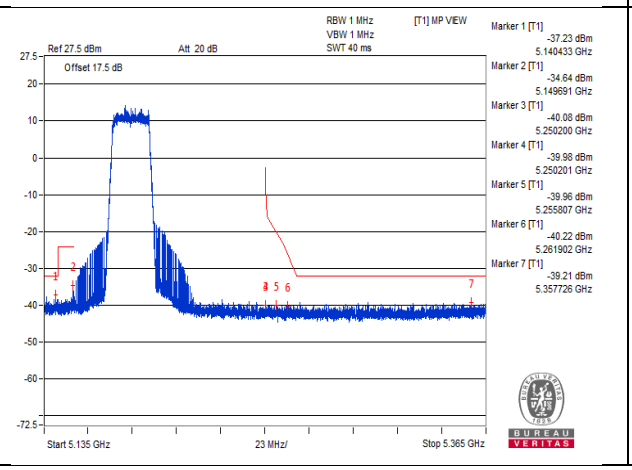
Test Channel		CH 36 (5180MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	94.262	0.009036	0.062	Pass
	1000.0 to 5135.0	5069.873	0.034995	0.625	Pass
	5135.0 to 5142.0	5140.433	0.189234	0.625	Pass
	5142.0 to 5150.0	5149.691	0.343558	3.750	Pass
	5250.0 to 5250.2	5250.200	0.098175	157.739	Pass
	5250.2 to 5251.0	5250.201	0.100462	157.377	Pass
	5251.0 to 5260.0	5255.807	0.100925	9.347	Pass
	5260.0 to 5266.7	5261.902	0.095060	2.346	Pass
	5266.7 to 5365.0	5357.726	0.119950	0.625	Pass
	5365.0 to 26000.0	25858.134	0.050816	0.625	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	168.103	0.008185	0.062	Pass
	1000.0 to 5135.0	5027.490	0.041879	0.625	Pass
	5135.0 to 5142.0	5138.335	0.122744	0.625	Pass
	5142.0 to 5150.0	5142.130	0.143219	3.750	Pass
	5250.0 to 5250.2	5250.000	291.801067	538.609	Pass(1)
	5250.2 to 5251.0	5250.200	117.154219	157.739	Pass(2)
	5251.0 to 5260.0	5251.000	6.126045	25.000	Pass(3)
	5260.0 to 5266.7	5260.637	0.011507	3.324	Pass(4)
	5266.7 to 5365.0	5268.198	0.002428	0.625	Pass(5)
	5365.0 to 26000.0	22058.715	0.048978	0.625	Pass

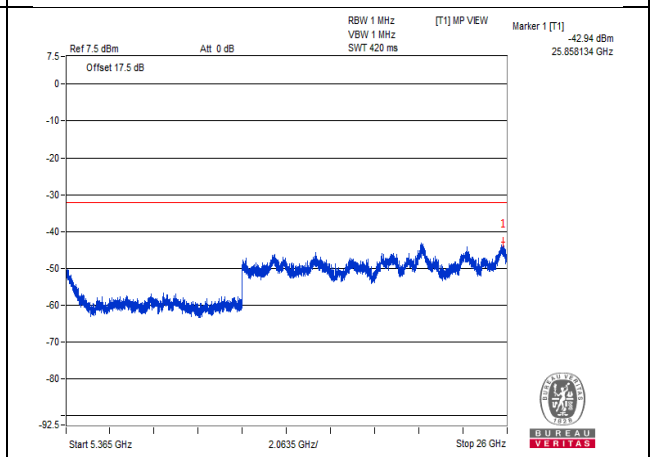
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



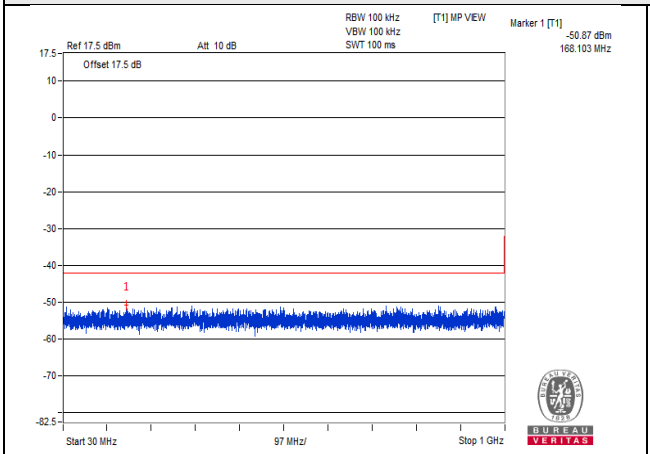


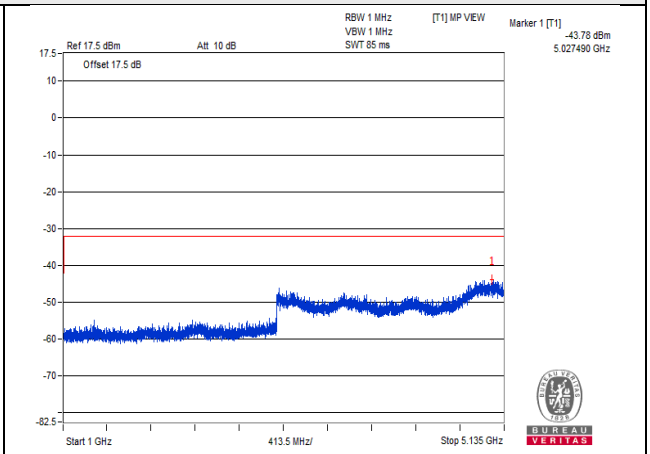


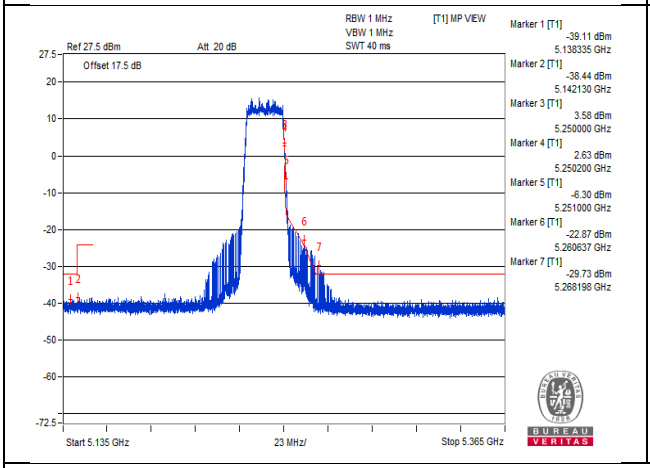


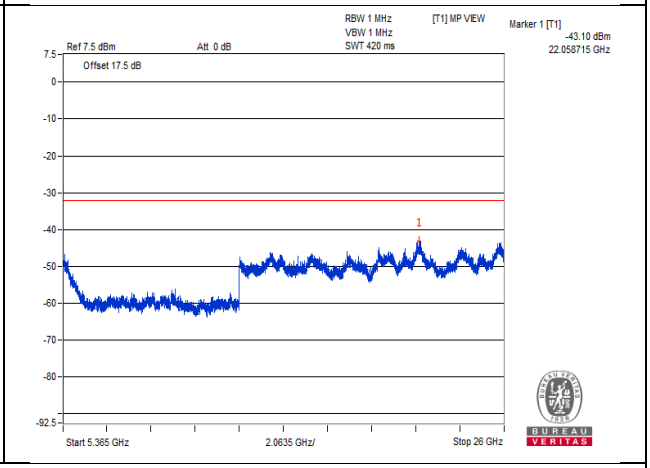
CH 36 (5180MHz)

Vnormal





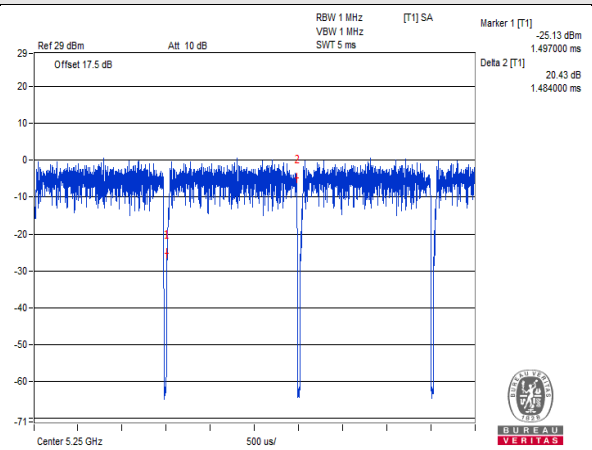




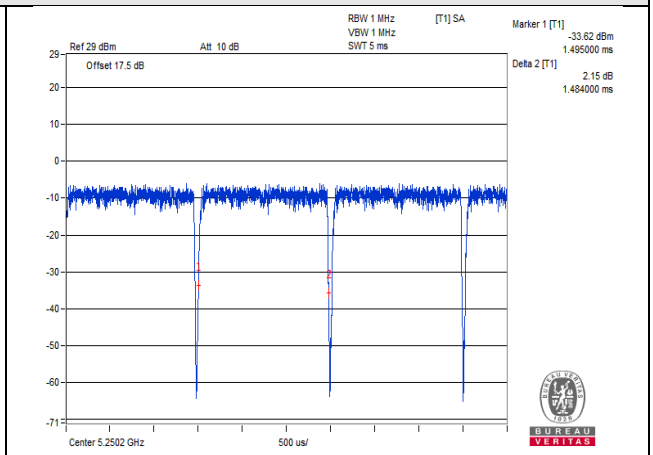
CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

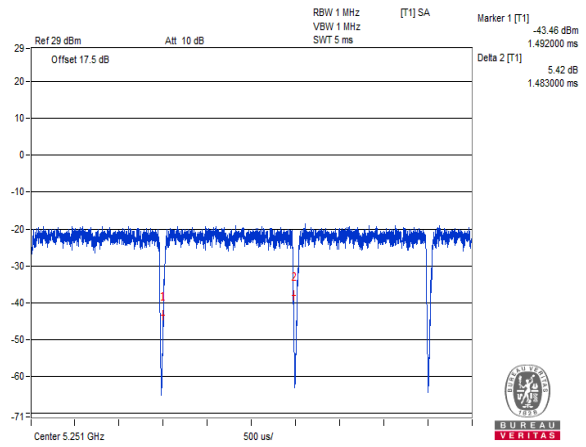
Vnormal



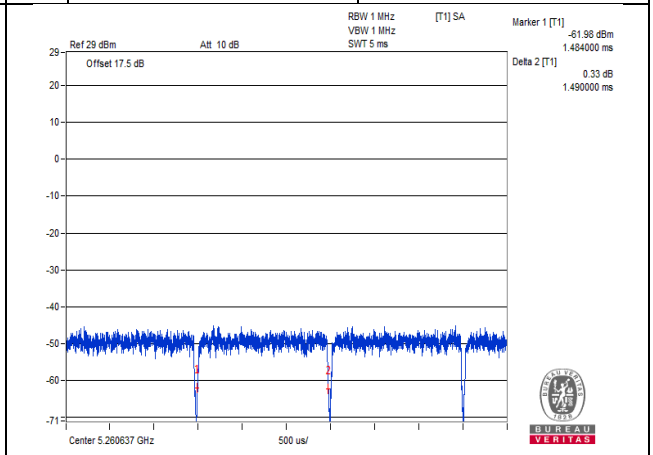
1	5250.000MHz	P = 291.801067uW



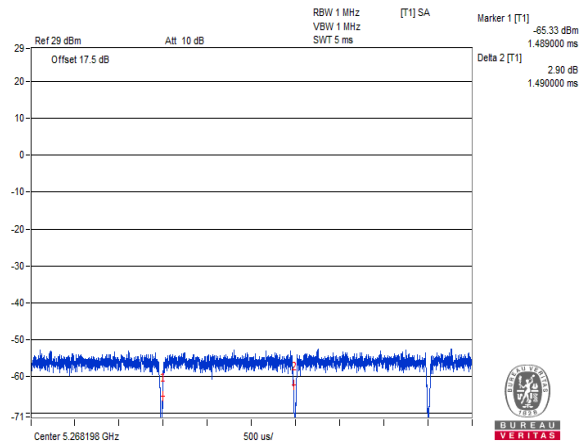
2	5250.200MHz	P = 117.154219uW



3	5251.000MHz	P = 6.126045uW



4	5260.637MHz	P = 0.011507uW



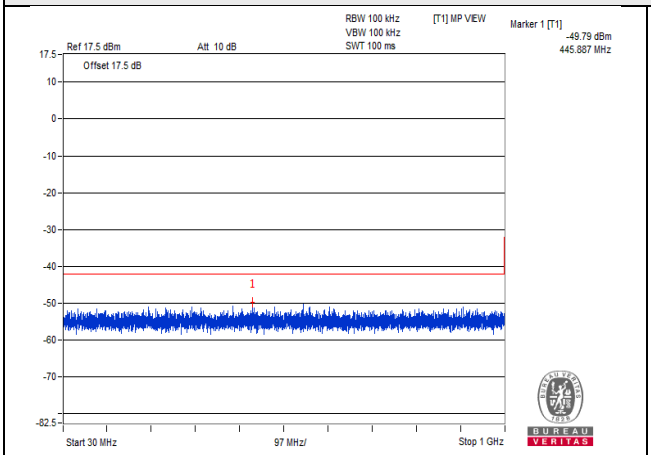
5	5268.198MHz	P = 0.002428uW

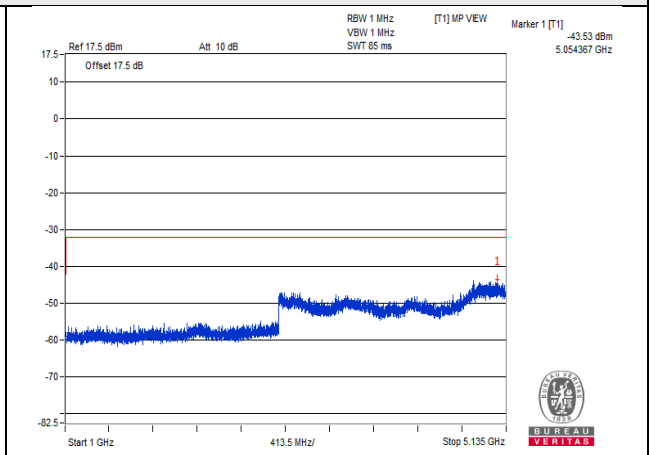
Test Channel		CH 52 (5260MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	445.887	0.010495	0.062	Pass
	1000.0 to 5135.0	5054.367	0.044361	0.625	Pass
	5135.0 to 5233.3	5233.300	0.003078	0.625	Pass(1)
	5233.3 to 5240.0	5238.988	2.754229	2.998	Pass
	5240.0 to 5249.0	5249.000	12.122276	25.000	Pass(2)
	5249.0 to 5249.8	5249.770	144.107224	147.211	Pass(3)
	5249.8 to 5250.0	5249.913	220.199677	315.699	Pass(4)
	5350.0 to 5365.0	5353.615	0.127350	0.625	Pass
	5365.0 to 26000.0	25770.435	0.045186	0.625	Pass
Test Channel		**CH 64 (5320MHz)**			
V_{normal}	30.0 to 1000.0	525.063	0.010186	0.062	Pass
	1000.0 to 5135.0	5075.559	0.027990	0.625	Pass
	5135.0 to 5233.3	5171.771	0.156315	0.625	Pass
	5233.3 to 5240.0	5236.631	0.131220	1.565	Pass
	5240.0 to 5249.0	5240.828	0.118032	4.694	Pass
	5249.0 to 5249.8	5249.338	0.104472	54.443	Pass
	5249.8 to 5250.0	5249.971	0.075162	450.754	Pass
	5350.0 to 5365.0	5352.925	0.446684	0.625	Pass
	5365.0 to 26000.0	25842.658	0.057943	0.625	Pass

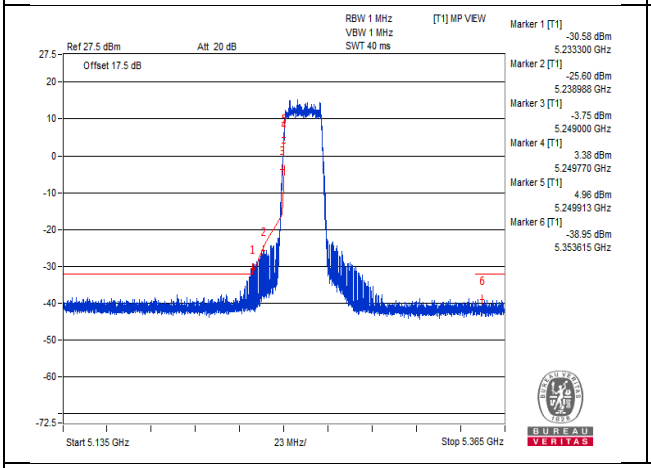
Note: 1. The spectrum plots are attached on the following pages.

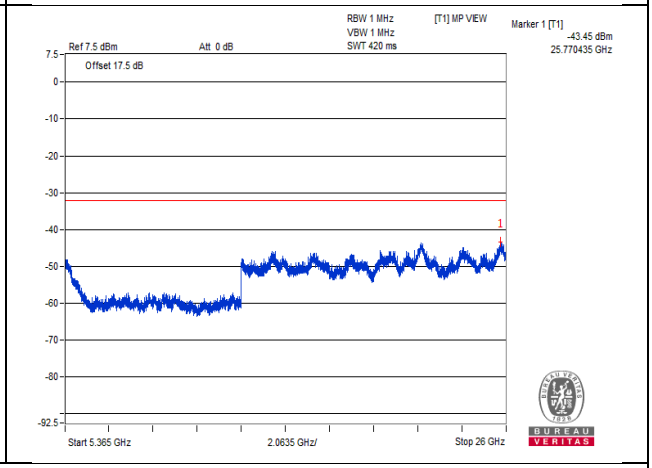
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



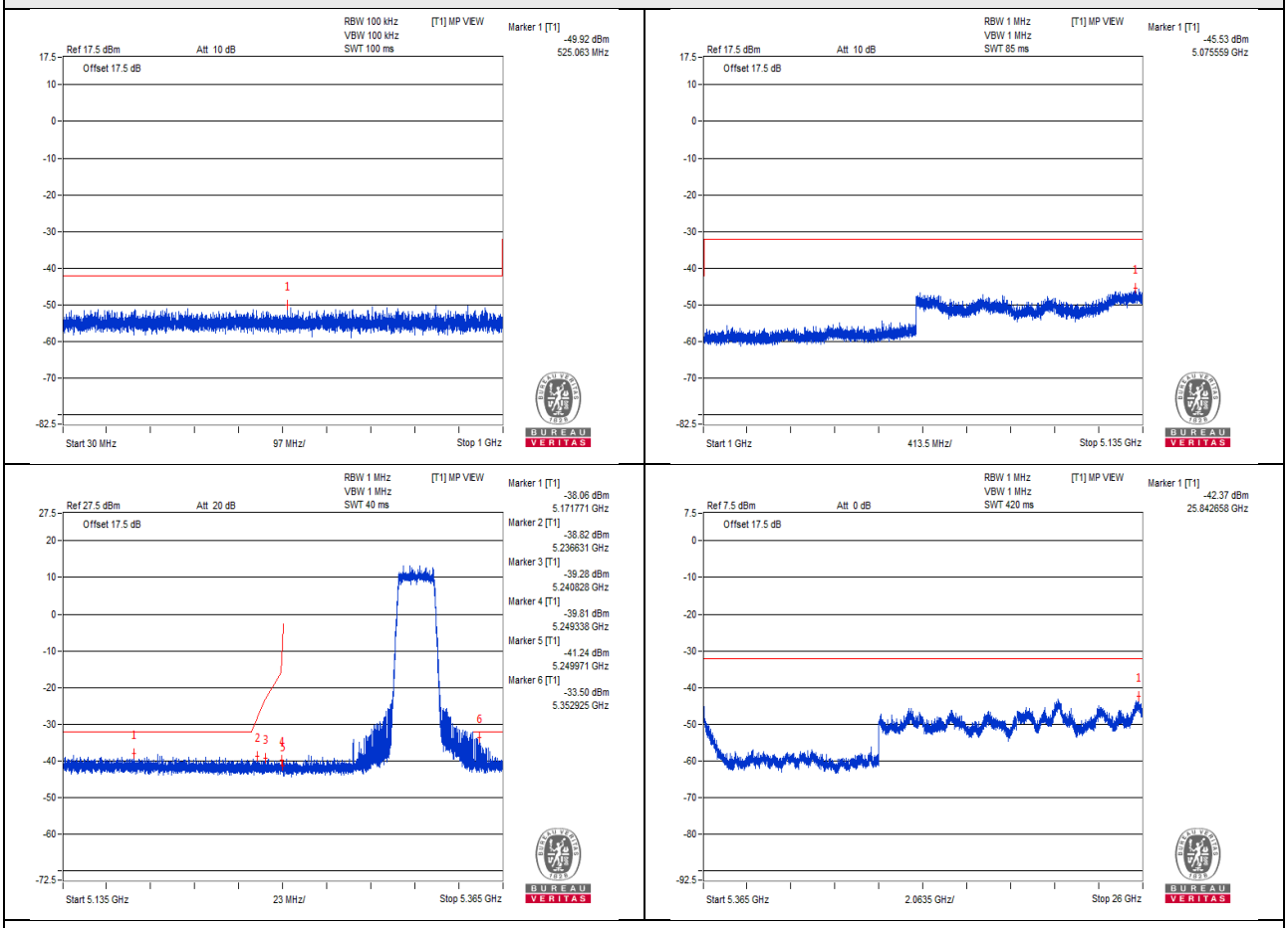






CH 52 (5260MHz)

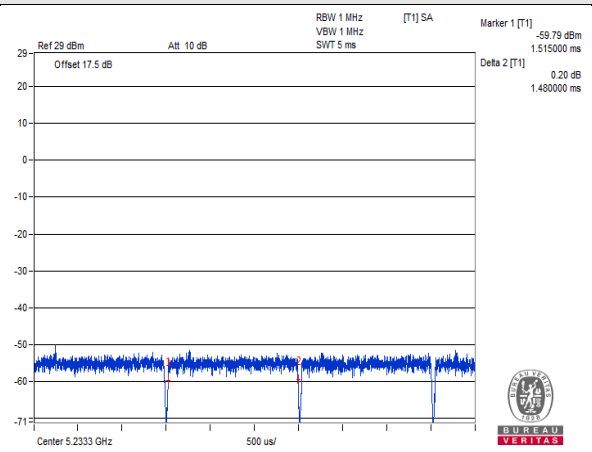
Vnormal



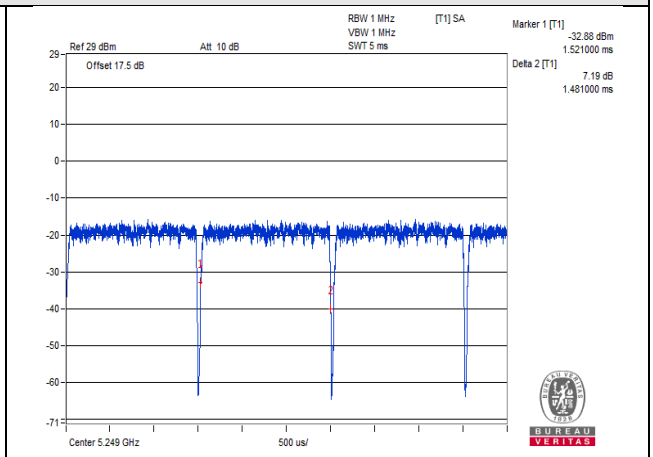
CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

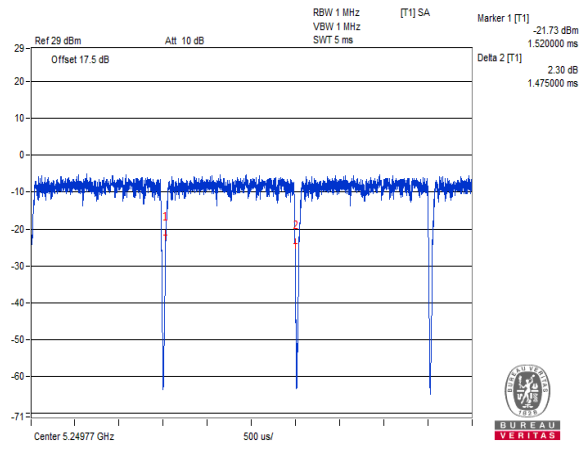
Vnormal



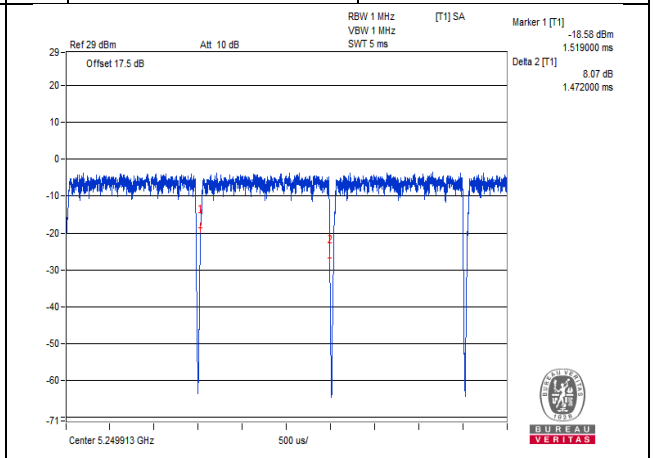
1	5233.300MHz	P = 0.003078uW



2	5249.000MHz	P = 12.122276uW



3	5249.770MHz	P = 144.107224uW



4	5249.913MHz	P = 220.199677uW

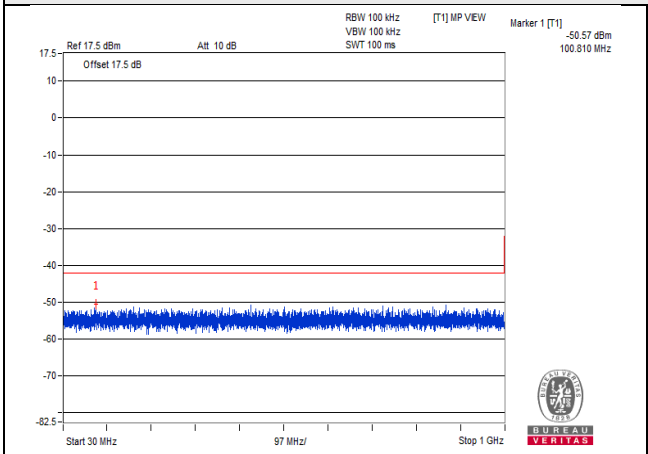
Chain 1

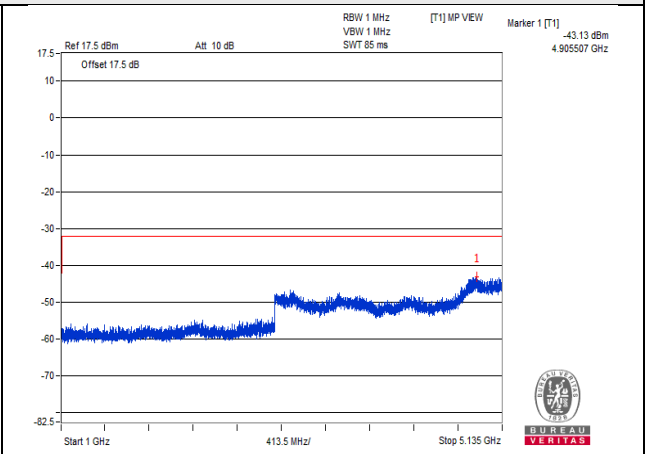
Test Channel		CH 36 (5180MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	100.810	0.008770	0.062	Pass
	1000.0 to 5135.0	4905.507	0.048641	0.625	Pass
	5135.0 to 5142.0	5138.622	0.138357	0.625	Pass
	5142.0 to 5150.0	5149.720	0.415911	3.750	Pass
	5250.0 to 5250.2	5250.143	0.087700	223.841	Pass
	5250.2 to 5251.0	5250.460	0.085114	86.684	Pass
	5251.0 to 5260.0	5259.085	0.133352	4.778	Pass
	5260.0 to 5266.7	5266.700	0.123595	0.625	Pass
	5266.7 to 5365.0	5330.586	0.154170	0.625	Pass
	5365.0 to 26000.0	22040.659	0.057544	0.625	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	284.625	0.010914	0.062	Pass
	1000.0 to 5135.0	5069.873	0.042756	0.625	Pass
	5135.0 to 5142.0	5139.226	0.174582	0.625	Pass
	5142.0 to 5150.0	5149.001	0.133660	3.750	Pass
	5250.0 to 5250.2	5250.028	238.954837	453.531	Pass(1)
	5250.2 to 5251.0	5250.287	85.421210	129.104	Pass(2)
	5251.0 to 5260.0	5251.000	6.018868	25.000	Pass(3)
	5260.0 to 5266.7	5260.321	0.011524	3.627	Pass(4)
	5266.7 to 5365.0	5266.703	0.002818	0.625	Pass(5)
	5365.0 to 26000.0	22128.358	0.054954	0.625	Pass

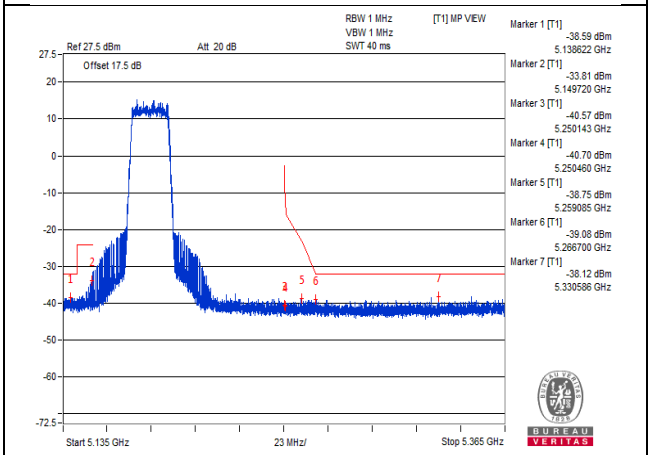
Note: 1. The spectrum plots are attached on the following pages.

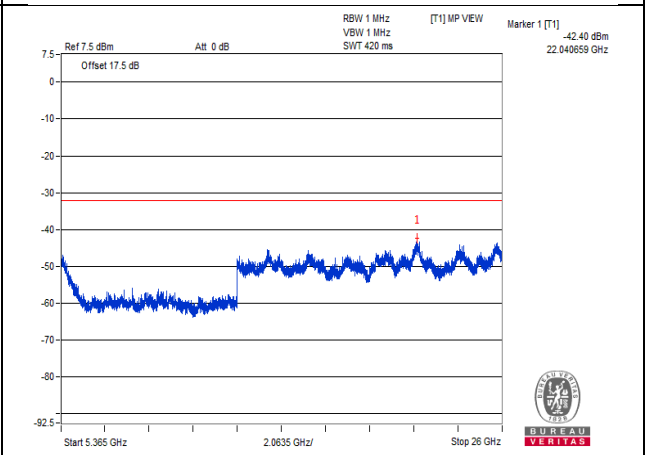
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



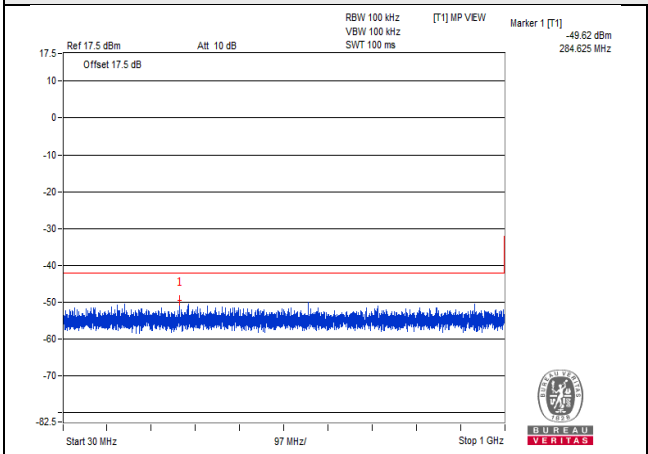


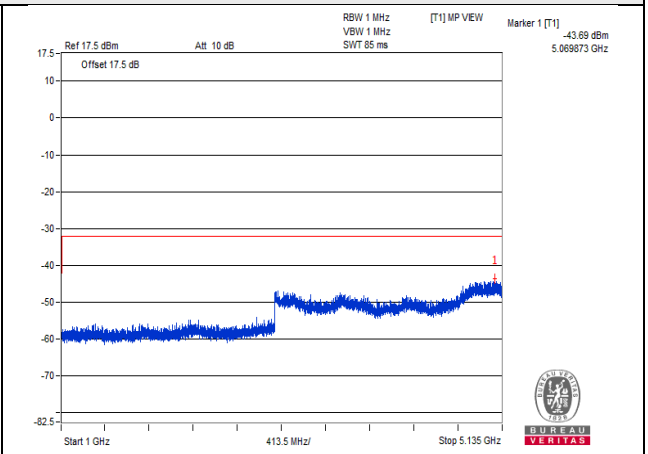


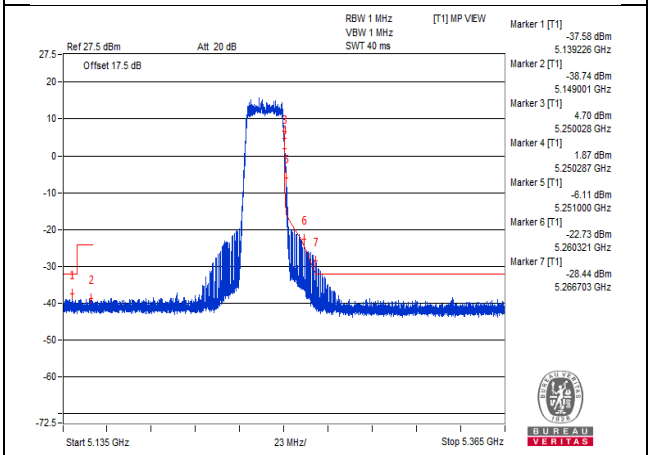


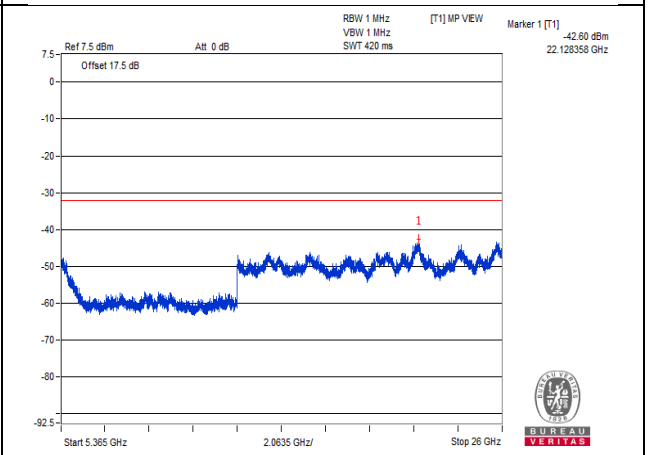
CH 36 (5180MHz)

Vnormal





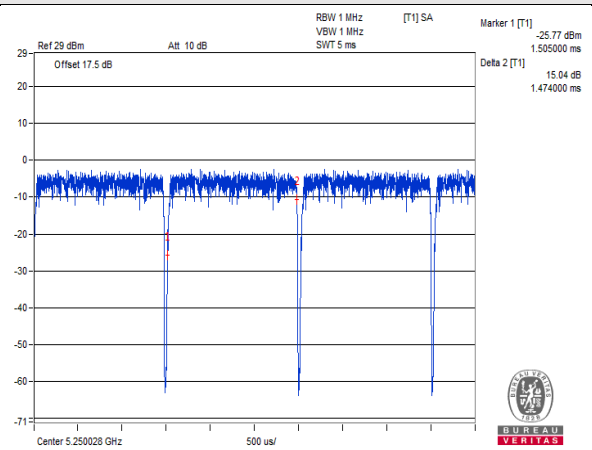




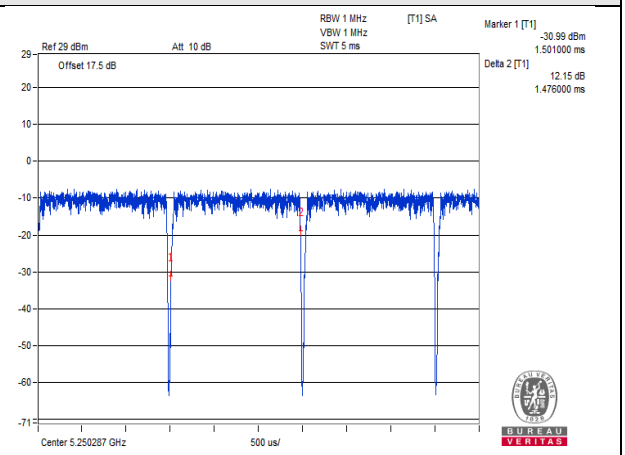
CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

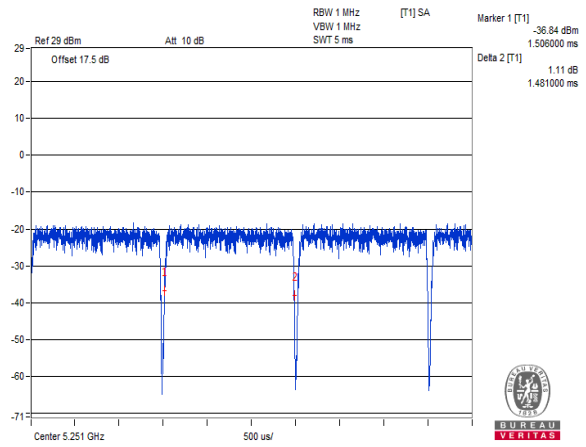
Vnormal



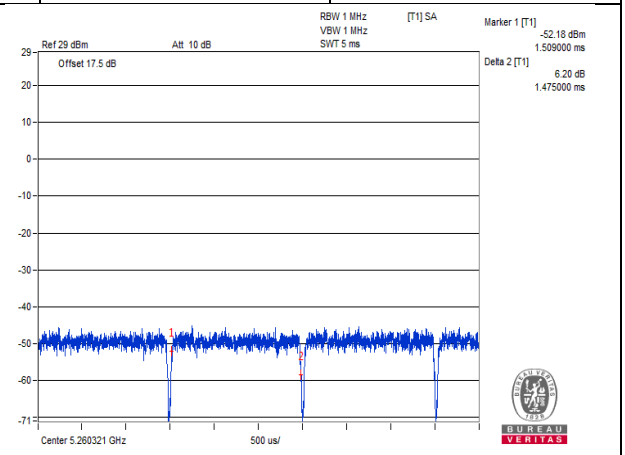
1	5250.028MHz	P = 238.954837uW



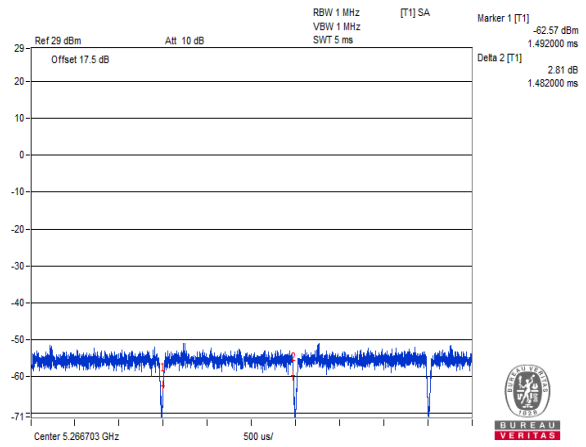
2	5250.287MHz	P = 85.42121uW



3	5251.000MHz	P = 6.018868uW



4	5260.321MHz	P = 0.011524uW



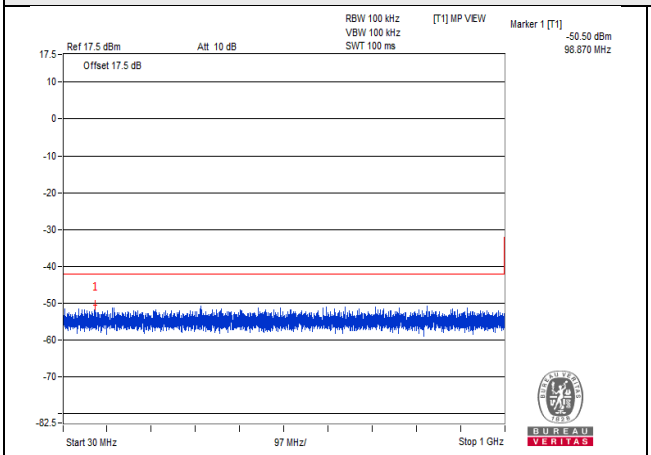
5	5266.703MHz	P = 0.002818uW

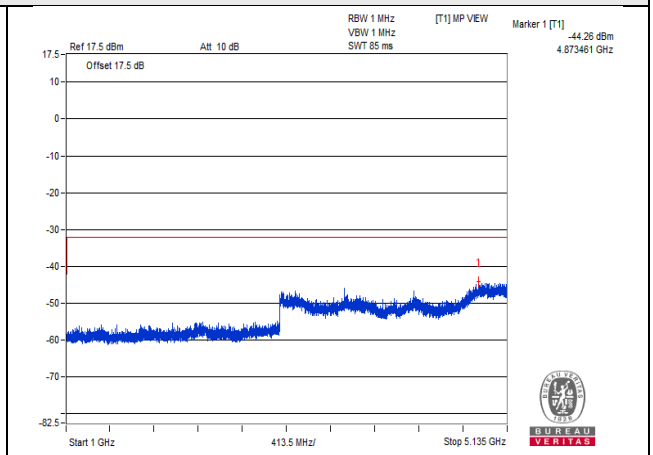
Test Channel		CH 52 (5260MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	98.870	0.008913	0.062	Pass
	1000.0 to 5135.0	4873.461	0.037497	0.625	Pass
	5135.0 to 5233.3	5233.152	0.002998	0.625	Pass(1)
	5233.3 to 5240.0	5238.816	2.660725	2.859	Pass
	5240.0 to 5249.0	5249.000	12.106525	25.000	Pass(2)
	5249.0 to 5249.8	5249.741	133.886127	137.702	Pass(3)
	5249.8 to 5250.0	5249.913	224.800733	315.699	Pass(4)
	5350.0 to 5365.0	5362.441	0.130017	0.625	Pass
	5365.0 to 26000.0	22105.143	0.051168	0.625	Pass
Test Channel		**CH 64 (5320MHz)**			
V_{normal}	30.0 to 1000.0	80.682	0.009506	0.062	Pass
	1000.0 to 5135.0	5105.538	0.040087	0.625	Pass
	5135.0 to 5233.3	5213.688	0.149968	0.625	Pass
	5233.3 to 5240.0	5238.988	0.129122	2.998	Pass
	5240.0 to 5249.0	5247.987	0.118850	20.319	Pass
	5249.0 to 5249.8	5249.281	0.093541	47.746	Pass
	5249.8 to 5250.0	5249.856	0.101625	222.471	Pass
	5350.0 to 5365.0	5351.142	0.005946	0.625	Pass(5)
	5365.0 to 26000.0	22020.024	0.060534	0.625	Pass

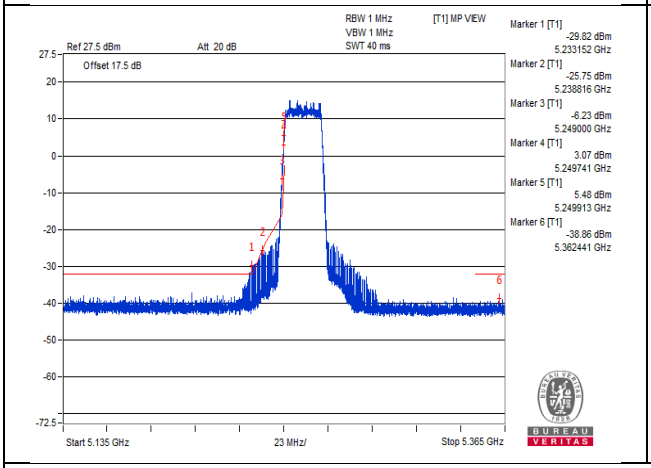
Note: 1. The spectrum plots are attached on the following pages.

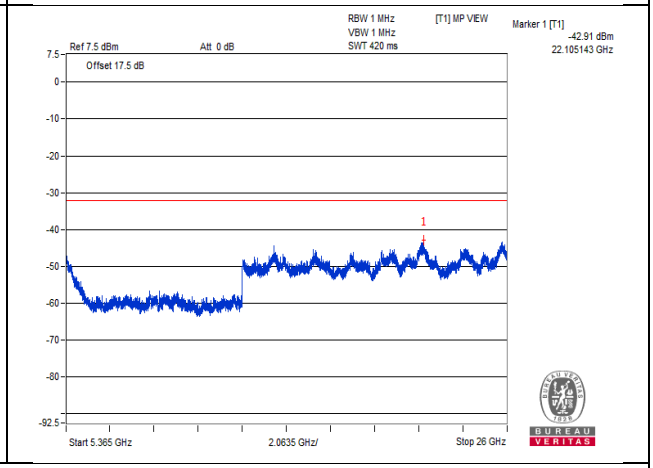
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



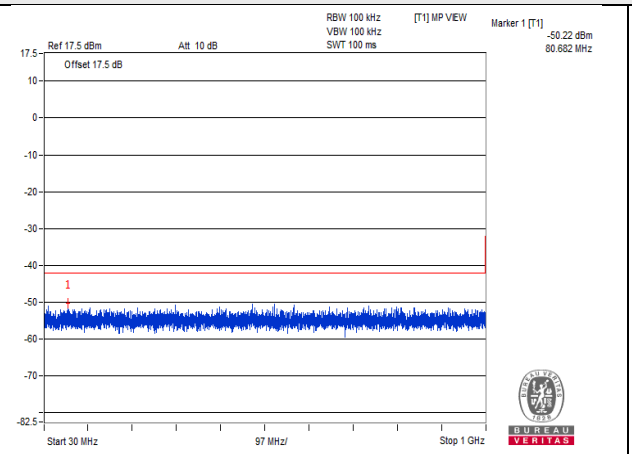


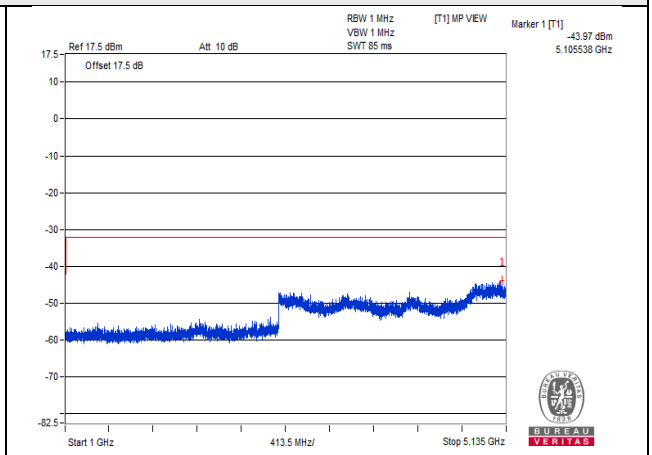


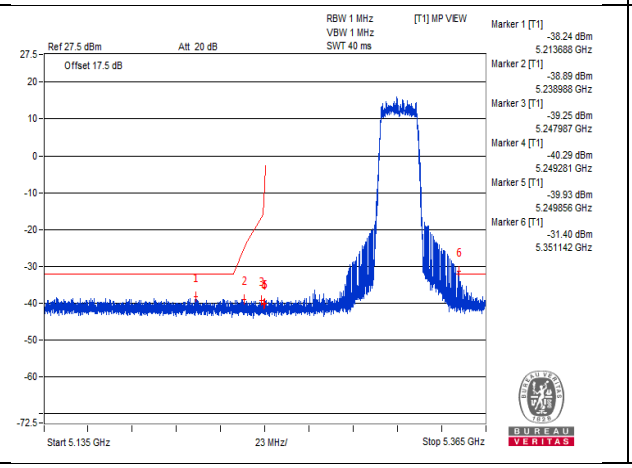


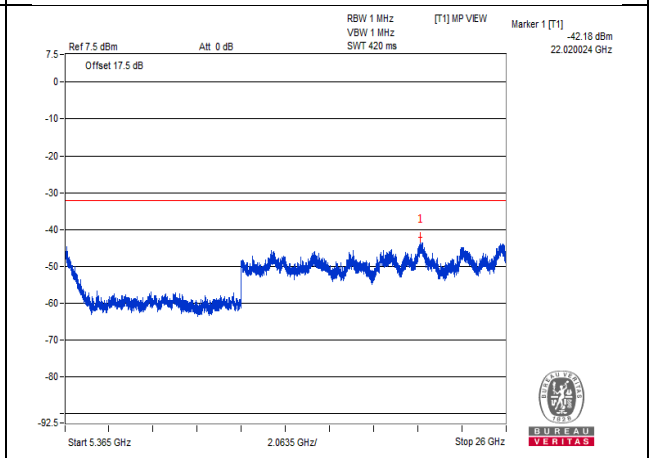
CH 52 (5260MHz)

Vnormal





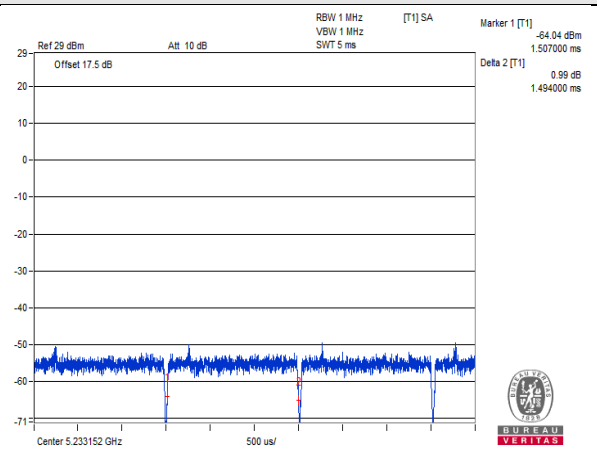




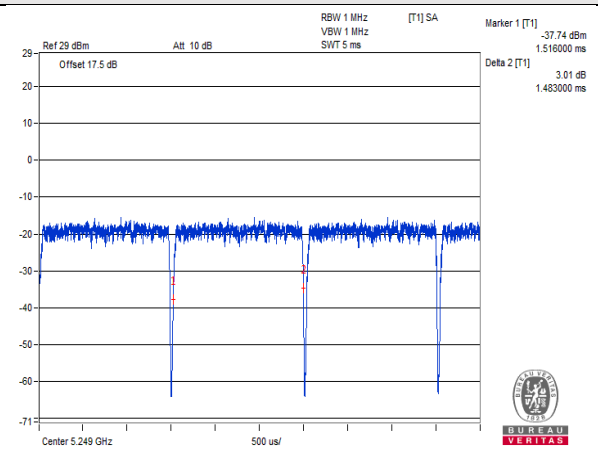
CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

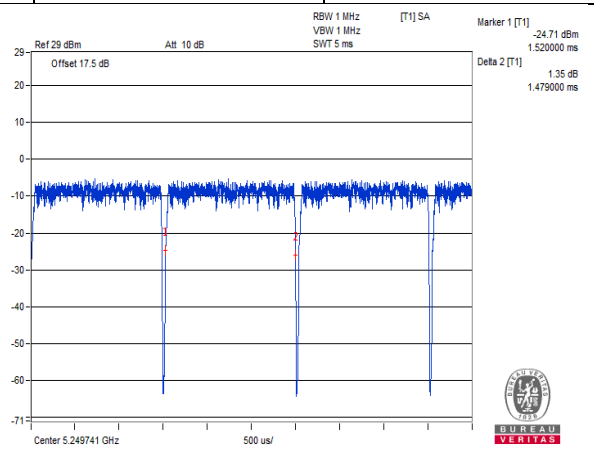
Vnormal



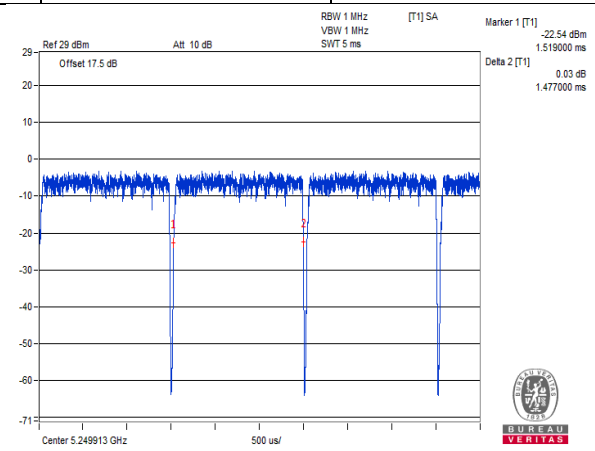
1	5233.152MHz	P = 0.002998uW



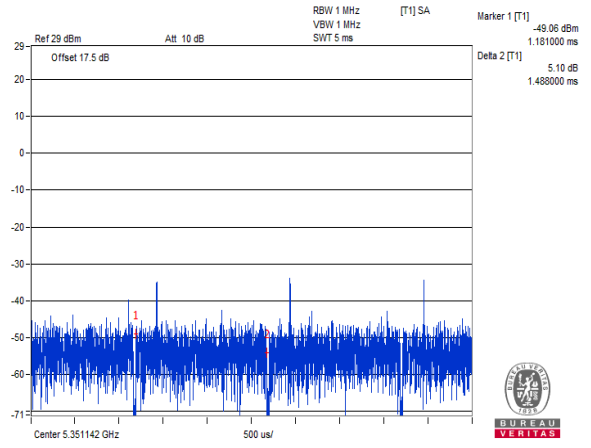
2	5249.000MHz	P = 12.106525uW



3	5249.741MHz	P = 133.886127uW



4	5249.913MHz	P = 224.800733uW



5	5351.142MHz	P = 0.005946uW

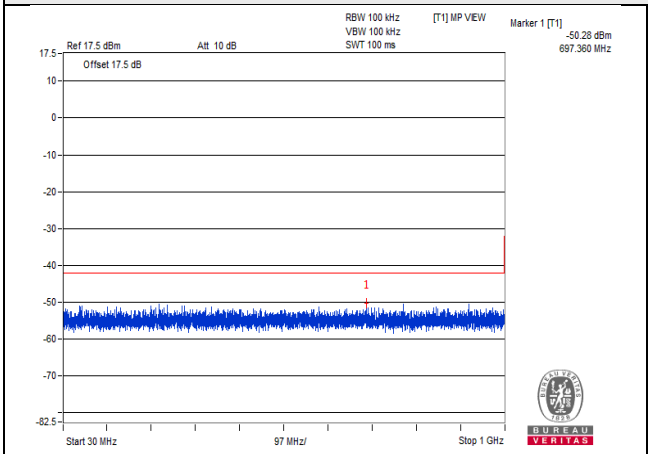
Chain 2

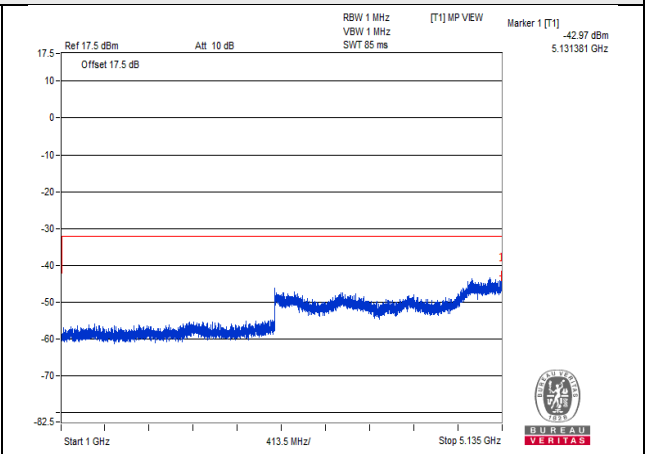
Test Channel		CH 36 (5180MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	697.360	0.009376	0.062	Pass
	1000.0 to 5135.0	5131.381	0.050466	0.625	Pass
	5135.0 to 5142.0	5141.468	0.138357	0.625	Pass
	5142.0 to 5150.0	5149.087	0.373250	3.750	Pass
	5250.0 to 5250.2	5250.115	0.108893	265.832	Pass
	5250.2 to 5251.0	5250.345	0.091201	112.964	Pass
	5251.0 to 5260.0	5256.267	0.109144	8.507	Pass
	5260.0 to 5266.7	5260.637	0.094406	3.324	Pass
	5266.7 to 5365.0	5270.010	0.131826	0.625	Pass
	5365.0 to 26000.0	25806.546	0.045186	0.625	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	960.715	0.010069	0.062	Pass
	1000.0 to 5135.0	5094.683	0.041305	0.625	Pass
	5135.0 to 5142.0	5137.530	0.158855	0.625	Pass
	5142.0 to 5150.0	5146.471	0.146555	3.750	Pass
	5250.0 to 5250.2	5250.000	260.656296	538.609	Pass(1)
	5250.2 to 5251.0	5250.201	117.485066	157.377	Pass(2)
	5251.0 to 5260.0	5251.092	4.387179	24.534	Pass(3)
	5260.0 to 5266.7	5260.235	0.012423	3.714	Pass(4)
	5266.7 to 5365.0	5266.732	0.002850	0.625	Pass(5)
	5365.0 to 26000.0	22146.413	0.044668	0.625	Pass

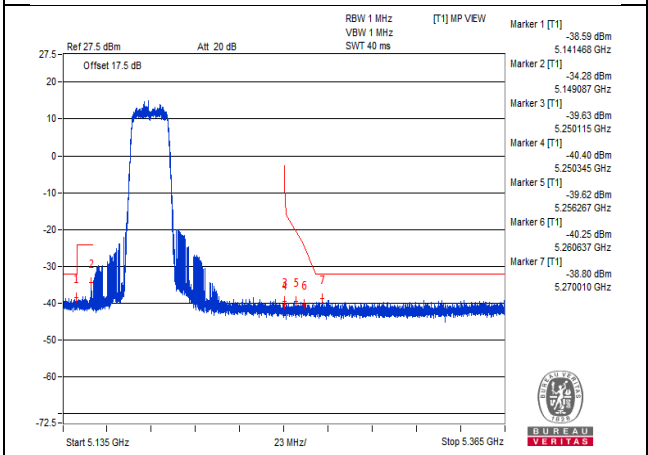
Note: 1. The spectrum plots are attached on the following pages.

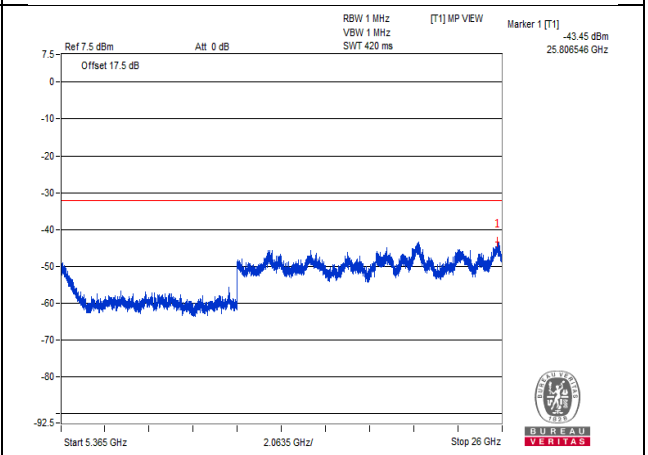
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



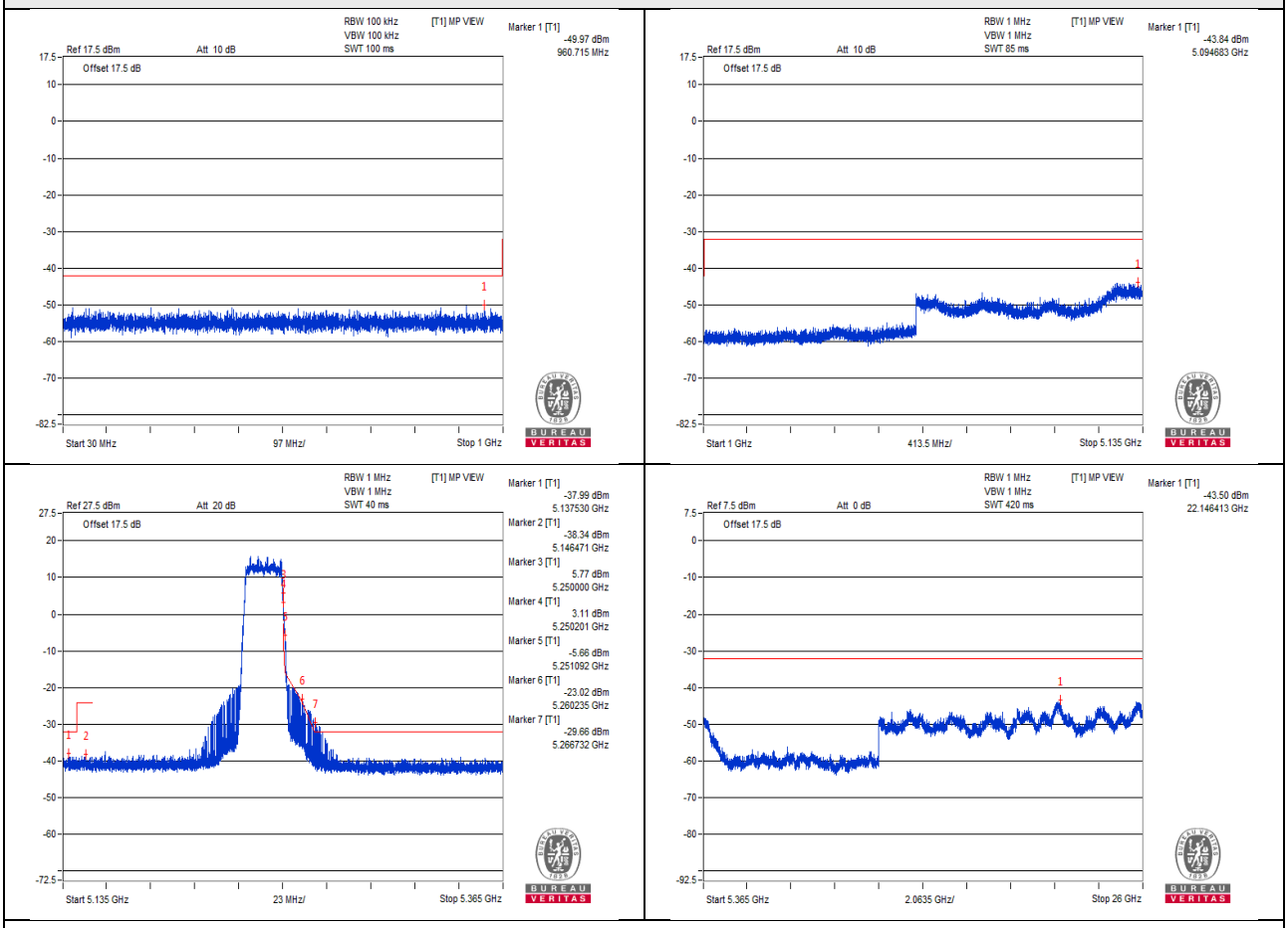




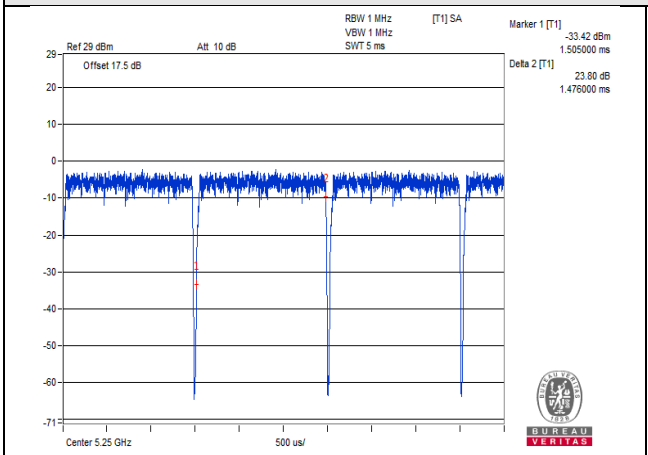
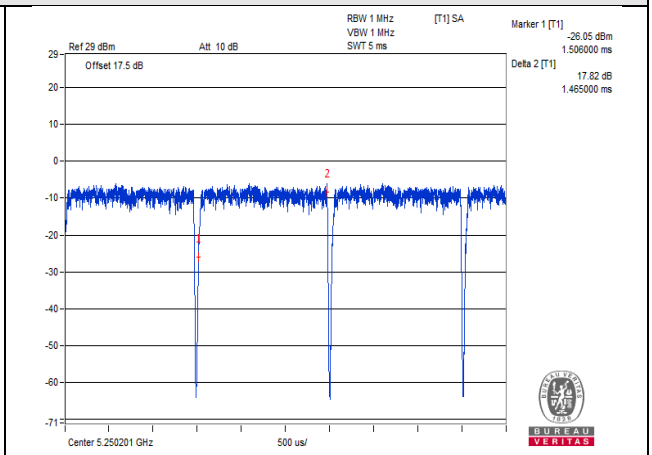
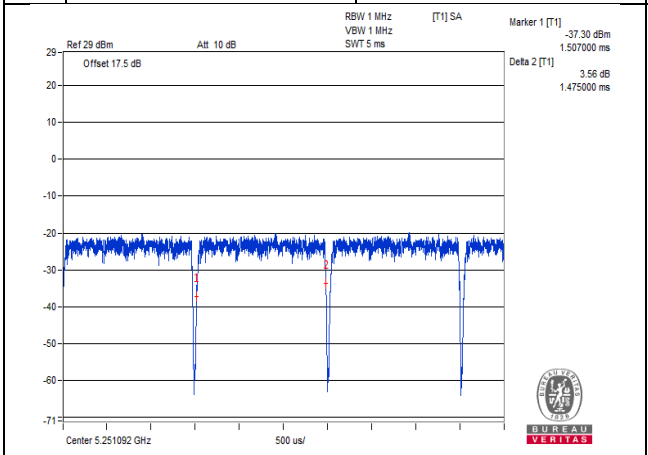
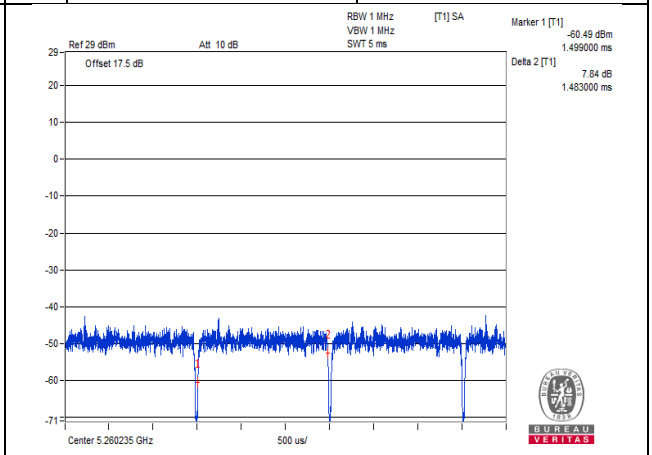
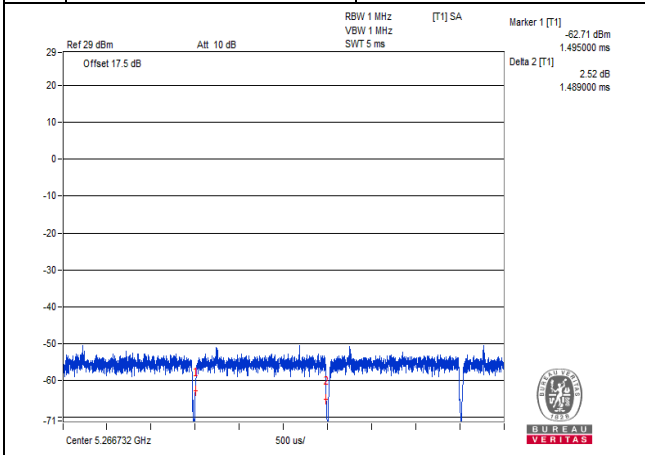


CH 36 (5180MHz)

Vnormal



CH 48 (5240MHz)

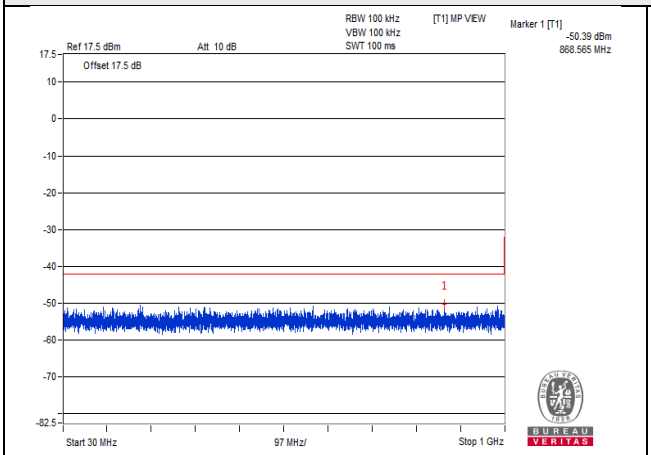
Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the “dBm” value into “uW” value. 3. It adds the all values and calculates a grand total. Define a grand total as “P”. 4. It divides “P” by sample data point (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5250.000MHz	P = 260.656296uW	2	5250.201MHz	P = 117.485066uW
					
3	5251.092MHz	P = 4.387179uW	4	5260.235MHz	P = 0.012423uW
					
5	5266.732MHz	P = 0.00285uW			

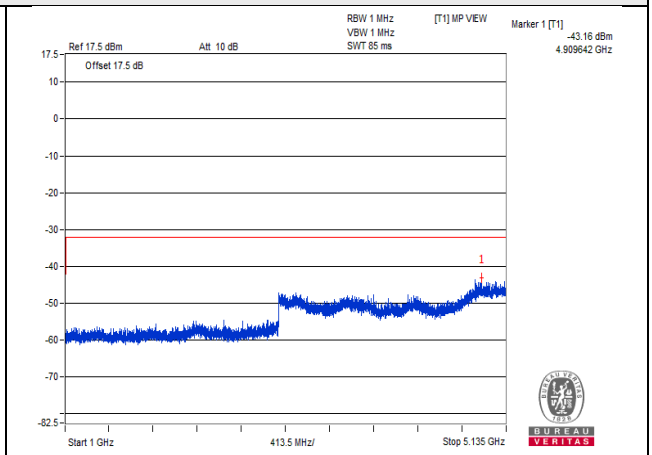
Test Channel		CH 52 (5260MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	868.565	0.009141	0.062	Pass
	1000.0 to 5135.0	4909.642	0.048306	0.625	Pass
	5135.0 to 5233.3	5233.152	0.003006	0.625	Pass(1)
	5233.3 to 5240.0	5239.908	2.483133	3.863	Pass
	5240.0 to 5249.0	5248.965	10.845733	24.822	Pass(2)
	5249.0 to 5249.8	5249.800	155.472179	157.739	Pass(3)
	5249.8 to 5250.0	5249.885	205.209971	265.832	Pass(4)
	5350.0 to 5365.0	5361.320	0.143880	0.625	Pass
	5365.0 to 26000.0	22069.032	0.050699	0.625	Pass
Test Channel		**CH 64 (5320MHz)**			
V_{normal}	30.0 to 1000.0	927.977	0.009397	0.062	Pass
	1000.0 to 5135.0	5059.536	0.038726	0.625	Pass
	5135.0 to 5233.3	5174.243	0.198609	0.625	Pass
	5233.3 to 5240.0	5239.621	0.115611	3.569	Pass
	5240.0 to 5249.0	5247.010	0.119950	16.636	Pass
	5249.0 to 5249.8	5249.396	0.112202	62.221	Pass
	5249.8 to 5250.0	5249.827	0.083368	186.183	Pass
	5350.0 to 5365.0	5350.797	0.005383	0.625	Pass(5)
	5365.0 to 26000.0	25863.293	0.047753	0.625	Pass

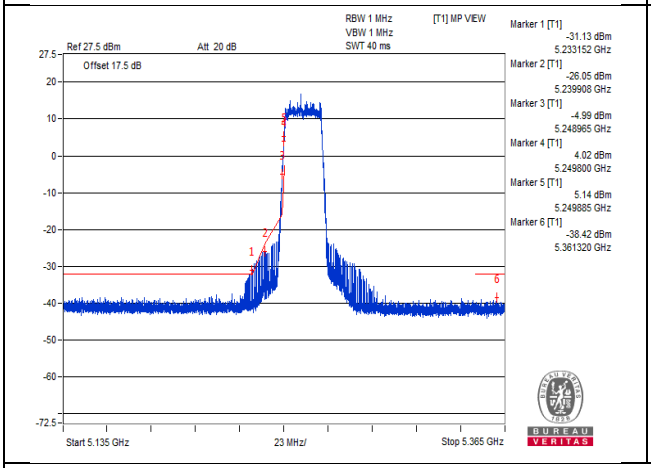
Note: 1. The spectrum plots are attached on the following pages.

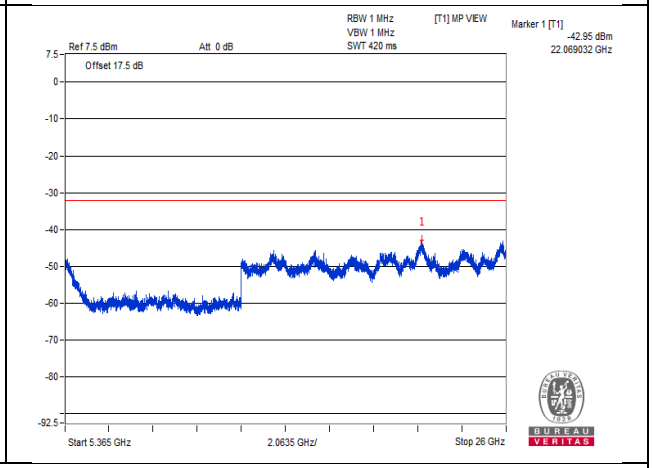
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



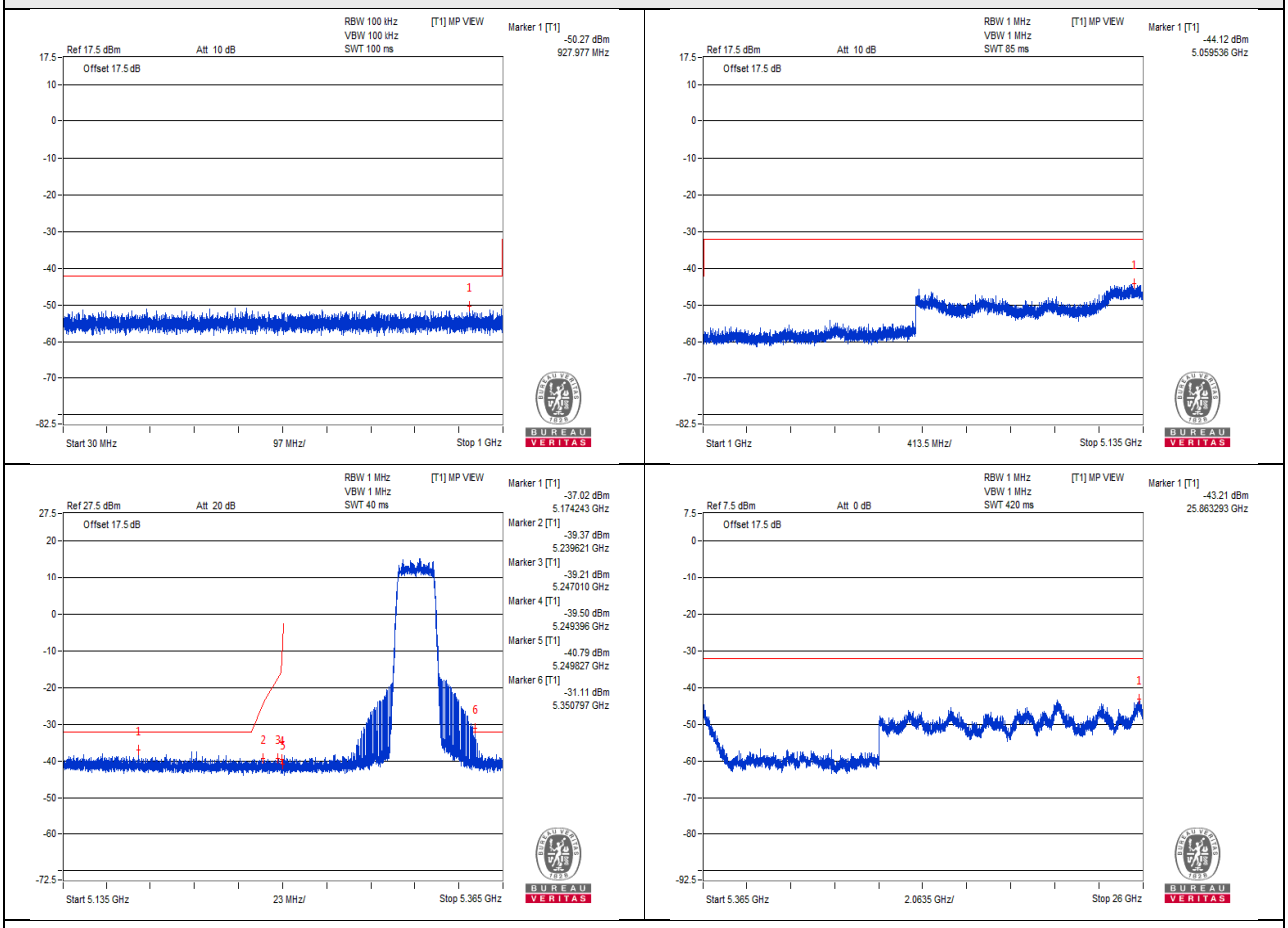






CH 52 (5260MHz)

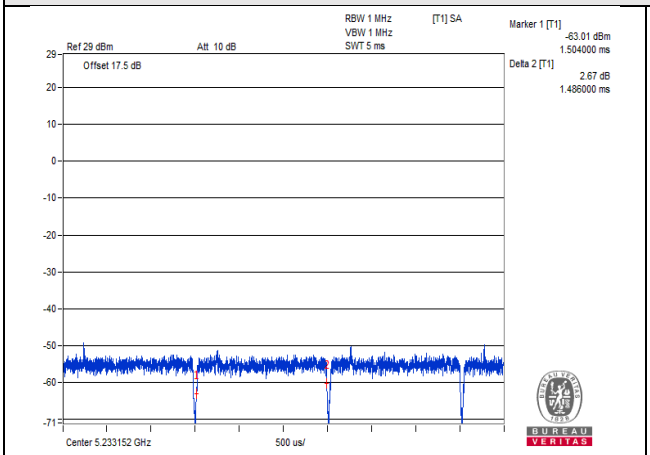
Vnormal



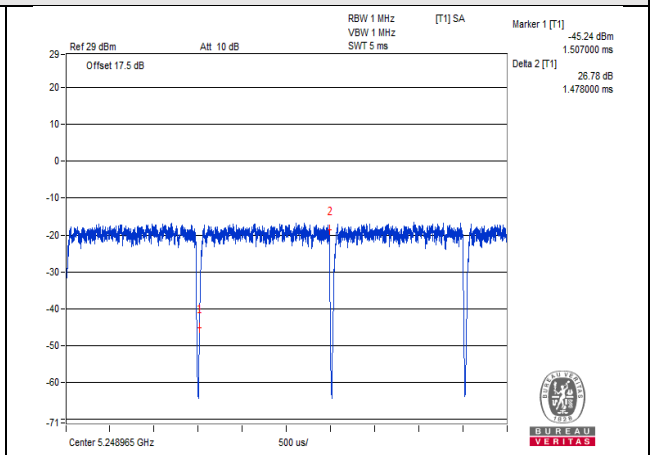
CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

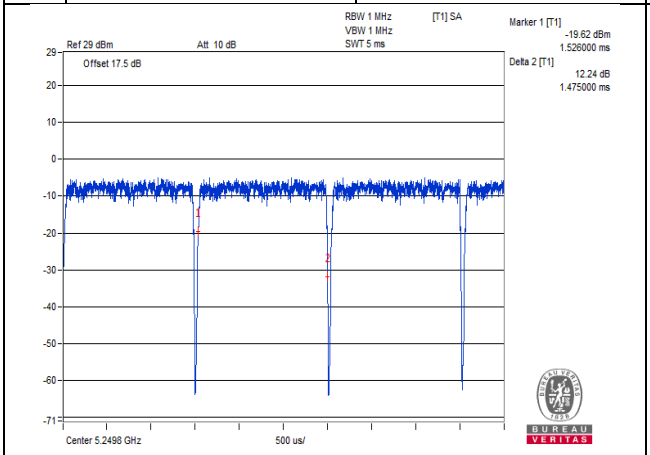
Vnormal



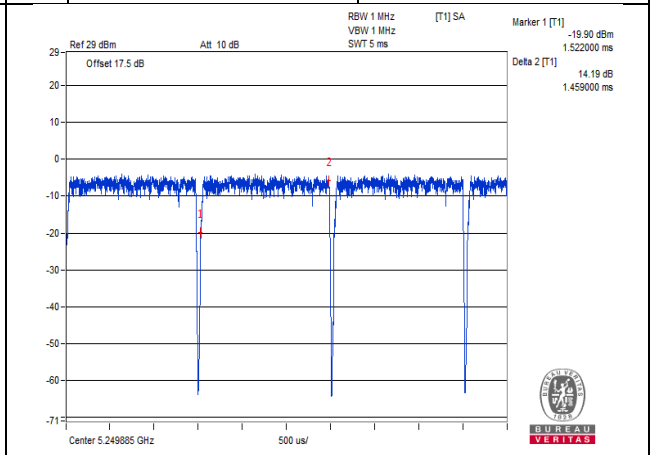
1	5233.152MHz	P = 0.003006uW



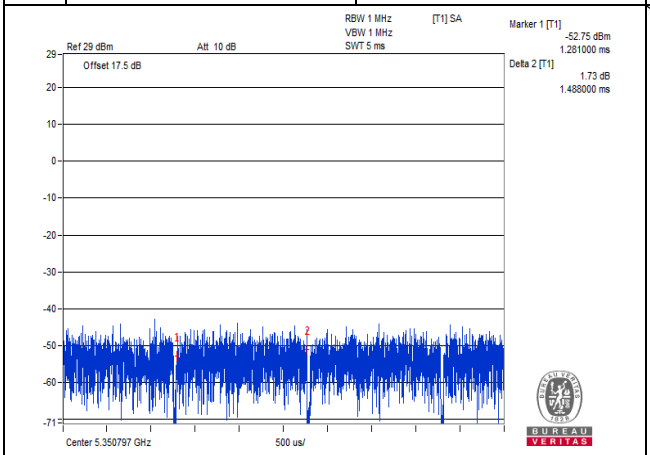
2	5248.965MHz	P = 10.845733uW



3	5249.800MHz	P = 155.472179uW



4	5249.885MHz	P = 205.209971uW



5	5350.797MHz	P = 0.005383uW

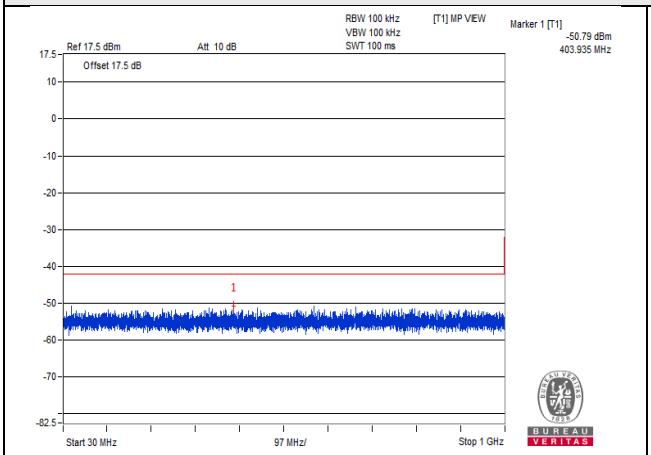
Chain 3

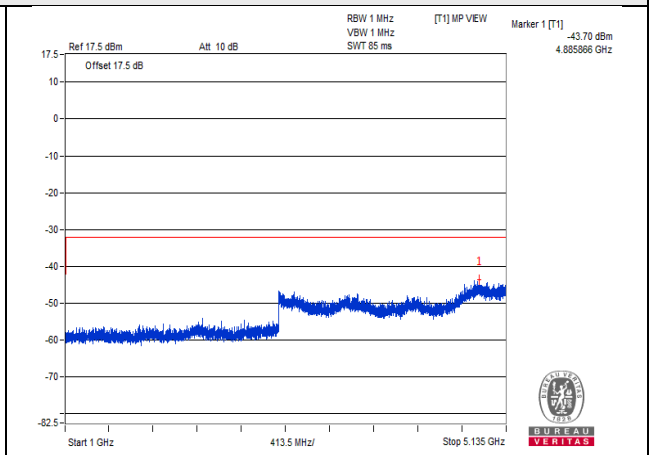
Test Channel		CH 36 (5180MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	403.935	0.008337	0.062	Pass
	1000.0 to 5135.0	4885.866	0.042658	0.625	Pass
	5135.0 to 5142.0	5137.242	0.163305	0.625	Pass
	5142.0 to 5150.0	5149.691	0.155955	3.750	Pass
	5250.0 to 5250.2	5250.172	0.104232	187.330	Pass
	5250.2 to 5251.0	5250.46	0.123595	86.684	Pass
	5251.0 to 5260.0	5251.926	0.110662	20.684	Pass
	5260.0 to 5266.7	5264.001	0.127350	1.315	Pass
	5266.7 to 5365.0	5361.923	0.118032	0.625	Pass
	5365.0 to 26000.0	25837.499	0.048978	0.625	Pass
Test Channel		**CH 48 (5240MHz)**			
V_{normal}	30.0 to 1000.0	212.238	0.008054	0.062	Pass
	1000.0 to 5135.0	5004.230	0.044875	0.625	Pass
	5135.0 to 5142.0	5141.238	0.173380	0.625	Pass
	5142.0 to 5150.0	5145.436	0.133660	3.750	Pass
	5250.0 to 5250.2	5250.000	251.840488	538.609	Pass(1)
	5250.2 to 5251.0	5250.201	117.677714	157.377	Pass(2)
	5251.0 to 5260.0	5251.006	5.946753	24.969	Pass(3)
	5260.0 to 5266.7	5260.005	0.012689	3.957	Pass(4)
	5266.7 to 5365.0	5266.703	0.002819	0.625	Pass(5)
	5365.0 to 26000.0	25834.920	0.050234	0.625	Pass

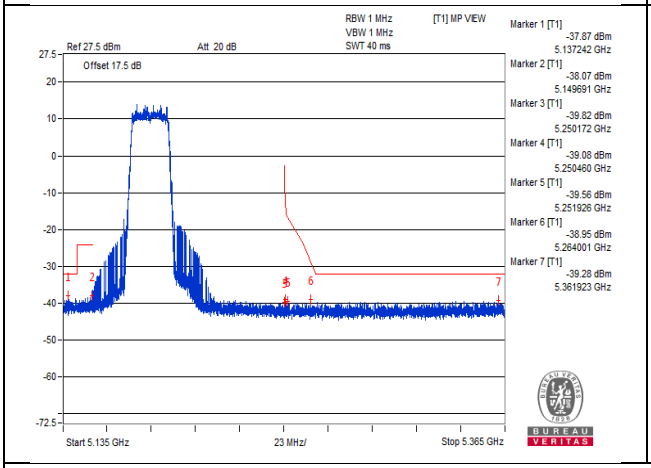
Note: 1. The spectrum plots are attached on the following pages.

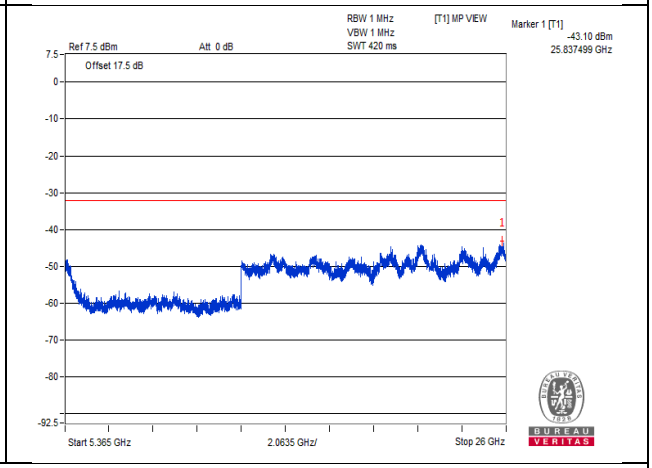
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



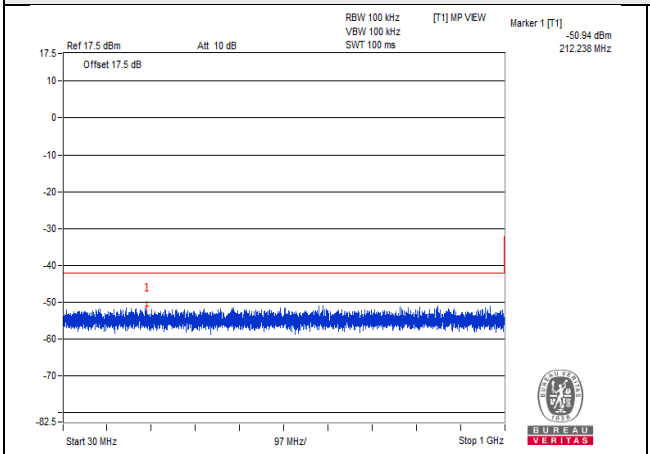


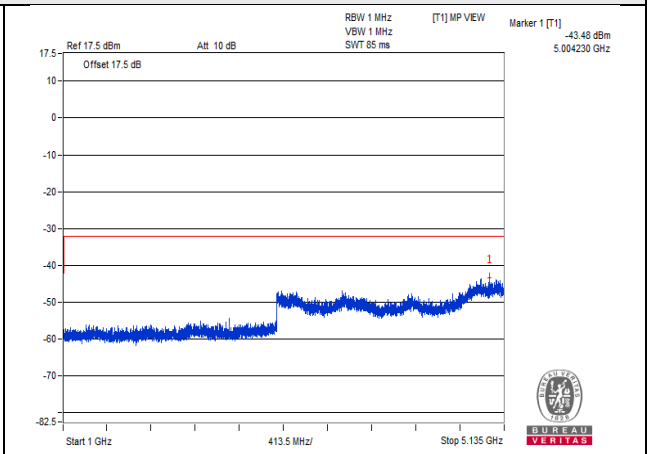


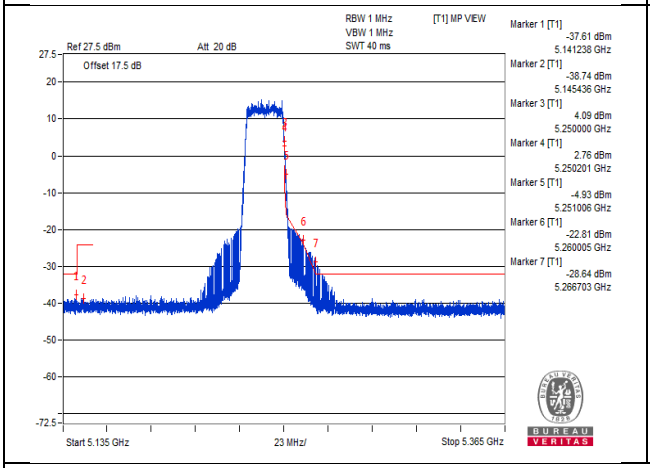


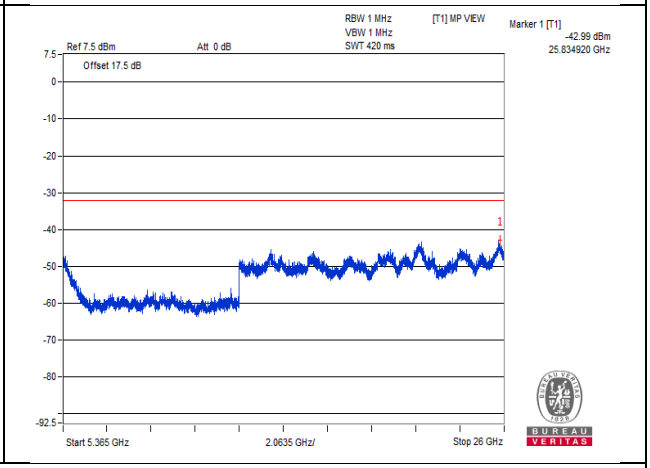
CH 36 (5180MHz)

Vnormal





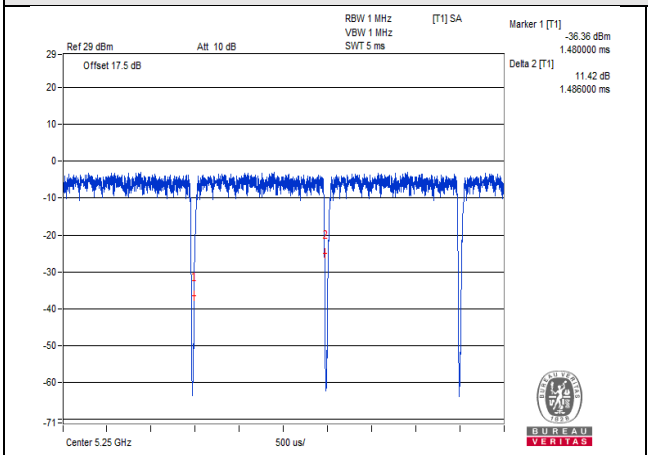




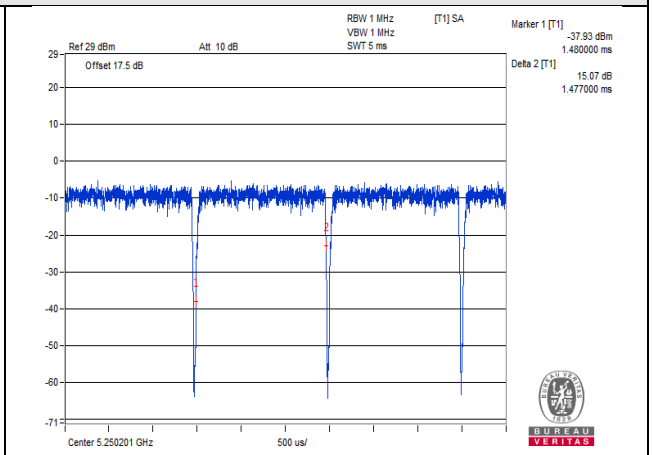
CH 48 (5240MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

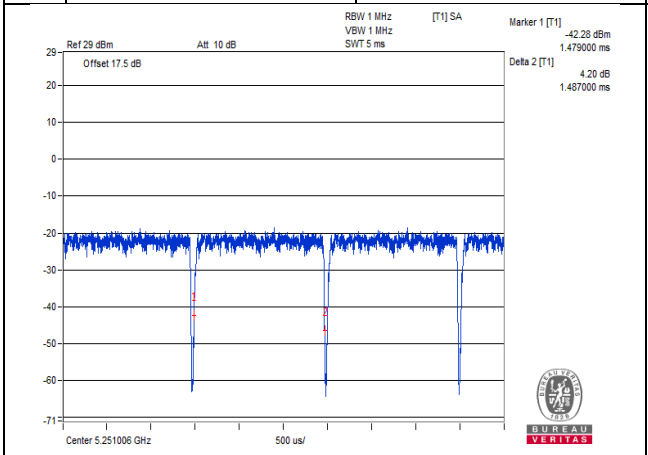
Vnormal



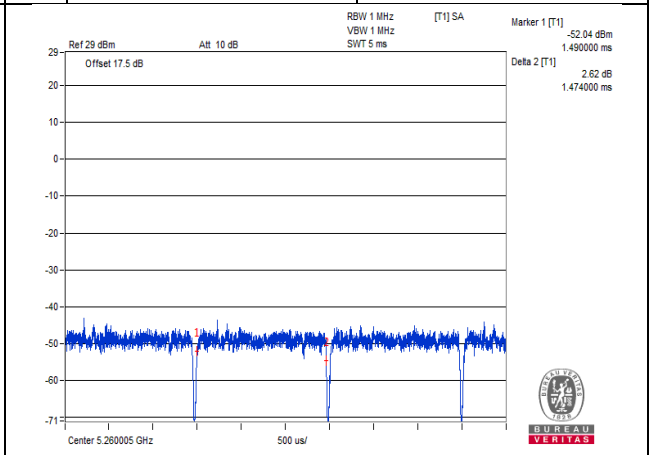
1	5250.000MHz	P = 251.840488uW



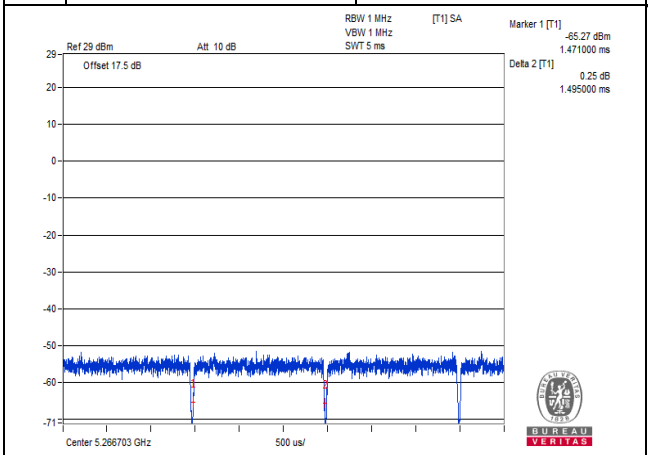
2	5250.201MHz	P = 117.677714uW



3	5251.006MHz	P = 5.946753uW



4	5260.005MHz	P = 0.012689uW



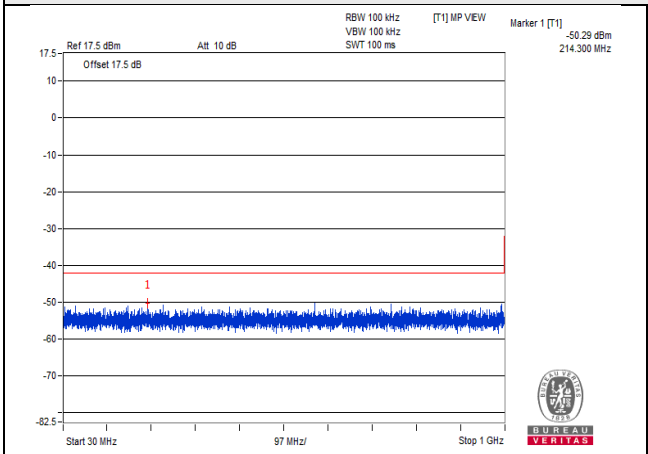
5	5266.703MHz	P = 0.002819uW

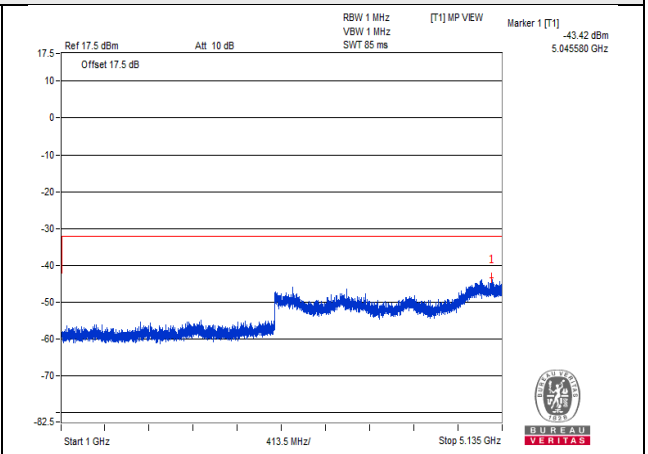
Test Channel		CH 52 (5260MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	214.300	0.009354	0.062	Pass
	1000.0 to 5135.0	5045.580	0.045499	0.625	Pass
	5135.0 to 5233.3	5232.663	0.002853	0.625	Pass(1)
	5233.3 to 5240.0	5239.305	2.648500	3.271	Pass
	5240.0 to 5249.0	5249.000	12.118748	25.000	Pass(2)
	5249.0 to 5249.8	5249.770	143.363450	147.211	Pass(3)
	5249.8 to 5250.0	5249.856	186.953211	222.471	Pass(4)
	5350.0 to 5365.0	5356.547	0.133660	0.625	Pass
	5365.0 to 26000.0	25842.658	0.058210	0.625	Pass
Test Channel		**CH 64 (5320MHz)**			
V_{normal}	30.0 to 1000.0	170.65	0.011117	0.062	Pass
	1000.0 to 5135.0	4917.395	0.033806	0.625	Pass
	5135.0 to 5233.3	5173.093	0.138676	0.625	Pass
	5233.3 to 5240.0	5236.257	0.118032	1.412	Pass
	5240.0 to 5249.0	5245.888	0.109901	13.223	Pass
	5249.0 to 5249.8	5249.568	0.095060	92.457	Pass
	5249.8 to 5250.0	5249.885	0.098628	265.832	Pass
	5350.0 to 5365.0	5350.596	0.389942	0.625	Pass
	5365.0 to 26000.0	22069.032	0.053951	0.625	Pass

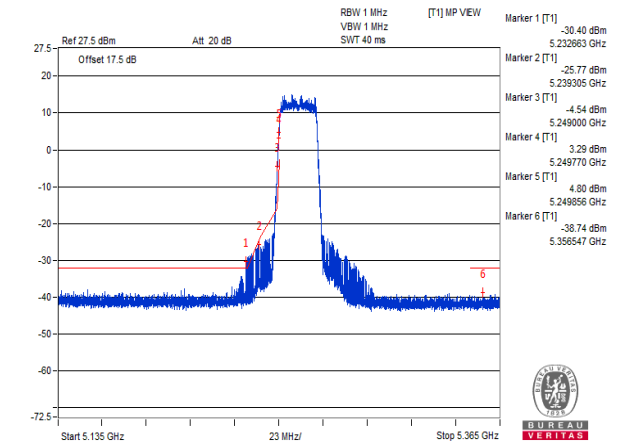
Note: 1. The spectrum plots are attached on the following pages.

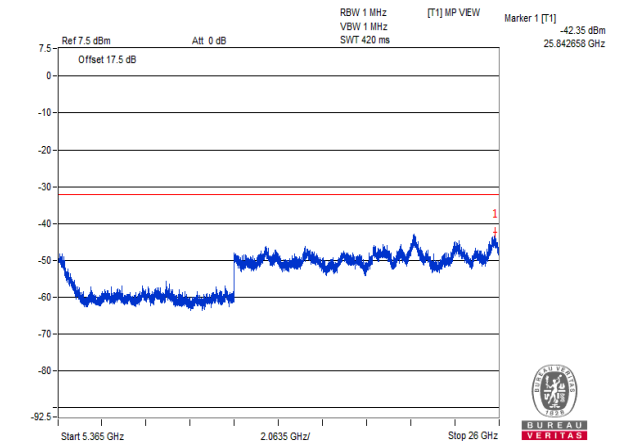
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



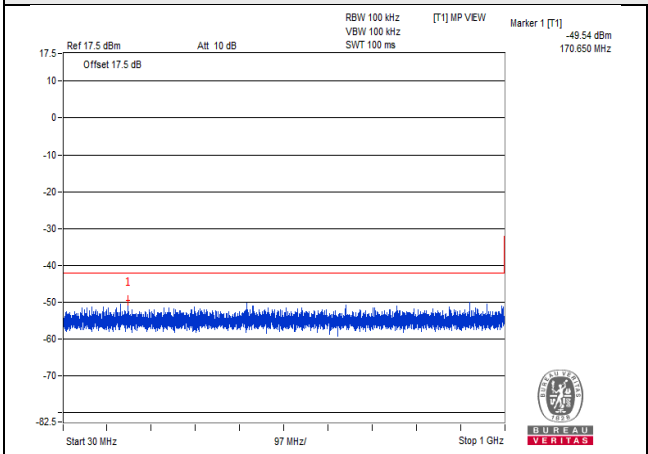


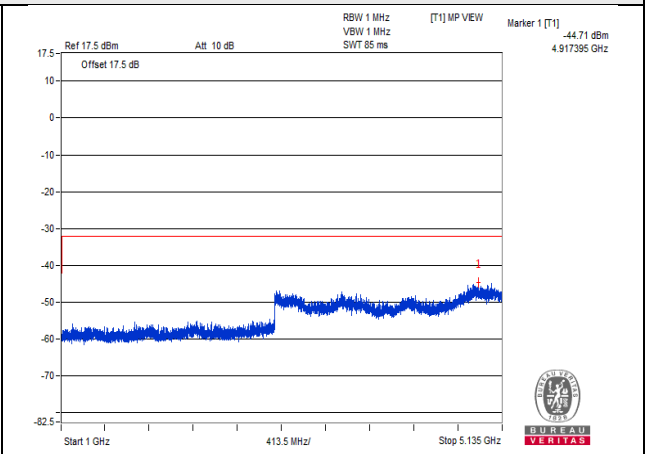


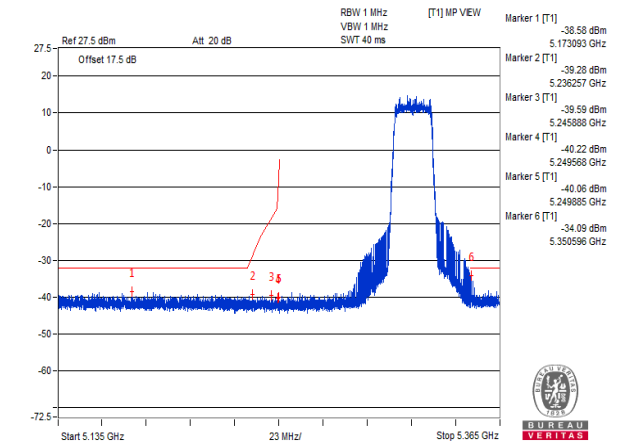


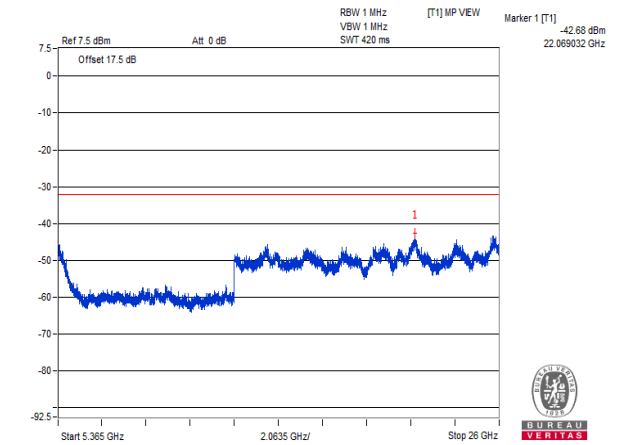
CH 52 (5260MHz)

Vnormal





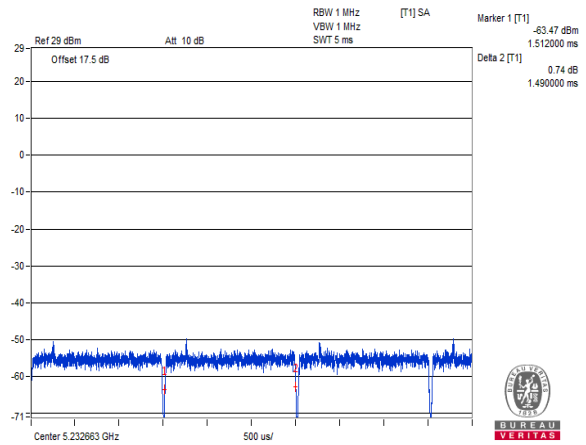




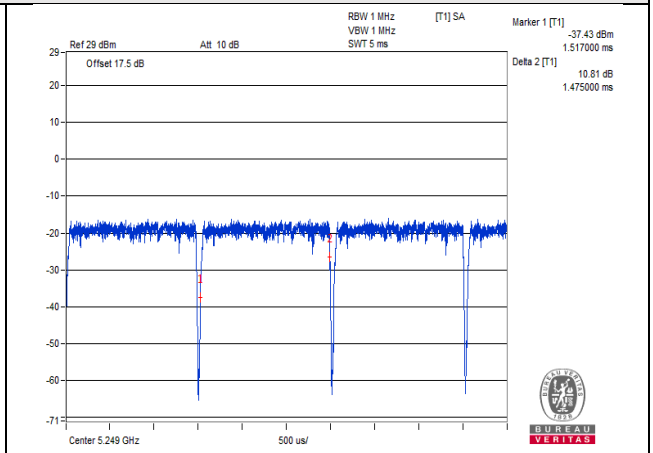
CH 64 (5320MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

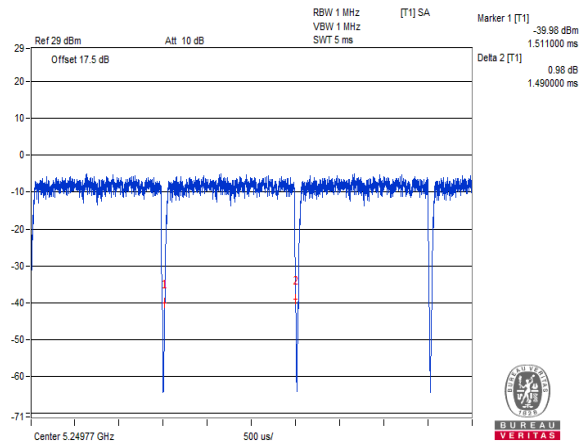
Vnormal



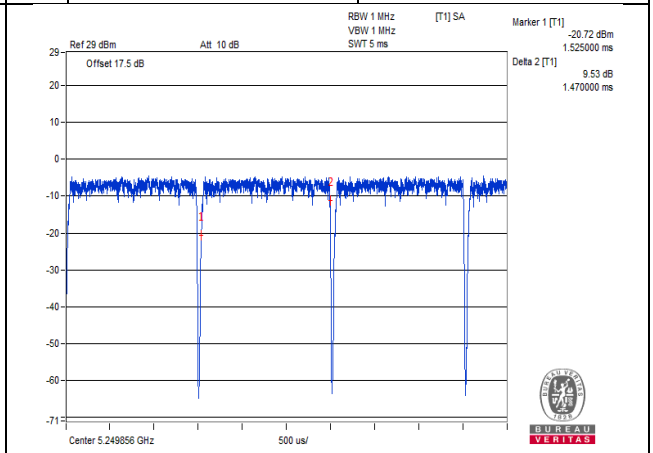
1	5232.663MHz	P = 0.002853uW



2	5249.000MHz	P = 12.118748uW



3	5249.770MHz	P = 143.36345uW



4	5249.856MHz	P = 186.953211uW

[Worst result] x [Number of antenna ports]

Test Channel		CH 36 (5180MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.037504	0.248	Pass
	1000.0 to 5135.0	0.201864	2.5	Pass
	5135.0 to 5142.0	0.756936	2.5	Pass
	5142.0 to 5150.0	1.663644	15	Pass
	5250.0 to 5250.2	0.435572	1063.328	Pass
	5250.2 to 5251.0	0.494380	346.736	Pass
	5251.0 to 5260.0	0.533408	19.112	Pass
	5260.0 to 5266.7	0.509400	5.26	Pass
	5266.7 to 5365.0	0.616680	2.5	Pass
	5365.0 to 26000.0	0.230176	2.5	Pass
Test Channel		**CH 48 (5240MHz)**		
V_{normal}	30.0 to 1000.0	0.043656	0.248	Pass
	1000.0 to 5135.0	0.179500	2.5	Pass
	5135.0 to 5142.0	0.698328	2.5	Pass
	5142.0 to 5150.0	0.586220	15	Pass
	5250.0 to 5250.2	1167.204268	2154.436	Pass
	5250.2 to 5251.0	470.710856	629.508	Pass
	5251.0 to 5260.0	24.504180	100	Pass
	5260.0 to 5266.7	0.050756	15.828	Pass
	5266.7 to 5365.0	0.011400	2.5	Pass
	5365.0 to 26000.0	0.219816	2.5	Pass

Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

Test Channel		CH 52 (5260MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.041980	0.248	Pass
	1000.0 to 5135.0	0.193224	2.5	Pass
	5135.0 to 5233.3	0.012312	2.5	Pass
	5233.3 to 5240.0	11.016916	11.992	Pass
	5240.0 to 5249.0	48.489104	100	Pass
	5249.0 to 5249.8	621.888716	630.956	Pass
	5249.8 to 5250.0	899.202932	1262.796	Pass
	5350.0 to 5365.0	0.575520	2.5	Pass
	5365.0 to 26000.0	0.232840	2.5	Pass
Test Channel		**CH 64 (5320MHz)**		
V_{normal}	30.0 to 1000.0	0.044468	0.248	Pass
	1000.0 to 5135.0	0.160348	2.5	Pass
	5135.0 to 5233.3	0.794436	2.5	Pass
	5233.3 to 5240.0	0.524880	6.26	Pass
	5240.0 to 5249.0	0.479800	66.544	Pass
	5249.0 to 5249.8	0.448808	248.884	Pass
	5249.8 to 5250.0	0.406500	889.884	Pass
	5350.0 to 5365.0	1.786736	2.5	Pass
	5365.0 to 26000.0	0.242136	2.5	Pass

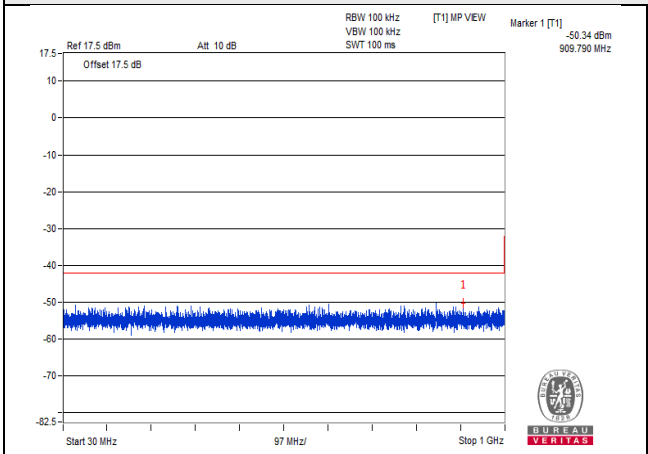
Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

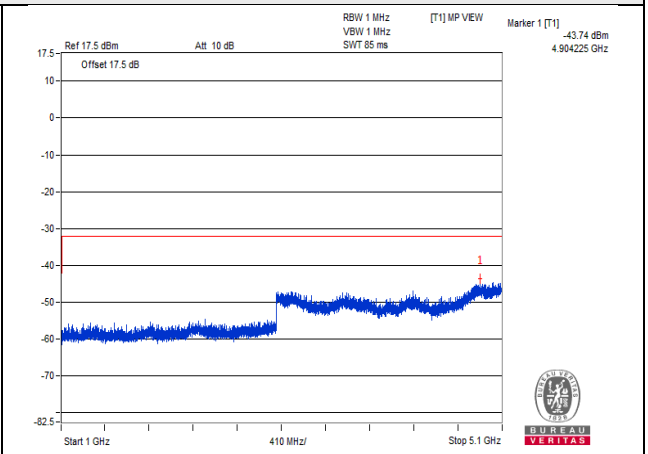
W52 & W53 Bands:
802.11ax (HE40)
Chain 0

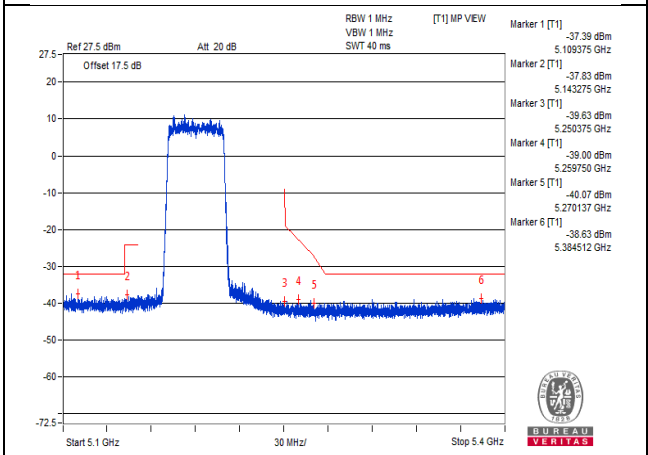
Test Channel		CH 38 (5190MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	909.790	0.009247	0.062	Pass
	1000.0 to 5100.0	4904.225	0.042267	0.625	Pass
	5100.0 to 5141.6	5109.375	0.182390	0.625	Pass
	5141.6 to 5150.0	5143.275	0.164816	3.750	Pass
	5250.0 to 5251.0	5250.375	0.108893	52.712	Pass
	5251.0 to 5270.0	5259.750	0.125893	5.352	Pass
	5270.0 to 5278.4	5270.137	0.098401	1.944	Pass
	5278.4 to 5400.0	5384.512	0.137088	0.625	Pass
	5400.0 to 26000.0	22091.150	0.047643	0.625	Pass
Test Channel		**CH 46 (5230MHz)**			
V_{normal}	30.0 to 1000.0	846.982	0.009204	0.062	Pass
	1000.0 to 5100.0	4911.400	0.033266	0.625	Pass
	5100.0 to 5141.6	5123.175	0.153815	0.625	Pass
	5141.6 to 5150.0	5147.887	0.129420	3.750	Pass
	5250.0 to 5251.0	5250.150	85.113804	88.493	Pass
	5251.0 to 5270.0	5251.050	10.914403	12.440	Pass
	5270.0 to 5278.4	5270.175	0.195884	1.934	Pass
	5278.4 to 5400.0	5282.400	0.189234	0.625	Pass
	5400.0 to 26000.0	25822.325	0.049774	0.625	Pass

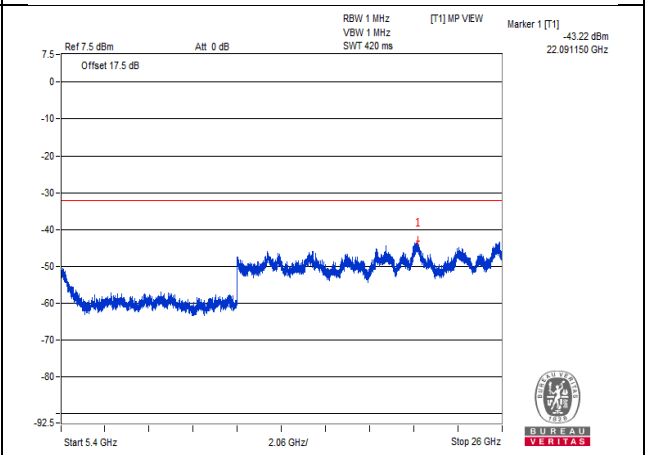
Note: The spectrum plots are attached on the following pages.

Vnormal



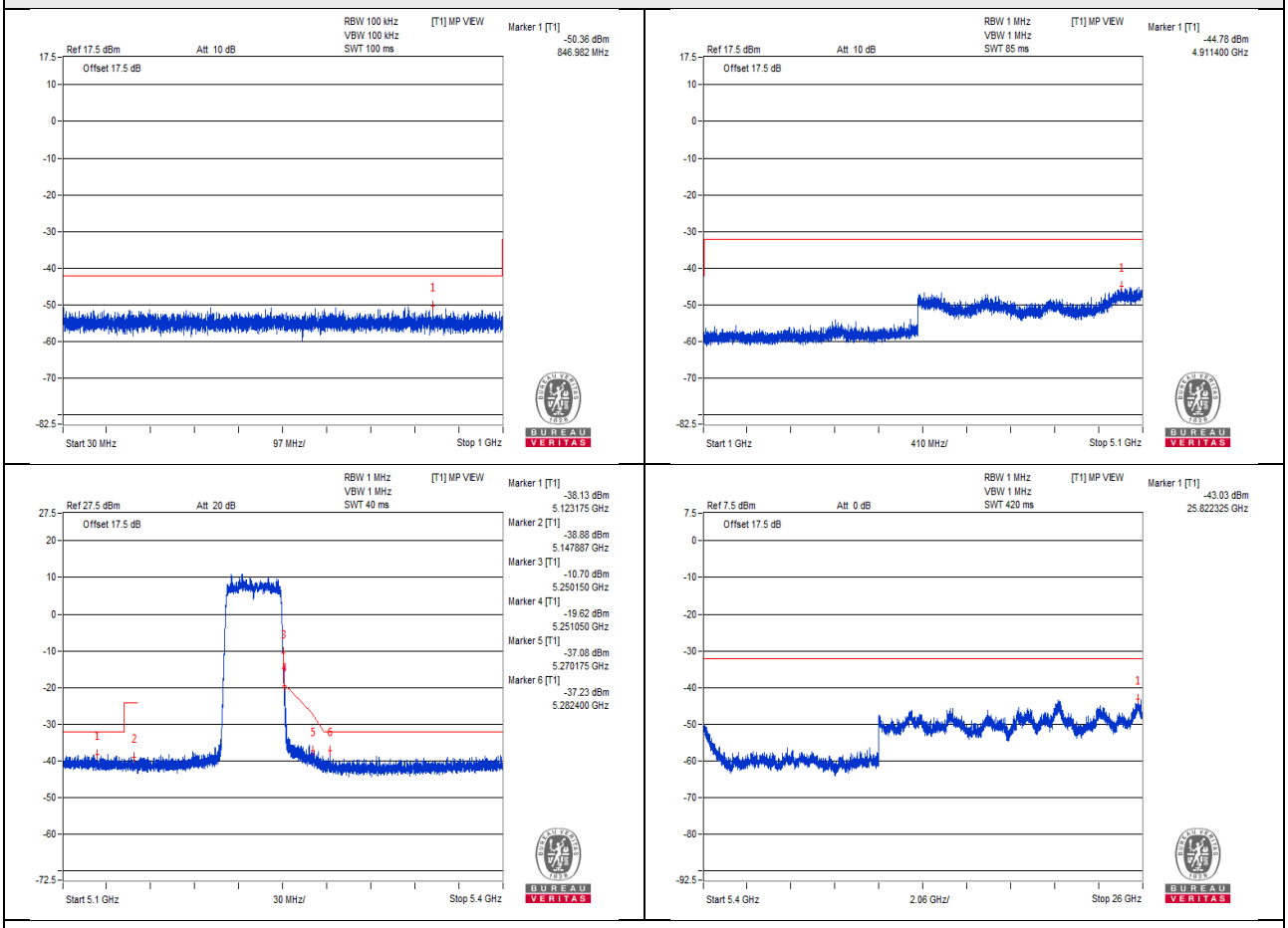






CH 38 (5190MHz)

Vnormal



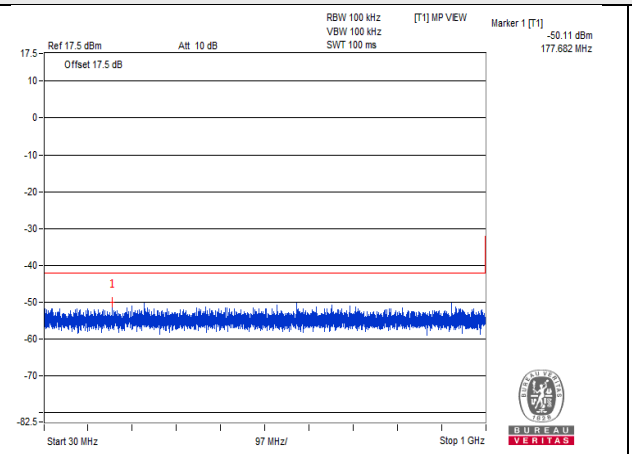
CH 46 (5230MHz)

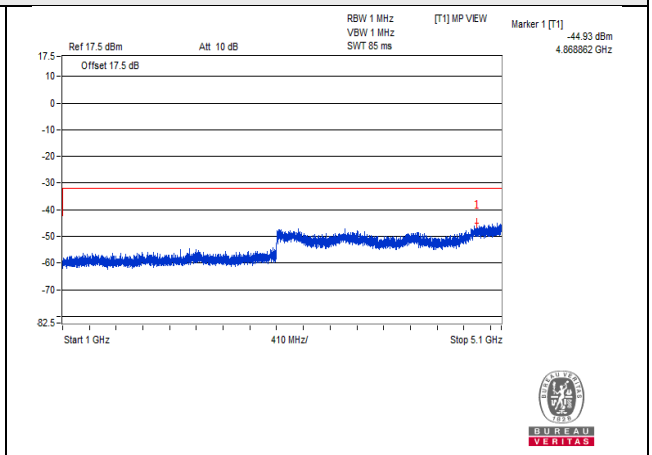
Test Channel		CH 54 (5270MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	177.682	0.009750	0.062	Pass
	1000.0 to 5100.0	4868.862	0.032137	0.625	Pass
	5100.0 to 5221.6	5213.137	0.161808	0.625	Pass
	5221.6 to 5230.0	5228.025	0.158125	1.510	Pass
	5230.0 to 5249.0	5249.000	6.982324	12.500	Pass
	5249.0 to 5250.0	5249.925	30.013246	105.174	Pass(1)
	5350.0 to 5358.4	5353.575	0.132130	3.750	Pass
	5358.4 to 5400.0	5398.425	0.165959	0.625	Pass
	5400.0 to 26000.0	25837.775	0.057544	0.625	Pass
Test Channel		**CH 62 (5310MHz)**			
V_{normal}	30.0 to 1000.0	667.411	0.008851	0.062	Pass
	1000.0 to 5100.0	4956.500	0.036728	0.625	Pass
	5100.0 to 5221.6	5111.325	0.180717	0.625	Pass
	5221.6 to 5230.0	5222.925	0.115611	0.750	Pass
	5230.0 to 5249.0	5240.100	0.147911	5.274	Pass
	5249.0 to 5250.0	5249.062	0.093972	14.418	Pass
	5350.0 to 5358.4	5351.737	0.233346	3.750	Pass
	5358.4 to 5400.0	5393.812	0.173780	0.625	Pass
	5400.0 to 26000.0	25824.900	0.047643	0.625	Pass

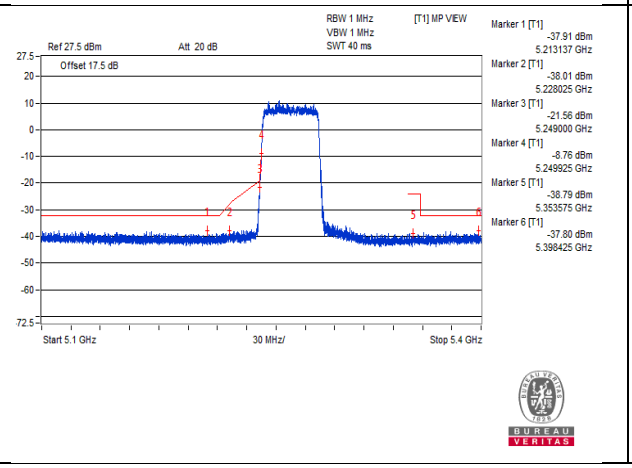
Note: 1. The spectrum plots are attached on the following pages.

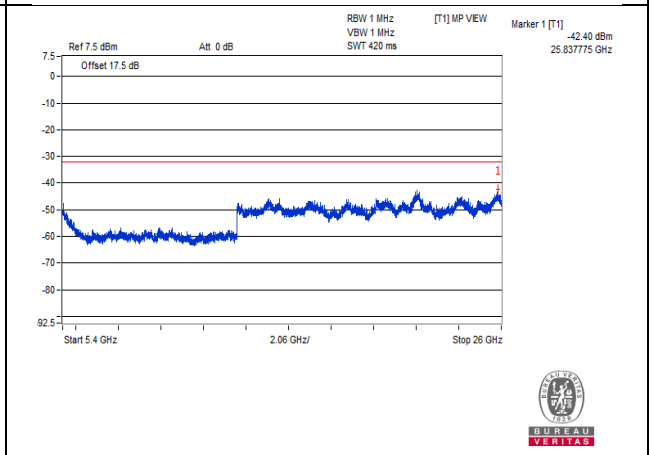
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



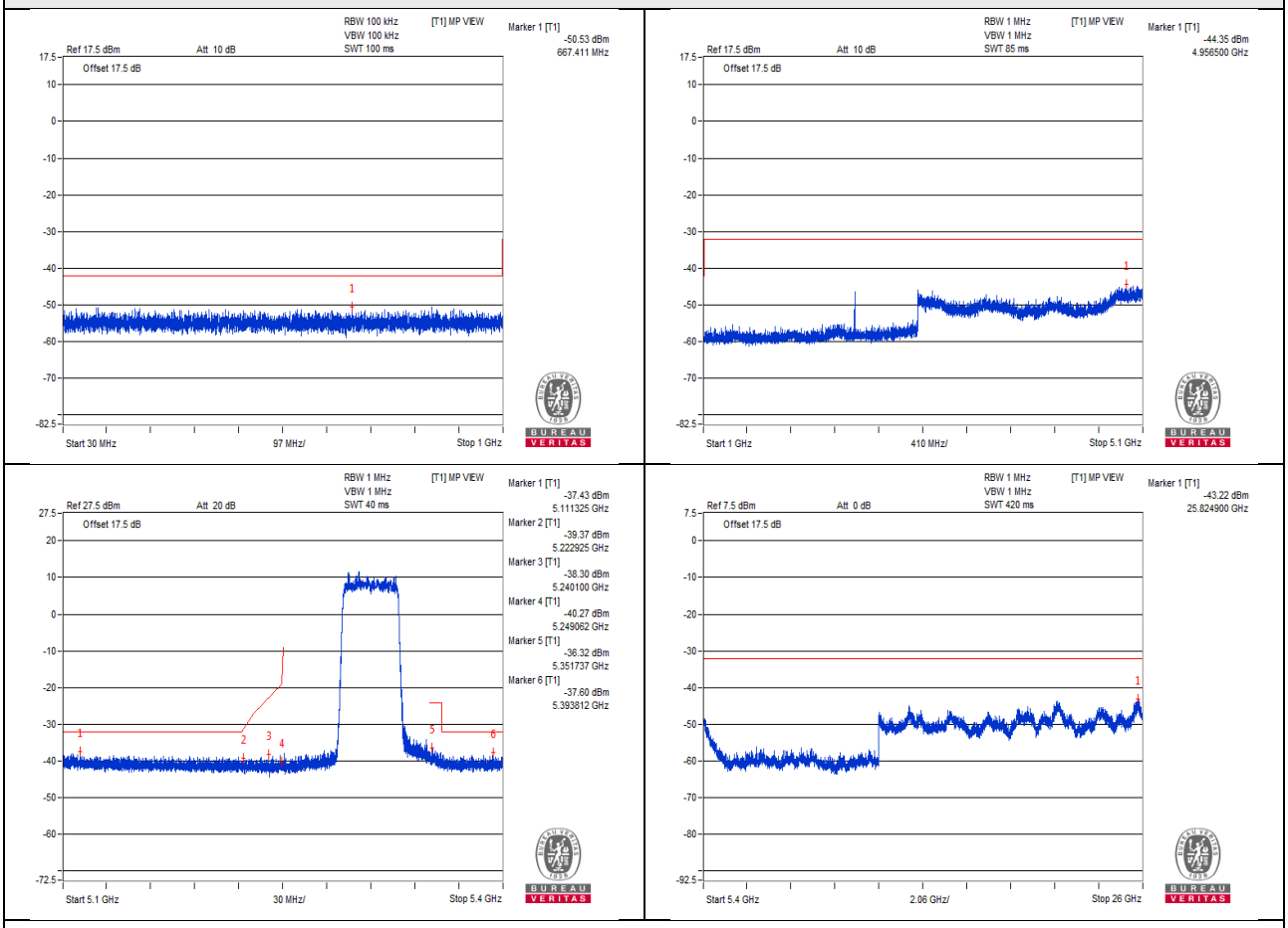




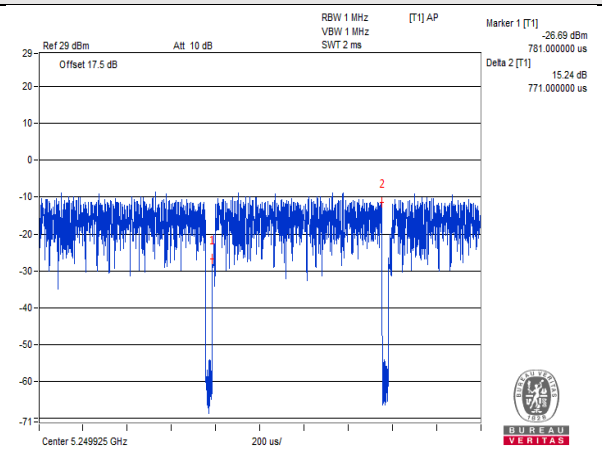


CH 54 (5270MHz)

Vnormal



CH 62 (5310MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5249.925MHz	P = 30.013246uW			

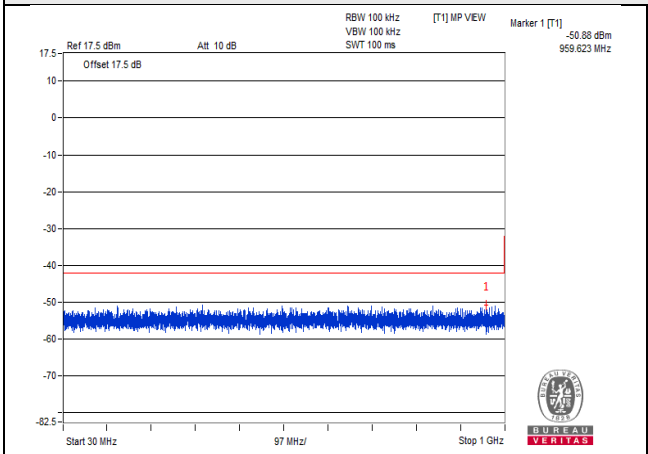
Chain 1

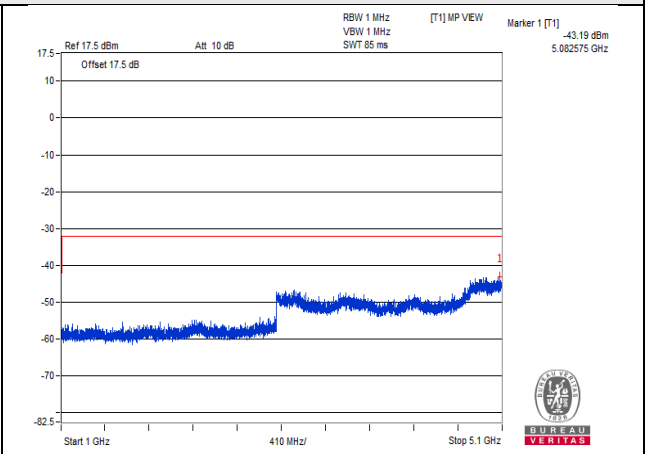
Test Channel		CH 38 (5190MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	959.623	0.008166	0.062	Pass
	1000.0 to 5100.0	5082.575	0.047973	0.625	Pass
	5100.0 to 5141.6	5141.062	0.200447	0.625	Pass
	5141.6 to 5150.0	5148.300	0.208449	3.750	Pass
	5250.0 to 5251.0	5250.412	0.109648	48.407	Pass
	5251.0 to 5270.0	5267.212	0.145211	2.596	Pass
	5270.0 to 5278.4	5274.300	0.113501	1.098	Pass
	5278.4 to 5400.0	5348.287	0.172187	0.625	Pass
	5400.0 to 26000.0	22042.225	0.048978	0.625	Pass
Test Channel		**CH 46 (5230MHz)**			
V_{normal}	30.0 to 1000.0	898.271	0.008395	0.062	Pass
	1000.0 to 5100.0	5049.775	0.053827	0.625	Pass
	5100.0 to 5141.6	5111.287	0.177011	0.625	Pass
	5141.6 to 5150.0	5145.825	0.136458	3.750	Pass
	5250.0 to 5251.0	5250.000	25.165670	125.000	Pass(1)
	5251.0 to 5270.0	5251.012	11.271975	12.485	Pass
	5270.0 to 5278.4	5270.587	0.285102	1.828	Pass
	5278.4 to 5400.0	5280.037	0.199986	0.625	Pass
	5400.0 to 26000.0	22070.550	0.059566	0.625	Pass

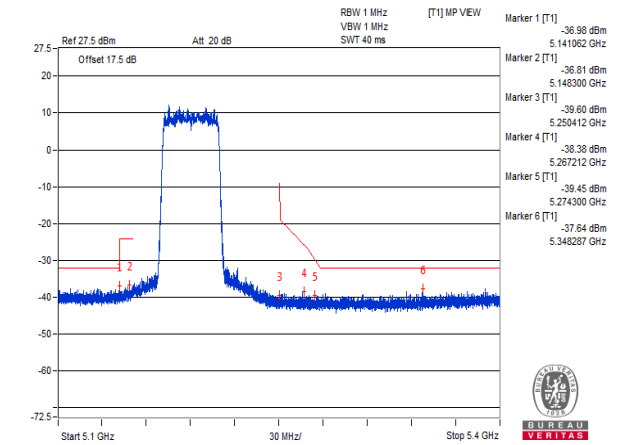
Note: 1. The spectrum plots are attached on the following pages.

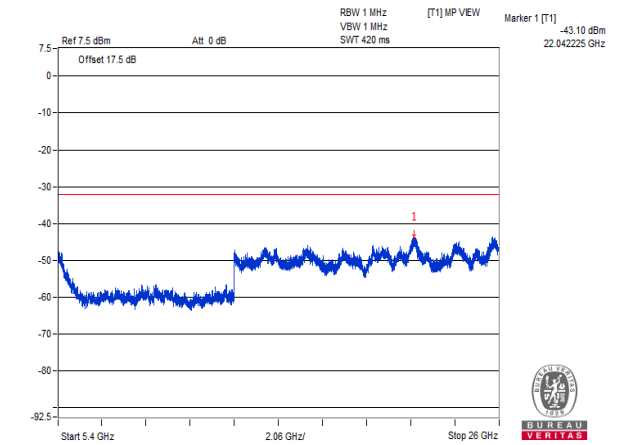
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



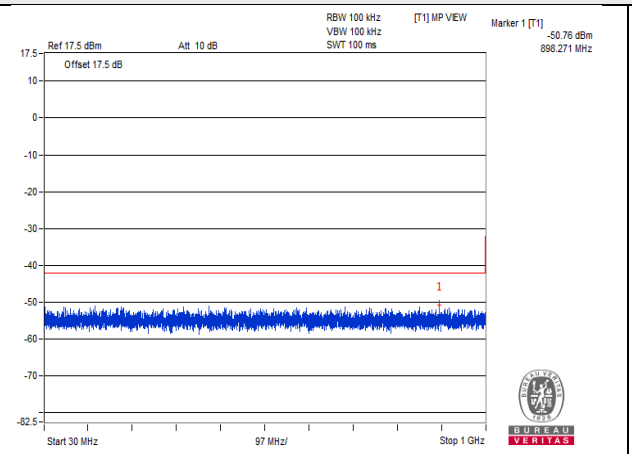


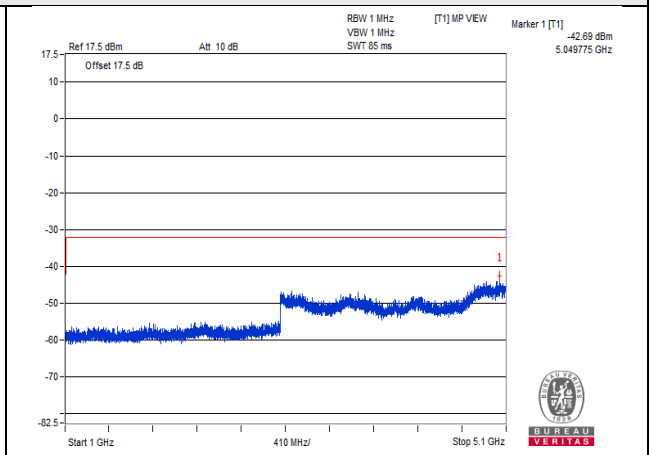


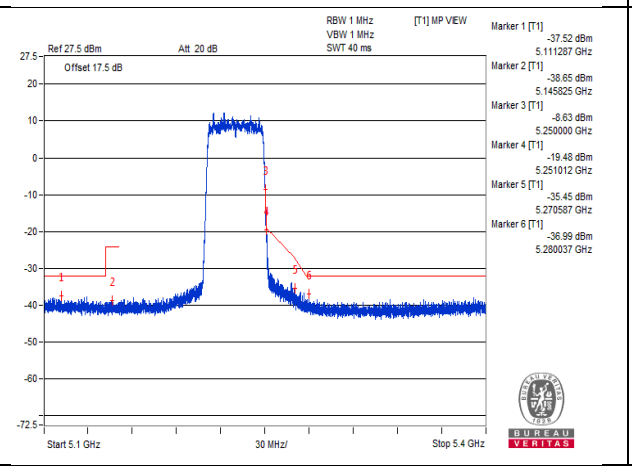


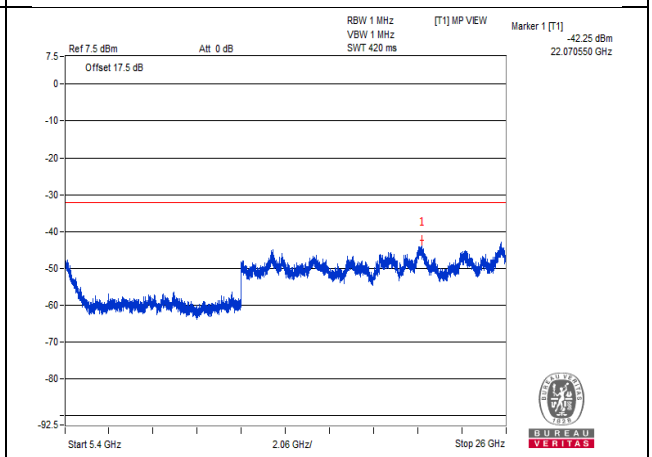
CH 38 (5190MHz)

Vnormal

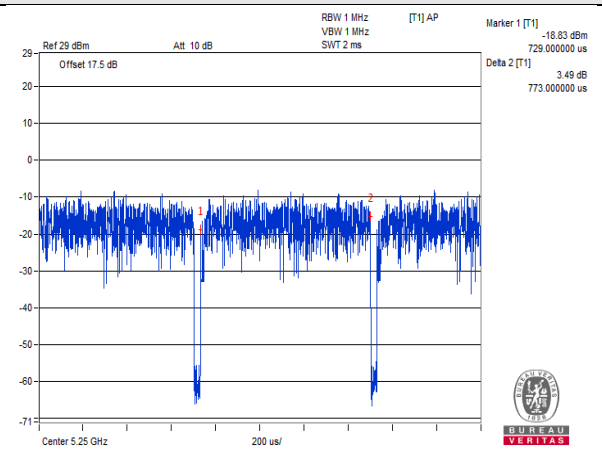








CH 46 (5230MHz)

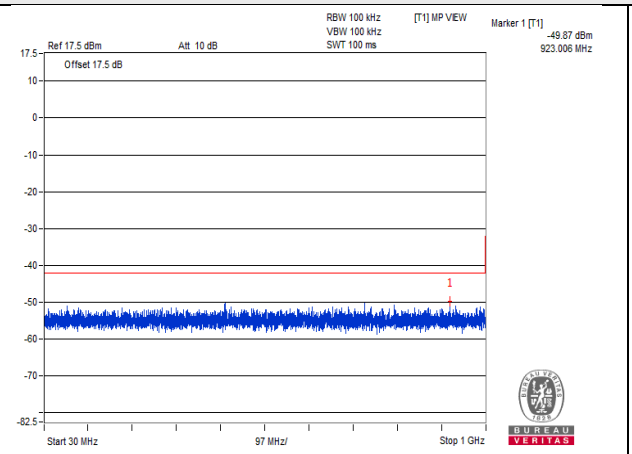
Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the “dBm” value into “uW” value. 3. It adds the all values and calculates a grand total. Define a grand total as “P”. 4. It divides “P” by sample data point (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5250.000MHz	P = 25.16567uW			

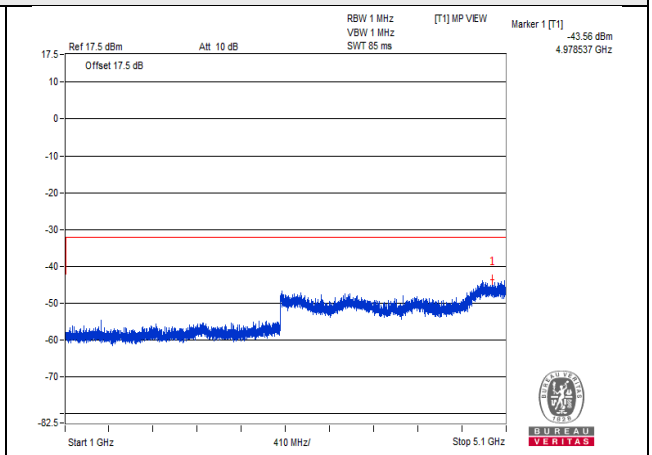
Test Channel		CH 54 (5270MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	923.006	0.010304	0.062	Pass
	1000.0 to 5100.0	4978.537	0.044055	0.625	Pass
	5100.0 to 5221.6	5214.562	0.175792	0.625	Pass
	5221.6 to 5230.0	5227.612	0.212814	1.427	Pass
	5230.0 to 5249.0	5248.987	2.251707	12.484	Pass(1)
	5249.0 to 5250.0	5250.000	46.437091	125.000	Pass(2)
	5350.0 to 5358.4	5351.962	0.134896	3.750	Pass
	5358.4 to 5400.0	5393.625	0.177828	0.625	Pass
	5400.0 to 26000.0	22129.775	0.044771	0.625	Pass
Test Channel		**CH 62 (5310MHz)**			
V_{normal}	30.0 to 1000.0	779.931	0.010280	0.062	Pass
	1000.0 to 5100.0	4969.312	0.045394	0.625	Pass
	5100.0 to 5221.6	5113.725	0.162930	0.625	Pass
	5221.6 to 5230.0	5227.800	0.151705	1.464	Pass
	5230.0 to 5249.0	5234.925	0.136144	3.194	Pass
	5249.0 to 5250.0	5249.962	0.111429	114.528	Pass
	5350.0 to 5358.4	5350.650	0.345144	3.750	Pass
	5358.4 to 5400.0	5368.725	0.190546	0.625	Pass
	5400.0 to 26000.0	25750.225	0.053088	0.625	Pass

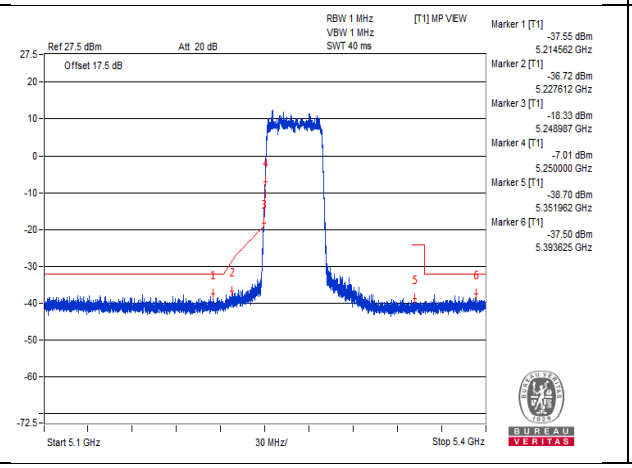
Note: 1. The spectrum plots are attached on the following pages.

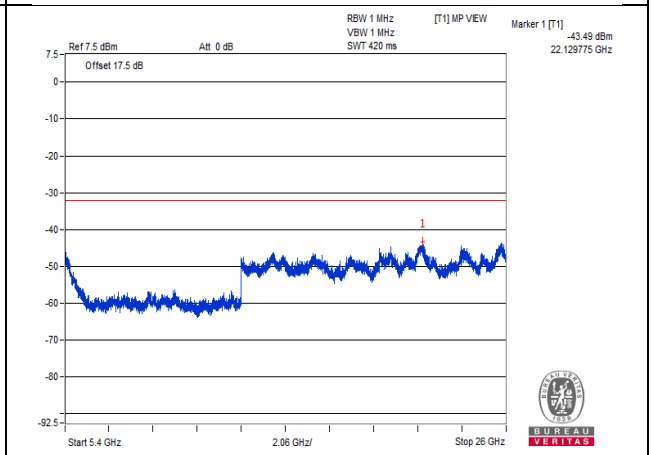
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



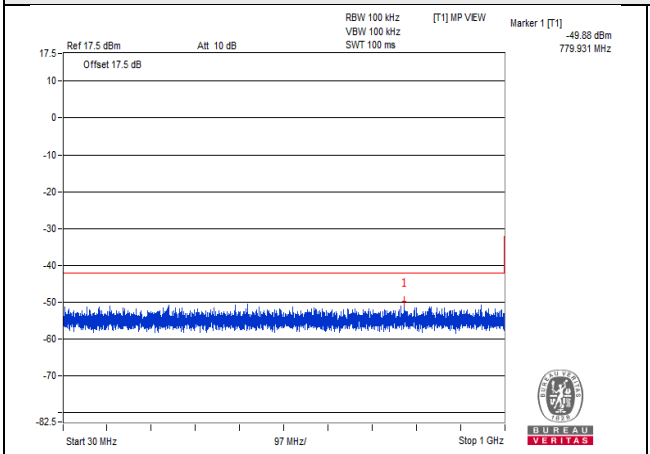


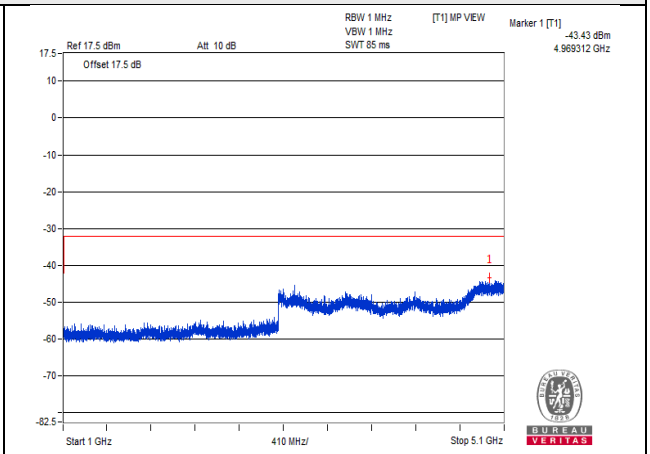


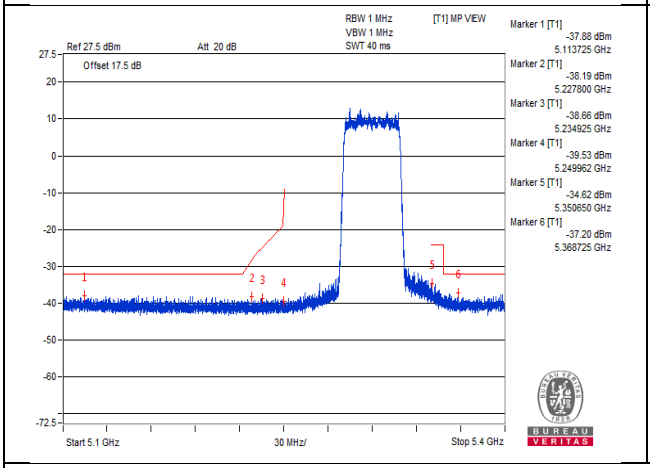


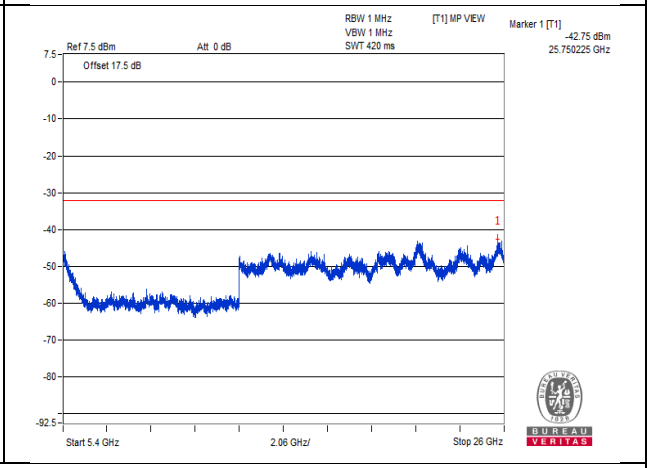
CH 54 (5270MHz)

Vnormal





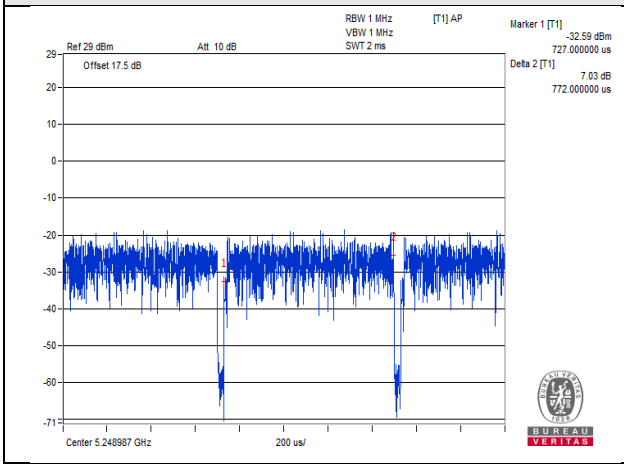


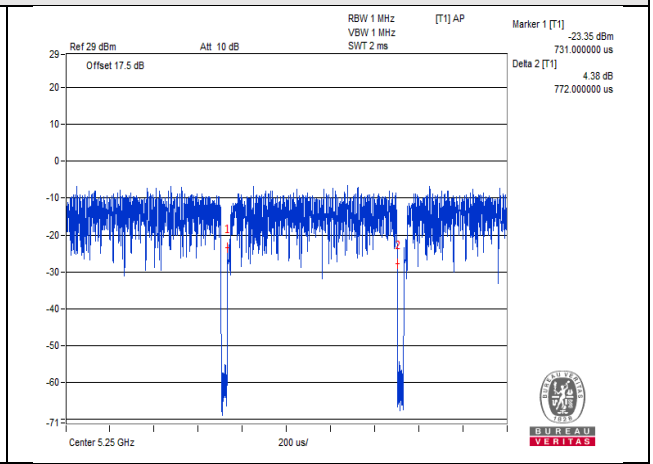


CH 62 (5310MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal





1	5248.987MHz	P = 2.251707uW	2	5250.000MHz	P = 46.437091uW

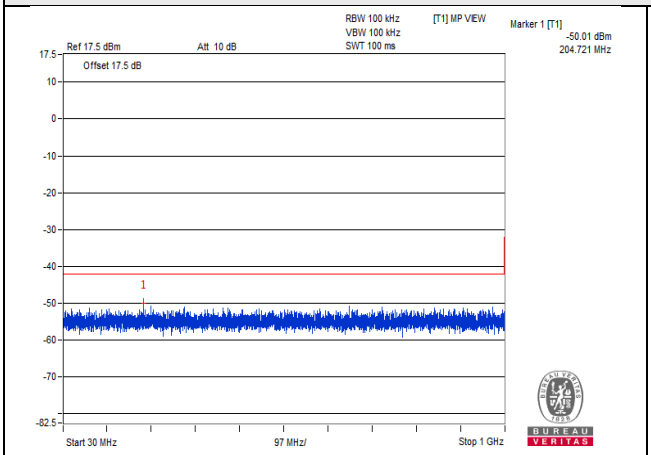
Chain 2

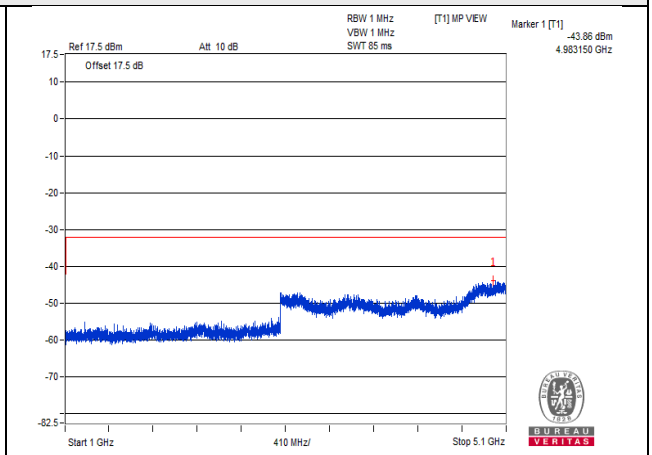
Test Channel		CH 38 (5190MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	204.721	0.009977	0.062	Pass
	1000.0 to 5100.0	4983.150	0.041115	0.625	Pass
	5100.0 to 5141.6	5107.650	0.164437	0.625	Pass
	5141.6 to 5150.0	5147.625	0.169824	3.750	Pass
	5250.0 to 5251.0	5250.225	0.111173	74.458	Pass
	5251.0 to 5270.0	5267.100	0.119399	2.624	Pass
	5270.0 to 5278.4	5271.937	0.112980	1.518	Pass
	5278.4 to 5400.0	5397.825	0.144877	0.625	Pass
	5400.0 to 26000.0	22037.075	0.054325	0.625	Pass
Test Channel		**CH 46 (5230MHz)**			
V_{normal}	30.0 to 1000.0	814.487	0.008054	0.062	Pass
	1000.0 to 5100.0	5096.925	0.038194	0.625	Pass
	5100.0 to 5141.6	5105.812	0.178649	0.625	Pass
	5141.6 to 5150.0	5143.050	0.143549	3.750	Pass
	5250.0 to 5251.0	5250.000	23.462258	125.000	Pass(1)
	5251.0 to 5270.0	5251.087	5.714786	12.395	Pass
	5270.0 to 5278.4	5270.587	0.171396	1.828	Pass
	5278.4 to 5400.0	5372.812	0.150661	0.625	Pass
	5400.0 to 26000.0	25796.575	0.052360	0.625	Pass

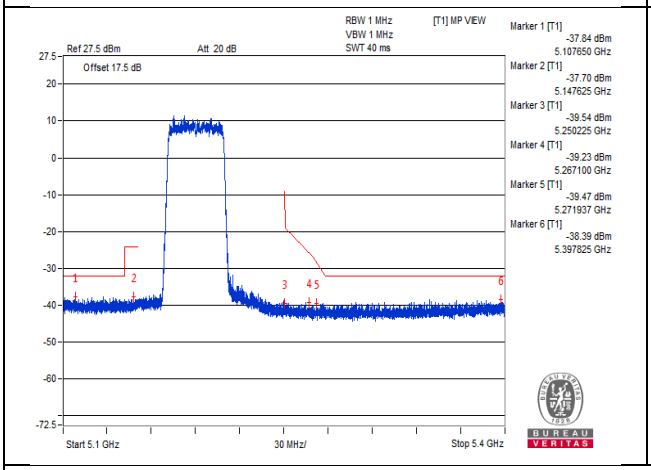
Note: 1. The spectrum plots are attached on the following pages.

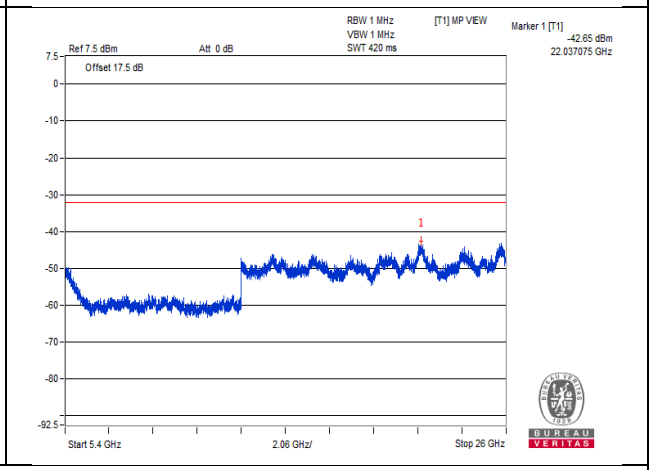
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



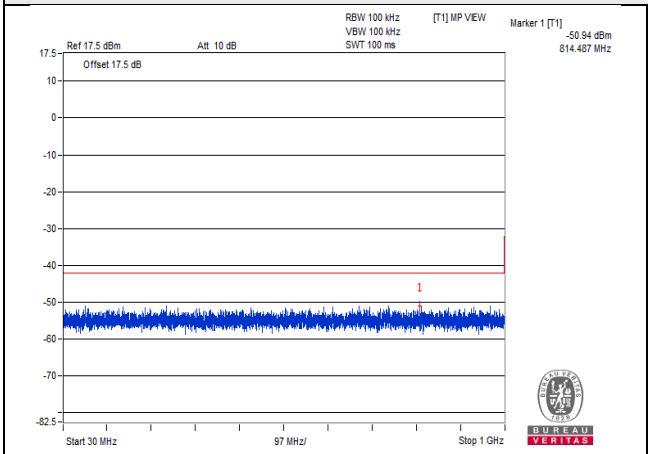


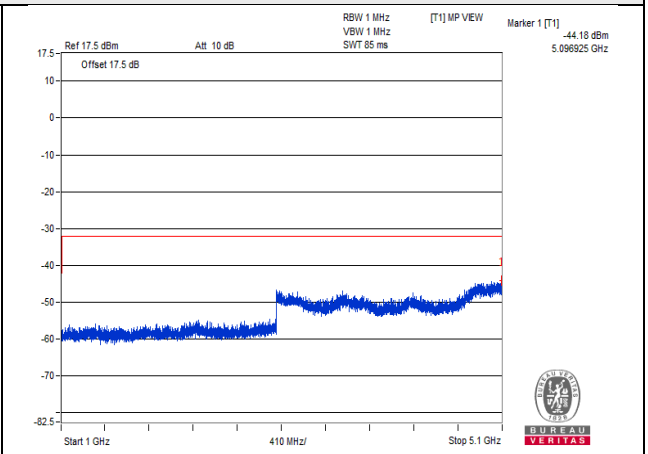


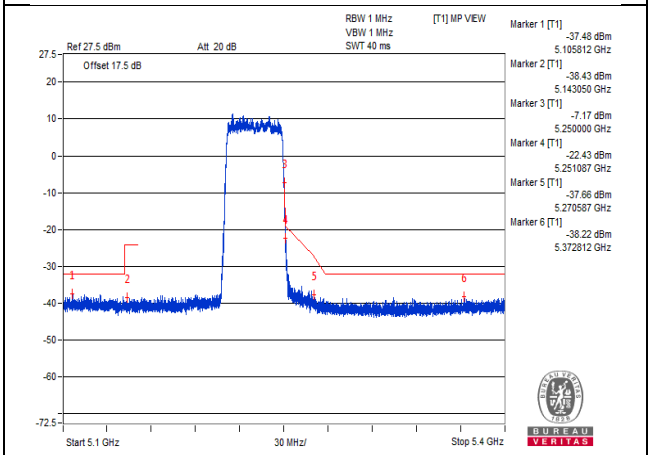


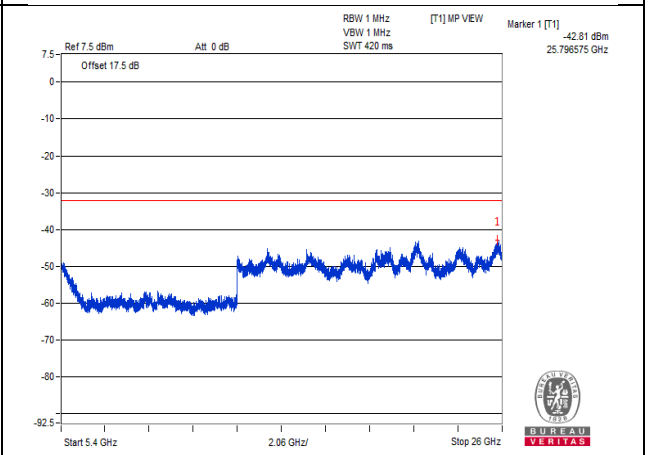
CH 38 (5190MHz)

Vnormal

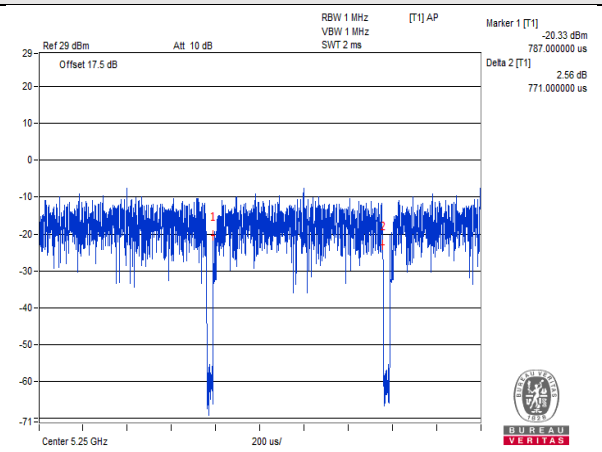








CH 46 (5230MHz)

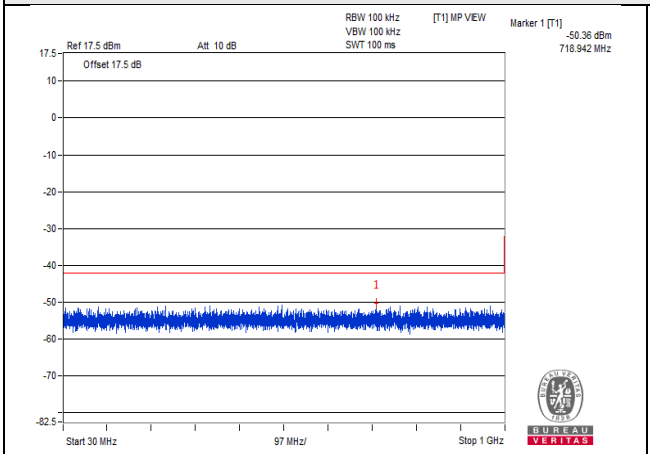
Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the “dBm” value into “uW” value. 3. It adds the all values and calculates a grand total. Define a grand total as “P”. 4. It divides “P” by sample data point (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5250.000MHz	P = 23.462258uW			

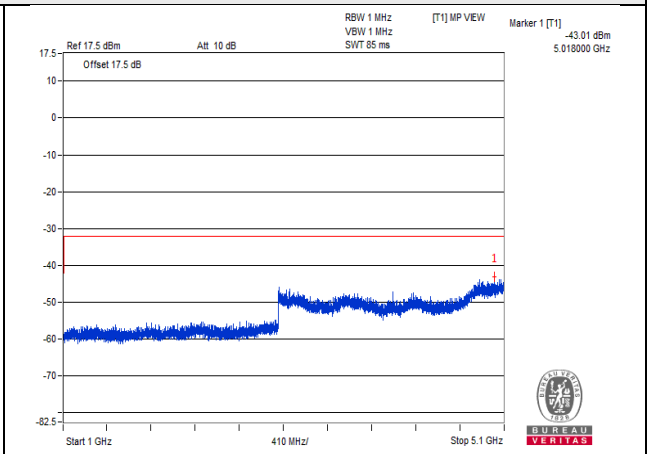
Test Channel		CH 54 (5270MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	718.942	0.009204	0.062	Pass
	1000.0 to 5100.0	5018.000	0.050003	0.625	Pass
	5100.0 to 5221.6	5101.237	0.186638	0.625	Pass
	5221.6 to 5230.0	5226.975	0.193197	1.308	Pass
	5230.0 to 5249.0	5249.000	6.471426	12.500	Pass
	5249.0 to 5250.0	5250.000	44.476171	125.000	Pass(1)
	5350.0 to 5358.4	5352.562	0.121060	3.750	Pass
	5358.4 to 5400.0	5367.750	0.159956	0.625	Pass
	5400.0 to 26000.0	22065.400	0.048753	0.625	Pass
Test Channel		**CH 62 (5310MHz)**			
V_{normal}	30.0 to 1000.0	719.548	0.009204	0.062	Pass
	1000.0 to 5100.0	5064.637	0.048865	0.625	Pass
	5100.0 to 5221.6	5101.162	0.181134	0.625	Pass
	5221.6 to 5230.0	5228.100	0.141254	1.526	Pass
	5230.0 to 5249.0	5231.137	0.133968	2.212	Pass
	5249.0 to 5250.0	5249.887	0.169434	96.363	Pass
	5350.0 to 5358.4	5350.462	0.215278	3.750	Pass
	5358.4 to 5400.0	5382.375	0.185780	0.625	Pass
	5400.0 to 26000.0	25845.500	0.056885	0.625	Pass

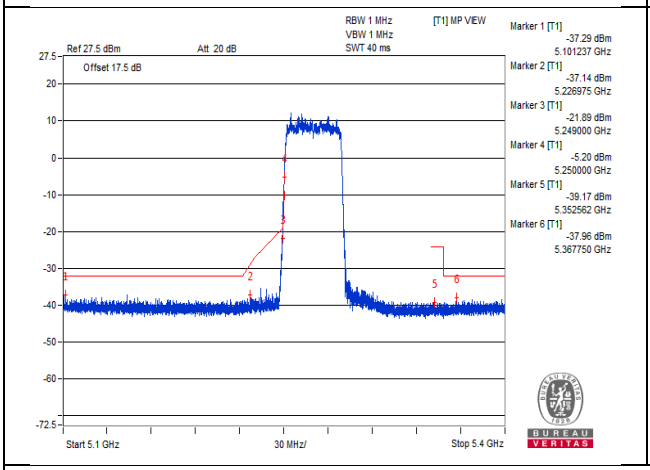
Note: 1. The spectrum plots are attached on the following pages.

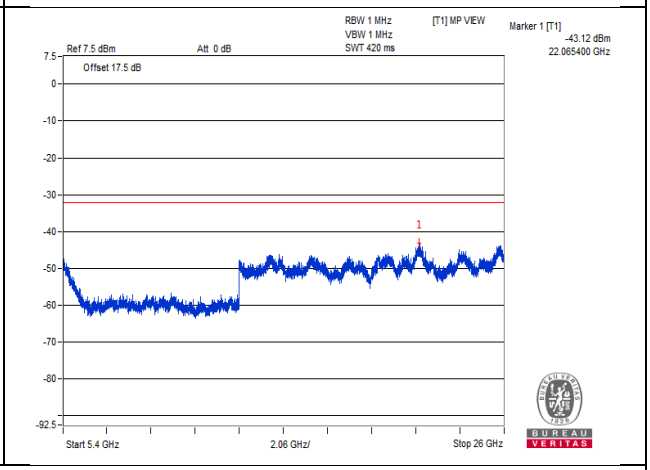
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



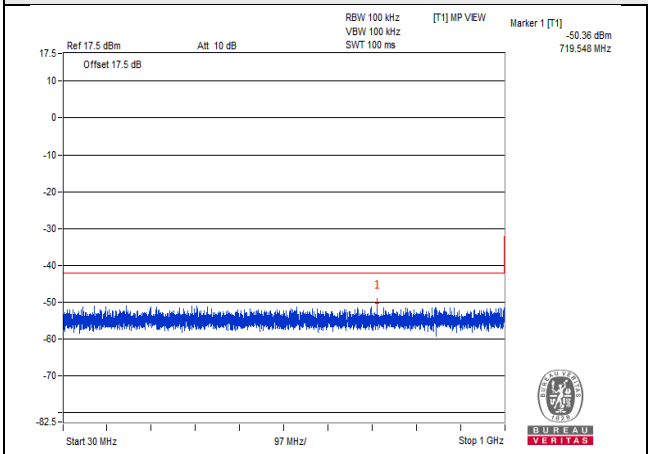


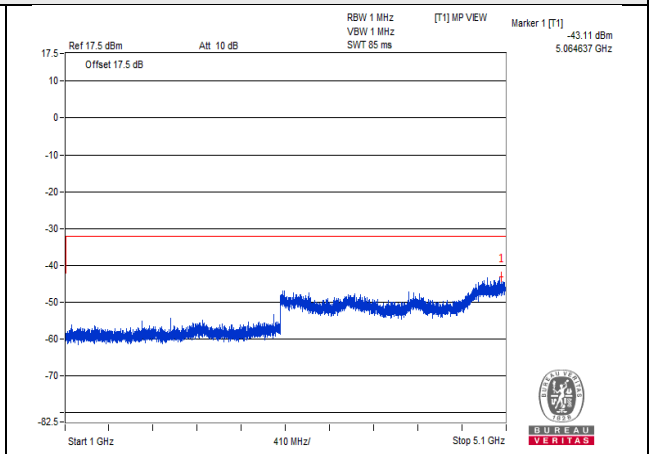


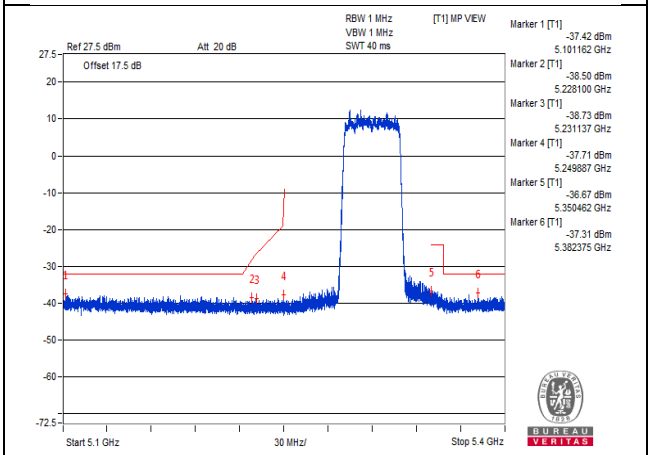


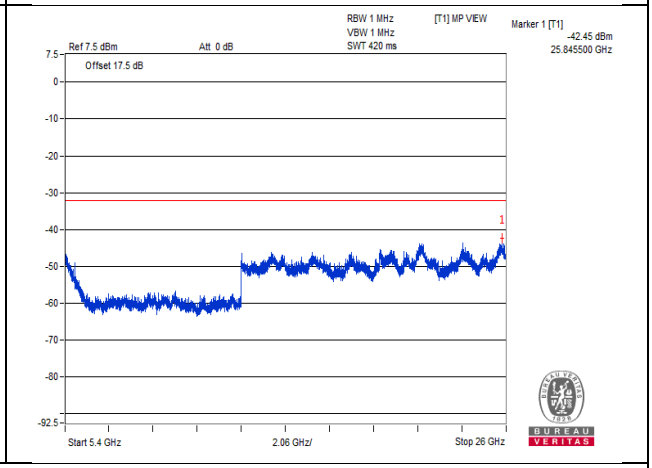
CH 54 (5270MHz)

Vnormal

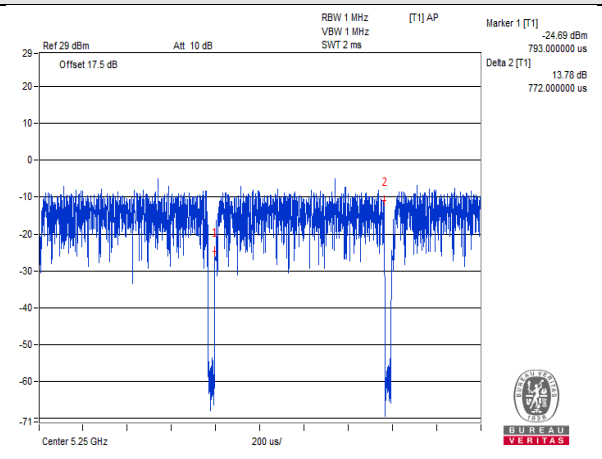








CH 62 (5310MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5250.000MHz	P = 44.476171uW			

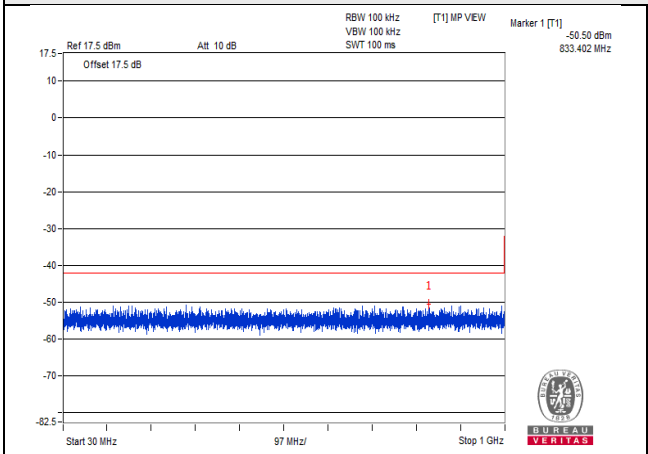
Chain 3

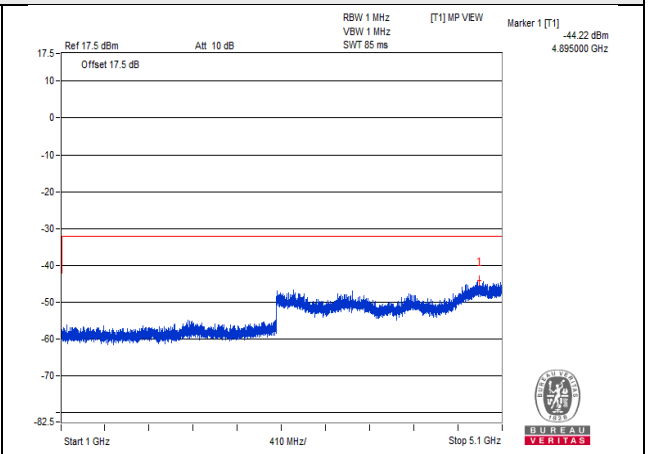
Test Channel		CH 38 (5190MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	833.402	0.008913	0.062	Pass
	1000.0 to 5100.0	4895.000	0.037844	0.625	Pass
	5100.0 to 5141.6	5128.612	0.142233	0.625	Pass
	5141.6 to 5150.0	5148.150	0.197697	3.750	Pass
	5250.0 to 5251.0	5250.000	0.153109	125.000	Pass
	5251.0 to 5270.0	5268.600	0.122462	2.269	Pass
	5270.0 to 5278.4	5274.937	0.092257	1.006	Pass
	5278.4 to 5400.0	5369.175	0.144212	0.625	Pass
	5400.0 to 26000.0	22026.775	0.049204	0.625	Pass
Test Channel		**CH 46 (5230MHz)**			
V_{normal}	30.0 to 1000.0	815.215	0.008492	0.062	Pass
	1000.0 to 5100.0	4910.375	0.036898	0.625	Pass
	5100.0 to 5141.6	5117.737	0.154170	0.625	Pass
	5141.6 to 5150.0	5146.200	0.119674	3.750	Pass
	5250.0 to 5251.0	5250.000	21.341923	125.000	Pass(1)
	5251.0 to 5270.0	5251.087	9.705100	12.395	Pass
	5270.0 to 5278.4	5271.000	0.219786	1.727	Pass
	5278.4 to 5400.0	5387.325	0.145881	0.625	Pass
	5400.0 to 26000.0	22031.925	0.046881	0.625	Pass

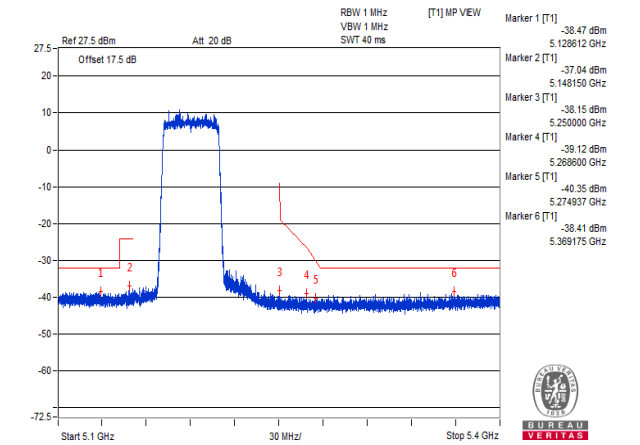
Note: 1. The spectrum plots are attached on the following pages.

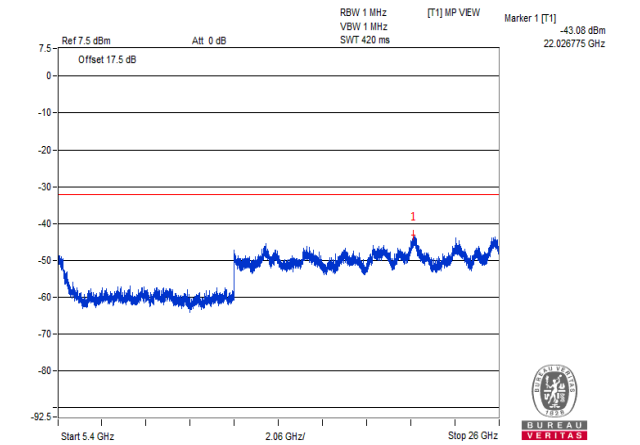
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



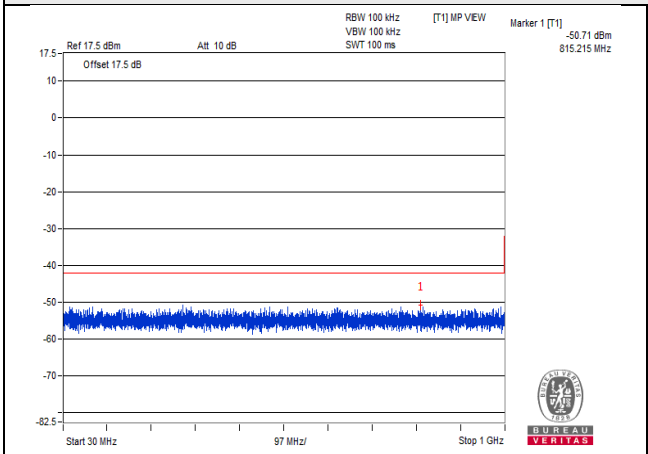


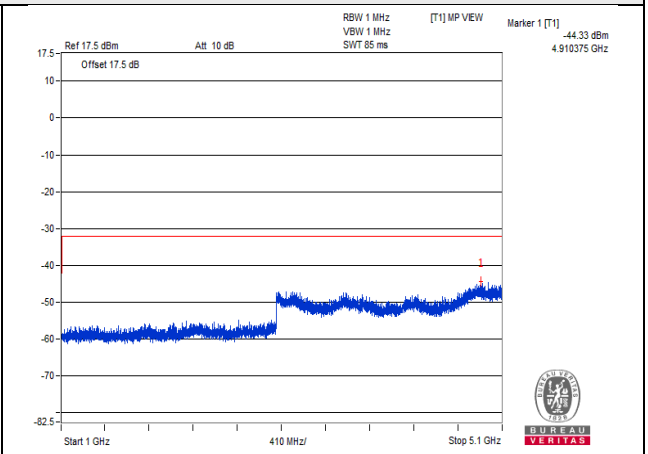


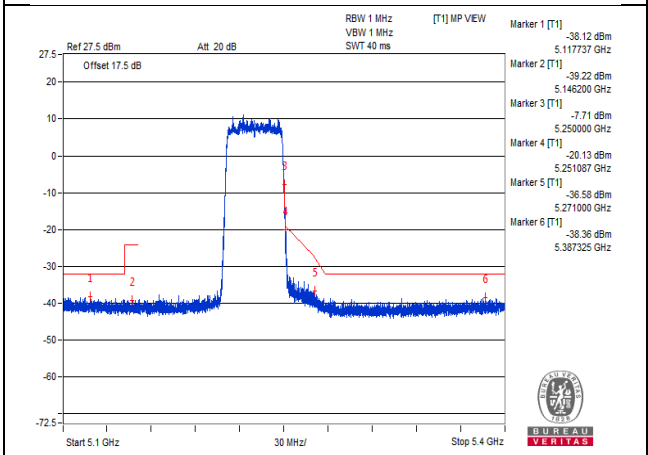


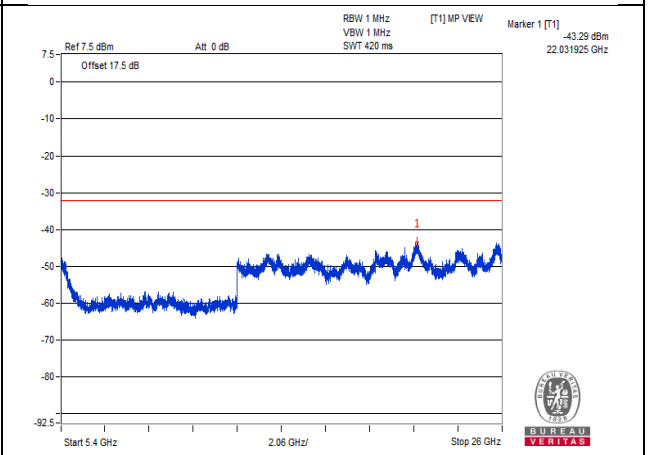
CH 38 (5190MHz)

Vnormal

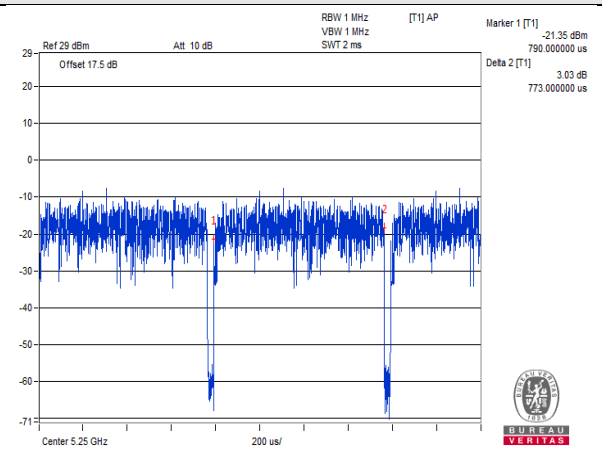








CH 46 (5230MHz)

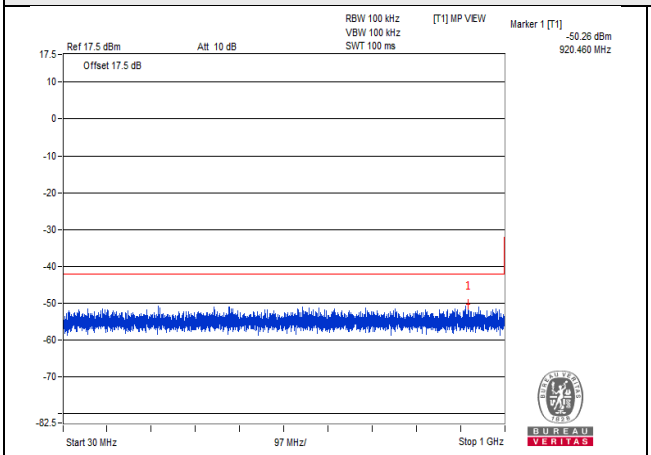
Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the “dBm” value into “uW” value. 3. It adds the all values and calculates a grand total. Define a grand total as “P”. 4. It divides “P” by sample data point (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5250.000MHz	P = 21.341923uW			

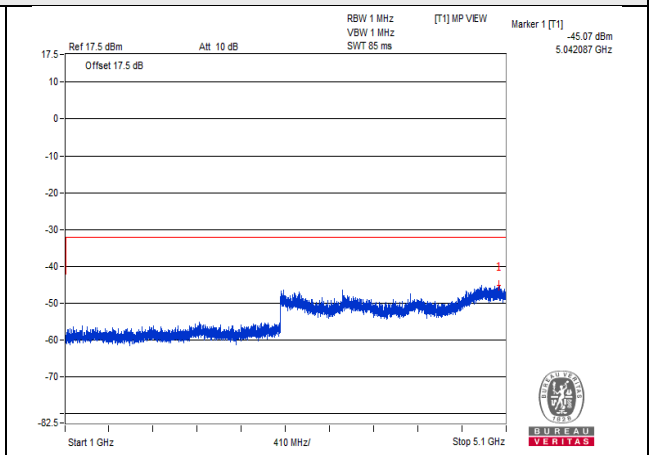
Test Channel		CH 54 (5270MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	920.460	0.009419	0.062	Pass
	1000.0 to 5100.0	5042.087	0.031117	0.625	Pass
	5100.0 to 5221.6	5119.312	0.164816	0.625	Pass
	5221.6 to 5230.0	5227.837	0.130317	1.472	Pass
	5230.0 to 5249.0	5248.950	11.939881	12.440	Pass
	5249.0 to 5250.0	5250.000	37.466169	125.000	Pass(1)
	5350.0 to 5358.4	5350.087	0.112202	3.750	Pass
	5358.4 to 5400.0	5397.637	0.153815	0.625	Pass
	5400.0 to 26000.0	25804.300	0.048417	0.625	Pass
Test Channel		**CH 62 (5310MHz)**			
V_{normal}	30.0 to 1000.0	334.337	0.008974	0.062	Pass
	1000.0 to 5100.0	5034.400	0.037068	0.625	Pass
	5100.0 to 5221.6	5184.487	0.162181	0.625	Pass
	5221.6 to 5230.0	5223.487	0.125603	0.810	Pass
	5230.0 to 5249.0	5239.725	0.145881	5.086	Pass
	5249.0 to 5250.0	5249.962	0.088920	114.528	Pass
	5350.0 to 5358.4	5352.450	0.407380	3.750	Pass
	5358.4 to 5400.0	5359.275	0.172584	0.625	Pass
	5400.0 to 26000.0	22075.700	0.049888	0.625	Pass

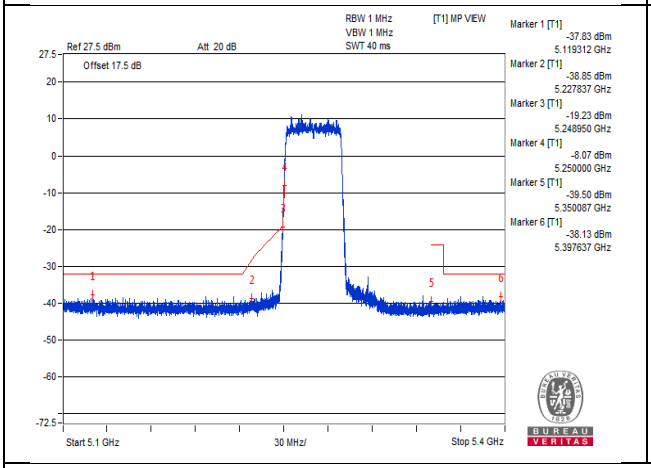
Note: 1. The spectrum plots are attached on the following pages.

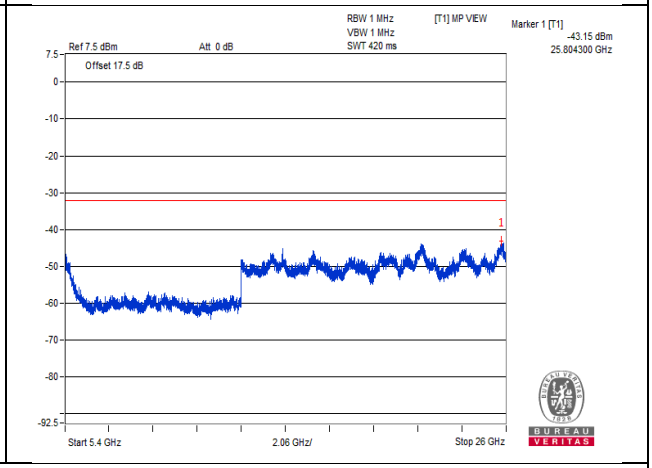
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



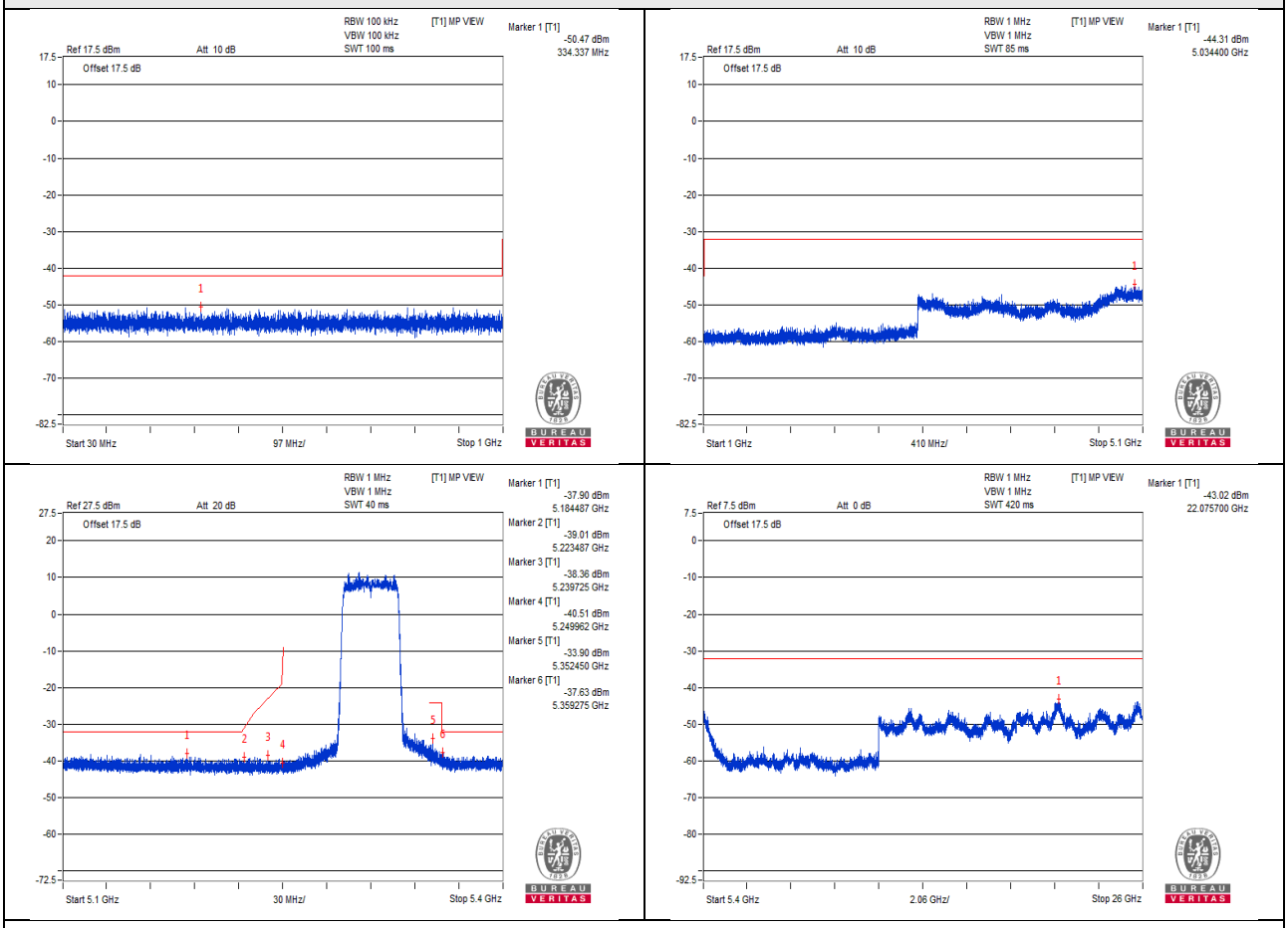




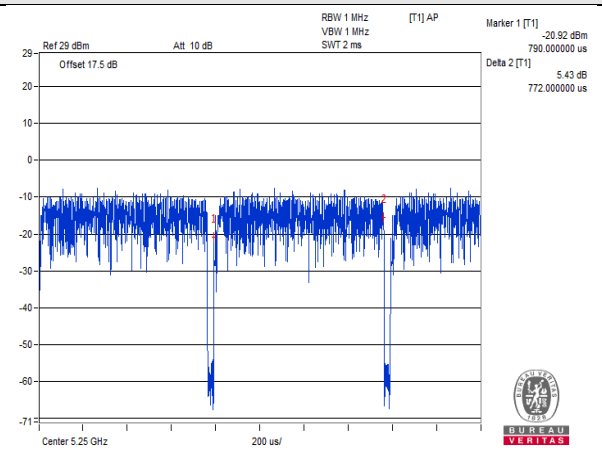


CH 54 (5270MHz)

Vnormal



CH 62 (5310MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5250.000MHz	P = 37.466169uW			

[Worst result] x [Number of antenna ports]

Test Channel		CH 38 (5190MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.039908	0.248	Pass
	1000.0 to 5100.0	0.191892	2.5	Pass
	5100.0 to 5141.6	0.801788	2.5	Pass
	5141.6 to 5150.0	0.833796	15	Pass
	5250.0 to 5251.0	0.612436	500	Pass
	5251.0 to 5270.0	0.580844	10.384	Pass
	5270.0 to 5278.4	0.454004	4.392	Pass
	5278.4 to 5400.0	0.688748	2.5	Pass
	5400.0 to 26000.0	0.217300	2.5	Pass
Test Channel		**CH 46 (5230MHz)**		
V_{normal}	30.0 to 1000.0	0.036816	0.248	Pass
	1000.0 to 5100.0	0.215308	2.5	Pass
	5100.0 to 5141.6	0.714596	2.5	Pass
	5141.6 to 5150.0	0.574196	15	Pass
	5250.0 to 5251.0	340.455216	353.972	Pass
	5251.0 to 5270.0	45.087900	49.94	Pass
	5270.0 to 5278.4	1.140408	7.312	Pass
	5278.4 to 5400.0	0.799944	2.5	Pass
	5400.0 to 26000.0	0.238264	2.5	Pass

Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

Test Channel		CH 54 (5270MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.041216	0.248	Pass
	1000.0 to 5100.0	0.200012	2.5	Pass
	5100.0 to 5221.6	0.746552	2.5	Pass
	5221.6 to 5230.0	0.851256	5.708	Pass
	5230.0 to 5249.0	47.759524	49.76	Pass
	5249.0 to 5250.0	185.748364	500	Pass
	5350.0 to 5358.4	0.539584	15	Pass
	5358.4 to 5400.0	0.711312	2.5	Pass
	5400.0 to 26000.0	0.230176	2.5	Pass
Test Channel		**CH 62 (5310MHz)**		
V_{normal}	30.0 to 1000.0	0.041120	0.248	Pass
	1000.0 to 5100.0	0.195460	2.5	Pass
	5100.0 to 5221.6	0.724536	2.5	Pass
	5221.6 to 5230.0	0.606820	5.856	Pass
	5230.0 to 5249.0	0.591644	21.096	Pass
	5249.0 to 5250.0	0.677736	385.452	Pass
	5350.0 to 5358.4	1.629520	15	Pass
	5358.4 to 5400.0	0.762184	2.5	Pass
	5400.0 to 26000.0	0.227540	2.5	Pass

Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

W52 & W53 Bands:

802.11ax (HE80)

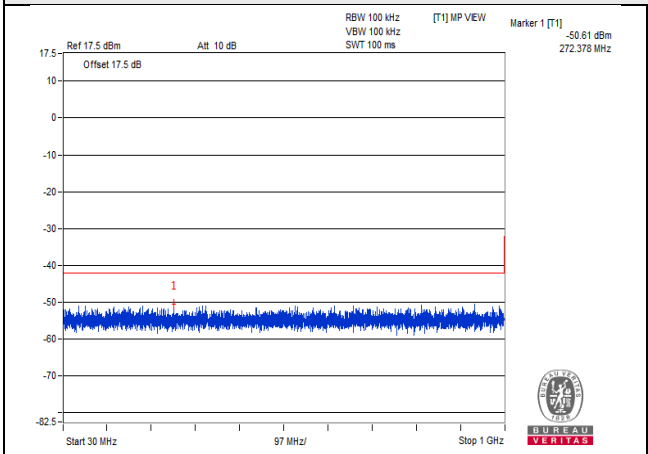
Chain 0

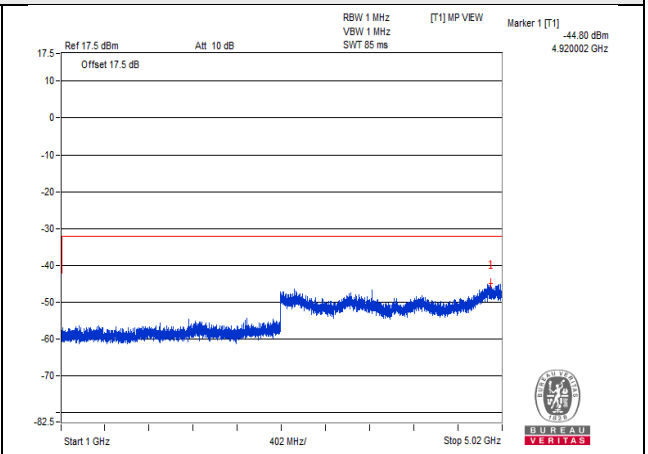
Test Channel		CH 42 (5210MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	272.378	0.008690	0.062	Pass
	1000.0 to 5020.0	4920.002	0.033113	0.625	Pass
	5020.0 to 5123.2	5068.127	0.183231	0.625	Pass
	5123.2 to 5150.0	5145.982	0.262422	3.750	Pass
	5250.0 to 5251.0	5250.115	5.458889	47.960	Pass(1)
	5251.0 to 5290.0	5251.000	0.414717	6.250	Pass(2)
	5290.0 to 5296.7	5292.550	0.135831	0.831	Pass
	5296.7 to 5480.0	5403.007	0.178649	0.625	Pass
	5480.0 to 26000.0	22021.685	0.050699	0.625	Pass

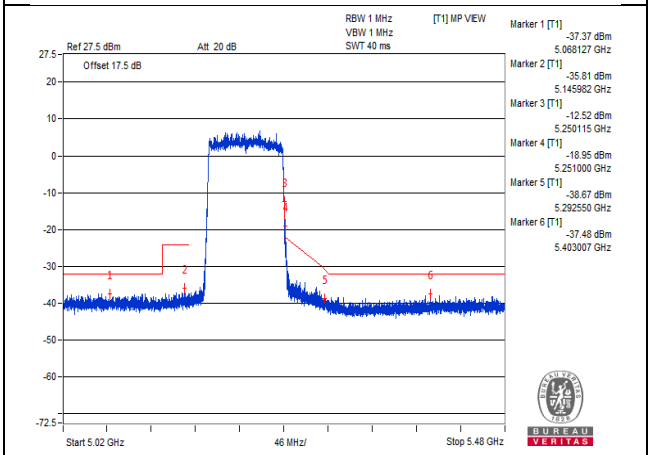
Note: 1. The spectrum plots are attached on the following pages.

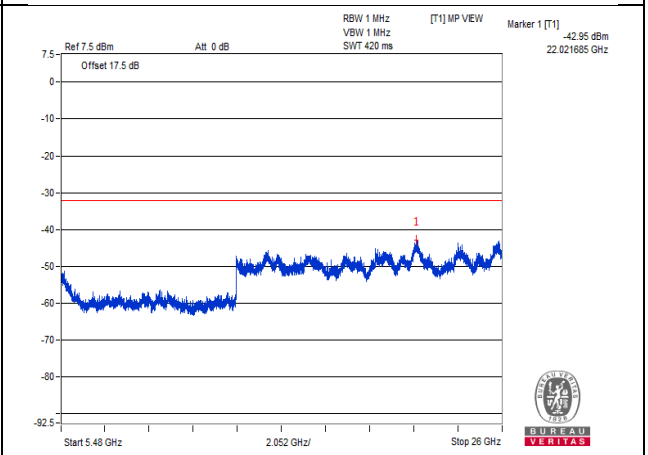
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



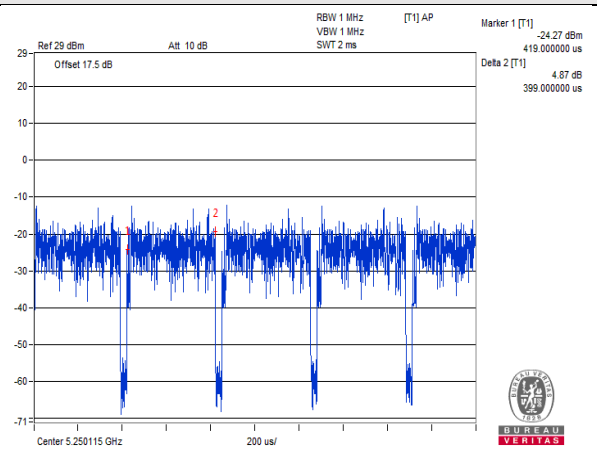


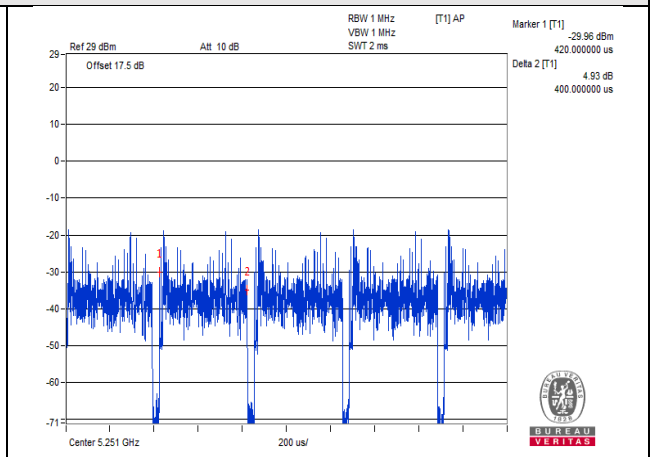




CH 42 (5210MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





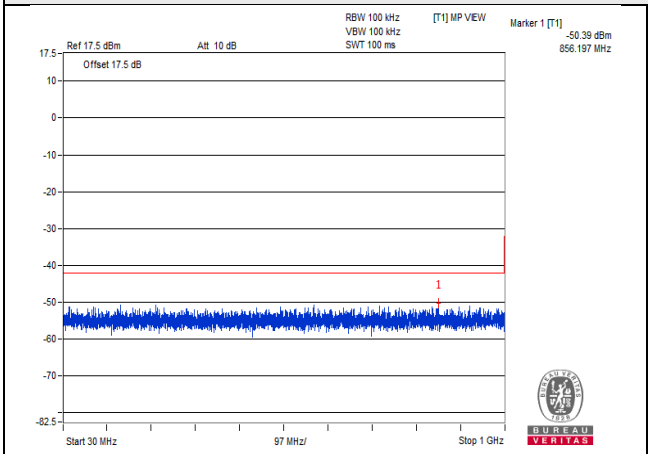
1	5250.115MHz	P = 5.458889uW	2	5251.000MHz	P = 0.414717uW

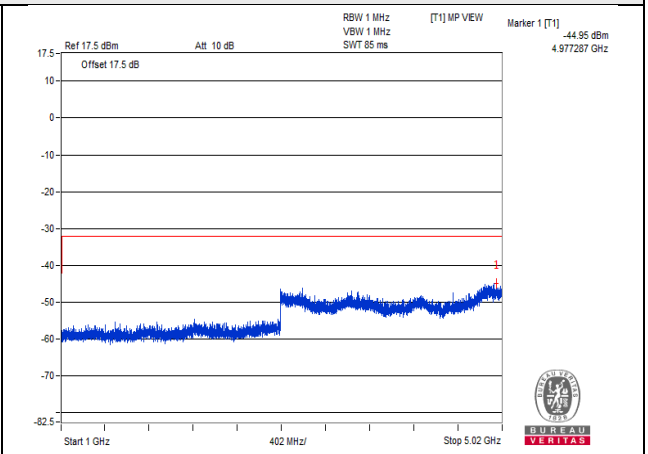
Test Channel		CH 58 (5290MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	856.197	0.009141	0.062	Pass
	1000.0 to 5020.0	4977.287	0.031989	0.625	Pass
	5020.0 to 5203.3	5031.327	0.194536	0.625	Pass
	5203.3 to 5210.0	5209.922	0.155239	0.985	Pass
	5210.0 to 5249.0	5248.850	0.753320	6.206	Pass(1)
	5249.0 to 5250.0	5250.000	17.896281	62.500	Pass(2)
	5350.0 to 5376.8	5363.505	0.182390	3.750	Pass
	5376.8 to 5480.0	5434.862	0.159588	0.625	Pass
	5480.0 to 26000.0	25835.840	0.047643	0.625	Pass

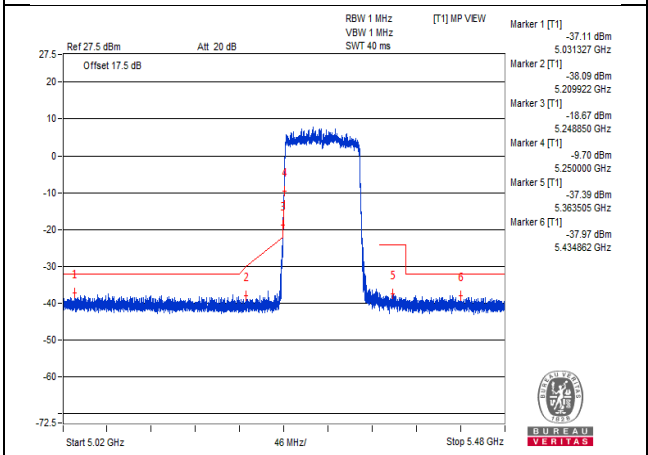
Note: 1. The spectrum plots are attached on the following pages.

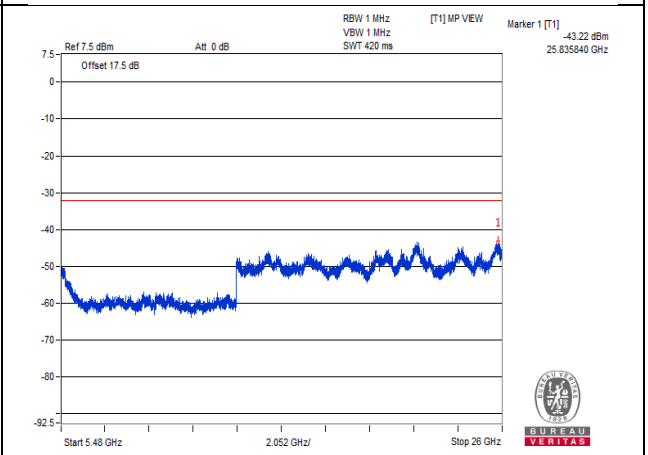
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



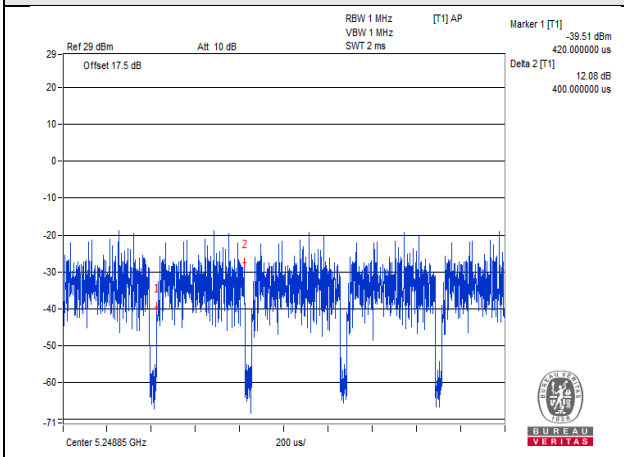


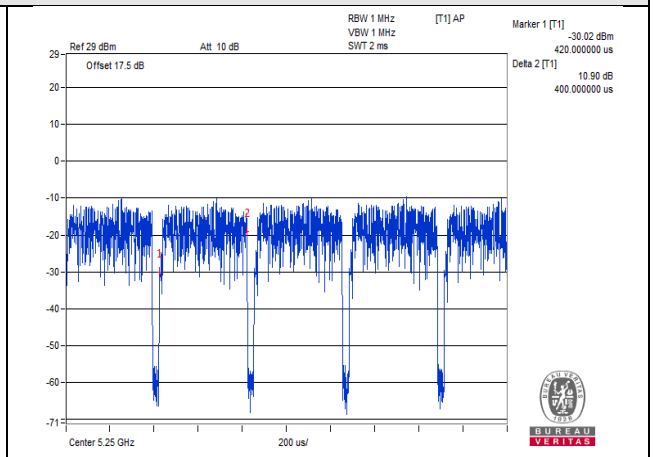




CH 58 (5290MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





1	5248.850MHz	P = 0.75332uW	2	5250.000MHz	P = 17.896281uW

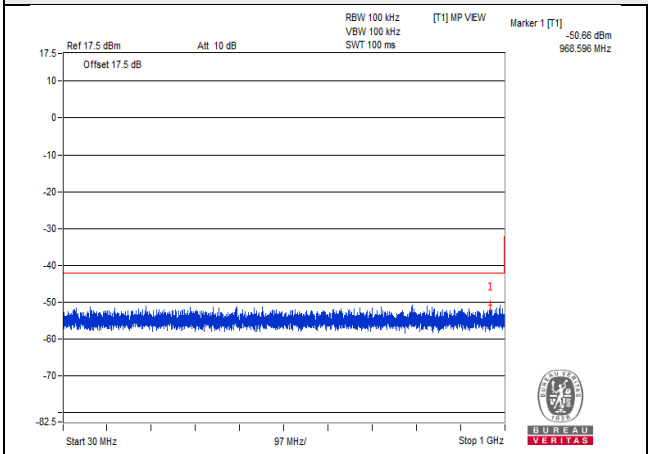
Chain 1

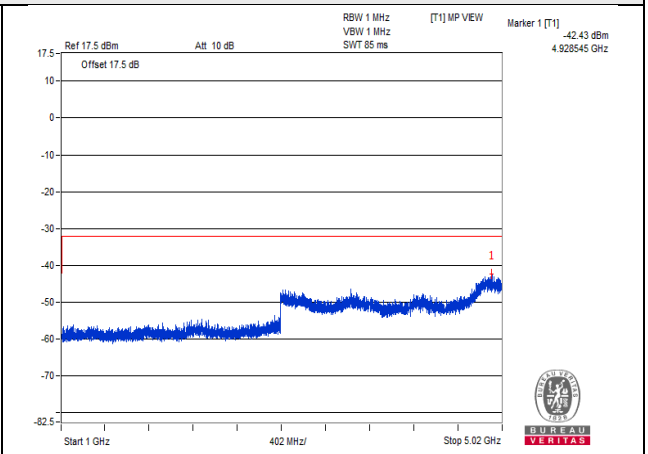
Test Channel		CH 42 (5210MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	968.596	0.008590	0.062	Pass
	1000.0 to 5020.0	4928.545	0.057148	0.625	Pass
	5020.0 to 5123.2	5122.120	0.296483	0.625	Pass
	5123.2 to 5150.0	5141.555	0.424620	3.750	Pass
	5250.0 to 5251.0	5250.230	7.162180	36.803	Pass(1)
	5251.0 to 5290.0	5251.380	0.290023	6.139	Pass(2)
	5290.0 to 5296.7	5292.665	0.238232	0.825	Pass
	5296.7 to 5480.0	5306.005	0.322107	0.625	Pass
	5480.0 to 26000.0	22037.075	0.047643	0.625	Pass

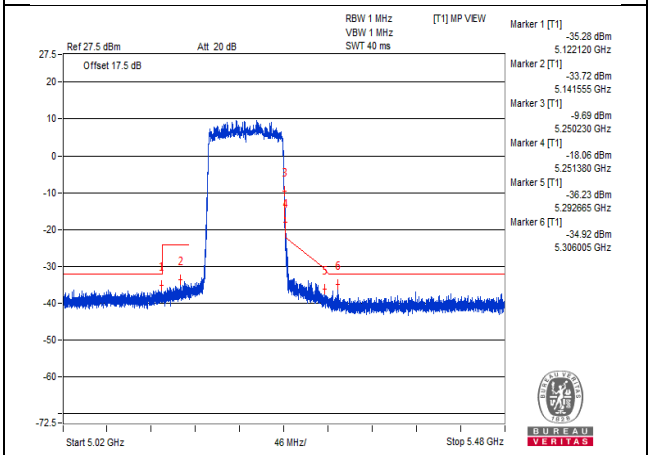
Note: 1. The spectrum plots are attached on the following pages.

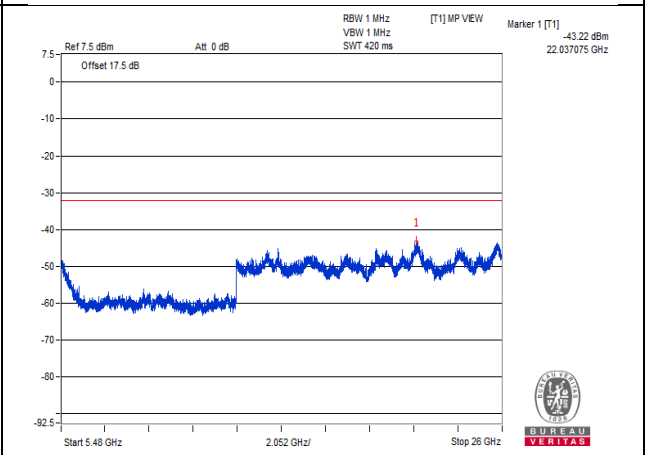
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



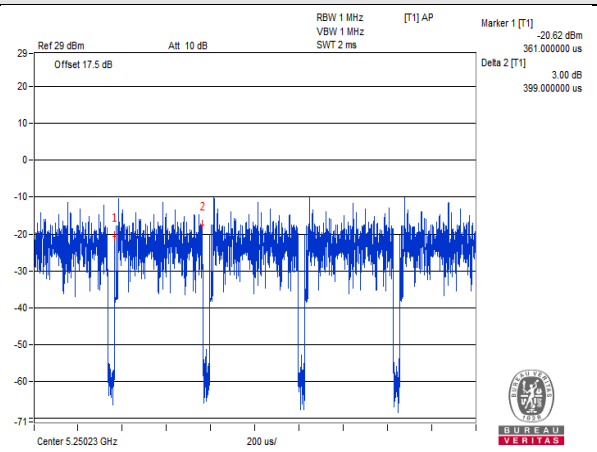


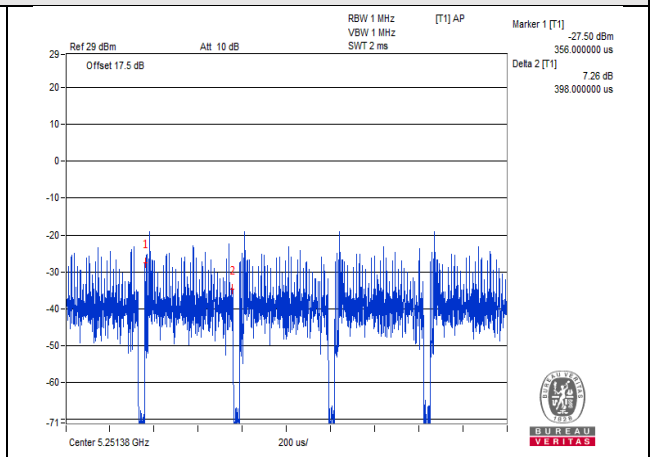




CH 42 (5210MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





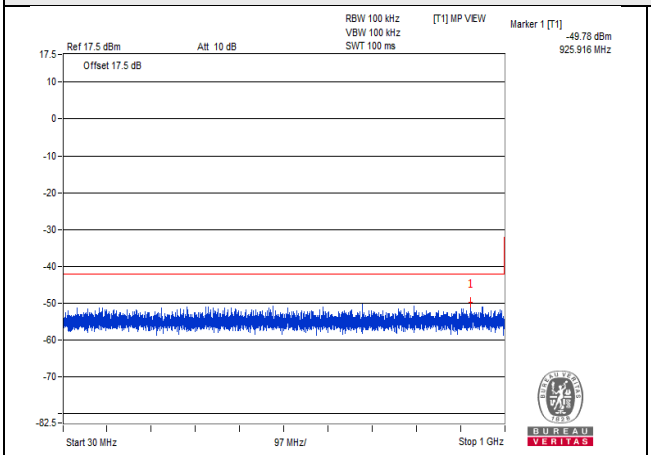
1	5250.230MHz	P = 7.16218uW	2	5251.380MHz	P = 0.290023uW

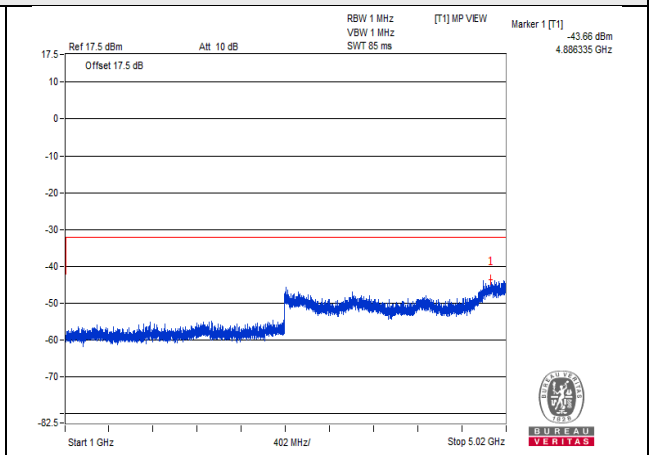
Test Channel		CH 58 (5290MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	925.916	0.010520	0.062	Pass
	1000.0 to 5020.0	4886.335	0.043053	0.625	Pass
	5020.0 to 5203.3	5081.927	0.205589	0.625	Pass
	5203.3 to 5210.0	5203.310	0.197242	0.625	Pass
	5210.0 to 5249.0	5248.965	1.319390	6.240	Pass(1)
	5249.0 to 5250.0	5249.942	22.429772	54.686	Pass(2)
	5350.0 to 5376.8	5365.517	0.345939	3.750	Pass
	5376.8 to 5480.0	5471.030	0.197697	0.625	Pass
	5480.0 to 26000.0	22019.120	0.049774	0.625	Pass

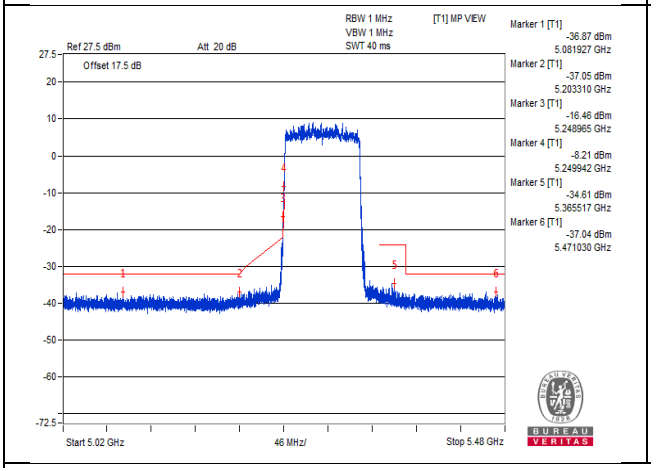
Note: 1. The spectrum plots are attached on the following pages.

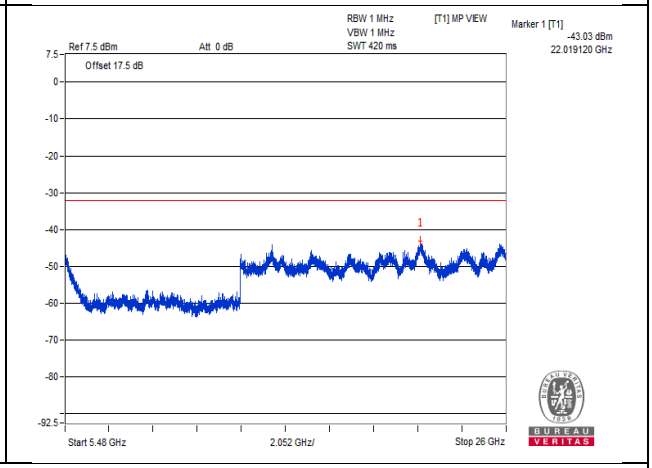
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal





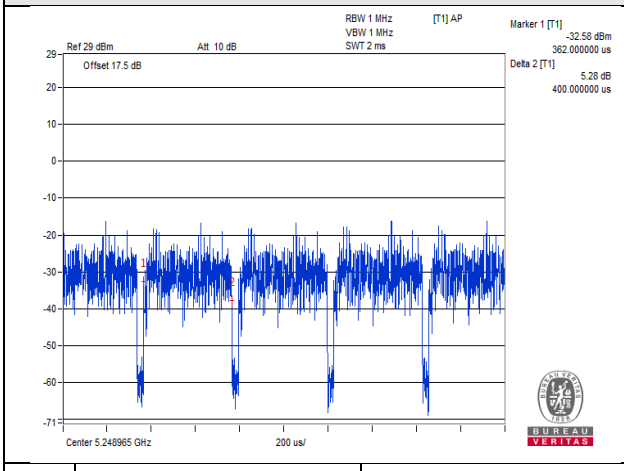


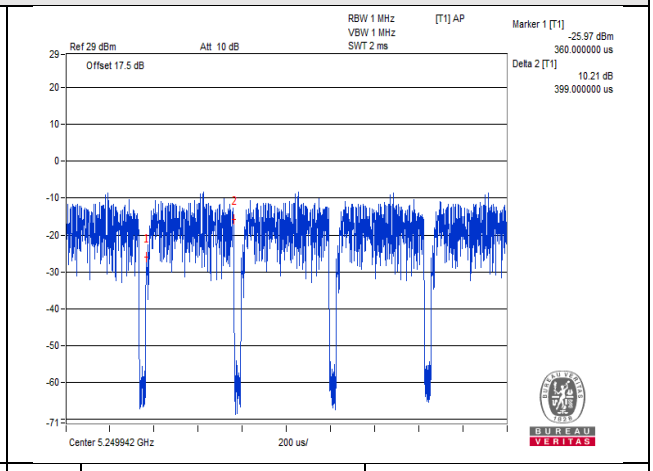


CH 58 (5290MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal





1	5248.965MHz	P = 1.31939uW	2	5249.942MHz	P = 22.429772uW

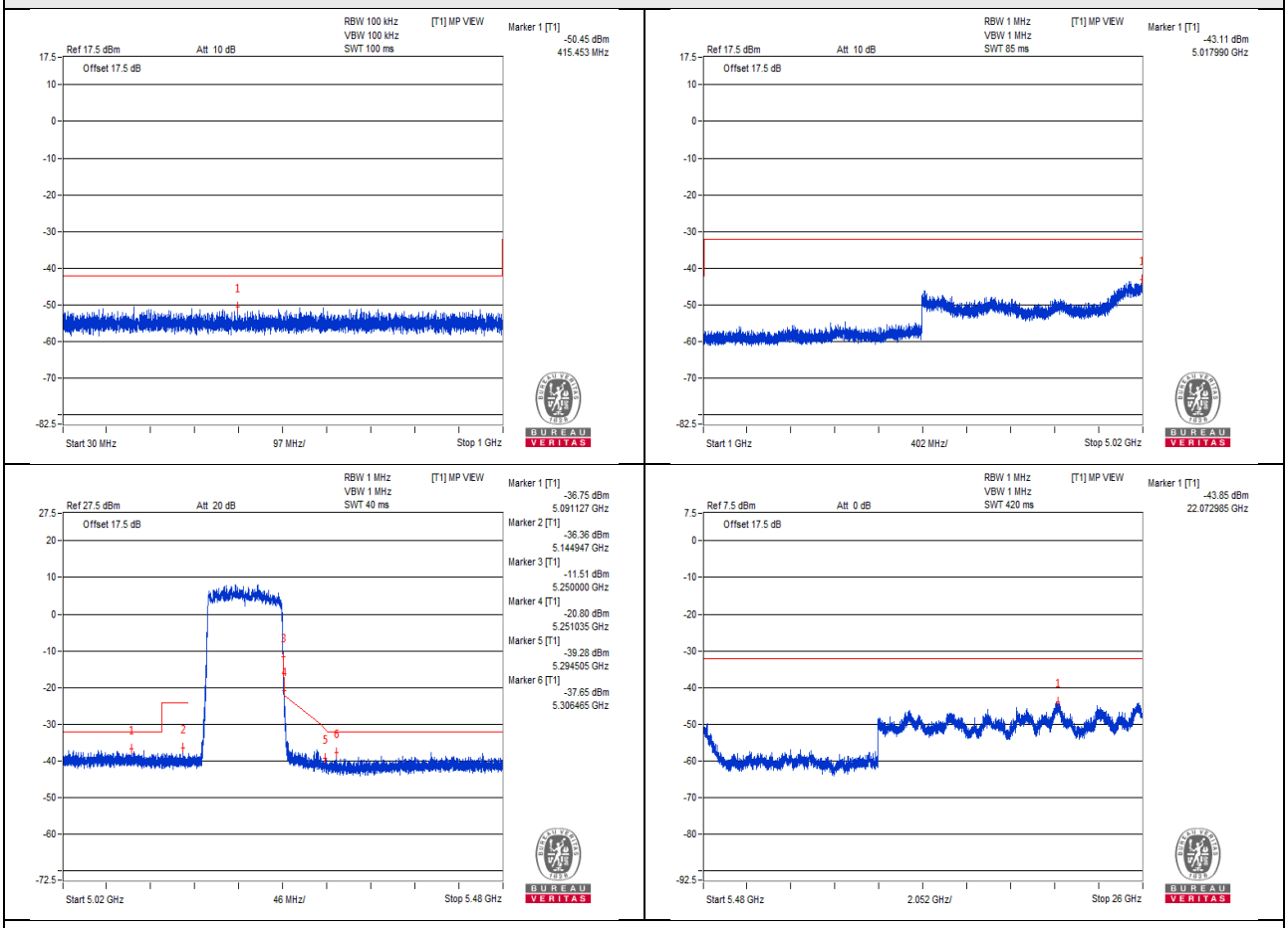
Chain 2

Test Channel		CH 42 (5210MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	415.453	0.009016	0.062	Pass
	1000.0 to 5020.0	5017.990	0.048865	0.625	Pass
	5020.0 to 5123.2	5091.127	0.211349	0.625	Pass
	5123.2 to 5150.0	5144.947	0.231206	3.750	Pass
	5250.0 to 5251.0	5250.000	11.054693	62.500	Pass(1)
	5251.0 to 5290.0	5251.035	0.347955	6.240	Pass(2)
	5290.0 to 5296.7	5294.505	0.118032	0.727	Pass
	5296.7 to 5480.0	5306.465	0.171791	0.625	Pass
	5480.0 to 26000.0	22072.985	0.041210	0.625	Pass

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

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

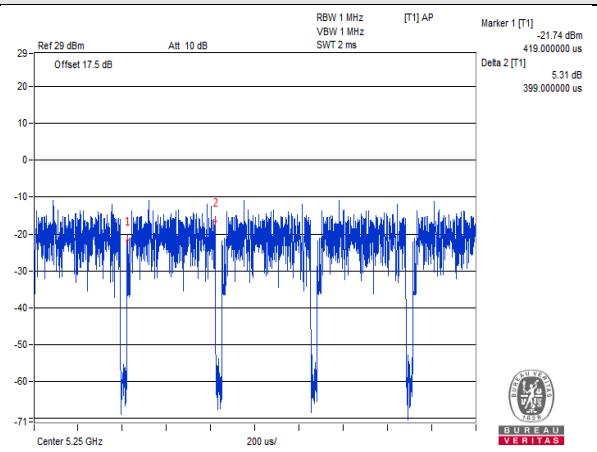
Vnormal

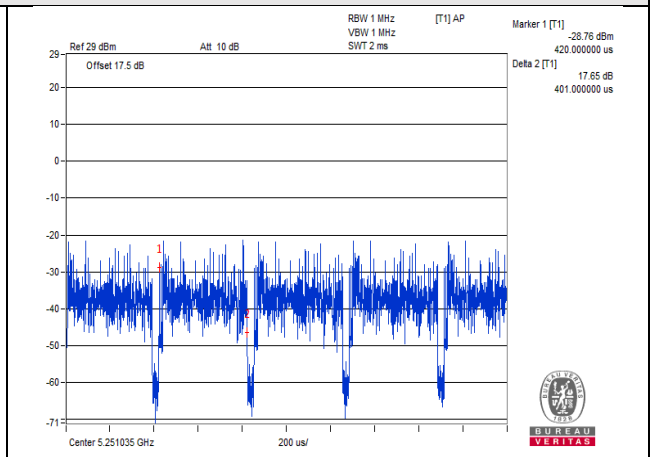


CH 42 (5210MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal





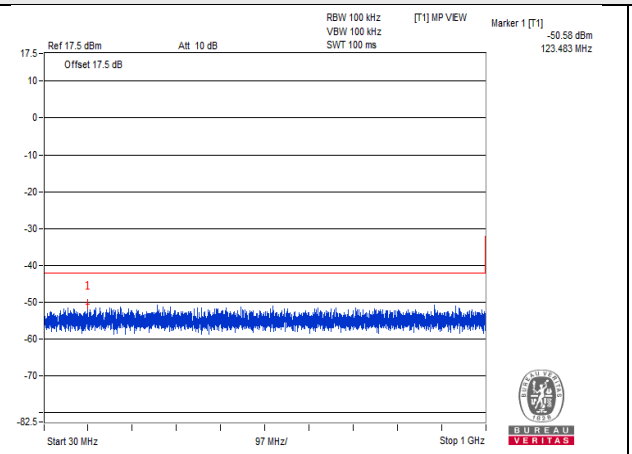
1	5250.000MHz	P = 11.054693uW	2	5251.035MHz	P = 0.347955uW

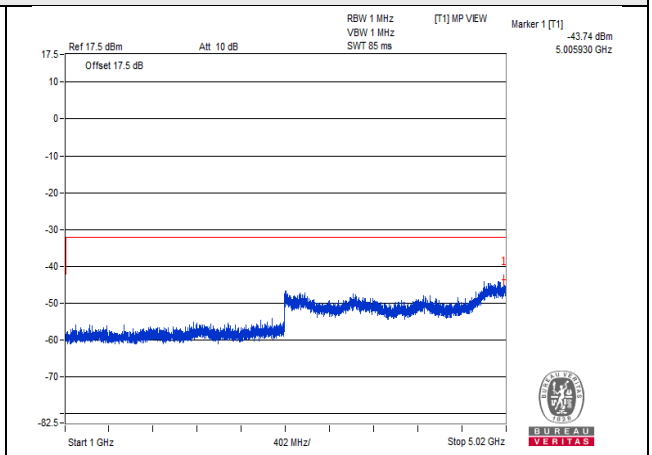
Test Channel		CH 58 (5290MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	123.483	0.008750	0.062	Pass
	1000.0 to 5020.0	5005.930	0.042267	0.625	Pass
	5020.0 to 5203.3	5101.247	0.187932	0.625	Pass
	5203.3 to 5210.0	5208.945	0.150661	0.921	Pass
	5210.0 to 5249.0	5248.907	0.813815	6.223	Pass(1)
	5249.0 to 5250.0	5249.942	14.782115	54.686	Pass(2)
	5350.0 to 5376.8	5369.657	0.172187	3.750	Pass
	5376.8 to 5480.0	5426.467	0.156315	0.625	Pass
	5480.0 to 26000.0	22039.640	0.048978	0.625	Pass

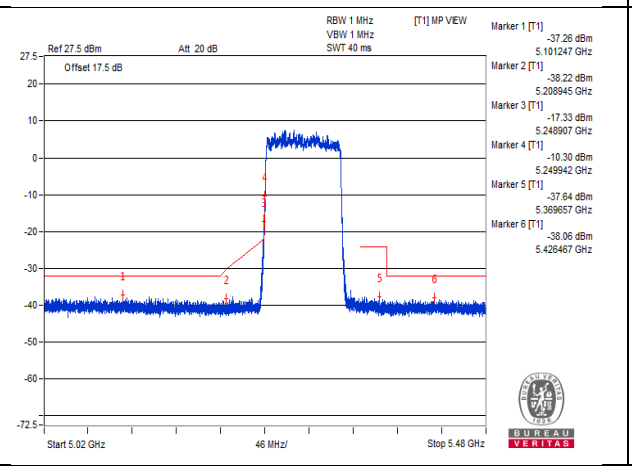
Note: 1. The spectrum plots are attached on the following pages.

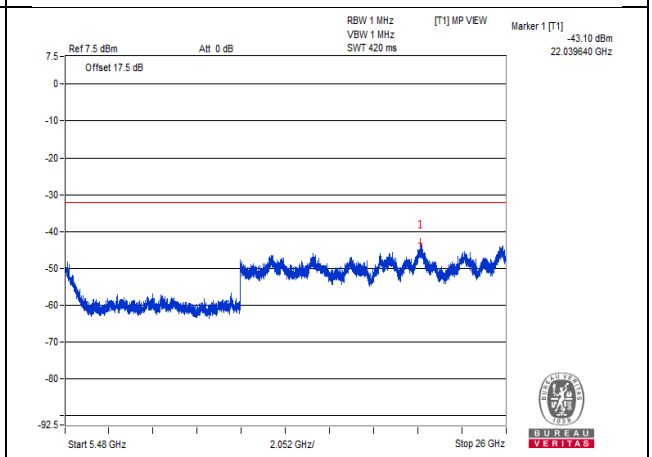
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal





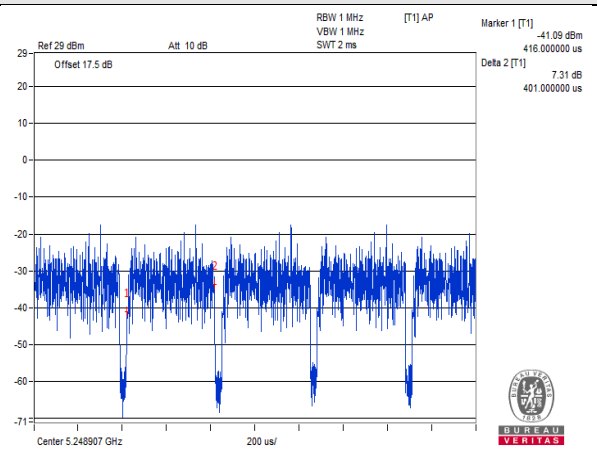




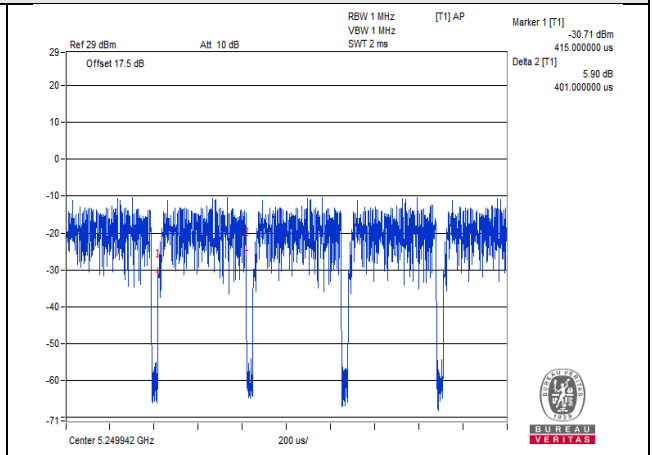
CH 58 (5290MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal



1	5248.907MHz	P = 0.813815uW



2	5249.942MHz	P = 14.782115uW

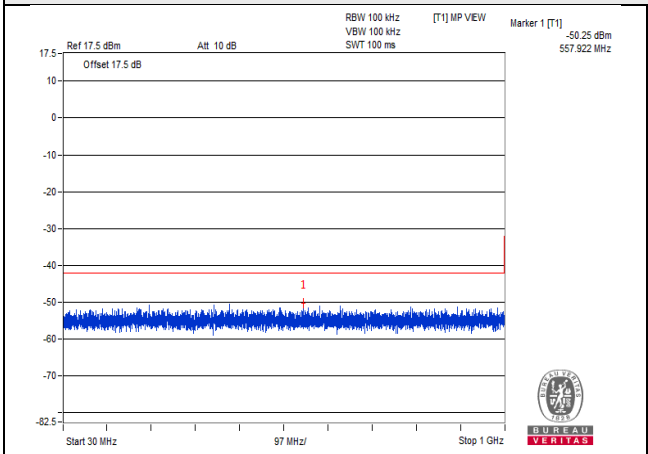
Chain 3

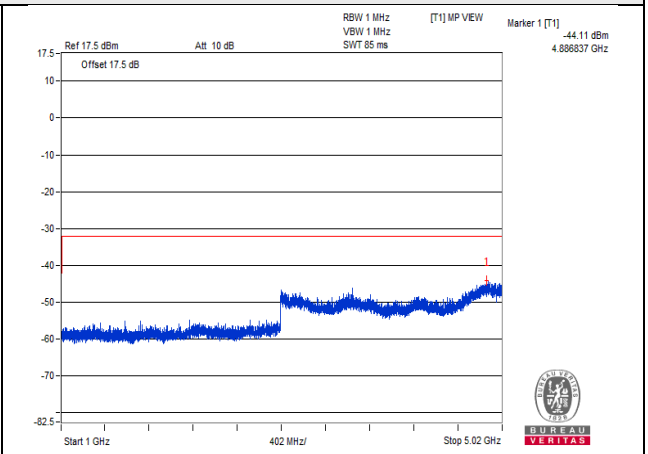
Test Channel		CH 42 (5210MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	557.922	0.009441	0.062	Pass
	1000.0 to 5020.0	4886.837	0.038815	0.625	Pass
	5020.0 to 5123.2	5108.262	0.179473	0.625	Pass
	5123.2 to 5150.0	5126.490	0.151008	3.750	Pass
	5250.0 to 5251.0	5250.000	9.667971	62.500	Pass(1)
	5251.0 to 5290.0	5251.000	0.366997	6.250	Pass(2)
	5290.0 to 5296.7	5291.285	0.136144	0.907	Pass
	5296.7 to 5480.0	5347.060	0.160325	0.625	Pass
	5480.0 to 26000.0	25828.145	0.051761	0.625	Pass

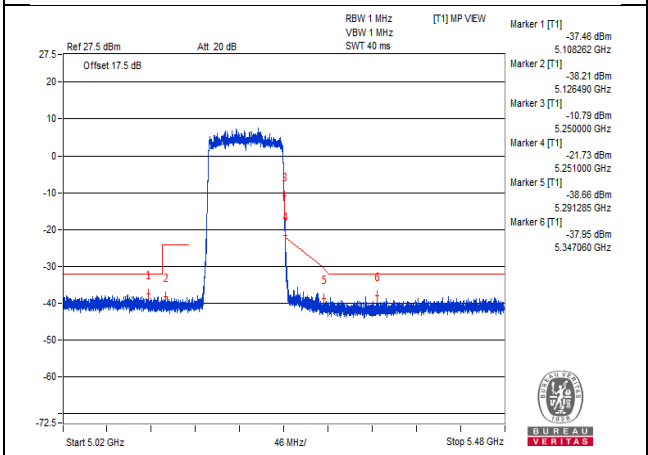
Note: 1. The spectrum plots are attached on the following pages.

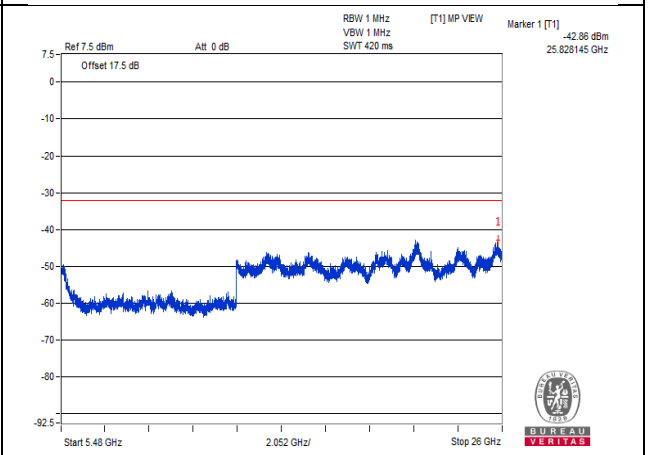
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



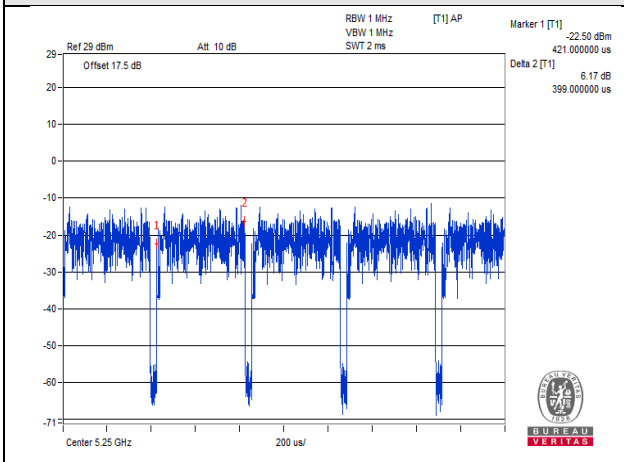


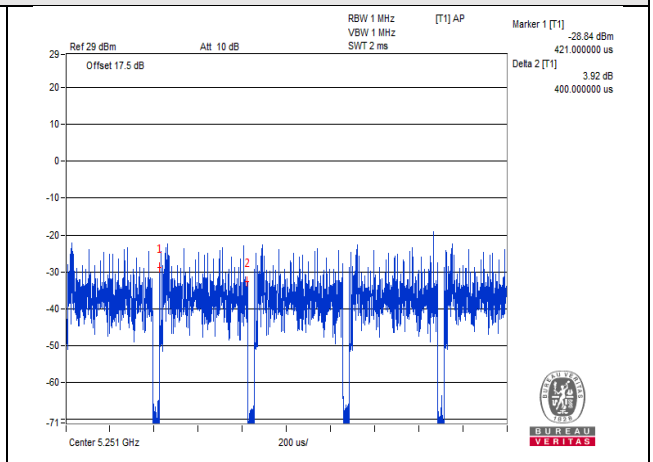




CH 42 (5210MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





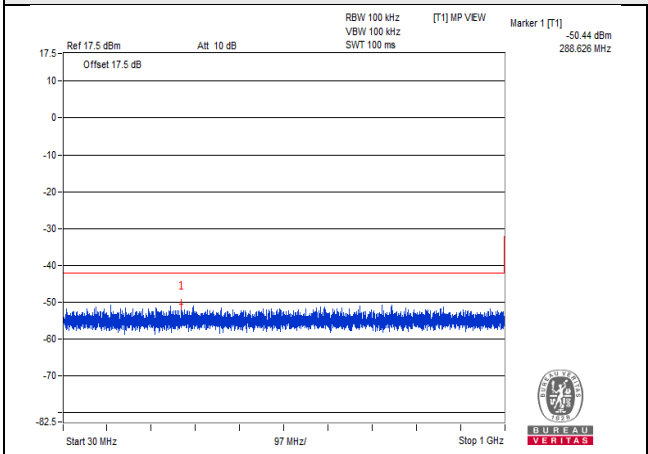
1	5250.000MHz	P = 9.667971uW	2	5251.000MHz	P = 0.366997uW

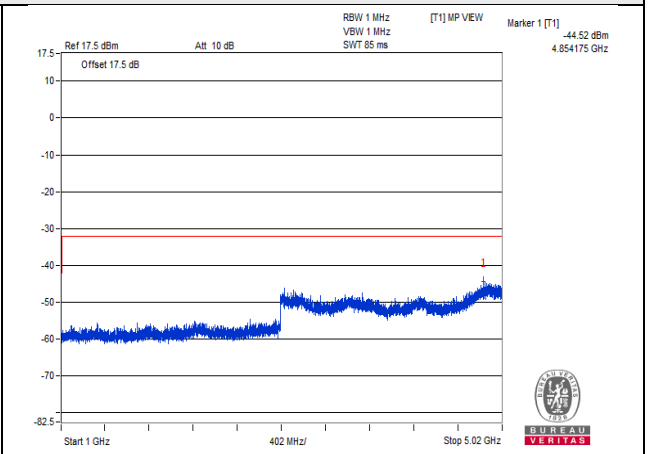
Test Channel		CH 58 (5290MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	288.626	0.009036	0.062	Pass
	1000.0 to 5020.0	4854.175	0.035318	0.625	Pass
	5020.0 to 5203.3	5035.180	0.192752	0.625	Pass
	5203.3 to 5210.0	5209.232	0.149624	0.940	Pass
	5210.0 to 5249.0	5248.907	0.856850	6.223	Pass(1)
	5249.0 to 5250.0	5250.000	18.094726	62.500	Pass(2)
	5350.0 to 5376.8	5350.970	0.246604	3.750	Pass
	5376.8 to 5480.0	5417.555	0.296483	0.625	Pass
	5480.0 to 26000.0	25835.840	0.045709	0.625	Pass

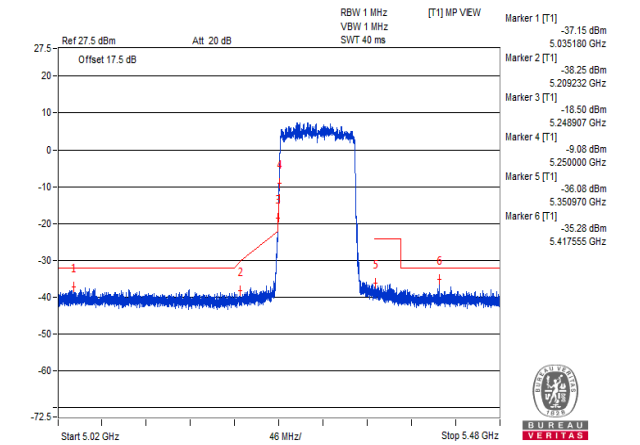
Note: 1. The spectrum plots are attached on the following pages.

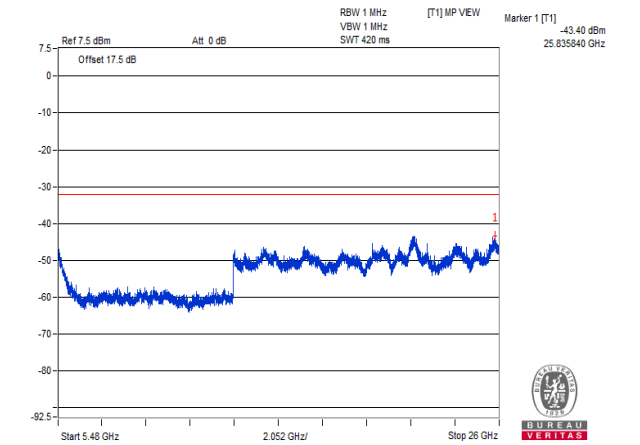
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



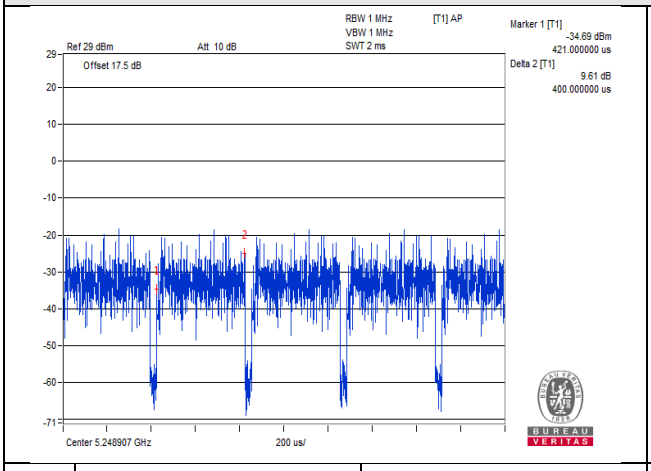




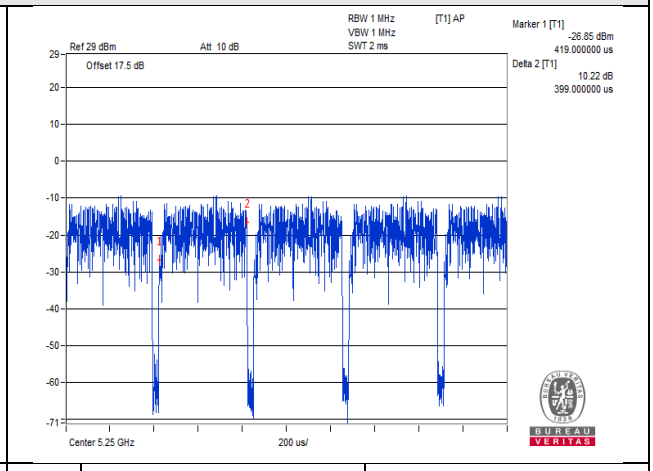


CH 58 (5290MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal



1	5248.907MHz	P = 0.85685uW	2	5250.000MHz	P = 18.094726uW



[Worst result] x [Number of antenna ports]

Test Channel		CH 42 (5210MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.037764	0.248	Pass
	1000.0 to 5020.0	0.228592	2.5	Pass
	5020.0 to 5123.2	1.185932	2.5	Pass
	5123.2 to 5150.0	1.698480	15	Pass
	5250.0 to 5251.0	44.218772	250	Pass
	5251.0 to 5290.0	1.658868	25	Pass
	5290.0 to 5296.7	0.952928	3.3	Pass
	5296.7 to 5480.0	1.288428	2.5	Pass
	5480.0 to 26000.0	0.207044	2.5	Pass

Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

Test Channel		CH 58 (5290MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.042080	0.248	Pass
	1000.0 to 5020.0	0.172212	2.5	Pass
	5020.0 to 5203.3	0.822356	2.5	Pass
	5203.3 to 5210.0	0.788968	2.5	Pass
	5210.0 to 5249.0	5.277560	24.96	Pass
	5249.0 to 5250.0	89.719088	218.744	Pass
	5350.0 to 5376.8	1.383756	15	Pass
	5376.8 to 5480.0	1.185932	2.5	Pass
	5480.0 to 26000.0	0.199096	2.5	Pass

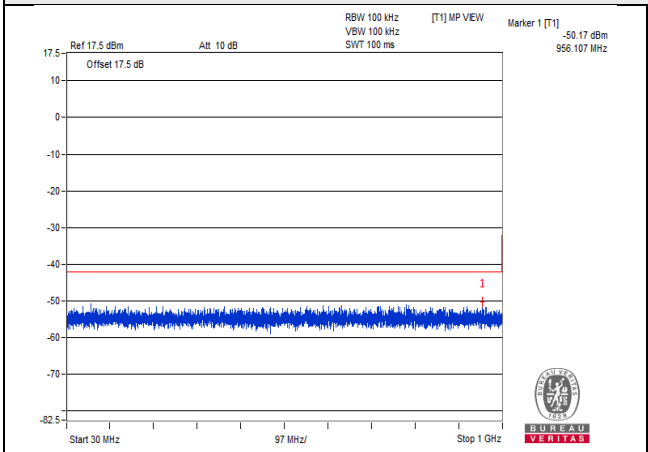
Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

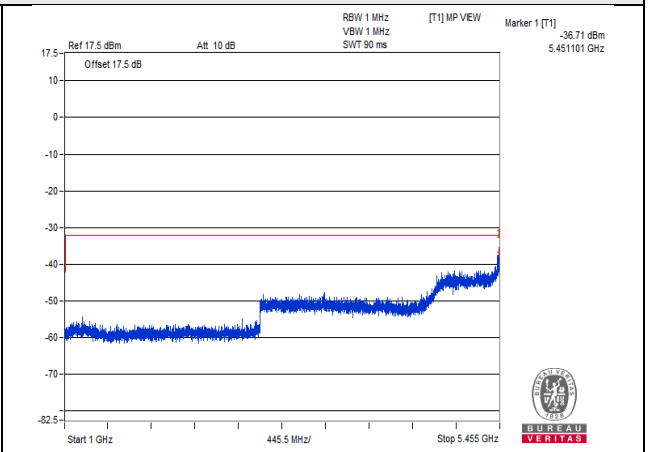
W56 Band:
802.11a
Chain 0

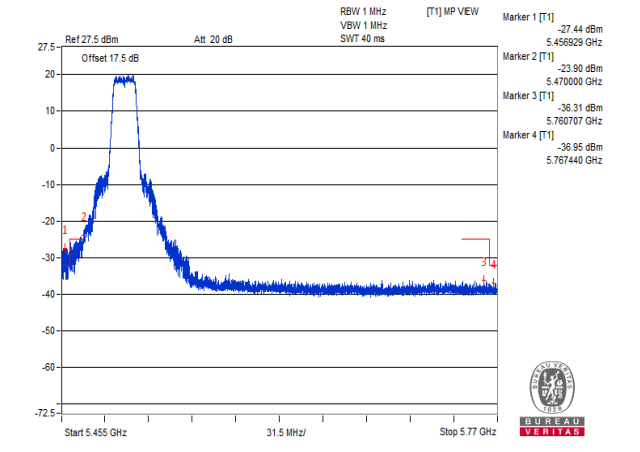
Test Channel		CH 100 (5500MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	956.107	0.009616	0.062	Pass
	1000.0 to 5455.0	5451.101	0.213304	0.625	Pass
	5455.0 to 5460.0	5456.929	0.014947	0.625	Pass(1)
	5460.0 to 5470.0	5470.000	0.060592	3.125	Pass(2)
	5745.0 to 5765.0	5760.707	0.233884	3.125	Pass
	5765.0 to 5770.0	5767.440	0.201837	0.625	Pass
	5770.0 to 26000.0	25625.745	0.063826	0.625	Pass
Test Channel		**CH 120 (5600MHz)**			
V_{normal}	30.0 to 1000.0	560.226	0.009247	0.062	Pass
	1000.0 to 5455.0	5443.862	0.063533	0.625	Pass
	5455.0 to 5460.0	5459.646	0.178238	0.625	Pass
	5460.0 to 5470.0	5467.088	0.270396	3.125	Pass
	5745.0 to 5765.0	5760.825	0.258821	3.125	Pass
	5765.0 to 5770.0	5765.078	0.185353	0.625	Pass
	5770.0 to 26000.0	5785.172	0.089536	0.625	Pass
Test Channel		**CH 140 (5700MHz)**			
V_{normal}	30.0 to 1000.0	302.327	0.008241	0.062	Pass
	1000.0 to 5455.0	5443.305	0.067608	0.625	Pass
	5455.0 to 5460.0	5455.630	0.145211	0.625	Pass
	5460.0 to 5470.0	5462.953	0.162181	3.125	Pass
	5745.0 to 5765.0	5745.941	2.471724	3.125	Pass
	5765.0 to 5770.0	5766.574	0.422669	0.625	Pass
	5770.0 to 26000.0	5775.057	0.399025	0.625	Pass

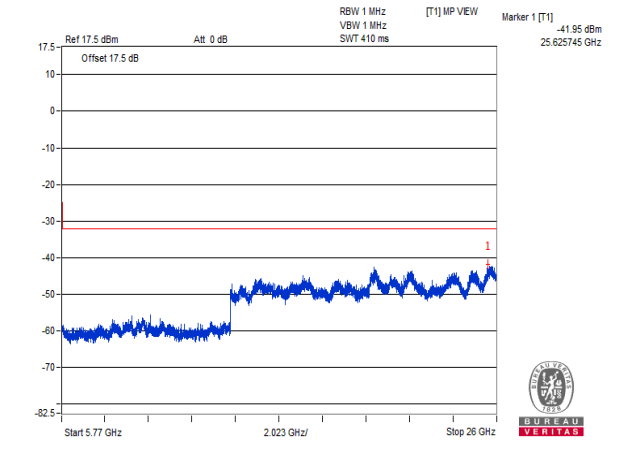
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



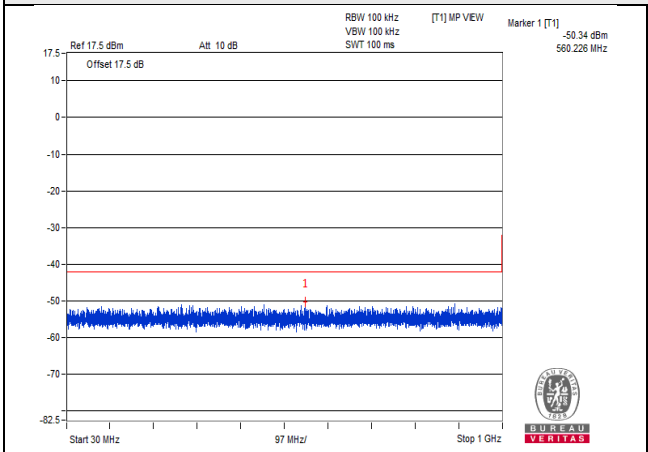


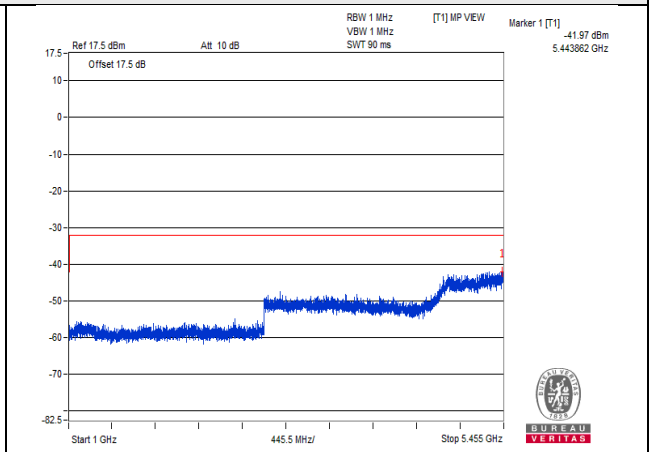


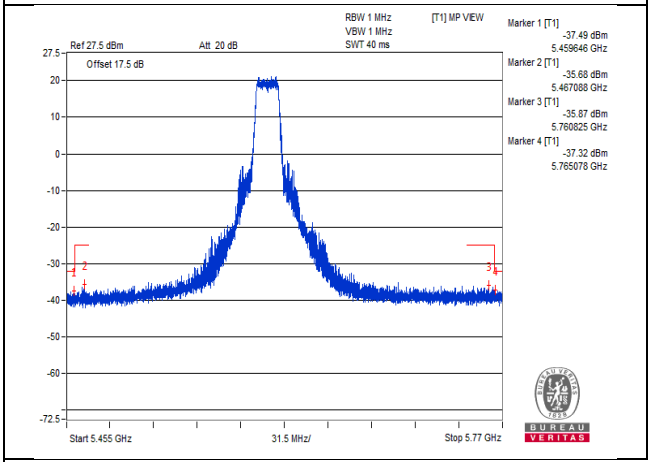


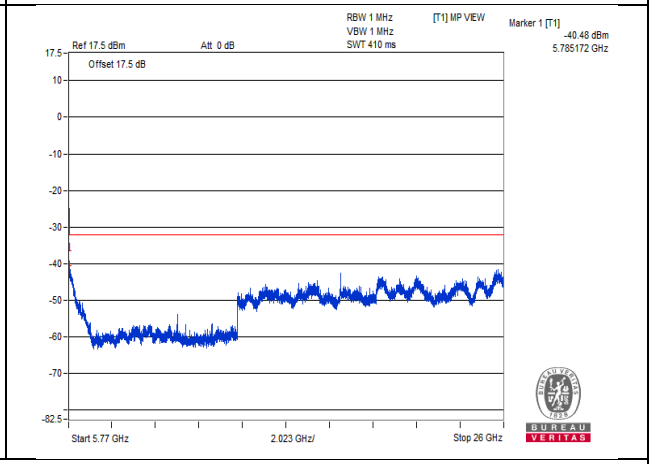
CH 100 (5500MHz)

Vnormal



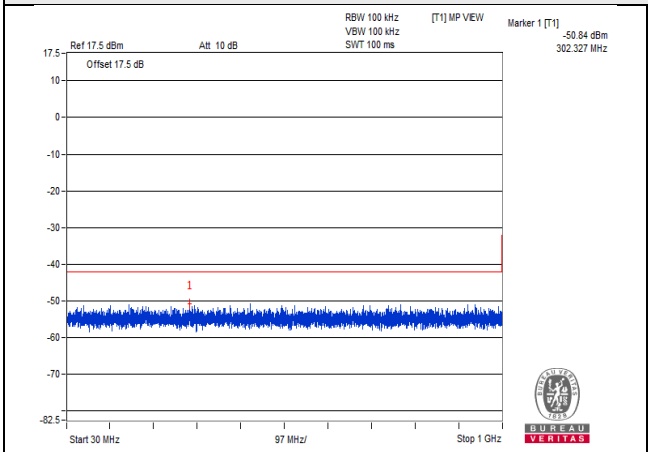


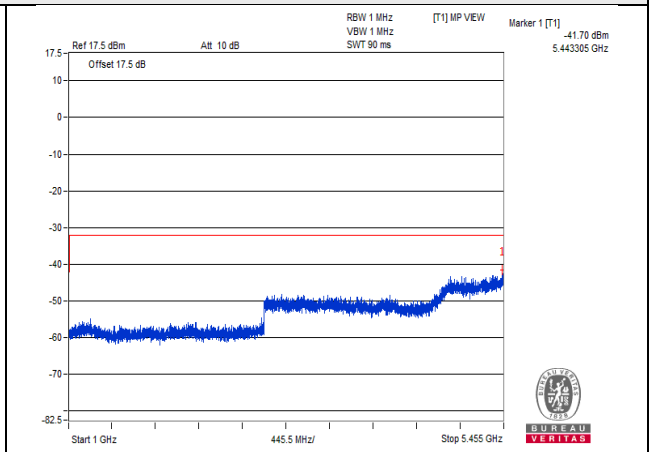


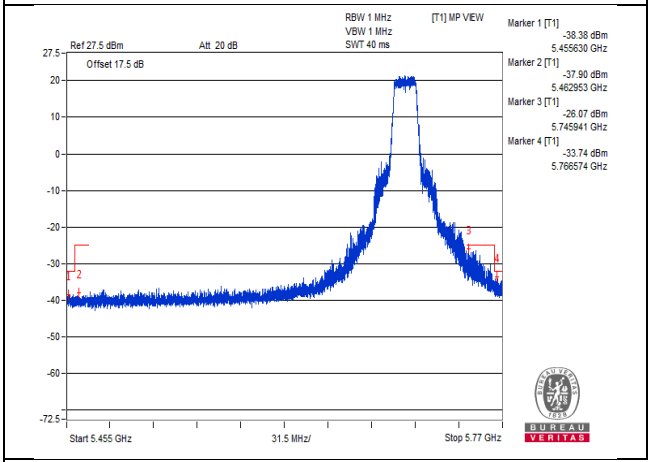


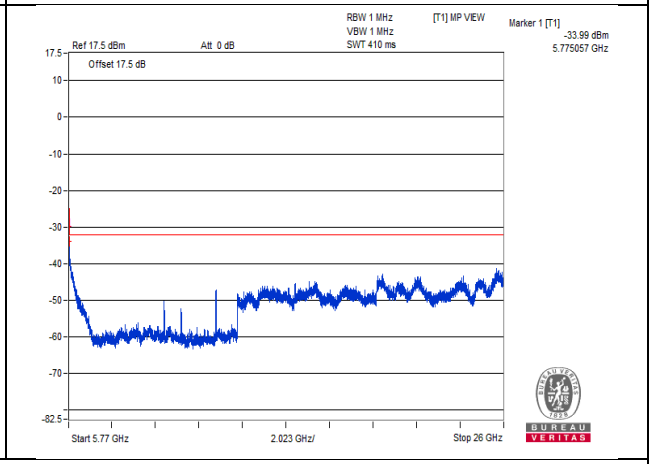
CH 120 (5600MHz)

Vnormal





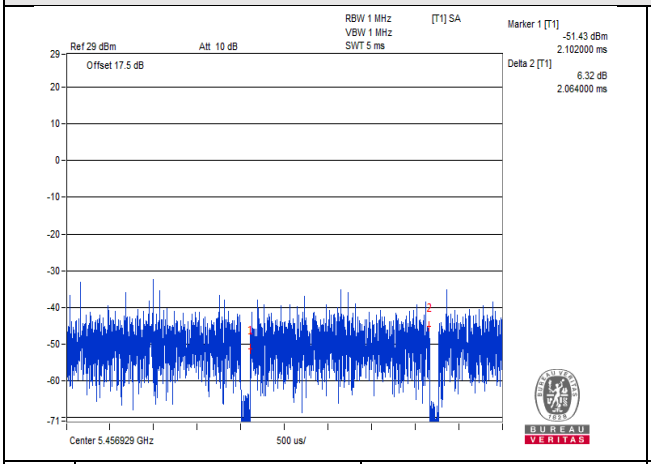




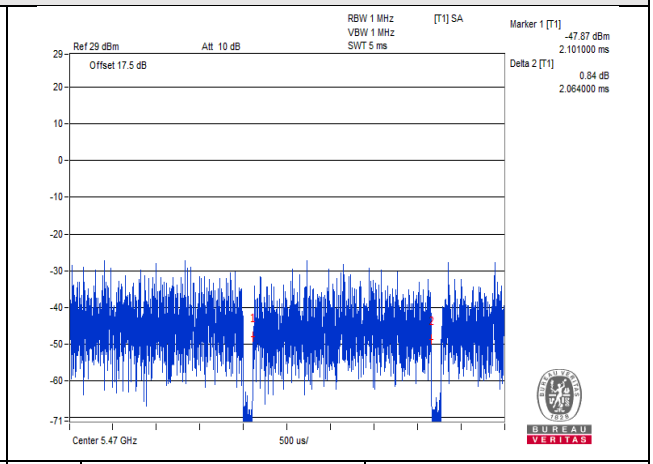
CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal



1	5456.929MHz	P = 0.014947uW



2	5470.000MHz	P = 0.060592uW

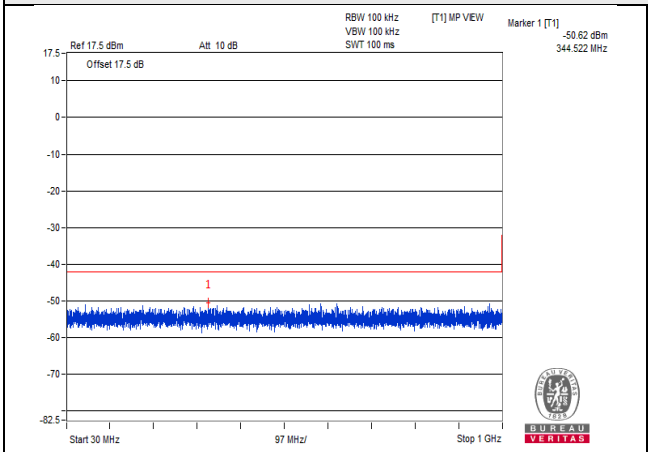
Chain 1

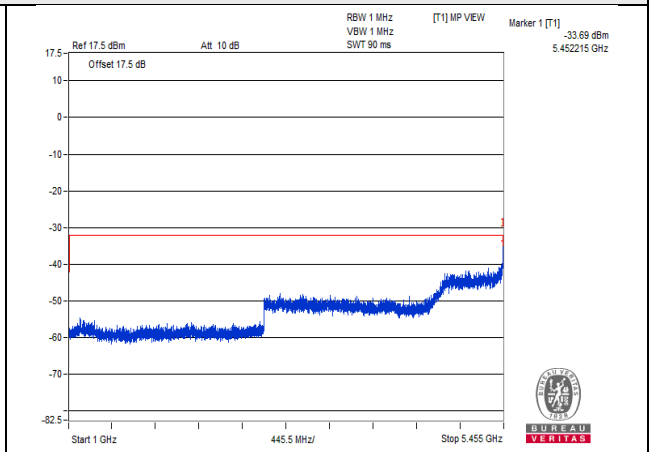
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	344.522	0.008670	0.062	Pass
	1000.0 to 5455.0	5452.215	0.427563	0.625	Pass
	5455.0 to 5460.0	5458.071	0.018545	0.625	Pass(1)
	5460.0 to 5470.0	5470.000	0.078164	3.125	Pass(2)
	5745.0 to 5765.0	5753.895	0.189234	3.125	Pass
	5765.0 to 5770.0	5766.968	0.191426	0.625	Pass
	5770.0 to 26000.0	25696.550	0.068865	0.625	Pass
Test Channel		CH 120 (5600MHz)			
V_{normal}	30.0 to 1000.0	761.865	0.008222	0.062	Pass
	1000.0 to 5455.0	5197.166	0.082604	0.625	Pass
	5455.0 to 5460.0	5458.268	0.194536	0.625	Pass
	5460.0 to 5470.0	5465.552	0.181970	3.125	Pass
	5745.0 to 5765.0	5757.124	0.255859	3.125	Pass
	5765.0 to 5770.0	5765.314	0.182390	0.625	Pass
	5770.0 to 26000.0	5770.000	0.077090	0.625	Pass
Test Channel		CH 140 (5700MHz)			
V_{normal}	30.0 to 1000.0	881.660	0.010023	0.062	Pass
	1000.0 to 5455.0	5371.468	0.051523	0.625	Pass
	5455.0 to 5460.0	5457.638	0.167109	0.625	Pass
	5460.0 to 5470.0	5469.017	0.211836	3.125	Pass
	5745.0 to 5765.0	5749.210	1.603245	3.125	Pass
	5765.0 to 5770.0	5769.606	0.493174	0.625	Pass
	5770.0 to 26000.0	5775.057	0.340408	0.625	Pass

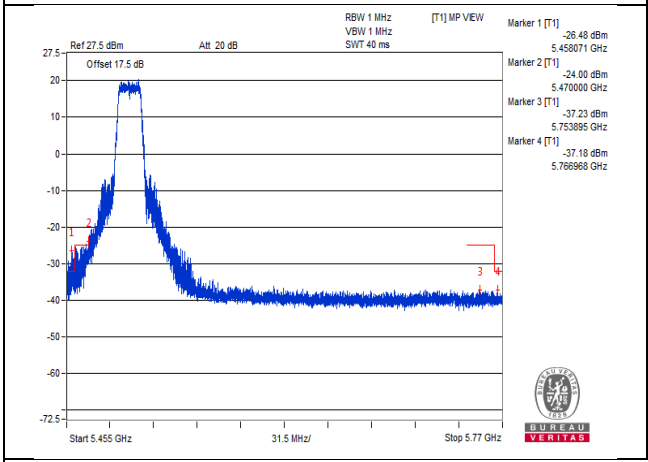
Note: 1. The spectrum plots are attached on the following pages.

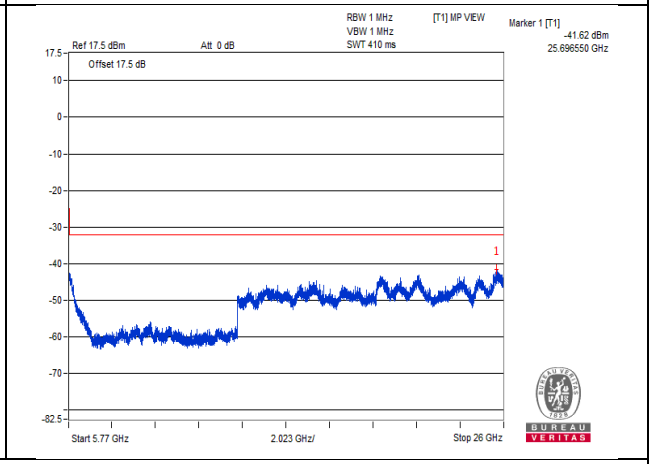
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



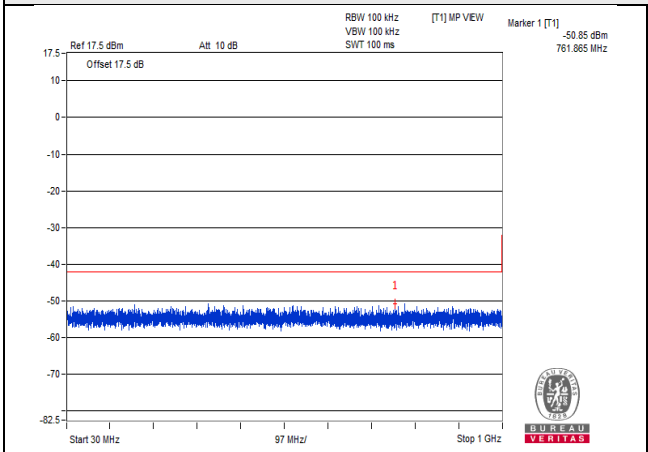


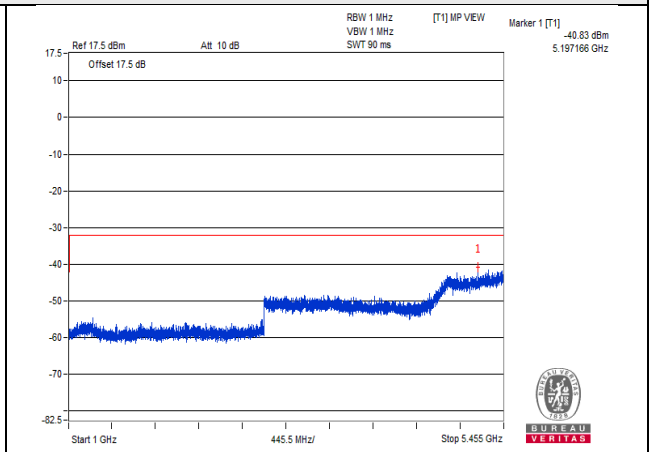


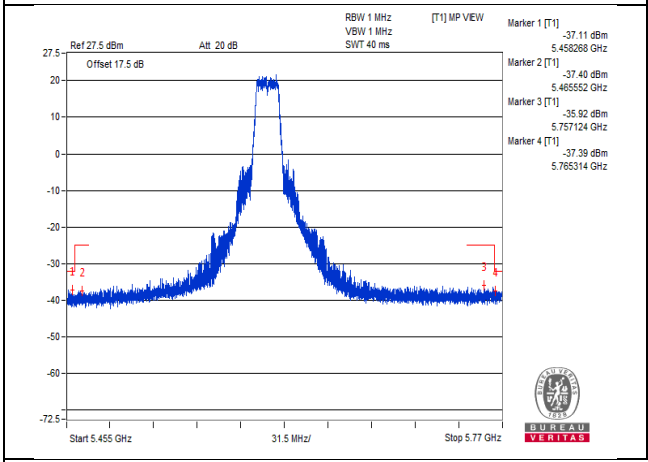


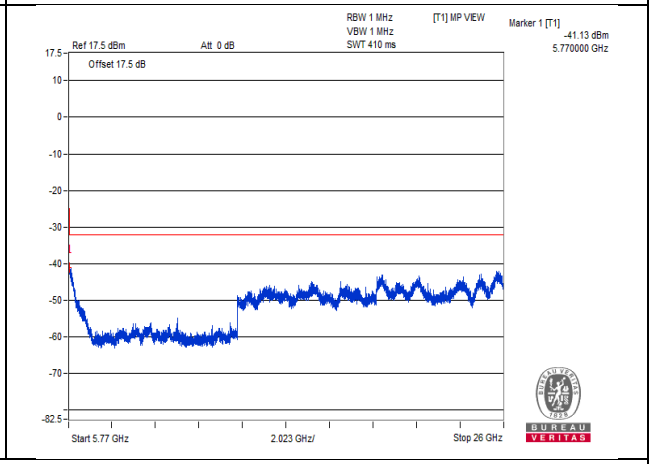
CH 100 (5500MHz)

Vnormal



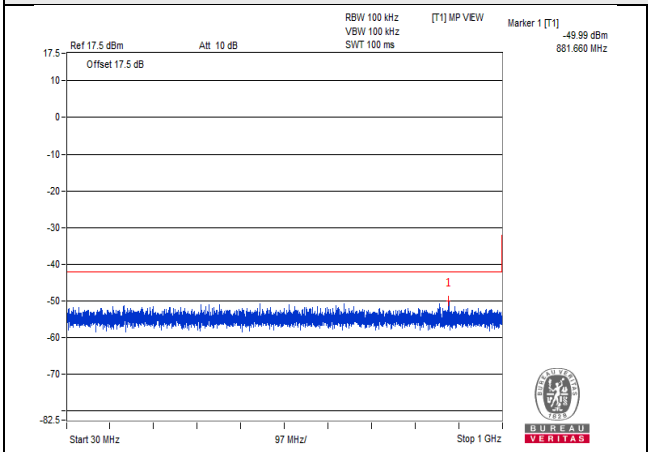


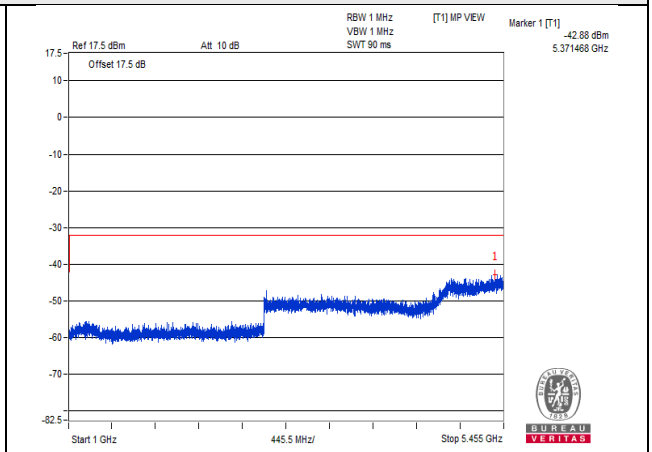


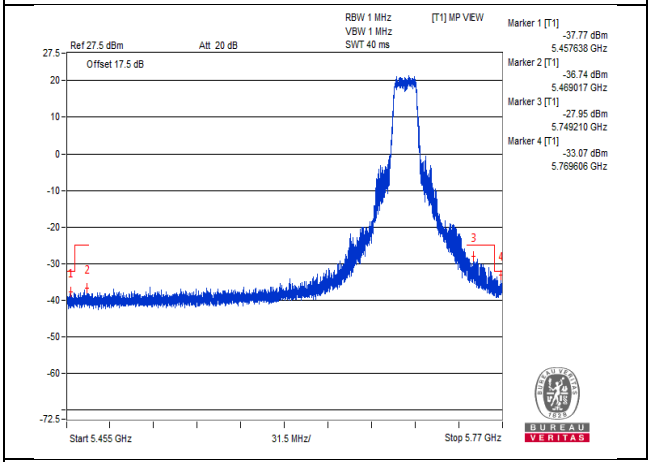


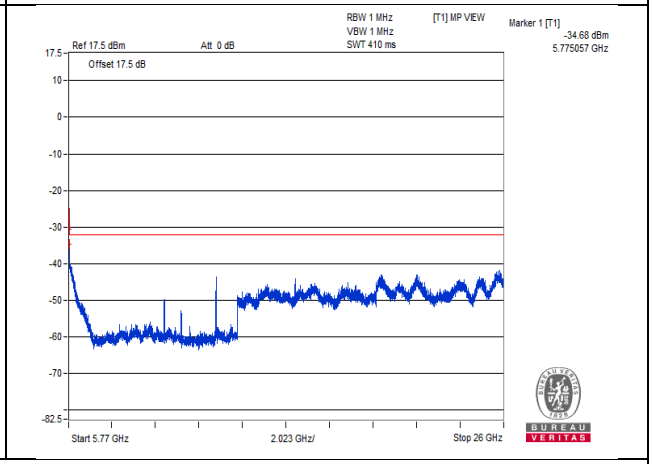
CH 120 (5600MHz)

Vnormal



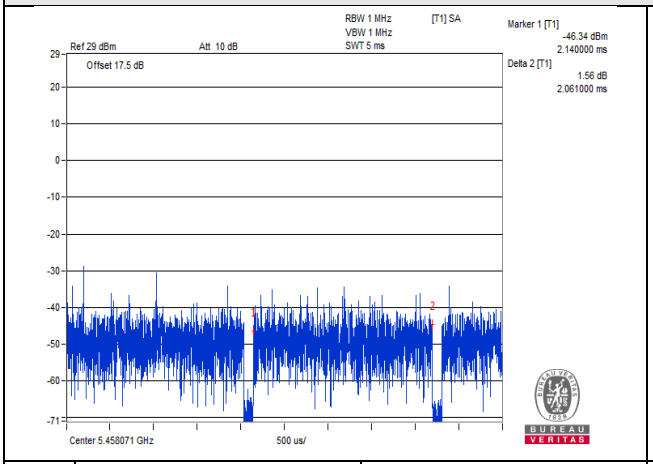


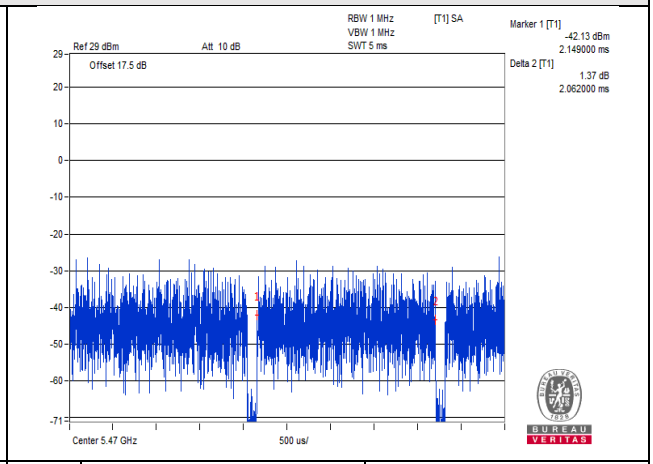




CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





1	5458.071MHz	P = 0.018545uW	2	5470.000MHz	P = 0.078164uW

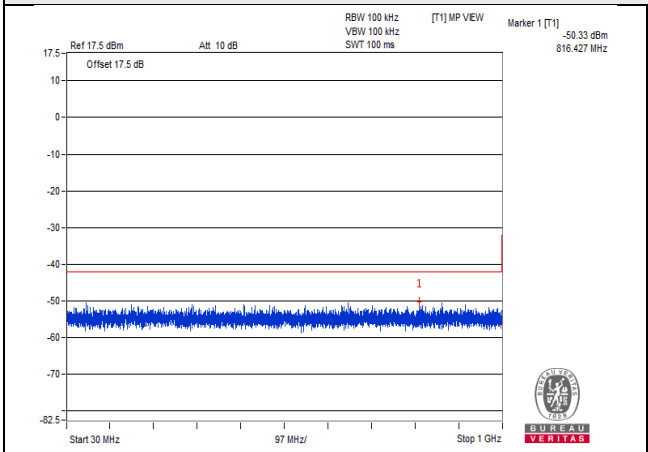
Chain 2

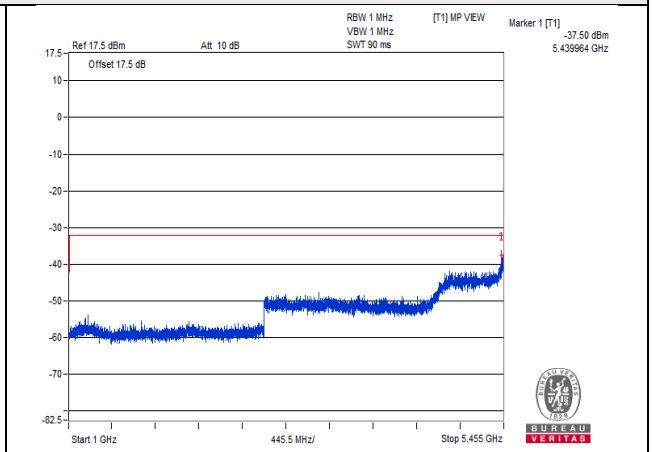
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	816.427	0.009268	0.062	Pass
	1000.0 to 5455.0	5439.964	0.177828	0.625	Pass
	5455.0 to 5460.0	5456.181	0.015684	0.625	Pass(1)
	5460.0 to 5470.0	5468.072	0.049112	3.125	Pass(2)
	5745.0 to 5765.0	5753.265	0.207014	3.125	Pass
	5765.0 to 5770.0	5768.858	0.182390	0.625	Pass
	5770.0 to 26000.0	25709.193	0.071285	0.625	Pass
Test Channel		CH 120 (5600MHz)			
V_{normal}	30.0 to 1000.0	409.876	0.009057	0.062	Pass
	1000.0 to 5455.0	5438.850	0.095499	0.625	Pass
	5455.0 to 5460.0	5458.346	0.172584	0.625	Pass
	5460.0 to 5470.0	5466.261	0.212814	3.125	Pass
	5745.0 to 5765.0	5754.565	0.271019	3.125	Pass
	5765.0 to 5770.0	5765.000	0.212814	0.625	Pass
	5770.0 to 26000.0	5810.460	0.098855	0.625	Pass
Test Channel		CH 140 (5700MHz)			
V_{normal}	30.0 to 1000.0	409.512	0.009162	0.062	Pass
	1000.0 to 5455.0	5439.964	0.053456	0.625	Pass
	5455.0 to 5460.0	5459.685	0.158125	0.625	Pass
	5460.0 to 5470.0	5469.568	0.170216	3.125	Pass
	5745.0 to 5765.0	5745.902	0.061527	3.125	Pass(3)
	5765.0 to 5770.0	5768.070	0.497737	0.625	Pass
	5770.0 to 26000.0	5770.000	0.203236	0.625	Pass

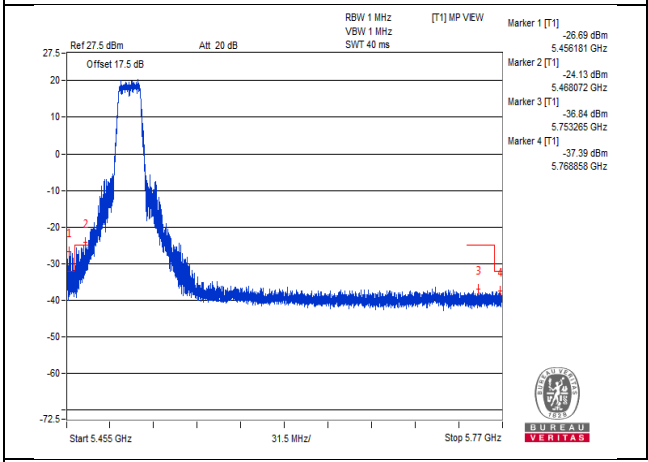
Note: 1. The spectrum plots are attached on the following pages.

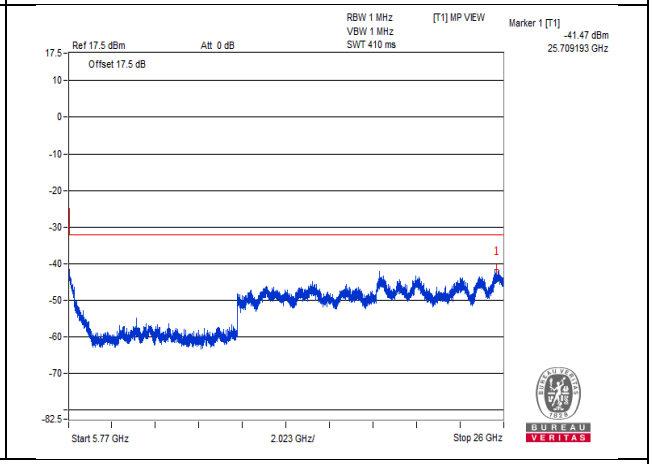
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



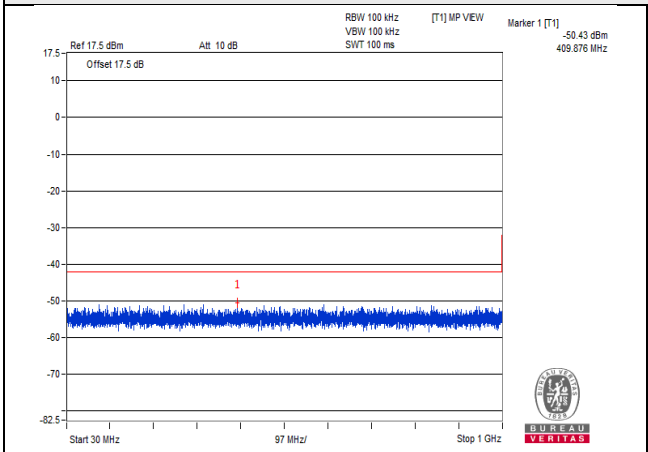


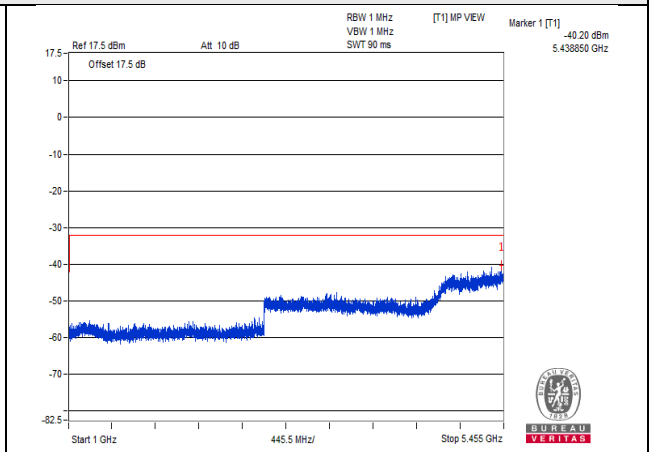


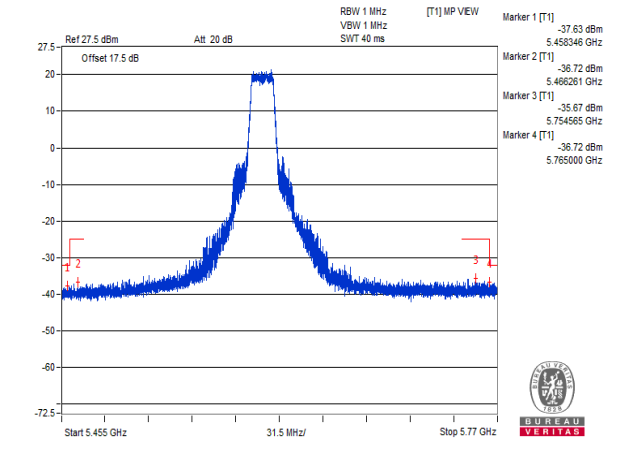


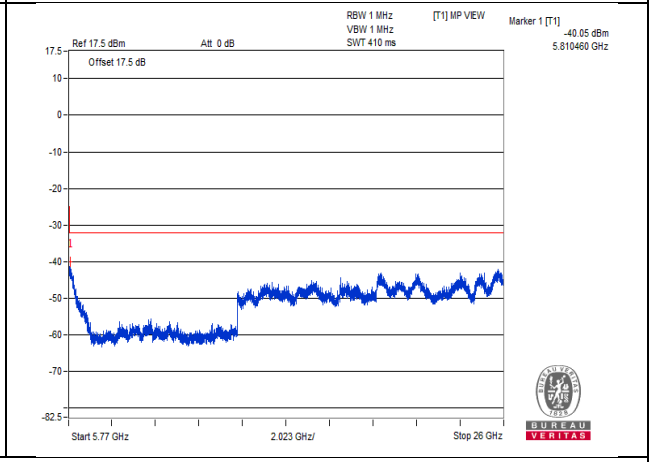
CH 100 (5500MHz)

Vnormal



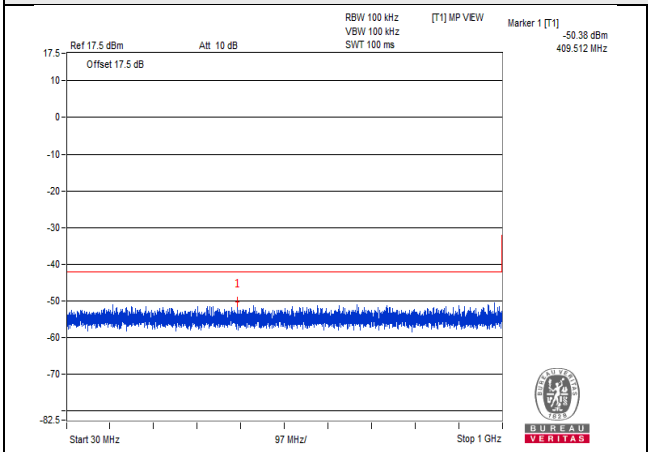


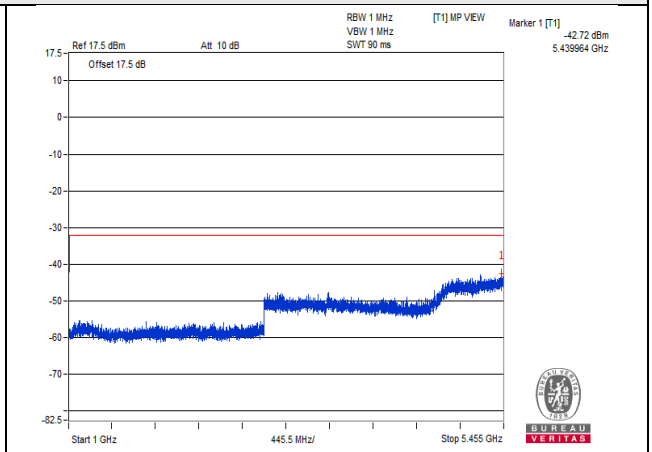


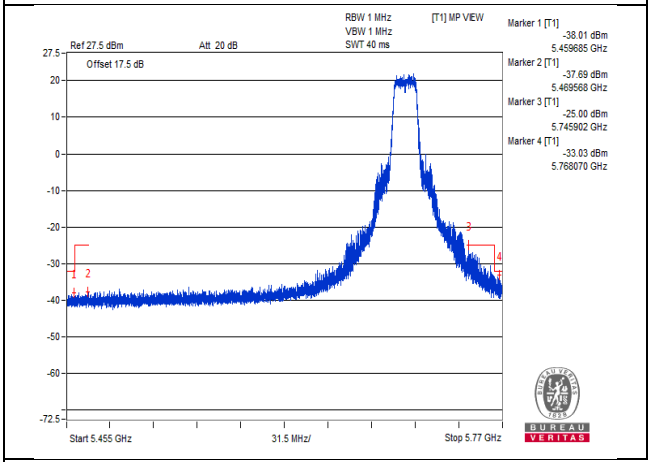


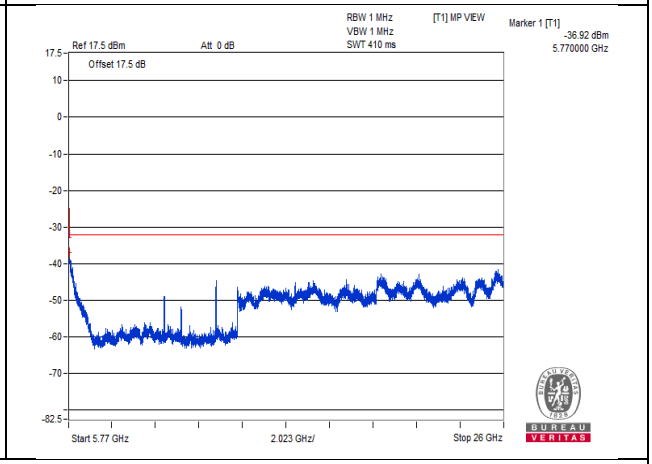
CH 120 (5600MHz)

Vnormal

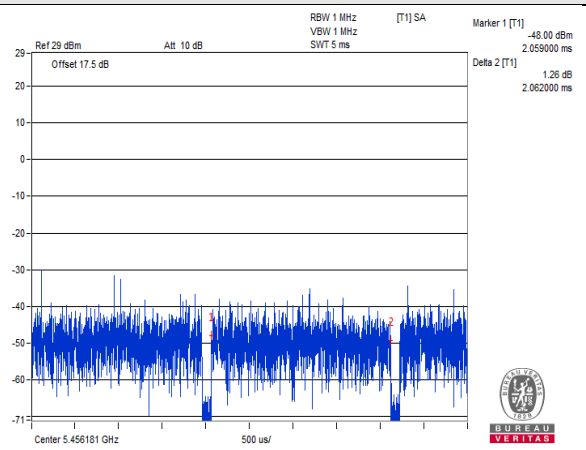
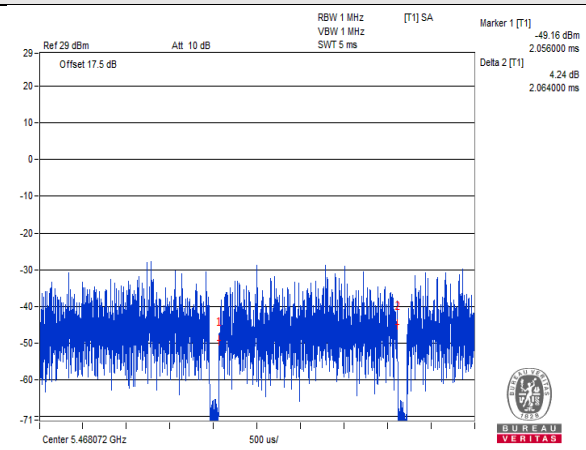
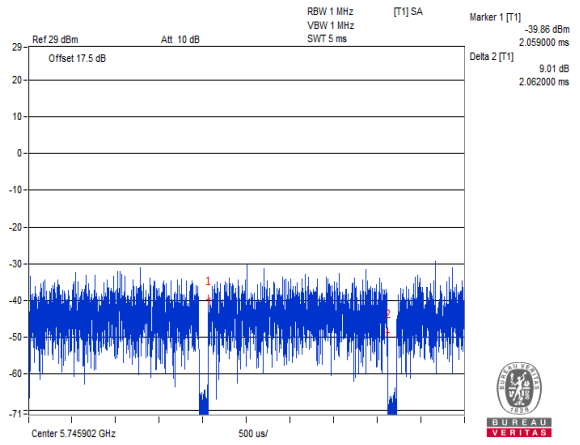








CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5456.181MHz	P = 0.015684uW	2	5468.072MHz	P = 0.049112uW
					
3	5745.902MHz	P = 0.061527uW			

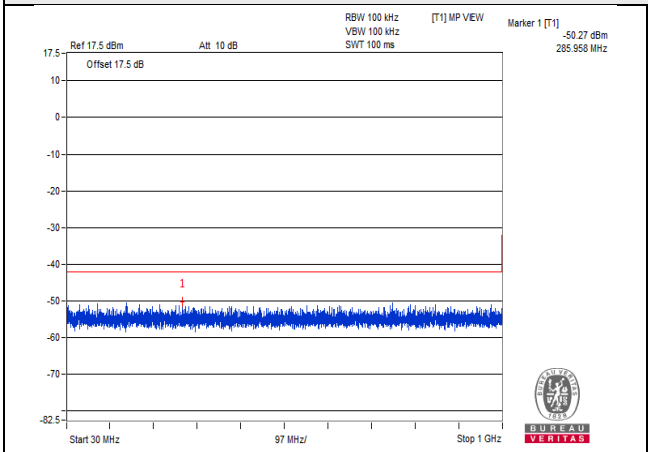
Chain 3

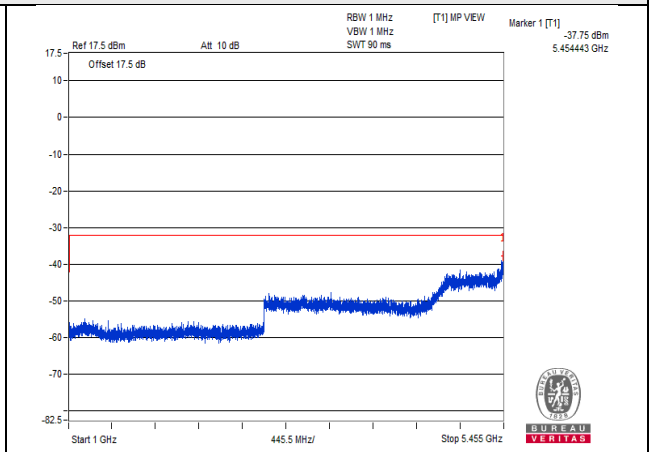
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	285.958	0.009397	0.062	Pass
	1000.0 to 5455.0	5454.443	0.167880	0.625	Pass
	5455.0 to 5460.0	5455.787	0.014580	0.625	Pass(1)
	5460.0 to 5470.0	5469.805	3.076097	3.125	Pass
	5745.0 to 5765.0	5747.674	0.214783	3.125	Pass
	5765.0 to 5770.0	5767.007	0.178238	0.625	Pass
	5770.0 to 26000.0	25714.251	0.078886	0.625	Pass
Test Channel		**CH 120 (5600MHz)**			
V_{normal}	30.0 to 1000.0	47.945	0.008375	0.062	Pass
	1000.0 to 5455.0	5410.450	0.061094	0.625	Pass
	5455.0 to 5460.0	5455.748	0.151356	0.625	Pass
	5460.0 to 5470.0	5465.158	0.195884	3.125	Pass
	5745.0 to 5765.0	5764.133	0.226986	3.125	Pass
	5765.0 to 5770.0	5769.960	0.170608	0.625	Pass
	5770.0 to 26000.0	5787.701	0.091411	0.625	Pass
Test Channel		**CH 140 (5700MHz)**			
V_{normal}	30.0 to 1000.0	680.263	0.009226	0.062	Pass
	1000.0 to 5455.0	5429.940	0.050816	0.625	Pass
	5455.0 to 5460.0	5459.134	0.136144	0.625	Pass
	5460.0 to 5470.0	5462.835	0.145211	3.125	Pass
	5745.0 to 5765.0	5746.414	1.857804	3.125	Pass
	5765.0 to 5770.0	5766.692	0.438531	0.625	Pass
	5770.0 to 26000.0	5772.528	0.156315	0.625	Pass

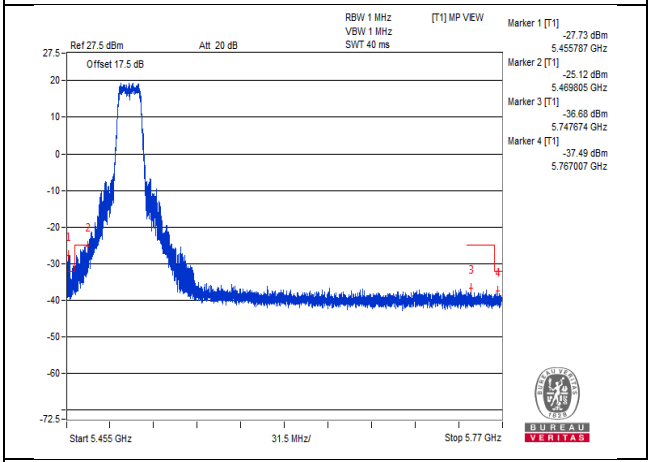
Note: 1. The spectrum plots are attached on the following pages.

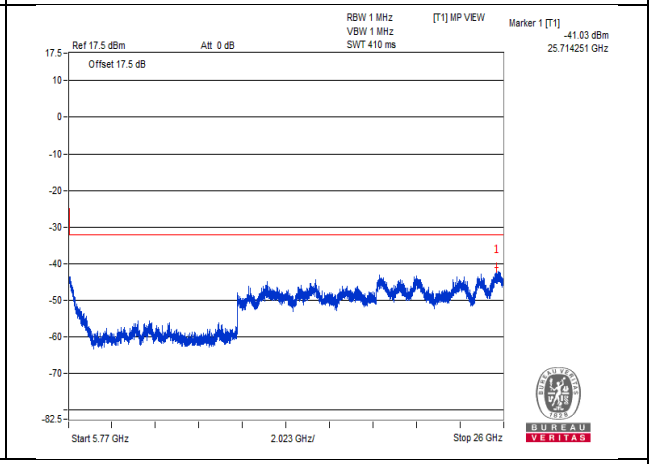
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



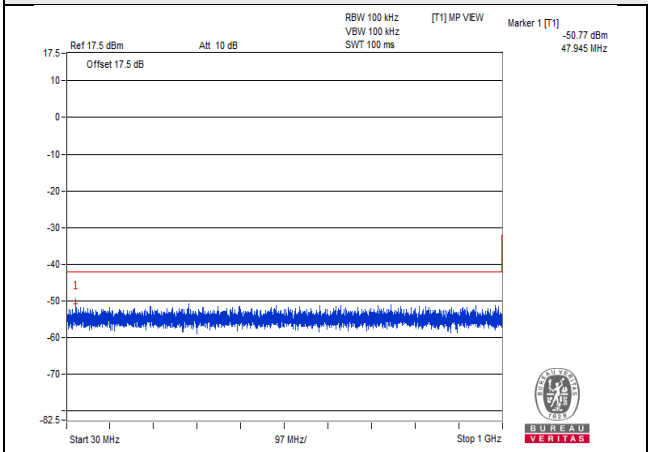


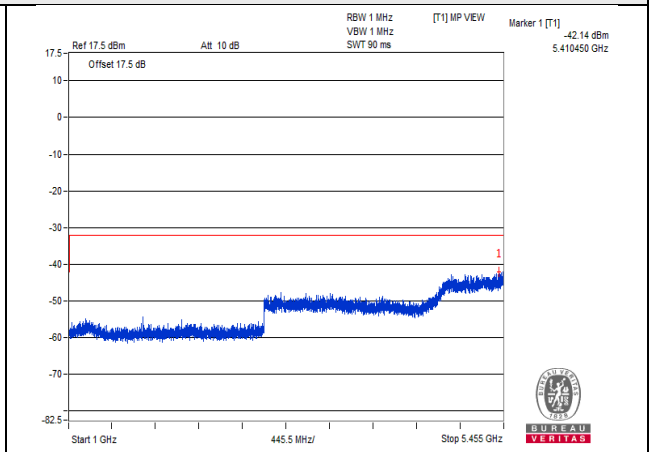


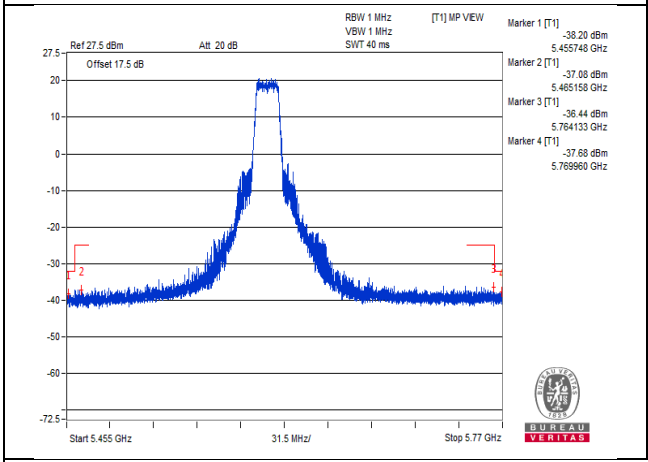


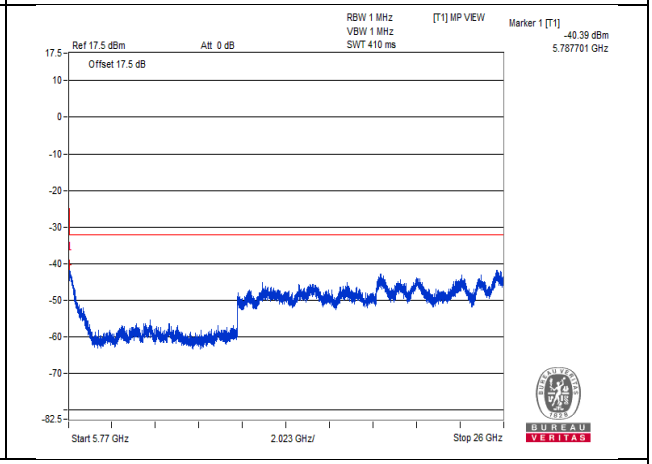
CH 100 (5500MHz)

Vnormal



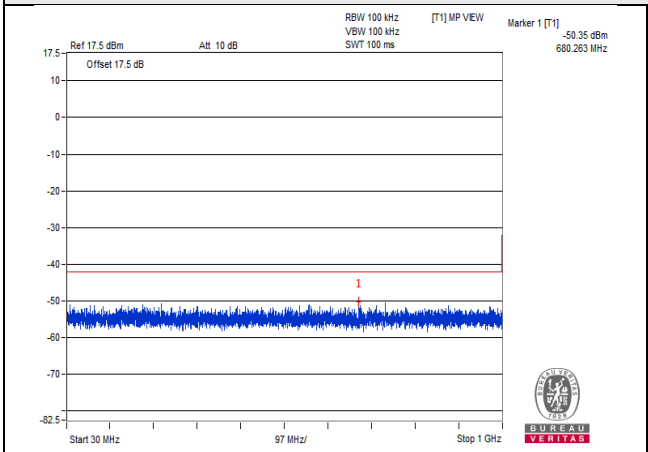


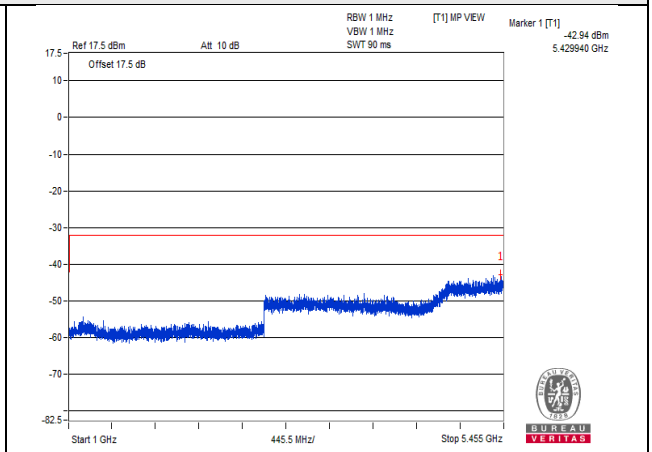


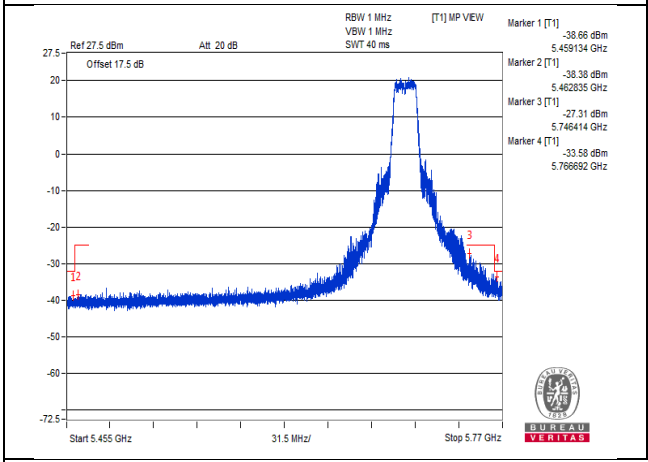


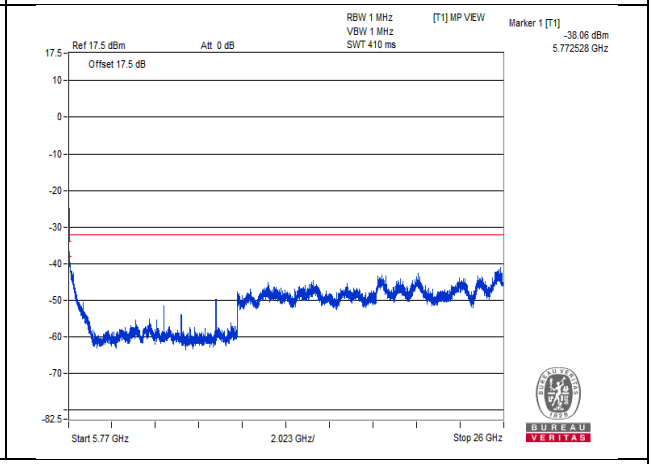
CH 120 (5600MHz)

Vnormal

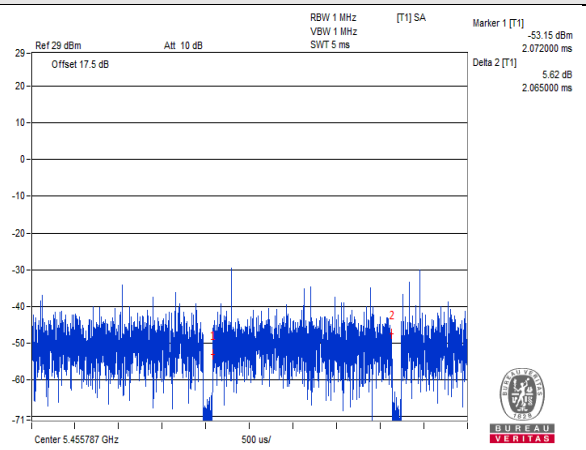








CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5455.787MHz	P = 0.01458uW			

[Worst result] x [Number of antenna ports]

Test Channel		CH 100 (5500MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.038464	0.248	Pass
	1000.0 to 5455.0	1.710252	2.5	Pass
	5455.0 to 5460.0	0.074180	2.5	Pass
	5460.0 to 5470.0	12.304388	12.5	Pass
	5745.0 to 5765.0	0.935536	12.5	Pass
	5765.0 to 5770.0	0.807348	2.5	Pass
	5770.0 to 26000.0	0.315544	2.5	Pass
Test Channel		**CH 120 (5600MHz)**		
V_{normal}	30.0 to 1000.0	0.036988	0.248	Pass
	1000.0 to 5455.0	0.381996	2.5	Pass
	5455.0 to 5460.0	0.778144	2.5	Pass
	5460.0 to 5470.0	1.081584	12.5	Pass
	5745.0 to 5765.0	1.084076	12.5	Pass
	5765.0 to 5770.0	0.851256	2.5	Pass
	5770.0 to 26000.0	0.395420	2.5	Pass
Test Channel		**CH 140 (5700MHz)**		
V_{normal}	30.0 to 1000.0	0.040092	0.248	Pass
	1000.0 to 5455.0	0.270432	2.5	Pass
	5455.0 to 5460.0	0.668436	2.5	Pass
	5460.0 to 5470.0	0.847344	12.5	Pass
	5745.0 to 5765.0	9.886896	12.5	Pass
	5765.0 to 5770.0	1.990948	2.5	Pass
	5770.0 to 26000.0	1.596100	2.5	Pass

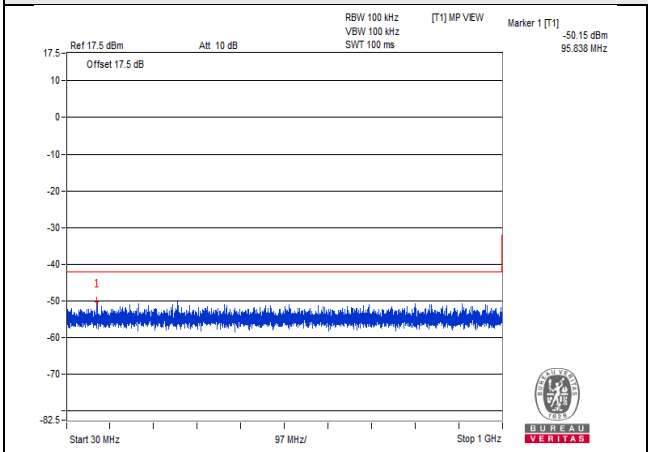
Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

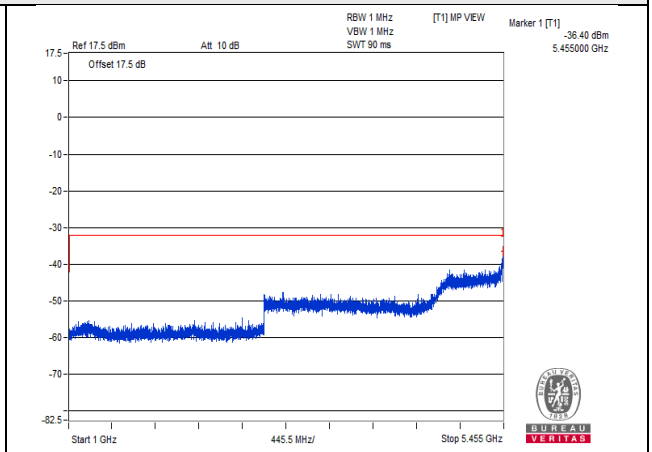
W56 Band:
802.11ac (VHT20)
Chain 0

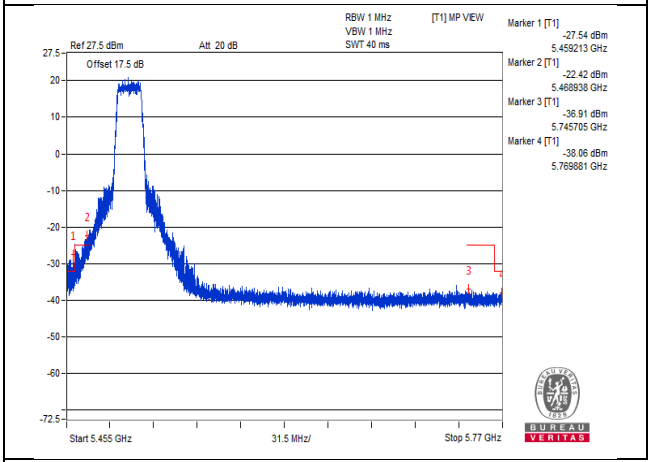
Test Channel		CH 100 (5500MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	95.838	0.009661	0.062	Pass
	1000.0 to 5455.0	5455.000	0.229087	0.625	Pass
	5455.0 to 5460.0	5459.213	0.022876	0.625	Pass(1)
	5460.0 to 5470.0	5468.938	0.100072	3.125	Pass(2)
	5745.0 to 5765.0	5745.705	0.203704	3.125	Pass
	5765.0 to 5770.0	5769.881	0.156315	0.625	Pass
	5770.0 to 26000.0	25795.171	0.062661	0.625	Pass
Test Channel		**CH 120 (5600MHz)**			
V_{normal}	30.0 to 1000.0	762.471	0.009863	0.062	Pass
	1000.0 to 5455.0	5428.826	0.054702	0.625	Pass
	5455.0 to 5460.0	5459.882	0.151705	0.625	Pass
	5460.0 to 5470.0	5468.781	0.186209	3.125	Pass
	5745.0 to 5765.0	5755.510	0.232274	3.125	Pass
	5765.0 to 5770.0	5765.590	0.216272	0.625	Pass
	5770.0 to 26000.0	5792.758	0.070632	0.625	Pass
Test Channel		**CH 140 (5700MHz)**			
V_{normal}	30.0 to 1000.0	674.686	0.009462	0.062	Pass
	1000.0 to 5455.0	5414.905	0.055847	0.625	Pass
	5455.0 to 5460.0	5459.764	0.142233	0.625	Pass
	5460.0 to 5470.0	5465.631	0.168267	3.125	Pass
	5745.0 to 5765.0	5745.548	2.182730	3.125	Pass
	5765.0 to 5770.0	5769.803	0.429536	0.625	Pass
	5770.0 to 26000.0	5777.586	0.274157	0.625	Pass

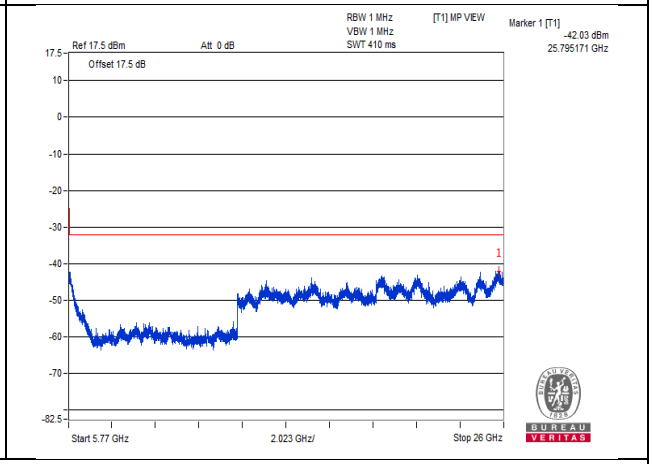
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



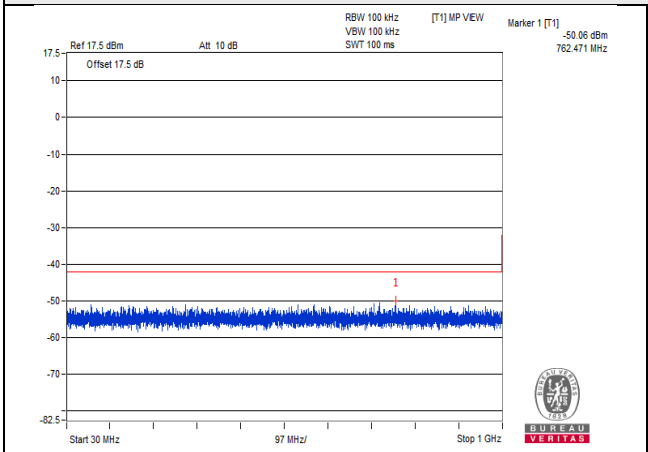


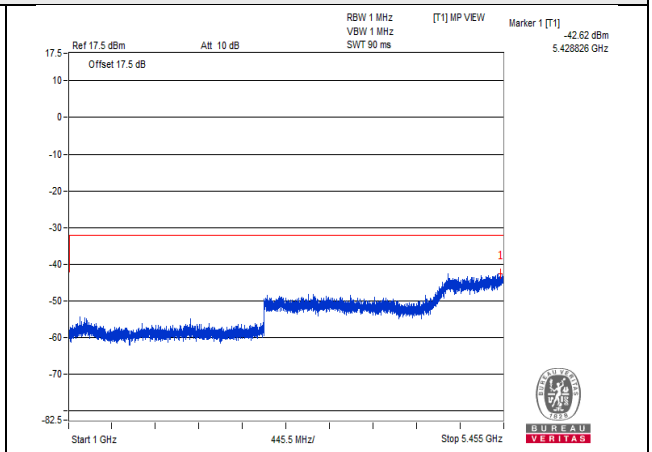


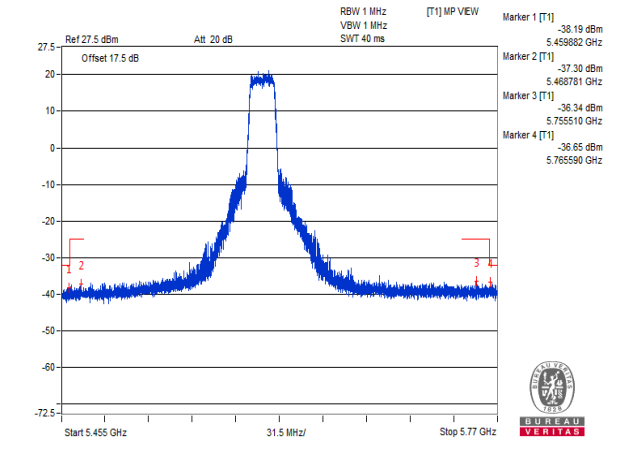


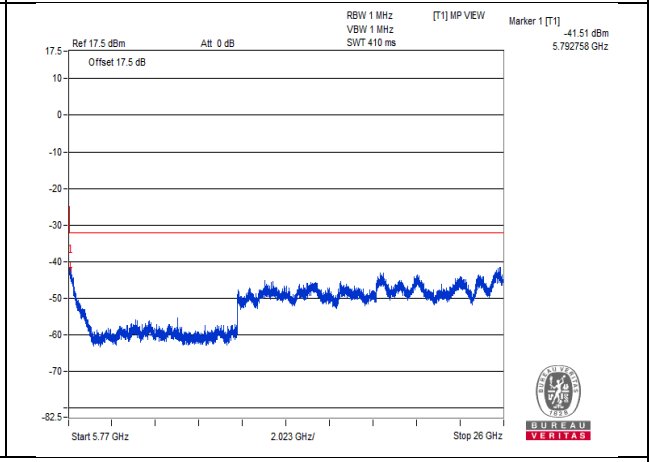
CH 100 (5500MHz)

Vnormal



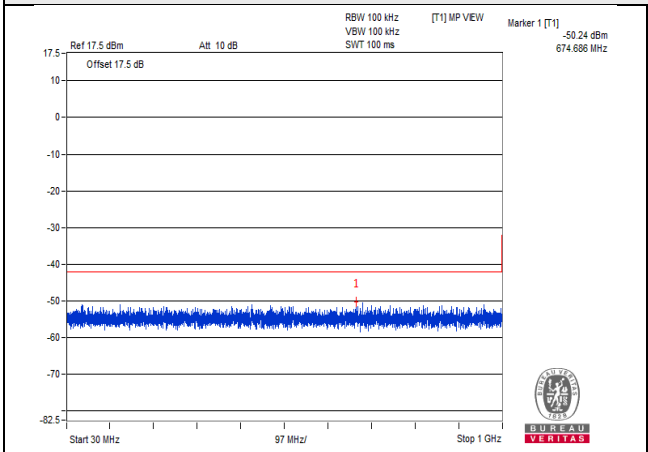


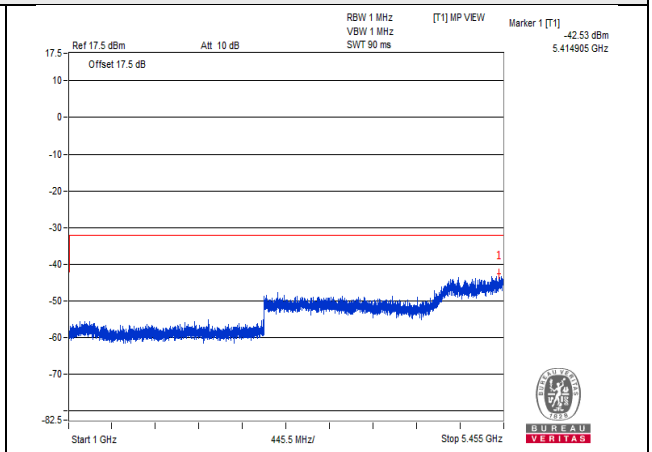


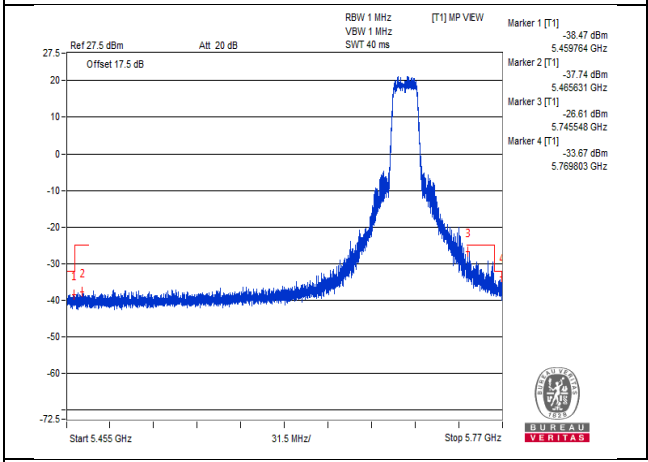


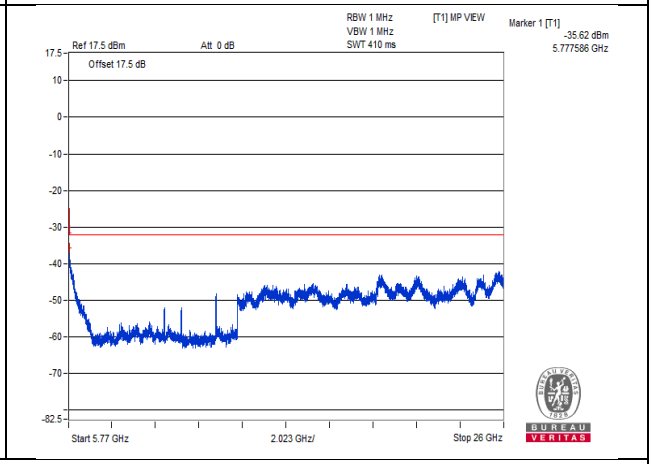
CH 120 (5600MHz)

Vnormal



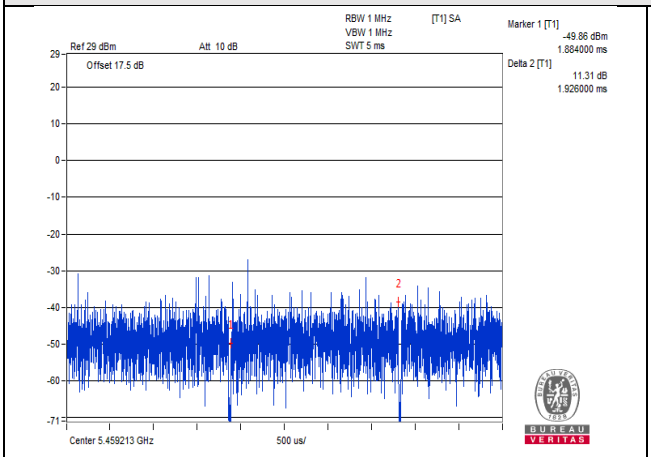


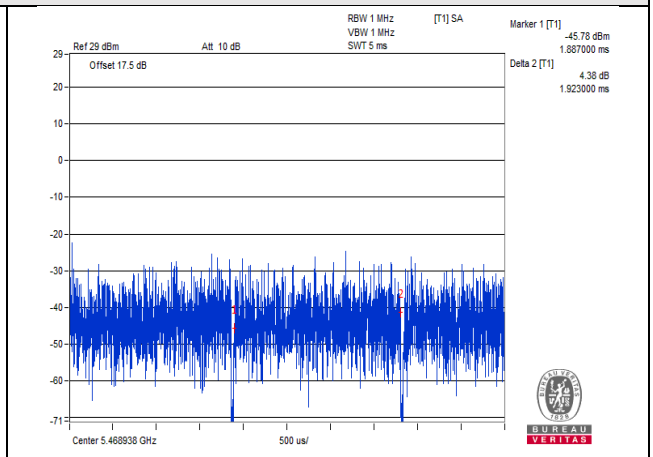




CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





1	5459.213MHz	P = 0.022876uW	2	5468.938MHz	P = 0.100072uW

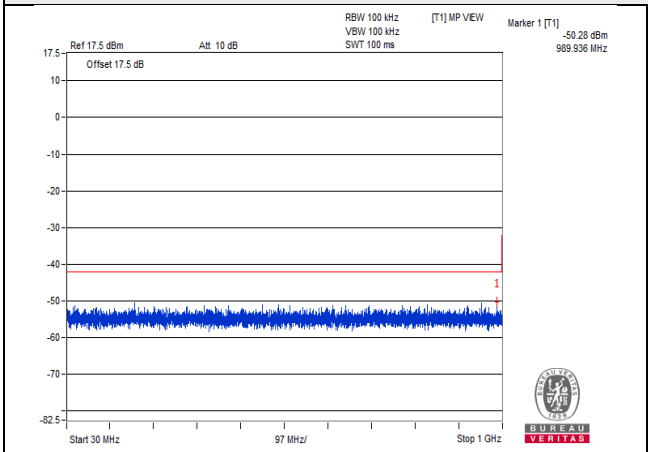
Chain 1

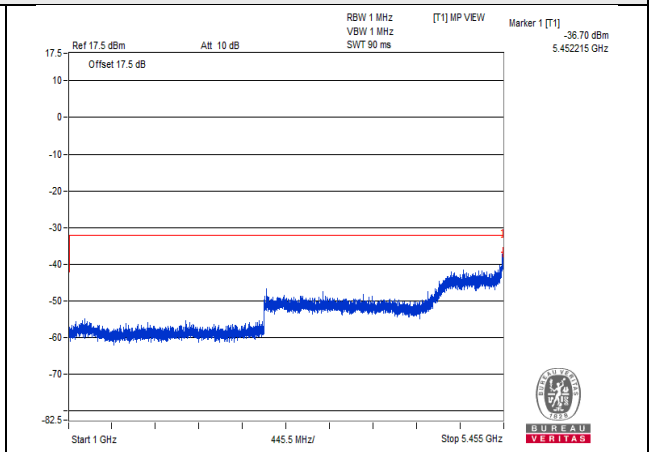
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	989.936	0.009376	0.062	Pass
	1000.0 to 5455.0	5452.215	0.213796	0.625	Pass
	5455.0 to 5460.0	5459.567	0.024834	0.625	Pass(1)
	5460.0 to 5470.0	5469.017	0.102716	3.125	Pass(2)
	5745.0 to 5765.0	5757.242	0.218776	3.125	Pass
	5765.0 to 5770.0	5765.078	0.181134	0.625	Pass
	5770.0 to 26000.0	25663.676	0.070469	0.625	Pass
Test Channel		CH 120 (5600MHz)			
V_{normal}	30.0 to 1000.0	348.160	0.009484	0.062	Pass
	1000.0 to 5455.0	5313.553	0.064565	0.625	Pass
	5455.0 to 5460.0	5458.937	0.195434	0.625	Pass
	5460.0 to 5470.0	5468.466	0.218776	3.125	Pass
	5745.0 to 5765.0	5756.455	0.239883	3.125	Pass
	5765.0 to 5770.0	5767.165	0.218776	0.625	Pass
	5770.0 to 26000.0	5785.172	0.090991	0.625	Pass
Test Channel		CH 140 (5700MHz)			
V_{normal}	30.0 to 1000.0	41.155	0.008670	0.062	Pass
	1000.0 to 5455.0	5371.468	0.052481	0.625	Pass
	5455.0 to 5460.0	5458.071	0.157036	0.625	Pass
	5460.0 to 5470.0	5463.347	0.168655	3.125	Pass
	5745.0 to 5765.0	5745.626	2.382319	3.125	Pass
	5765.0 to 5770.0	5768.543	0.501187	0.625	Pass
	5770.0 to 26000.0	5772.528	0.252348	0.625	Pass

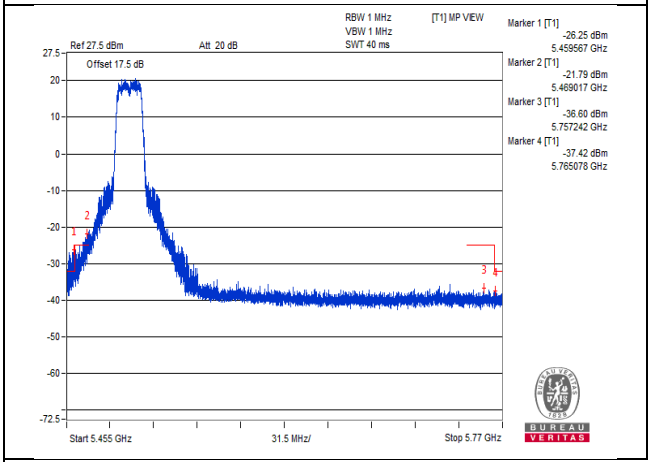
Note: 1. The spectrum plots are attached on the following pages.

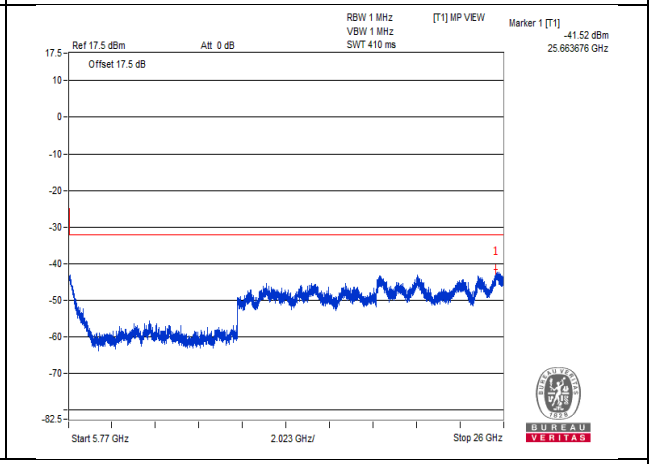
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



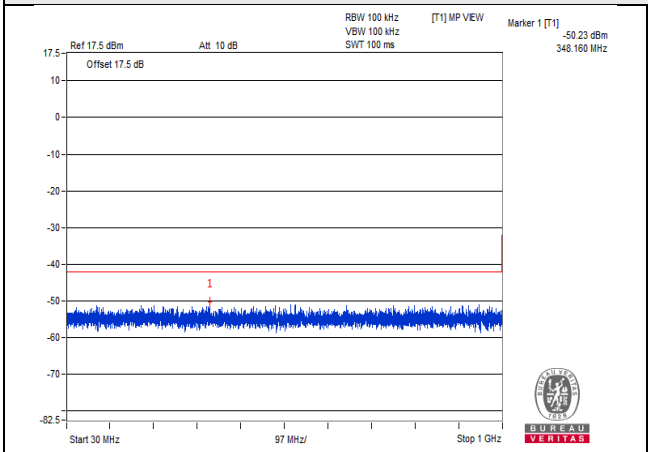


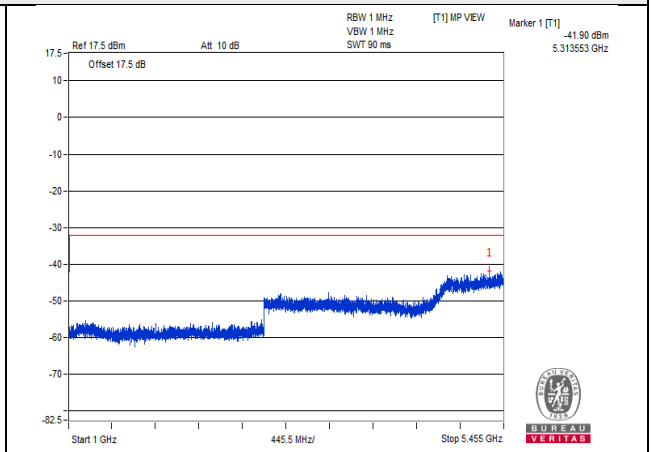


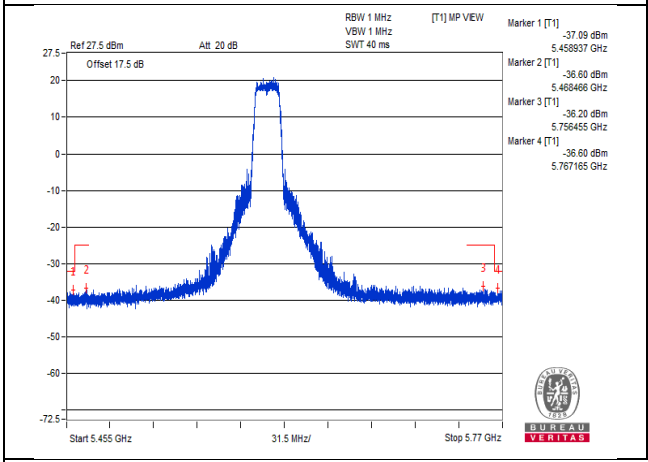


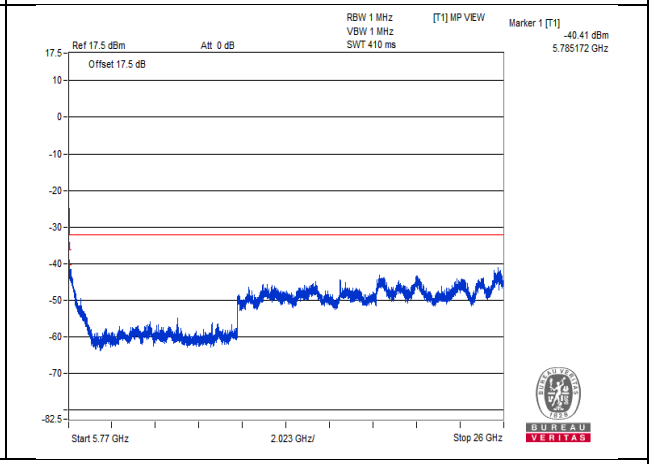
CH 100 (5500MHz)

Vnormal



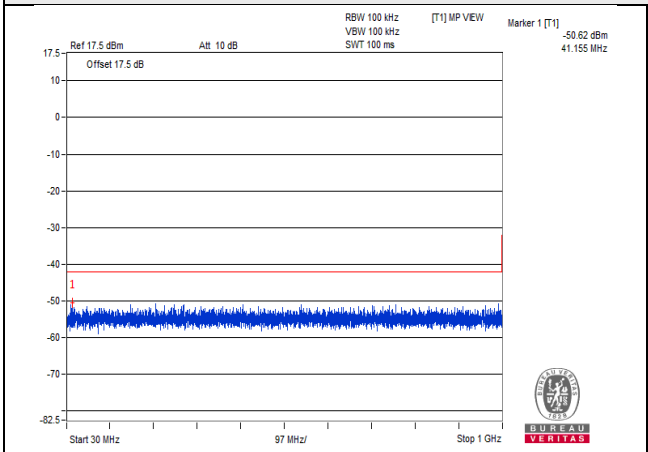


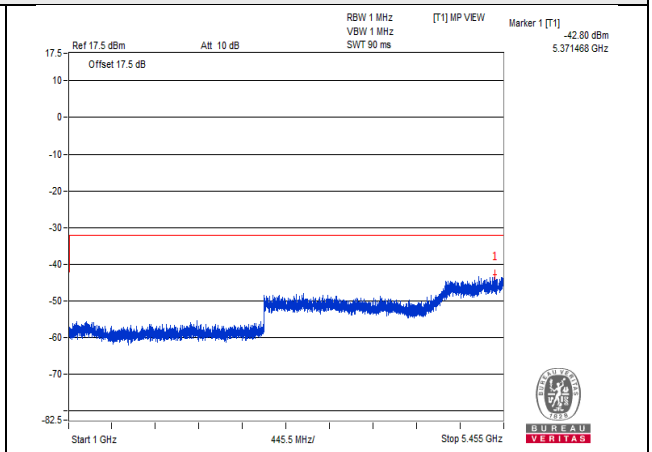


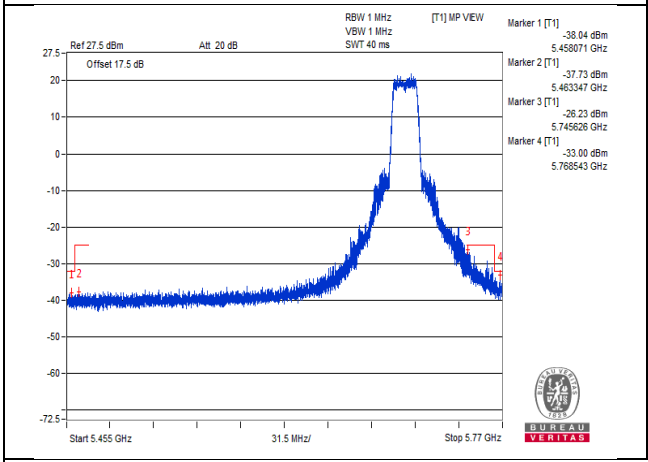


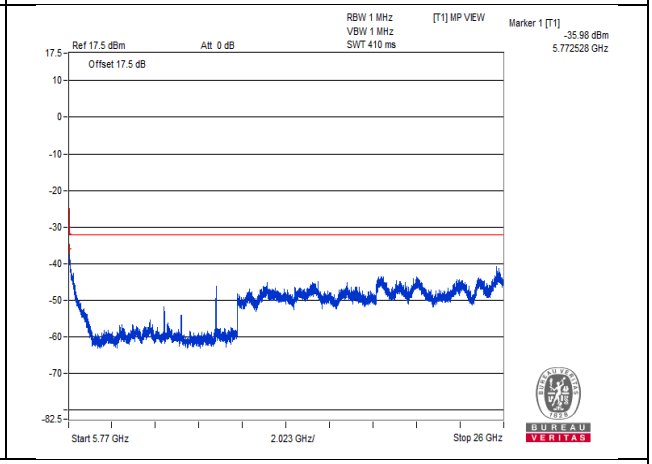
CH 120 (5600MHz)

Vnormal

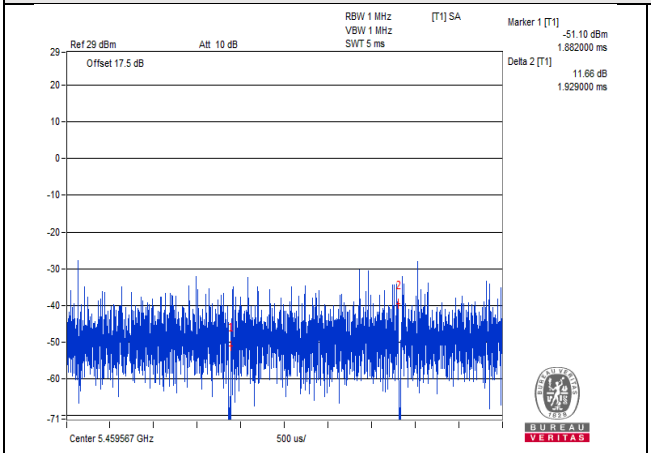
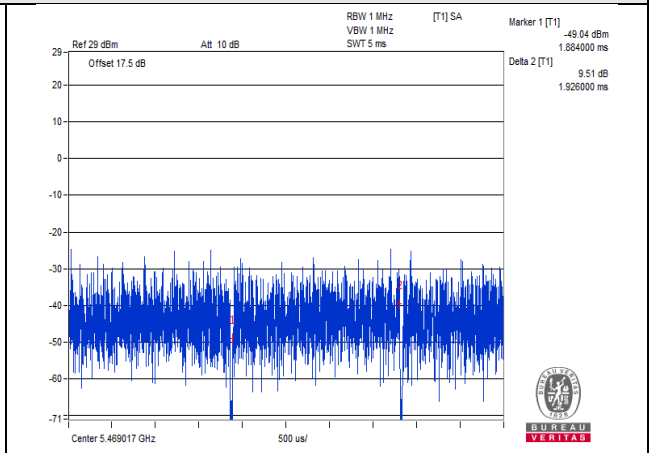








CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5459.567MHz	P = 0.024834uW	2	5469.017MHz	P = 0.102716uW

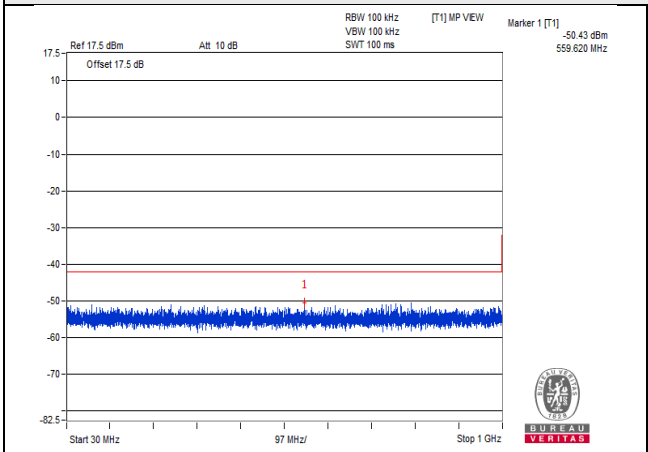
Chain 2

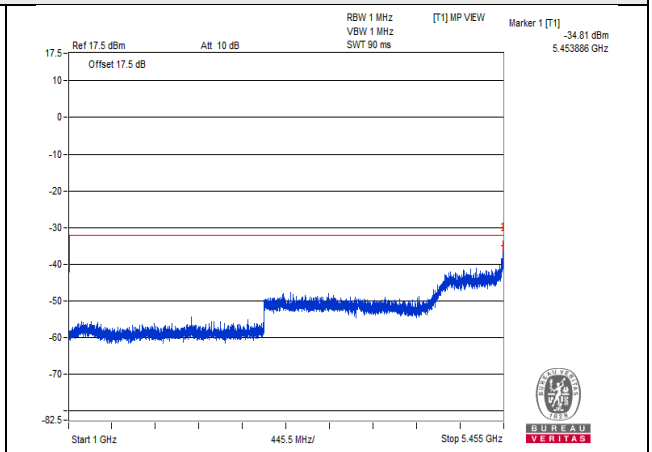
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	559.620	0.009057	0.062	Pass
	1000.0 to 5455.0	5453.886	0.330370	0.625	Pass
	5455.0 to 5460.0	5459.173	0.023580	0.625	Pass(1)
	5460.0 to 5470.0	5469.253	0.111633	3.125	Pass(2)
	5745.0 to 5765.0	5752.438	0.207014	3.125	Pass
	5765.0 to 5770.0	5767.637	0.194536	0.625	Pass
	5770.0 to 26000.0	25825.516	0.085704	0.625	Pass
Test Channel		**CH 120 (5600MHz)**			
V_{normal}	30.0 to 1000.0	716.153	0.008375	0.062	Pass
	1000.0 to 5455.0	5438.293	0.067143	0.625	Pass
	5455.0 to 5460.0	5460.000	0.153815	0.625	Pass
	5460.0 to 5470.0	5467.088	0.225944	3.125	Pass
	5745.0 to 5765.0	5759.408	0.235505	3.125	Pass
	5765.0 to 5770.0	5765.235	0.236048	0.625	Pass
	5770.0 to 26000.0	25754.711	0.082414	0.625	Pass
Test Channel		**CH 140 (5700MHz)**			
V_{normal}	30.0 to 1000.0	228.365	0.009594	0.062	Pass
	1000.0 to 5455.0	5432.725	0.057677	0.625	Pass
	5455.0 to 5460.0	5456.653	0.157398	0.625	Pass
	5460.0 to 5470.0	5467.718	0.181552	3.125	Pass
	5745.0 to 5765.0	5745.902	2.722701	3.125	Pass
	5765.0 to 5770.0	5765.629	0.432514	0.625	Pass
	5770.0 to 26000.0	5770.000	0.146893	0.625	Pass

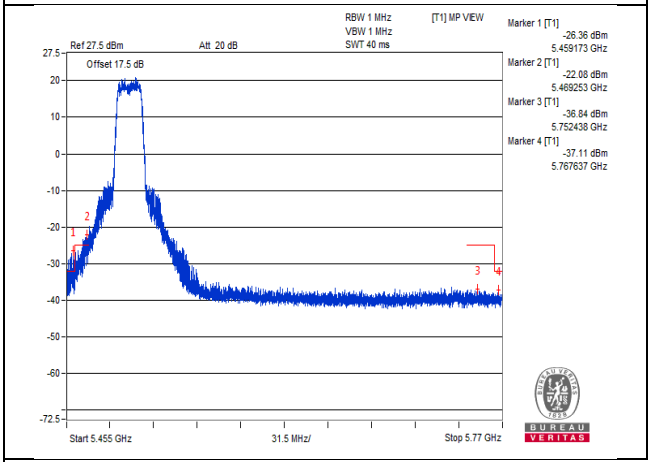
Note: 1. The spectrum plots are attached on the following pages.

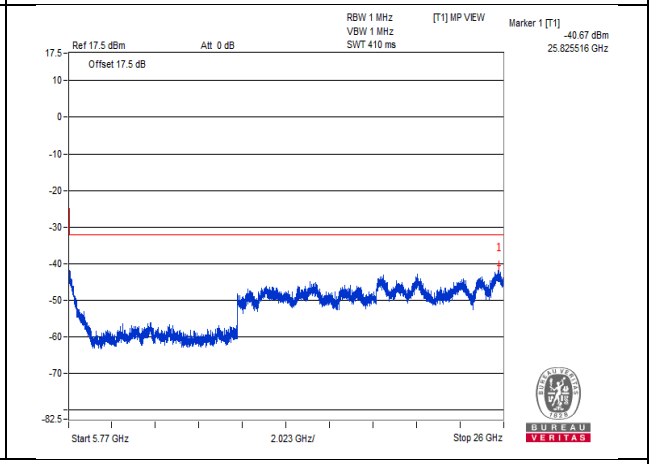
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



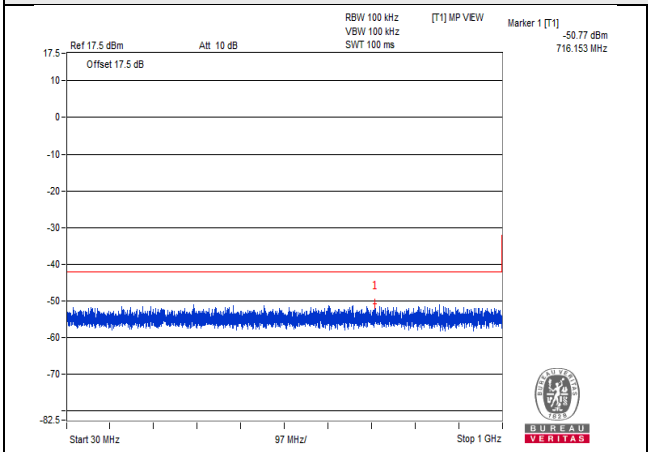


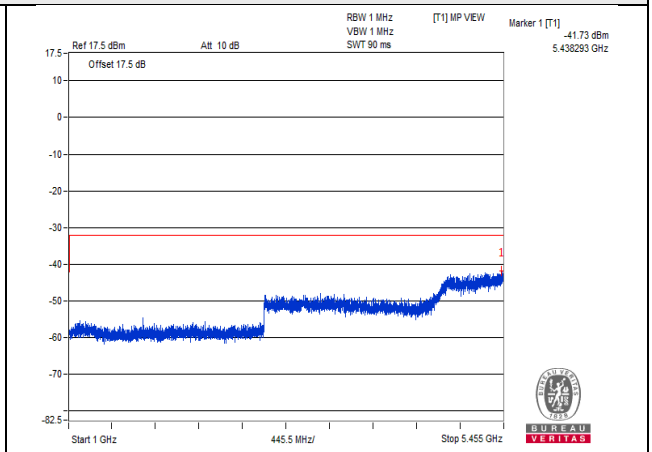


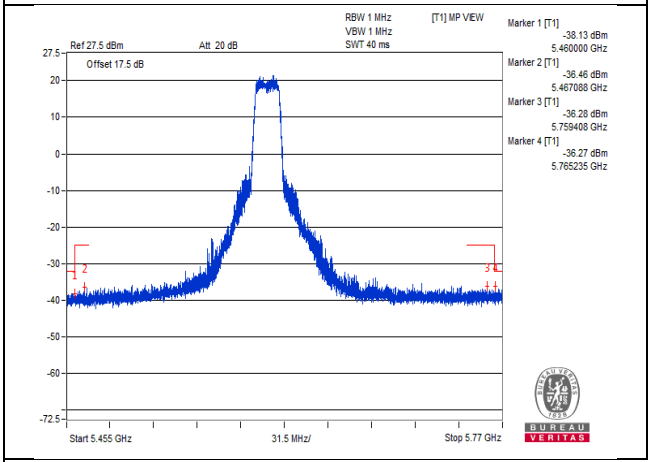


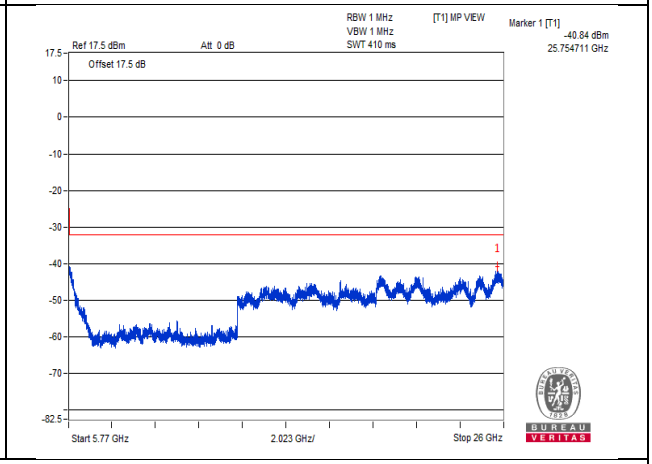
CH 100 (5500MHz)

Vnormal



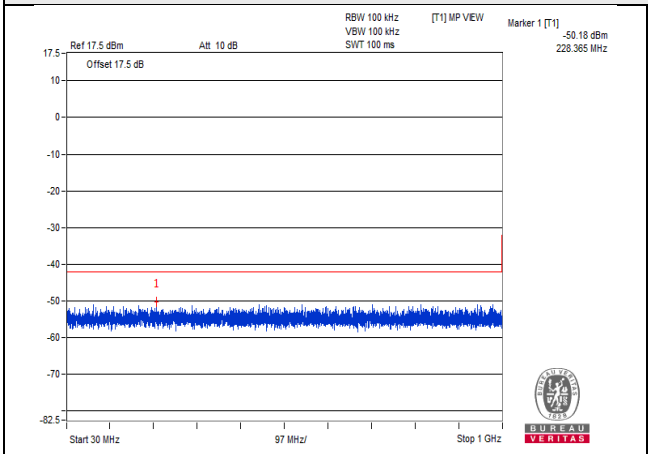


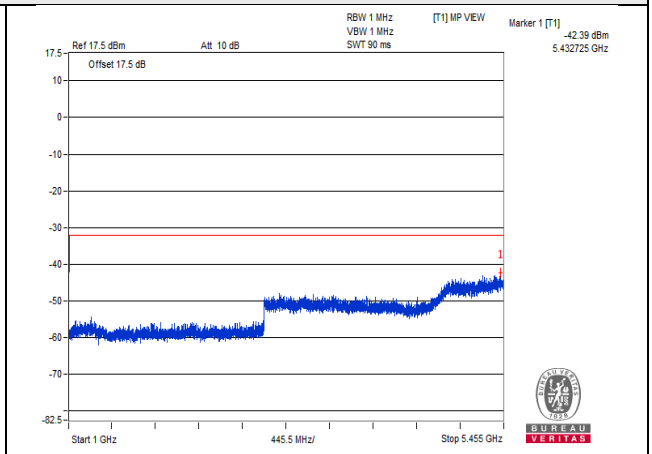


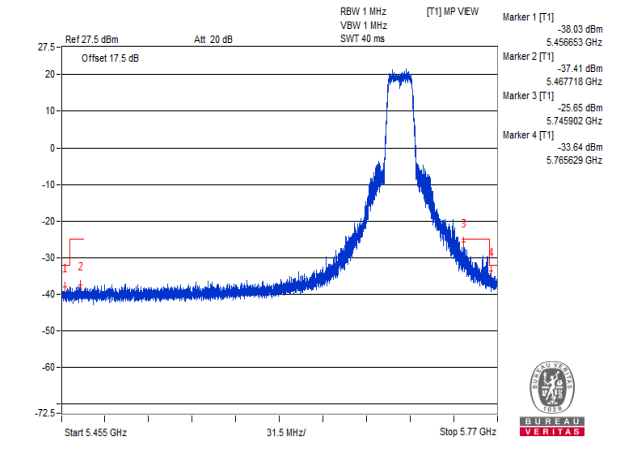


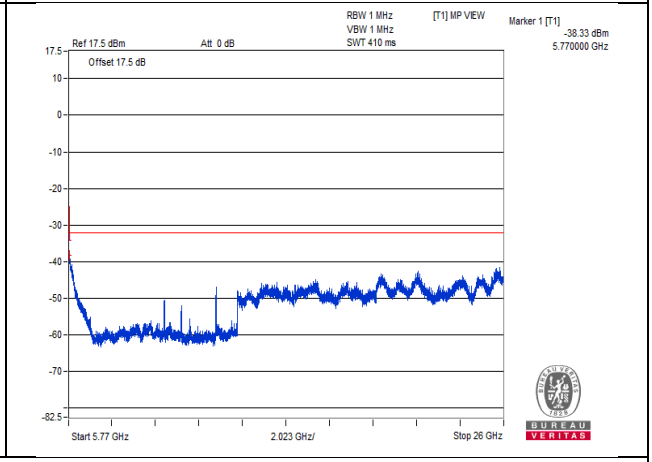
CH 120 (5600MHz)

Vnormal





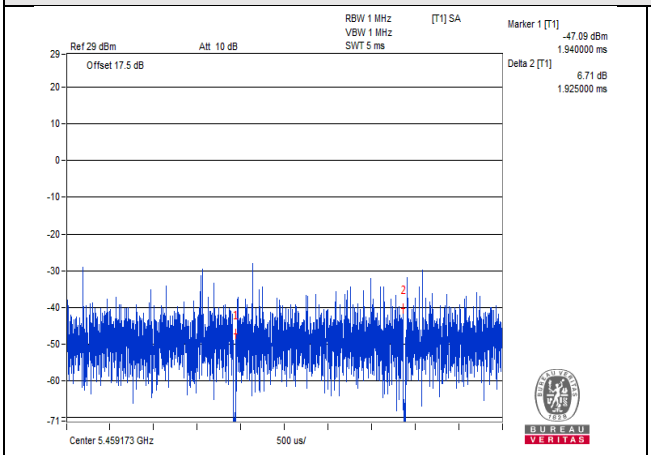


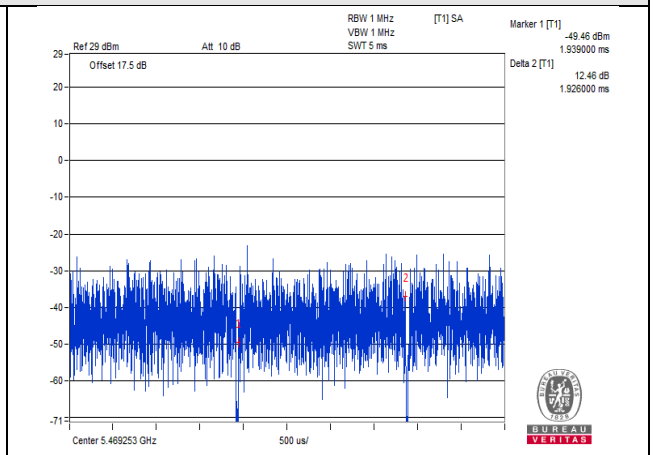


CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal





1	5459.173MHz	P = 0.02358uW	2	5469.253MHz	P = 0.111633uW

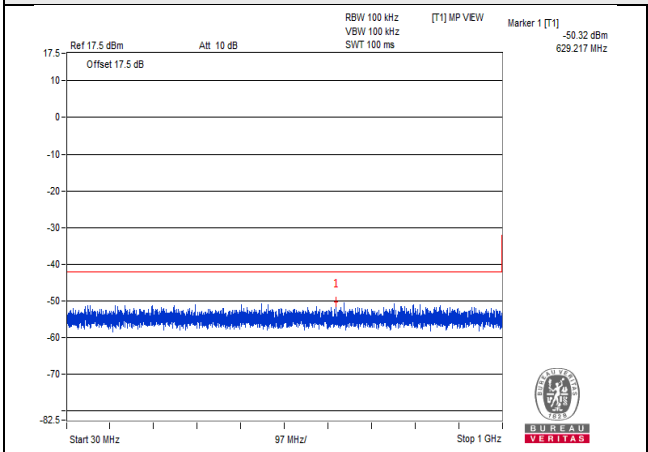
Chain 3

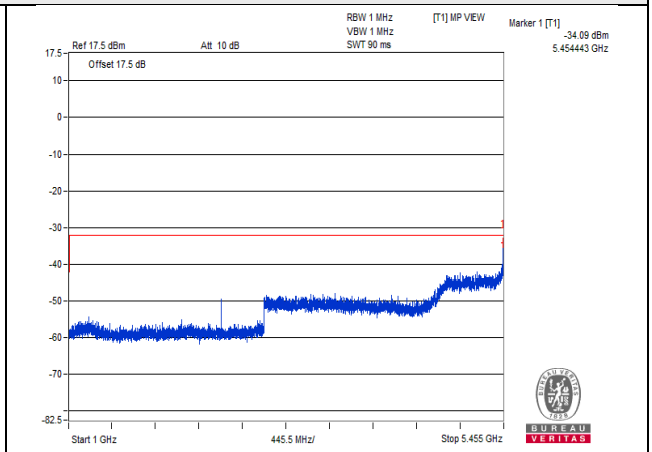
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	629.217	0.009290	0.062	Pass
	1000.0 to 5455.0	5454.443	0.389942	0.625	Pass
	5455.0 to 5460.0	5459.843	0.017788	0.625	Pass(1)
	5460.0 to 5470.0	5469.056	0.070818	3.125	Pass(2)
	5745.0 to 5765.0	5762.951	0.205589	3.125	Pass
	5765.0 to 5770.0	5766.456	0.178649	0.625	Pass
	5770.0 to 26000.0	25774.941	0.067608	0.625	Pass
Test Channel		CH 120 (5600MHz)			
V_{normal}	30.0 to 1000.0	34.728	0.008730	0.062	Pass
	1000.0 to 5455.0	5309.098	0.056234	0.625	Pass
	5455.0 to 5460.0	5459.055	0.172187	0.625	Pass
	5460.0 to 5470.0	5464.489	0.158489	3.125	Pass
	5745.0 to 5765.0	5756.573	0.221820	3.125	Pass
	5765.0 to 5770.0	5769.685	0.178649	0.625	Pass
	5770.0 to 26000.0	25807.815	0.077090	0.625	Pass
Test Channel		CH 140 (5700MHz)			
V_{normal}	30.0 to 1000.0	861.896	0.010351	0.062	Pass
	1000.0 to 5455.0	5393.186	0.043853	0.625	Pass
	5455.0 to 5460.0	5459.488	0.145546	0.625	Pass
	5460.0 to 5470.0	5469.529	0.199986	3.125	Pass
	5745.0 to 5765.0	5745.981	1.614359	3.125	Pass
	5765.0 to 5770.0	5765.314	0.268534	0.625	Pass
	5770.0 to 26000.0	25704.136	0.075509	0.625	Pass

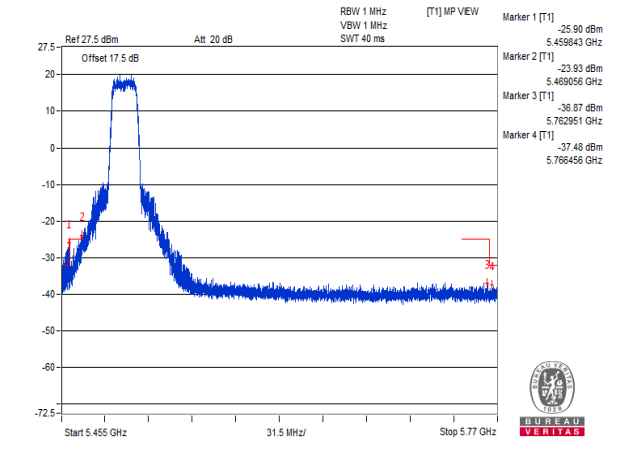
Note: 1. The spectrum plots are attached on the following pages.

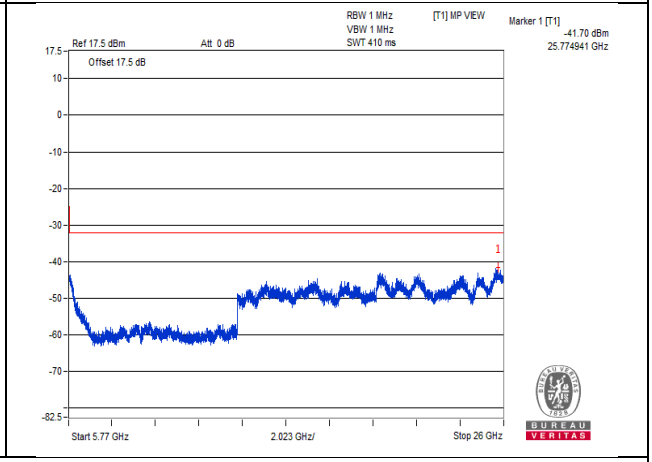
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



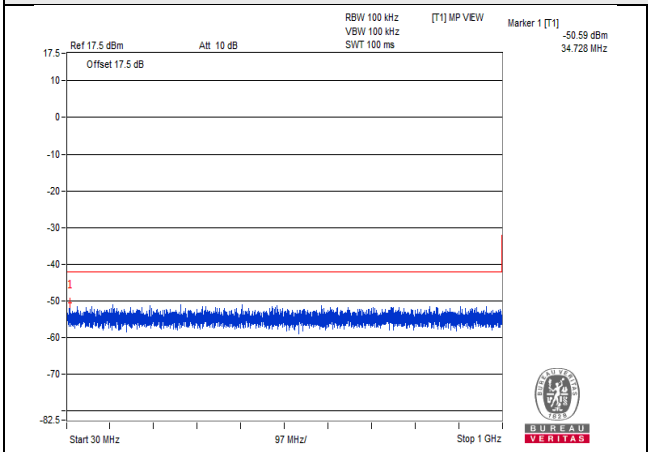


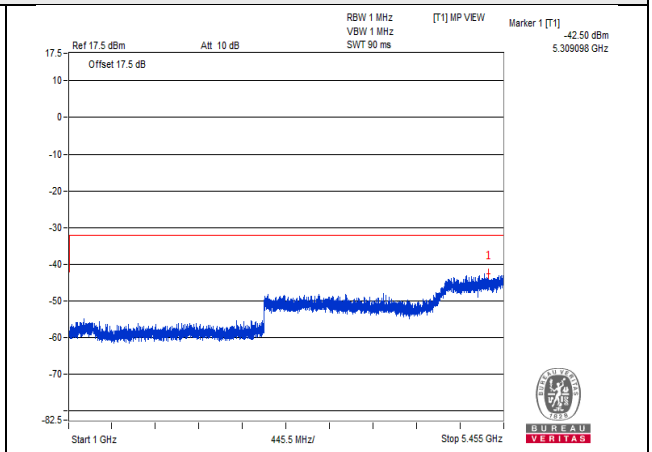


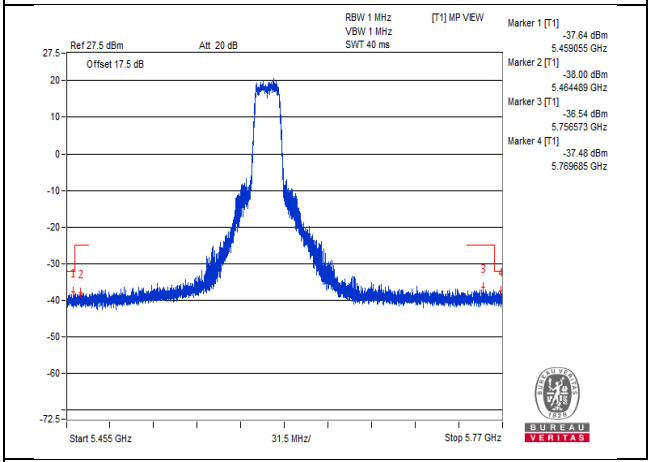


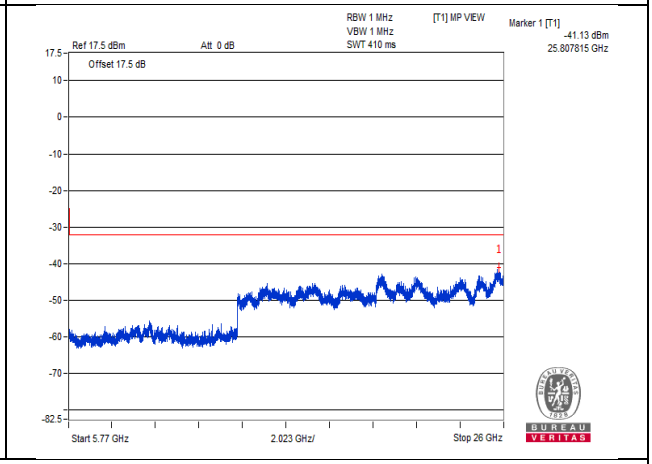
CH 100 (5500MHz)

Vnormal



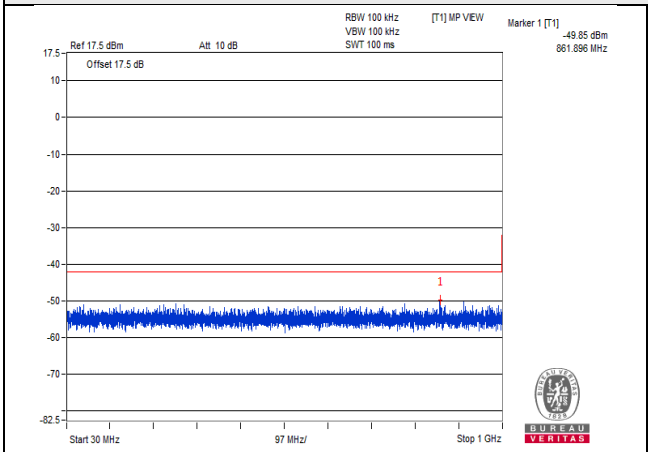


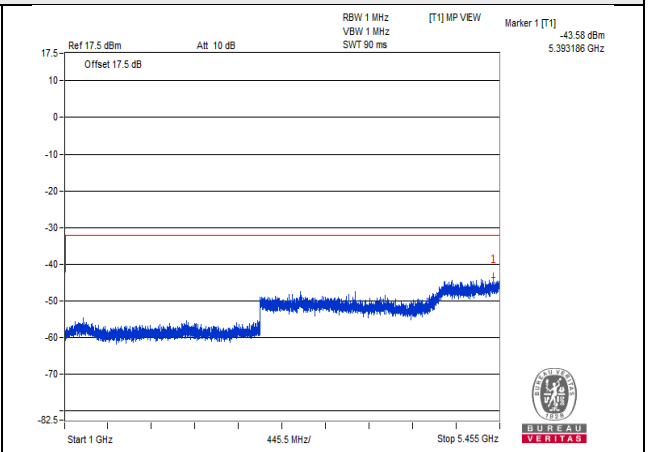


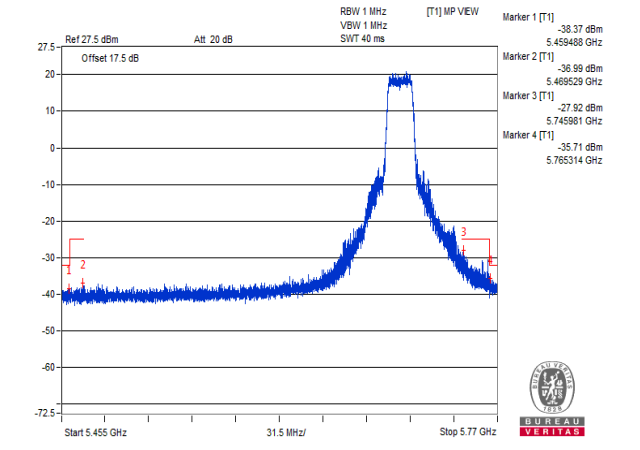


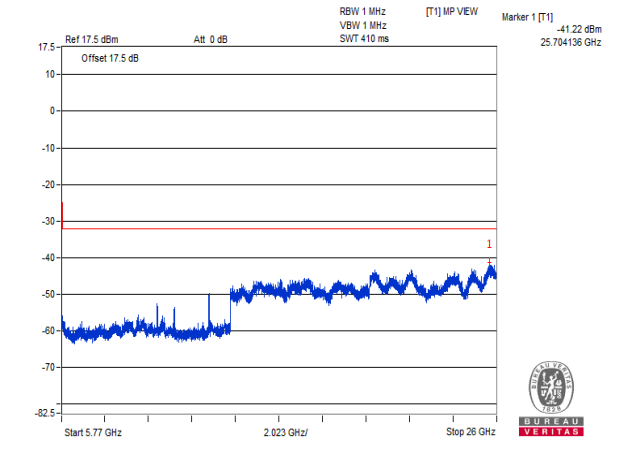
CH 120 (5600MHz)

Vnormal





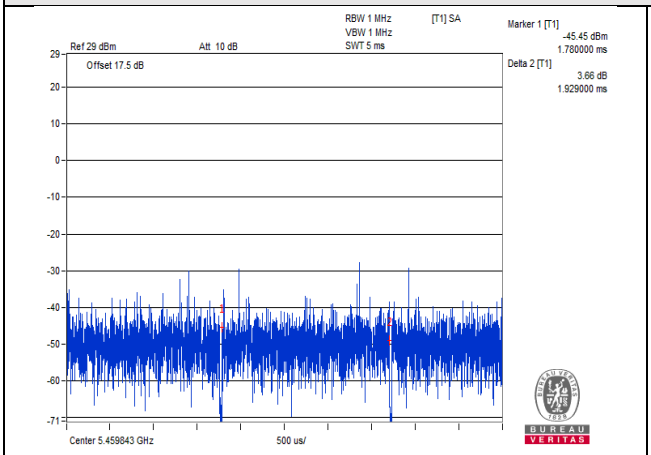




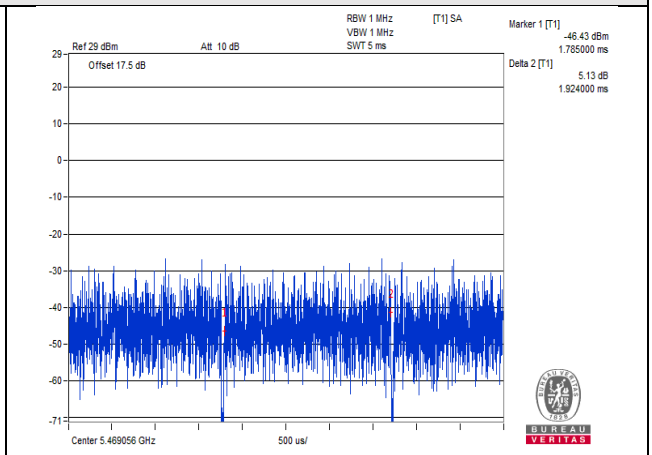
CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal



1	5459.843MHz	P = 0.017788uW	2	5469.056MHz	P = 0.070818uW



[Worst result] x [Number of antenna ports]

Test Channel		CH 100 (5500MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.038644	0.248	Pass
	1000.0 to 5455.0	1.559768	2.5	Pass
	5455.0 to 5460.0	0.099336	2.5	Pass
	5460.0 to 5470.0	0.446532	12.5	Pass
	5745.0 to 5765.0	0.875104	12.5	Pass
	5765.0 to 5770.0	0.778144	2.5	Pass
	5770.0 to 26000.0	0.342816	2.5	Pass
Test Channel		**CH 120 (5600MHz)**		
V_{normal}	30.0 to 1000.0	0.039452	0.248	Pass
	1000.0 to 5455.0	0.268572	2.5	Pass
	5455.0 to 5460.0	0.781736	2.5	Pass
	5460.0 to 5470.0	0.903776	12.5	Pass
	5745.0 to 5765.0	0.959532	12.5	Pass
	5765.0 to 5770.0	0.944192	2.5	Pass
	5770.0 to 26000.0	0.363964	2.5	Pass
Test Channel		**CH 140 (5700MHz)**		
V_{normal}	30.0 to 1000.0	0.041404	0.248	Pass
	1000.0 to 5455.0	0.230708	2.5	Pass
	5455.0 to 5460.0	0.629592	2.5	Pass
	5460.0 to 5470.0	0.799944	12.5	Pass
	5745.0 to 5765.0	10.890804	12.5	Pass
	5765.0 to 5770.0	2.004748	2.5	Pass
	5770.0 to 26000.0	1.096628	2.5	Pass

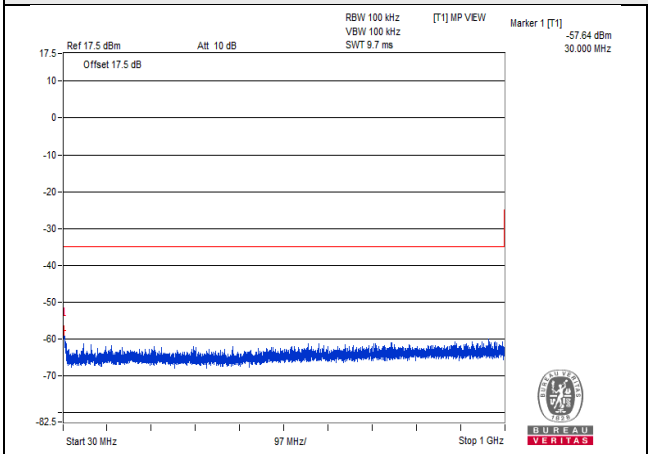
Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

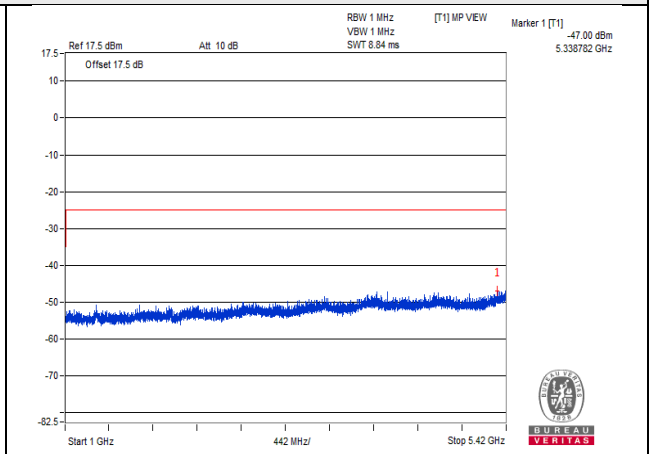
W56 Band:
802.11ac (VHT40)
Chain 0

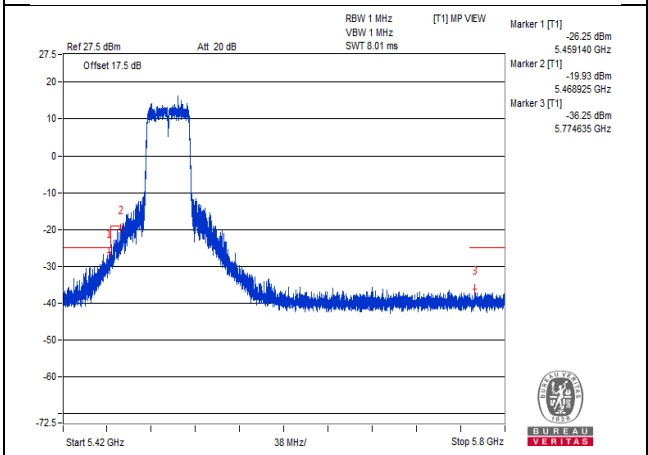
Test Channel		CH 102 (5510MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	30.000	0.001722	0.312	Pass
	1000.0 to 5420.0	5338.782	0.019953	3.125	Pass
	5420.0 to 5460.0	5459.140	2.371374	3.125	Pass
	5460.0 to 5470.0	5468.925	10.162487	12.500	Pass
	5770.0 to 5800.0	5774.635	0.237137	3.125	Pass
	5800.0 to 26000.0	5906.050	0.054702	3.125	Pass
Test Channel		**CH 118 (5590MHz)**			
V_{normal}	30.0 to 1000.0	30.848	0.001560	0.312	Pass
	1000.0 to 5420.0	4760.315	0.019679	3.125	Pass
	5420.0 to 5460.0	5430.165	0.348337	3.125	Pass
	5460.0 to 5470.0	5465.98	0.240991	12.500	Pass
	5770.0 to 5800.0	5779.29	0.358922	3.125	Pass
	5800.0 to 26000.0	5815.15	0.061094	3.125	Pass
Test Channel		**CH 134 (5670MHz)**			
V_{normal}	30.0 to 1000.0	30.000	0.001820	0.312	Pass
	1000.0 to 5420.0	5401.767	0.021038	3.125	Pass
	5420.0 to 5460.0	5436.720	0.289734	3.125	Pass
	5460.0 to 5470.0	5468.022	0.277332	12.500	Pass
	5770.0 to 5800.0	5771.025	0.608135	3.125	Pass
	5800.0 to 26000.0	5832.825	0.085114	3.125	Pass

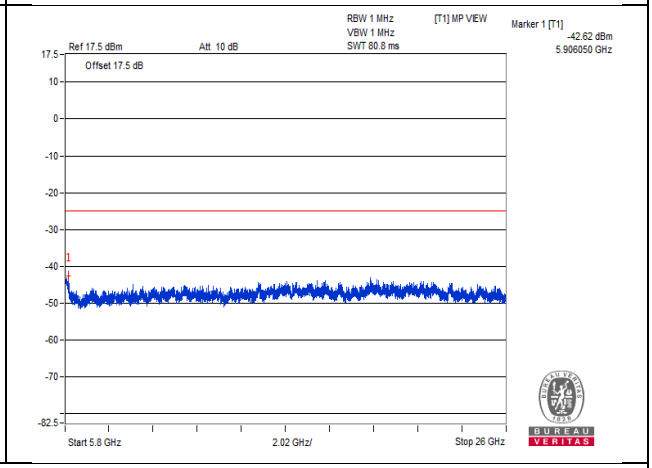
Note: The spectrum plots are attached on the following pages.

Vnormal



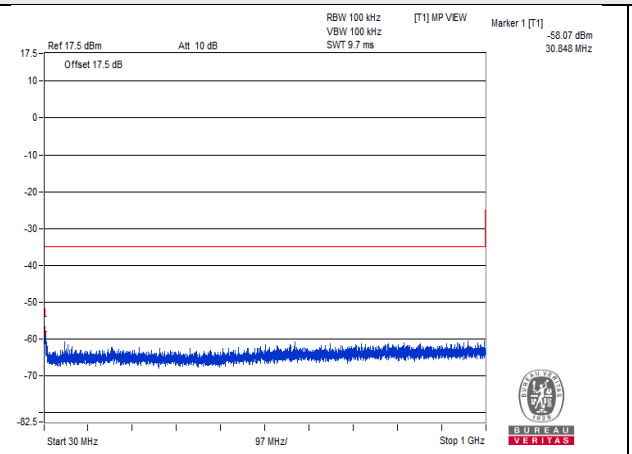


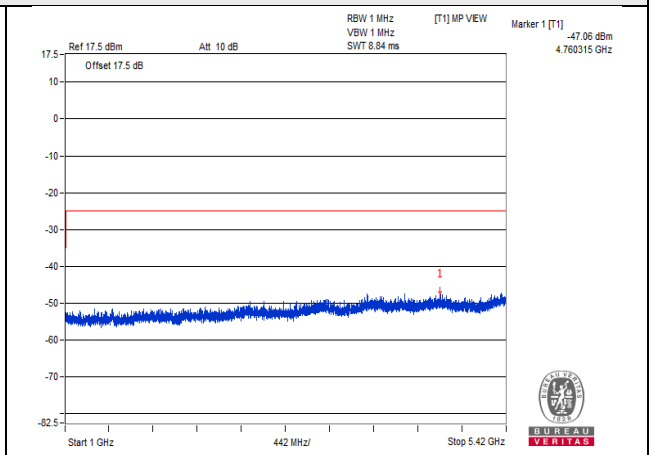


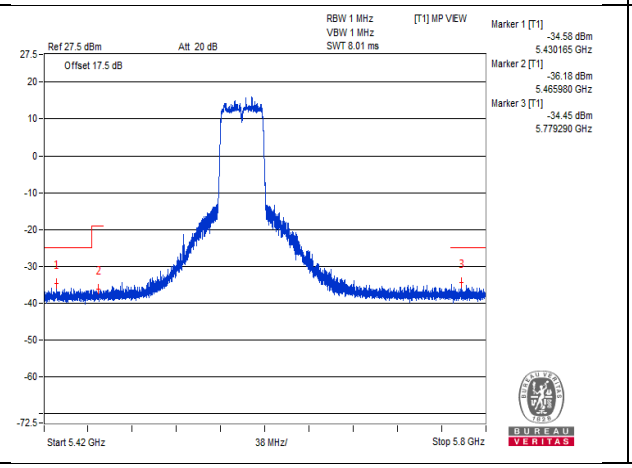


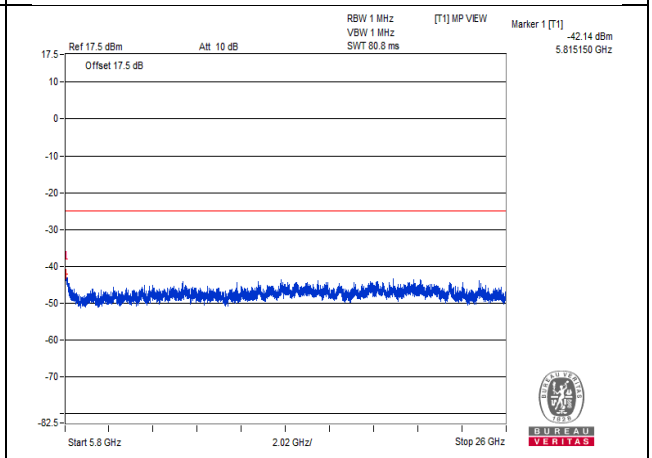
CH 102 (5510MHz)

Vnormal



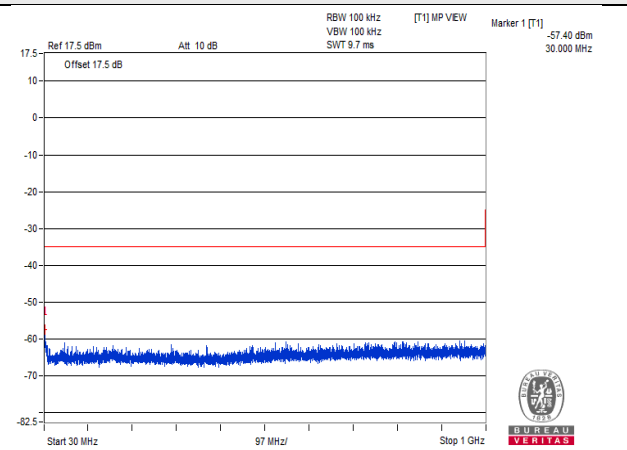


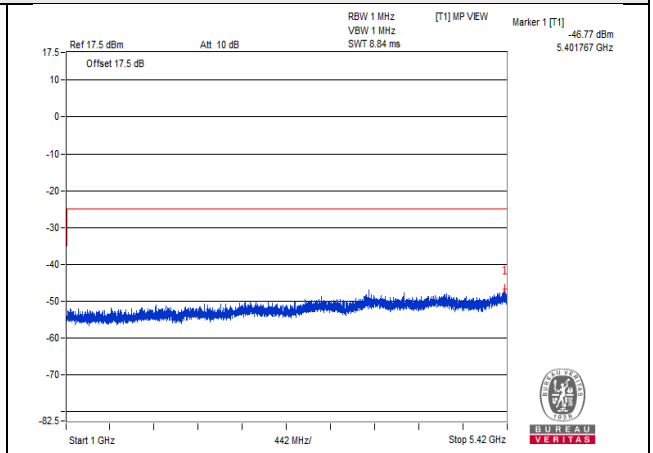


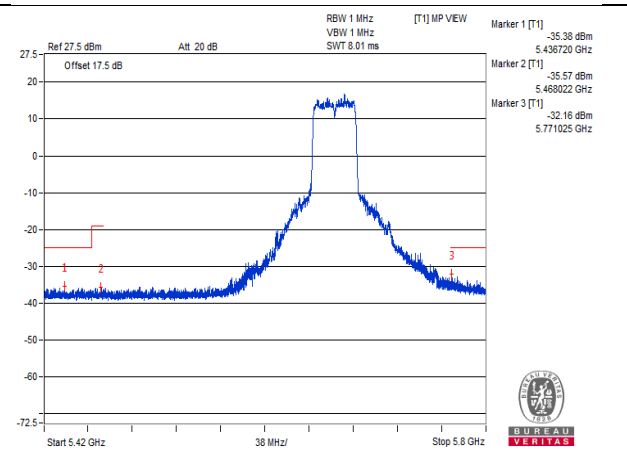


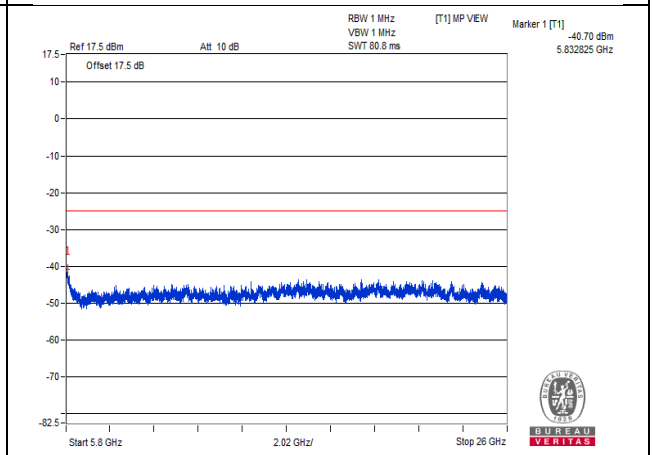
CH 118 (5590MHz)

Vnormal









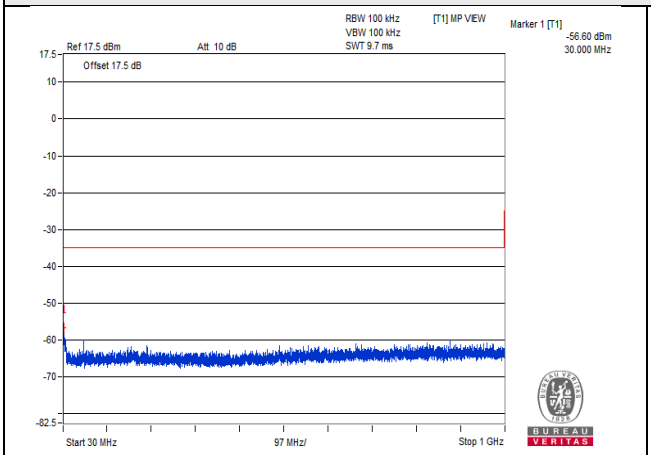
CH 134 (5670MHz)

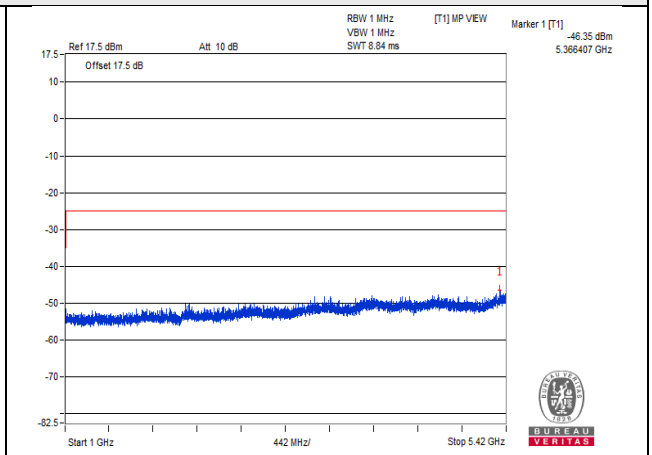
Chain 1

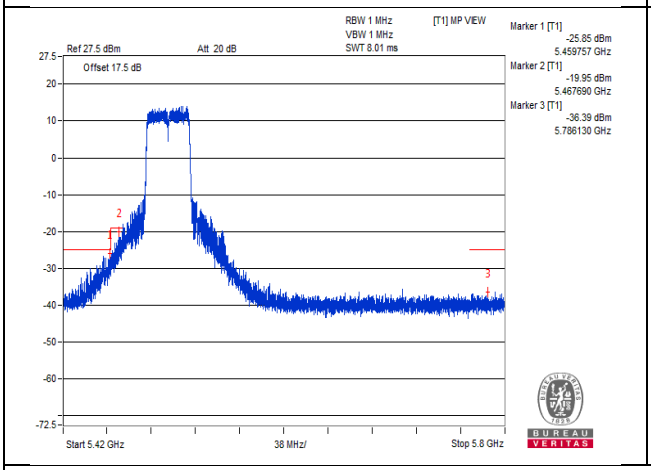
Test Channel		CH 102 (5510MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	30.000	0.002188	0.312	Pass
	1000.0 to 5420.0	5366.407	0.023174	3.125	Pass
	5420.0 to 5460.0	5459.757	2.600160	3.125	Pass
	5460.0 to 5470.0	5467.690	10.115795	12.500	Pass
	5770.0 to 5800.0	5786.130	0.229615	3.125	Pass
	5800.0 to 26000.0	5822.725	0.052360	3.125	Pass
Test Channel		**CH 118 (5590MHz)**			
V_{normal}	30.0 to 1000.0	30.000	0.001614	0.312	Pass
	1000.0 to 5420.0	5379.667	0.021330	3.125	Pass
	5420.0 to 5460.0	5429.737	0.351560	3.125	Pass
	5460.0 to 5470.0	5464.270	0.269774	12.500	Pass
	5770.0 to 5800.0	5794.775	0.265461	3.125	Pass
	5800.0 to 26000.0	22154.425	0.061235	3.125	Pass
Test Channel		**CH 134 (5670MHz)**			
V_{normal}	30.0 to 1000.0	30.485	0.001156	0.312	Pass
	1000.0 to 5420.0	5249.277	0.020091	3.125	Pass
	5420.0 to 5460.0	5453.677	0.270396	3.125	Pass
	5460.0 to 5470.0	5468.497	0.247742	12.500	Pass
	5770.0 to 5800.0	5775.300	0.481948	3.125	Pass
	5800.0 to 26000.0	5807.575	0.095499	3.125	Pass

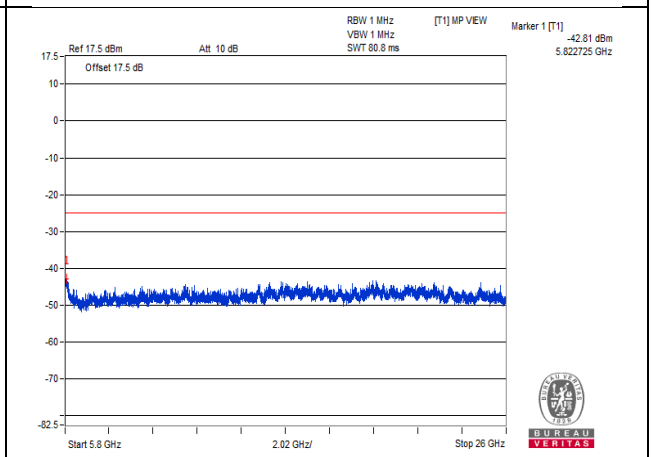
Note: The spectrum plots are attached on the following pages.

Vnormal



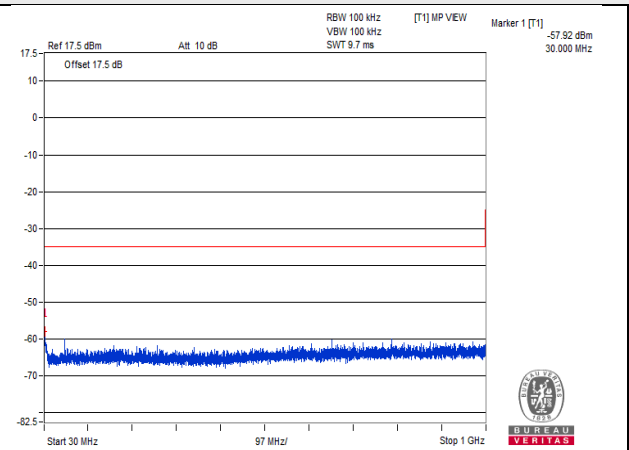


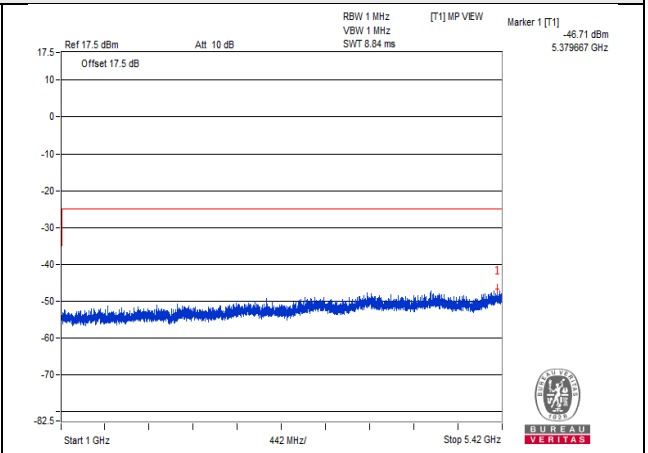


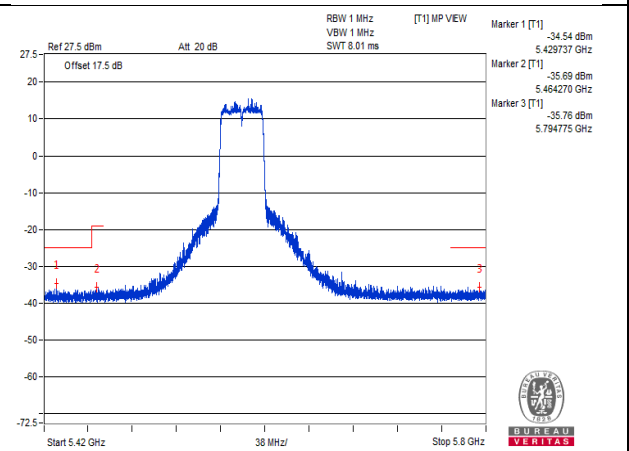


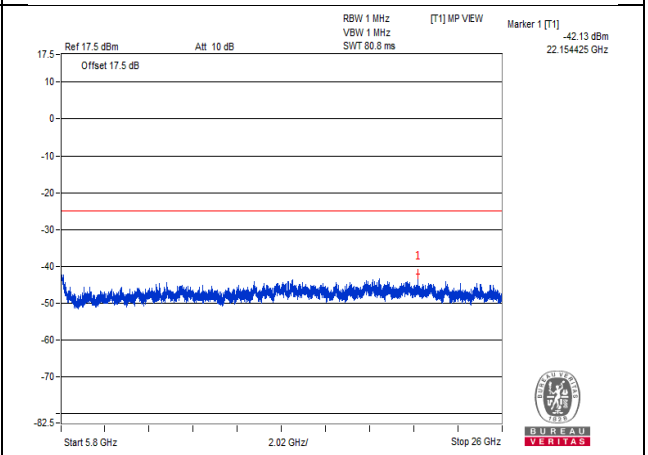
CH 102 (5510MHz)

Vnormal



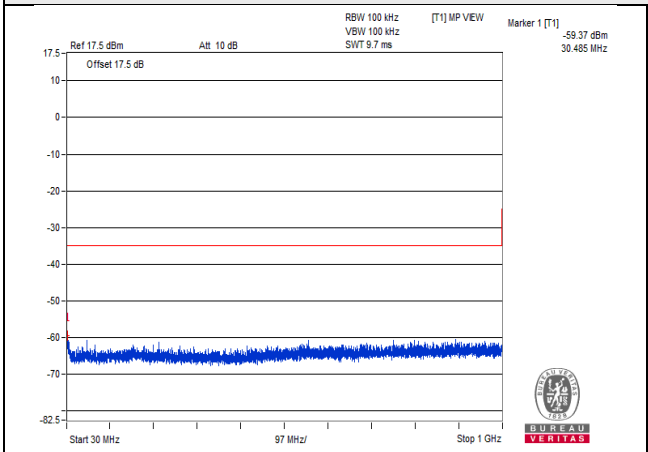


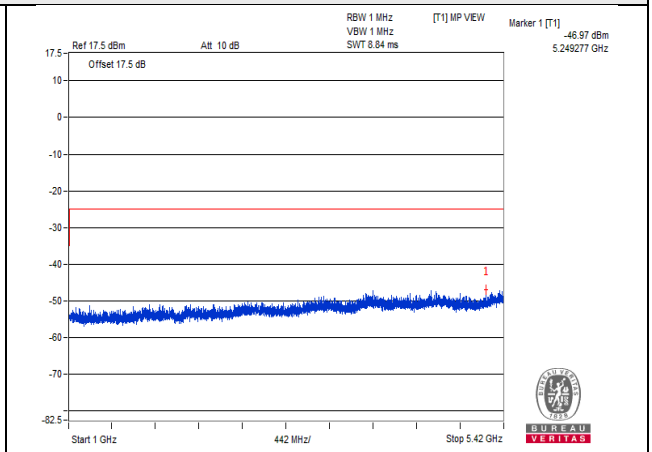


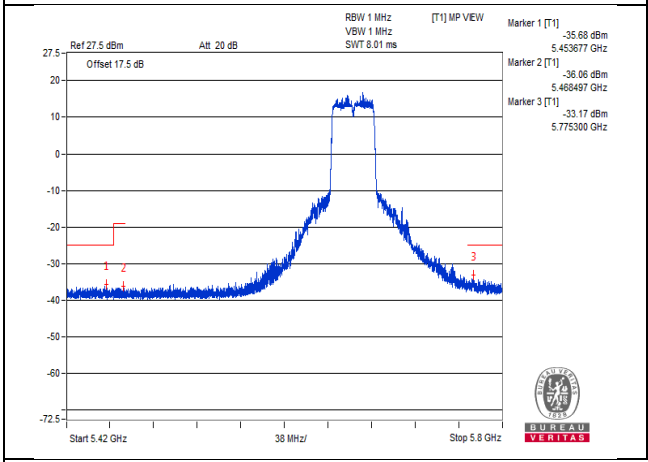


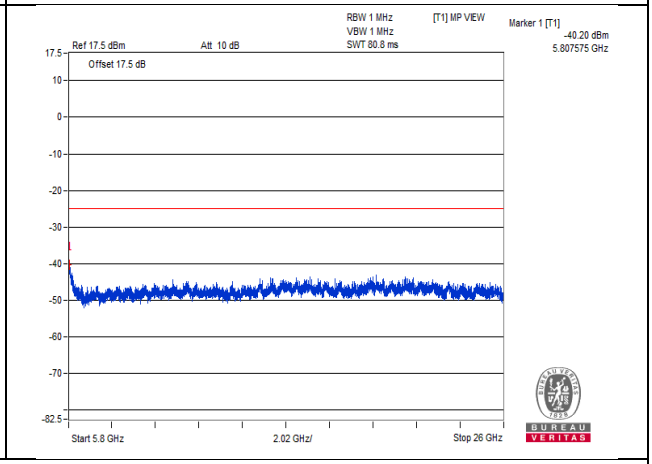
CH 118 (5590MHz)

Vnormal









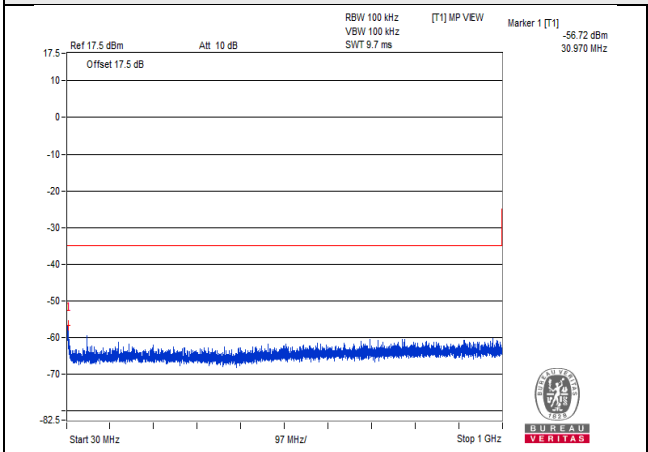
CH 134 (5670MHz)

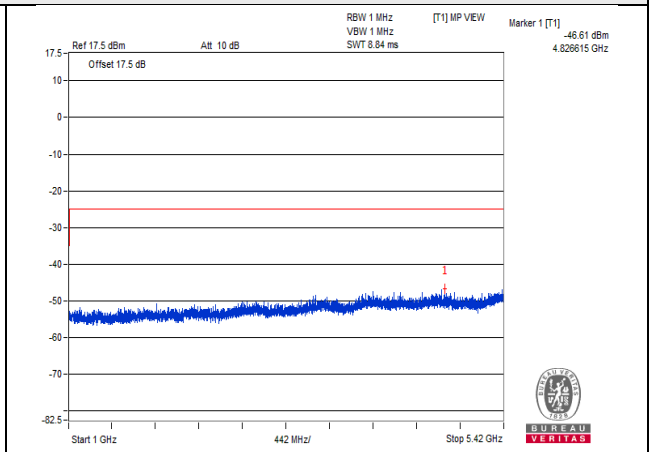
Chain 2

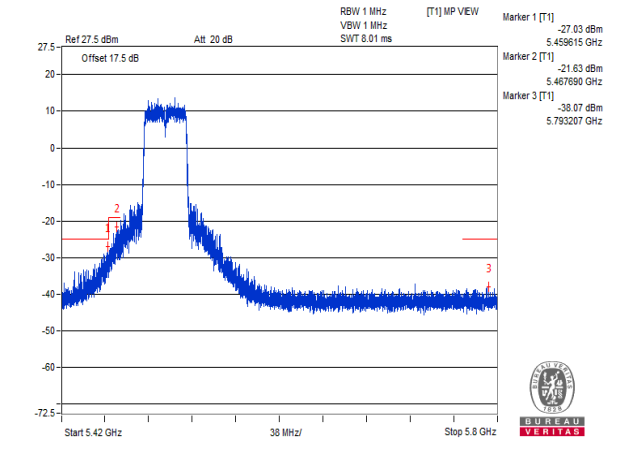
Test Channel		CH 102 (5510MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	30.970	0.002128	0.312	Pass
	1000.0 to 5420.0	4826.615	0.021827	3.125	Pass
	5420.0 to 5460.0	5459.615	1.981527	3.125	Pass
	5460.0 to 5470.0	5467.690	6.870684	12.500	Pass
	5770.0 to 5800.0	5793.207	0.155955	3.125	Pass
	5800.0 to 26000.0	16377.225	0.057544	3.125	Pass
Test Channel		**CH 118 (5590MHz)**			
V_{normal}	30.0 to 1000.0	30.000	0.001560	0.312	Pass
	1000.0 to 5420.0	4779.652	0.022284	3.125	Pass
	5420.0 to 5460.0	5456.812	0.309742	3.125	Pass
	5460.0 to 5470.0	5468.070	0.221309	12.500	Pass
	5770.0 to 5800.0	5773.875	0.299226	3.125	Pass
	5800.0 to 26000.0	5800.000	0.061376	3.125	Pass
Test Channel		**CH 134 (5670MHz)**			
V_{normal}	30.0 to 1000.0	30.000	0.001346	0.312	Pass
	1000.0 to 5420.0	5394.032	0.022080	3.125	Pass
	5420.0 to 5460.0	5424.180	0.237137	3.125	Pass
	5460.0 to 5470.0	5462.370	0.196789	12.500	Pass
	5770.0 to 5800.0	5773.922	0.355631	3.125	Pass
	5800.0 to 26000.0	5812.625	0.082035	3.125	Pass

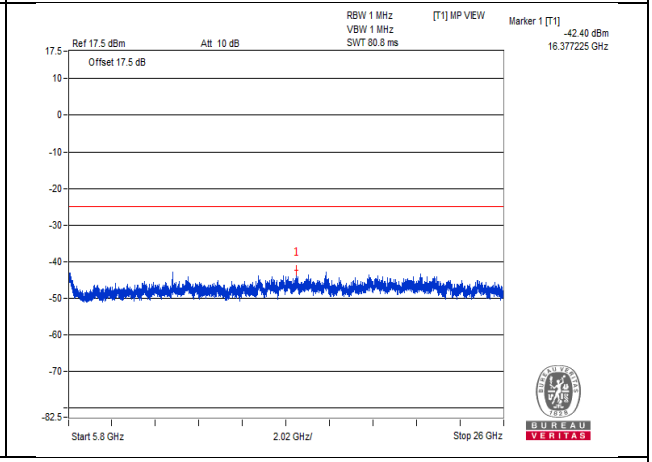
Note: The spectrum plots are attached on the following pages.

Vnormal



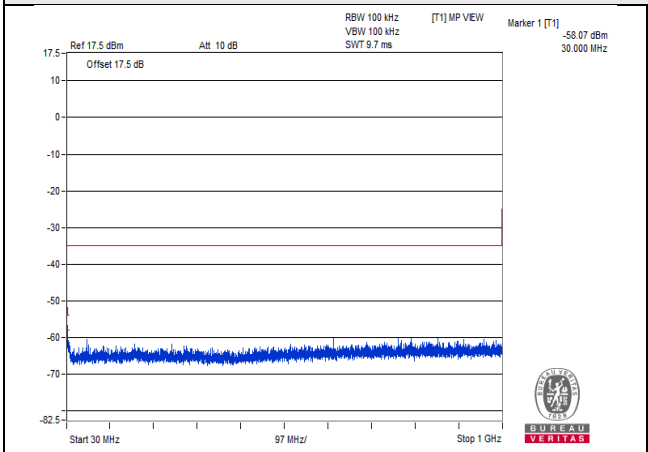


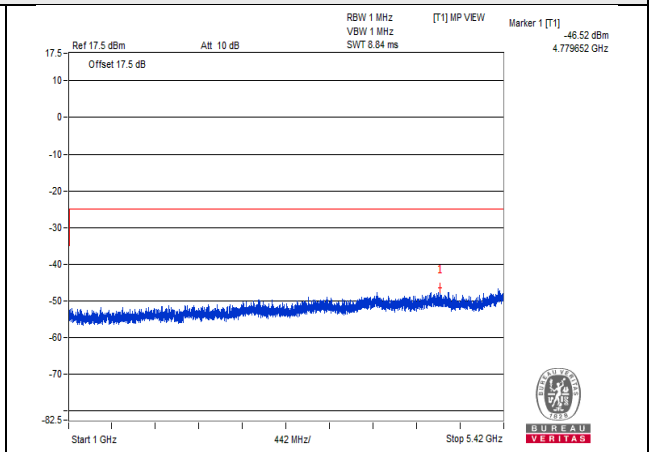


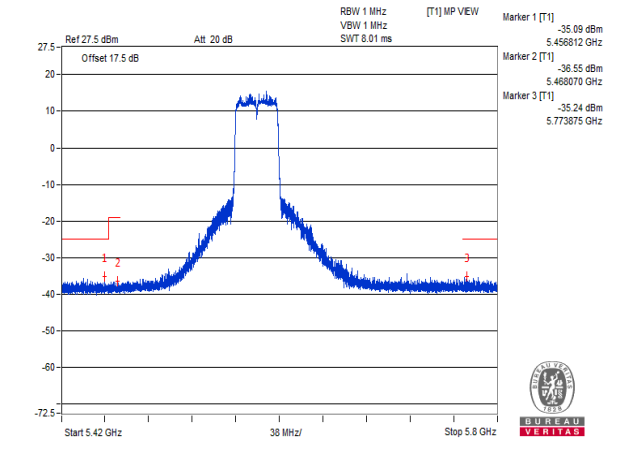


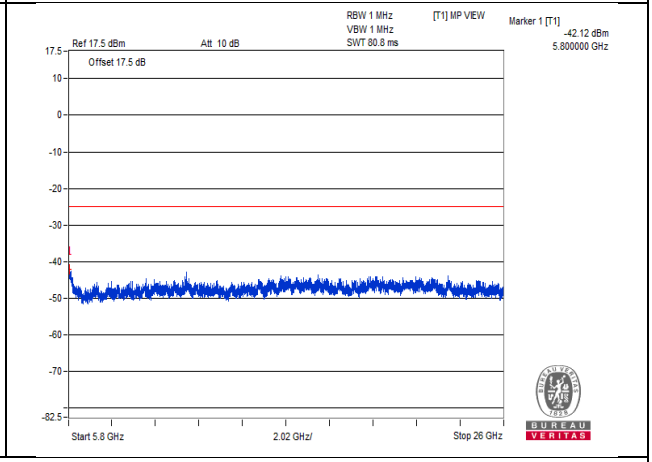
CH 102 (5510MHz)

Vnormal



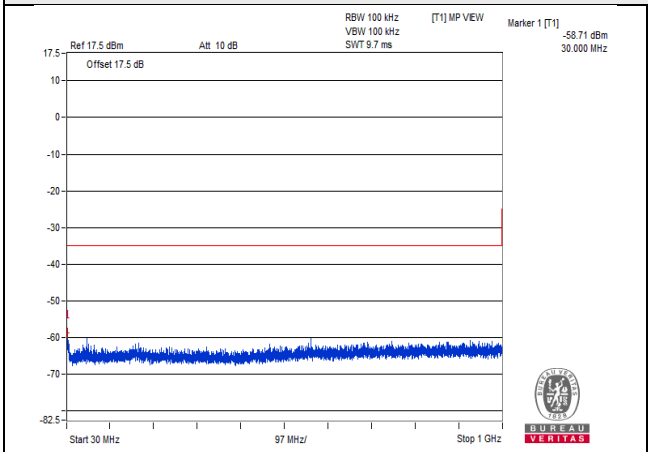


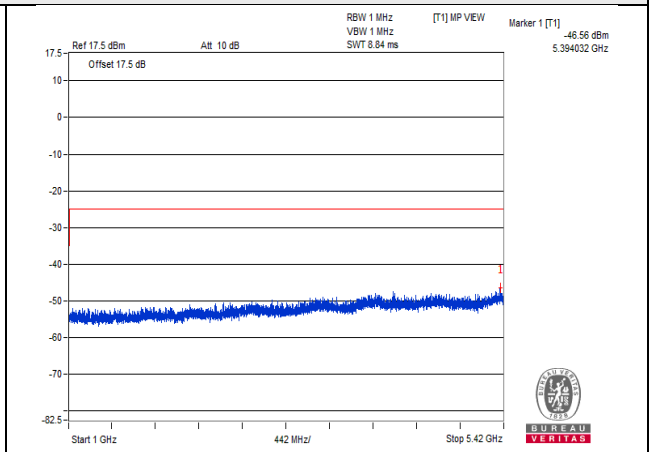


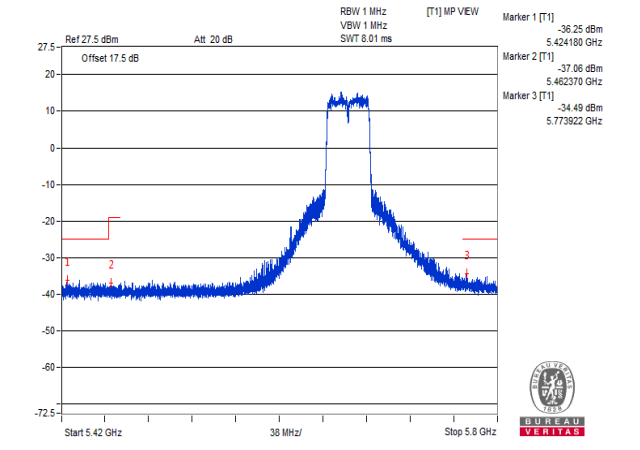


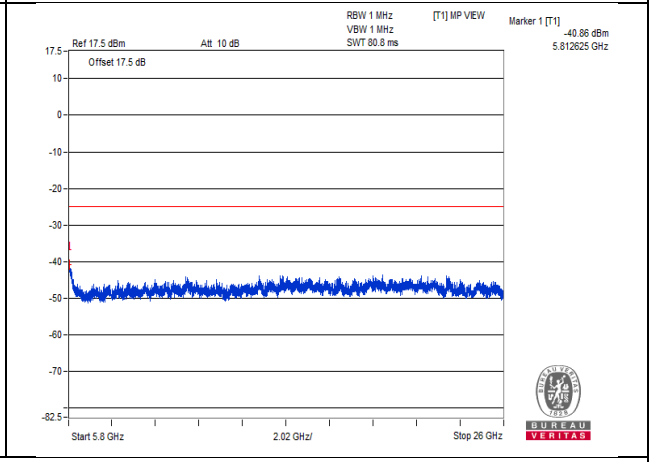
CH 118 (5590MHz)

Vnormal









CH 134 (5670MHz)

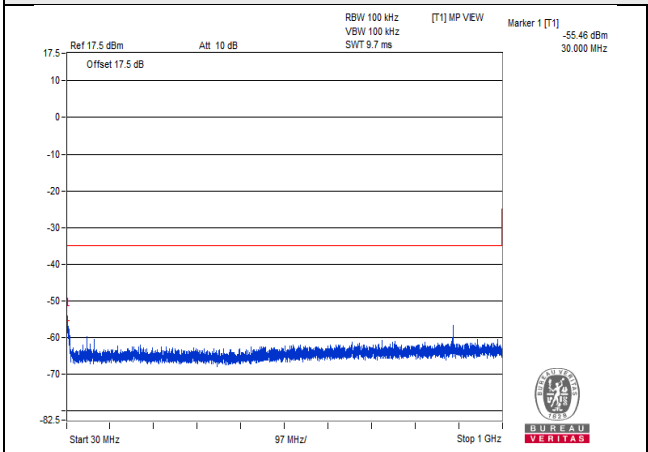
Chain 3

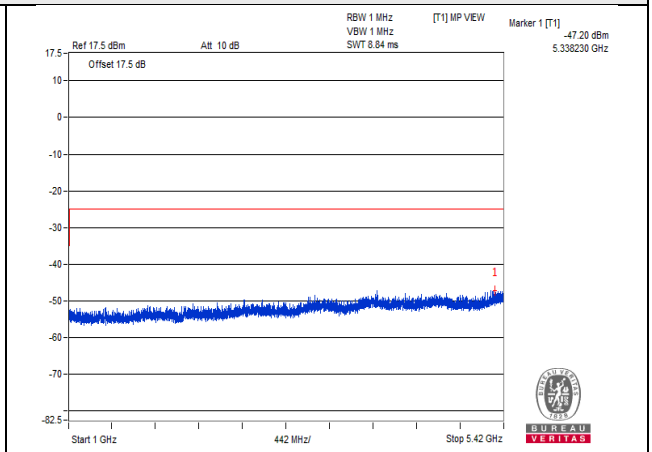
Test Channel		CH 102 (5510MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	30.000	0.002844	0.312	Pass
	1000.0 to 5420.0	5338.230	0.019055	3.125	Pass
	5420.0 to 5460.0	5459.757	0.207206	3.125	Pass(1)
	5460.0 to 5470.0	5467.832	0.537637	12.500	Pass(2)
	5770.0 to 5800.0	5798.337	0.260615	3.125	Pass
	5800.0 to 26000.0	5825.250	0.053951	3.125	Pass
Test Channel		**CH 118 (5590MHz)**			
V_{normal}	30.0 to 1000.0	30.000	0.003673	0.312	Pass
	1000.0 to 5420.0	4095.657	0.019861	3.125	Pass
	5420.0 to 5460.0	5449.782	0.276694	3.125	Pass
	5460.0 to 5470.0	5465.505	0.322107	12.500	Pass
	5770.0 to 5800.0	5783.185	0.300608	3.125	Pass
	5800.0 to 26000.0	5840.400	0.076913	3.125	Pass
Test Channel		**CH 134 (5670MHz)**			
V_{normal}	30.0 to 1000.0	30.848	0.001291	0.312	Pass
	1000.0 to 5420.0	5357.567	0.019724	3.125	Pass
	5420.0 to 5460.0	5447.835	0.287078	3.125	Pass
	5460.0 to 5470.0	5460.470	0.314051	12.500	Pass
	5770.0 to 5800.0	5771.357	0.486407	3.125	Pass
	5800.0 to 26000.0	5822.725	0.093972	3.125	Pass

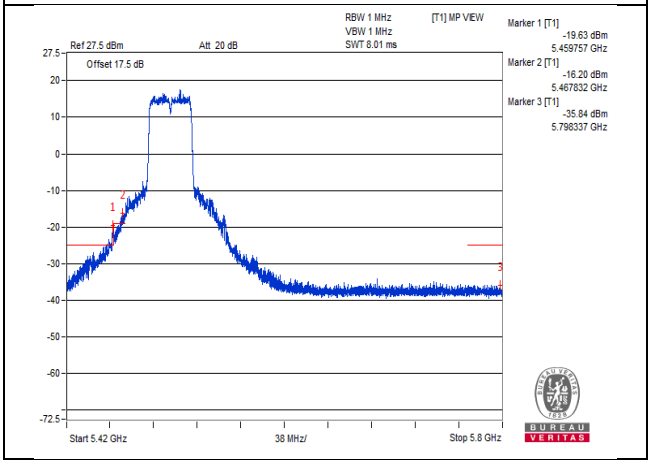
Note: 1. The spectrum plots are attached on the following pages.

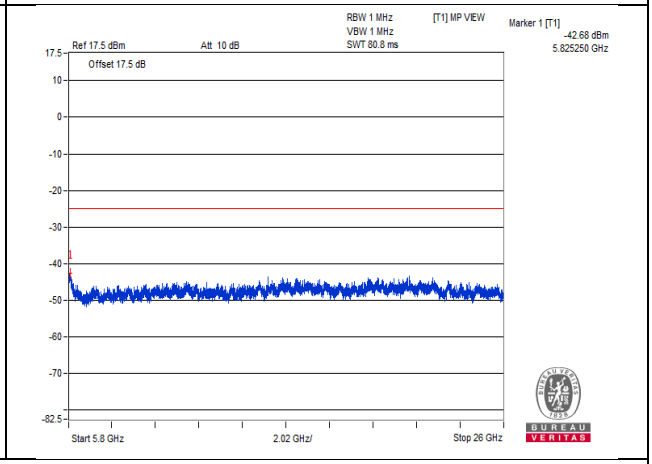
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



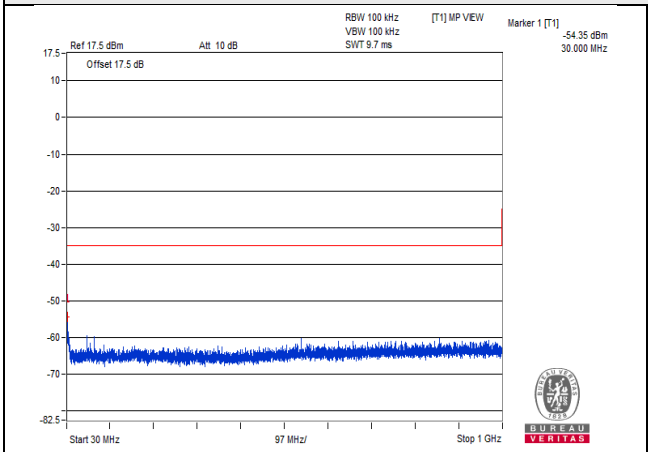


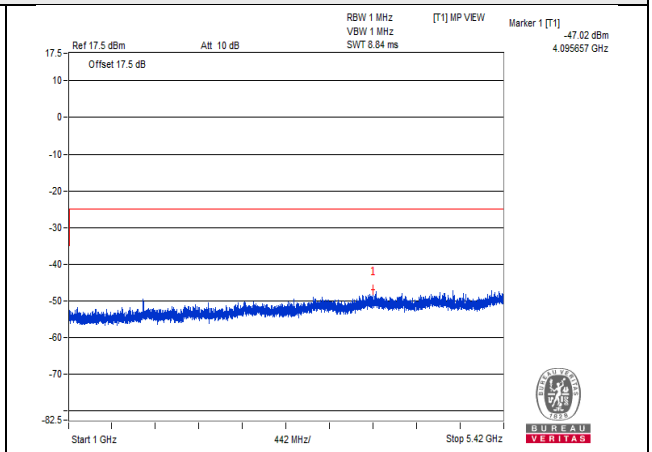


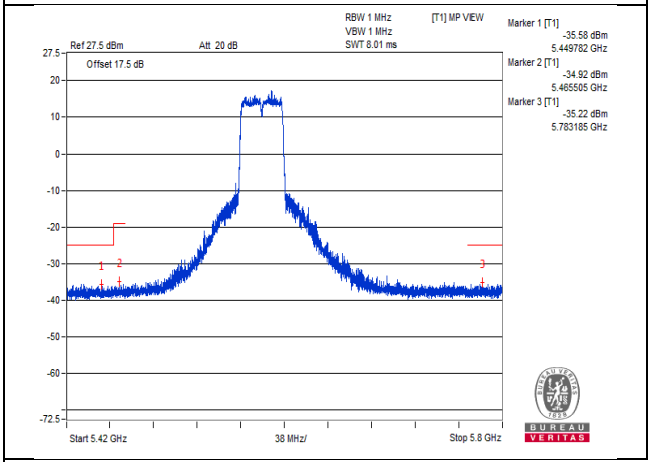


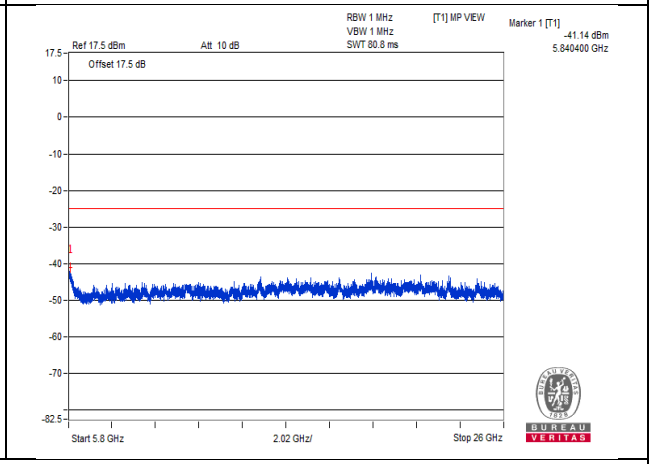
CH 102 (5510MHz)

Vnormal



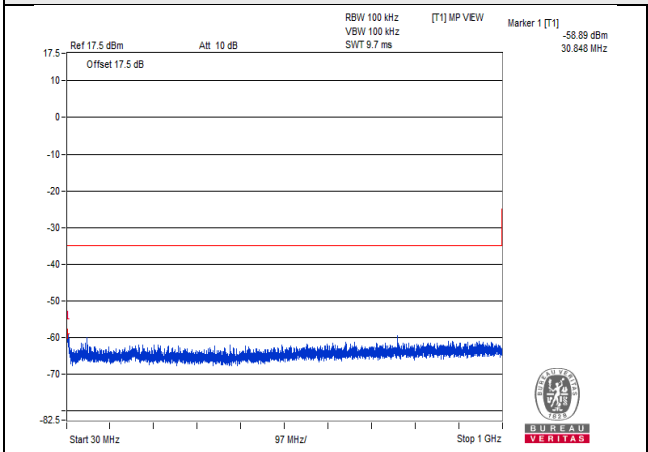


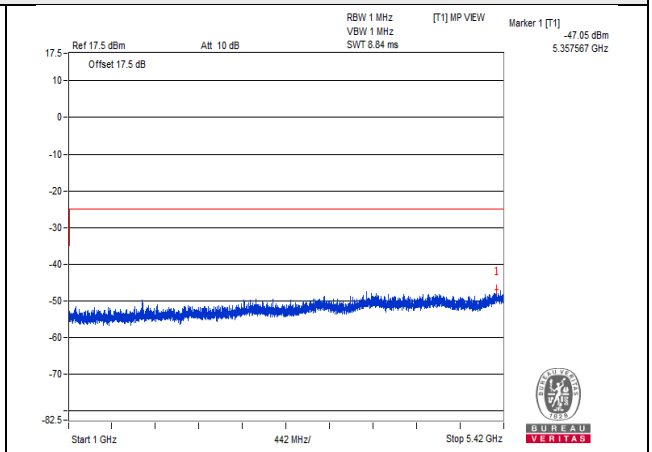


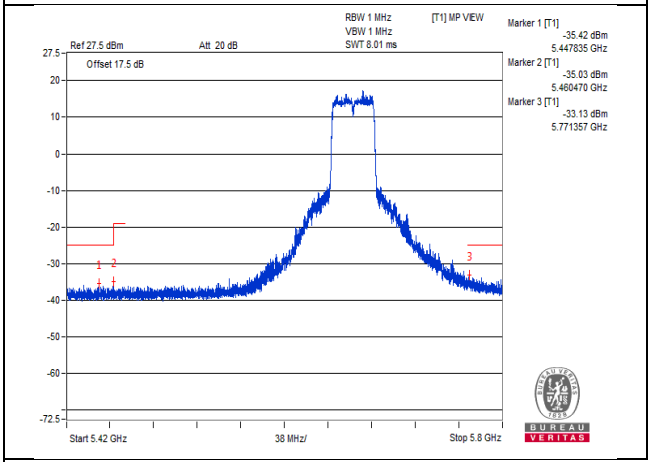


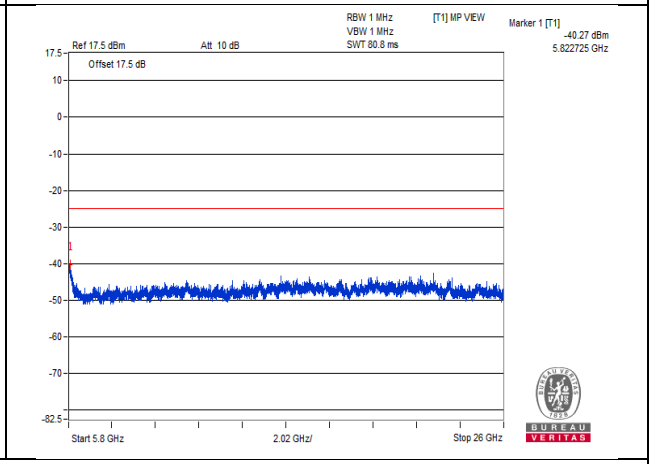
CH 118 (5590MHz)

Vnormal



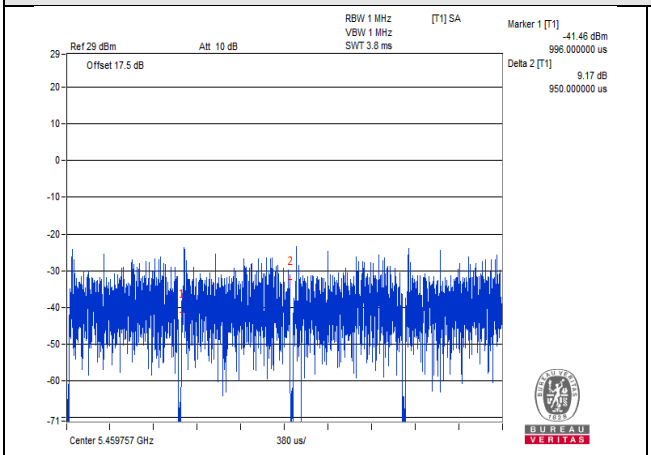


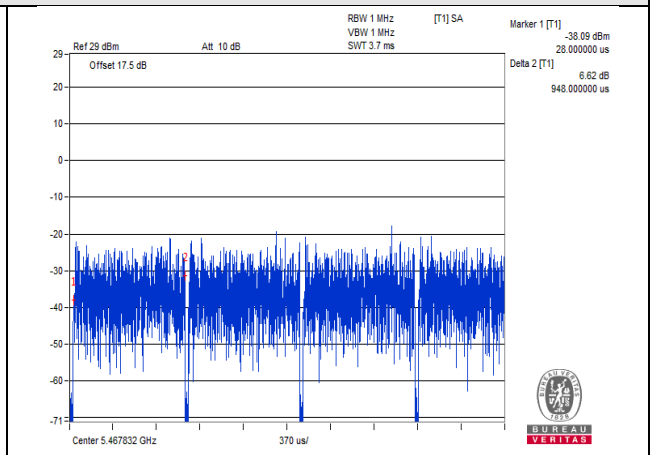




CH 134 (5670MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





1	5459.757MHz	P = 0.207206uW	2	5467.832MHz	P = 0.537637uW

[Worst result] x [Number of antenna ports]

Test Channel		CH 102 (5510MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.011376	1.248	Pass
	1000.0 to 5420.0	0.092696	12.5	Pass
	5420.0 to 5460.0	10.400640	12.5	Pass
	5460.0 to 5470.0	40.649948	50	Pass
	5770.0 to 5800.0	1.042460	12.5	Pass
	5800.0 to 26000.0	0.230176	12.5	Pass
Test Channel		**CH 118 (5590MHz)**		
V_{normal}	30.0 to 1000.0	0.014692	1.248	Pass
	1000.0 to 5420.0	0.089136	12.5	Pass
	5420.0 to 5460.0	1.406240	12.5	Pass
	5460.0 to 5470.0	1.288428	50	Pass
	5770.0 to 5800.0	1.435688	12.5	Pass
	5800.0 to 26000.0	0.307652	12.5	Pass
Test Channel		**CH 134 (5670MHz)**		
V_{normal}	30.0 to 1000.0	0.007280	1.248	Pass
	1000.0 to 5420.0	0.088320	12.5	Pass
	5420.0 to 5460.0	1.158936	12.5	Pass
	5460.0 to 5470.0	1.256204	50	Pass
	5770.0 to 5800.0	2.432540	12.5	Pass
	5800.0 to 26000.0	0.381996	12.5	Pass

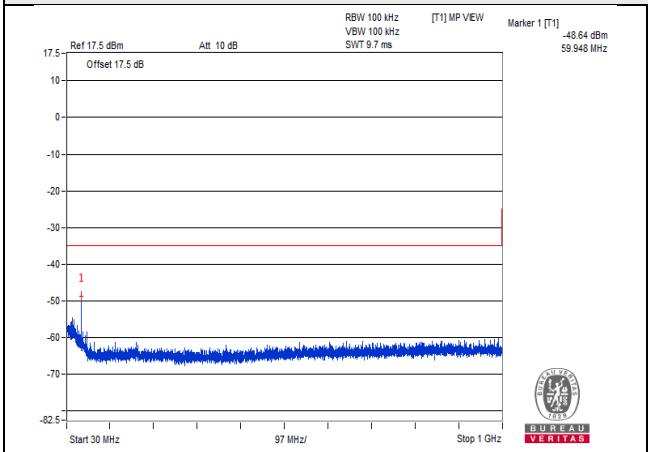
Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

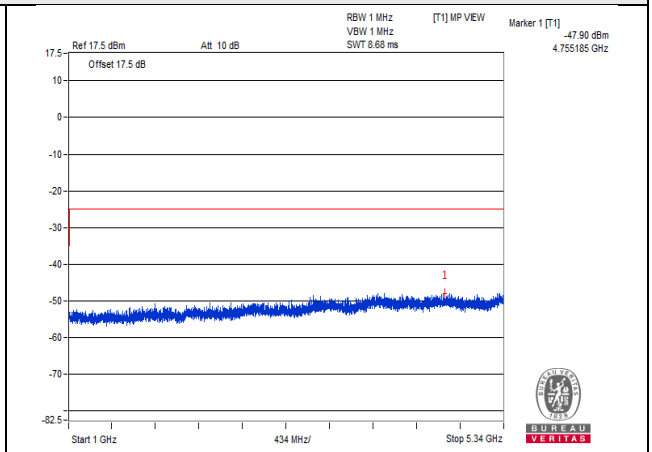
W56 Band:
802.11ac (VHT80)
Chain 0

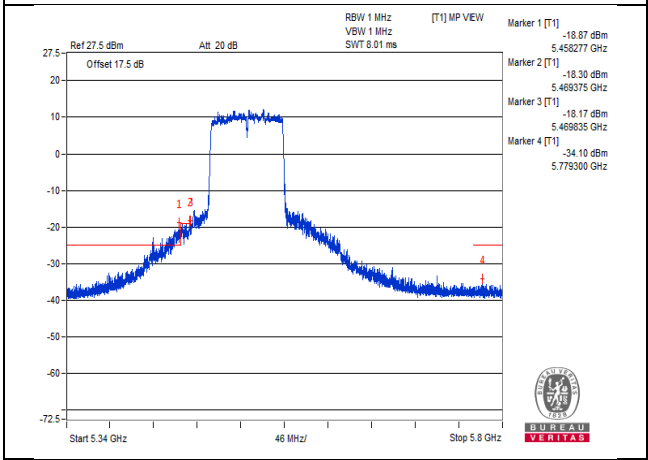
Test Channel		CH 106 (5530MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	59.948	0.013677	0.312	Pass
	1000.0 to 5340.0	4755.185	0.016218	3.125	Pass
	5340.0 to 5460.0	5458.277	0.439190	3.125	Pass(1)
	5460.0 to 5469.5	5469.375	0.400811	12.500	Pass(2)
	5469.5 to 5470.0	5469.835	0.549834	12.800	Pass(3)
	5770.0 to 5800.0	5779.300	0.389045	3.125	Pass
	5800.0 to 26000.0	5832.825	0.060674	3.125	Pass
Test Channel		**CH 122 (5610MHz)**			
V_{normal}	30.0 to 1000.0	59.948	0.006457	0.312	Pass
	1000.0 to 5340.0	5326.980	0.017418	3.125	Pass
	5340.0 to 5460.0	5456.667	0.401791	3.125	Pass
	5460.0 to 5469.5	5467.822	0.538270	12.500	Pass
	5469.5 to 5470.0	5469.547	0.332660	12.800	Pass
	5770.0 to 5800.0	5770.905	0.605341	3.125	Pass
	5800.0 to 26000.0	5800.000	0.110408	3.125	Pass

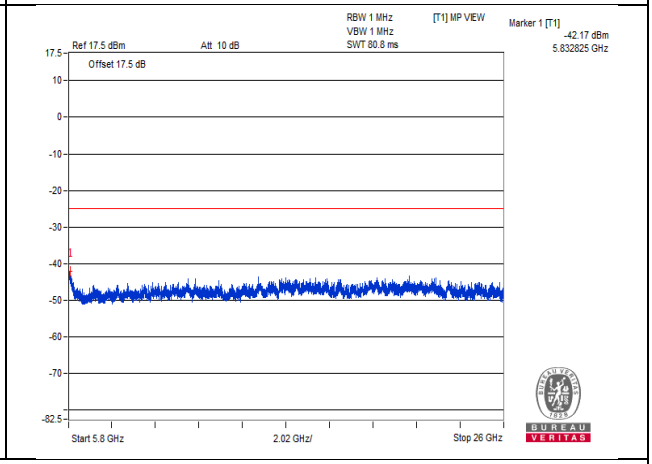
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



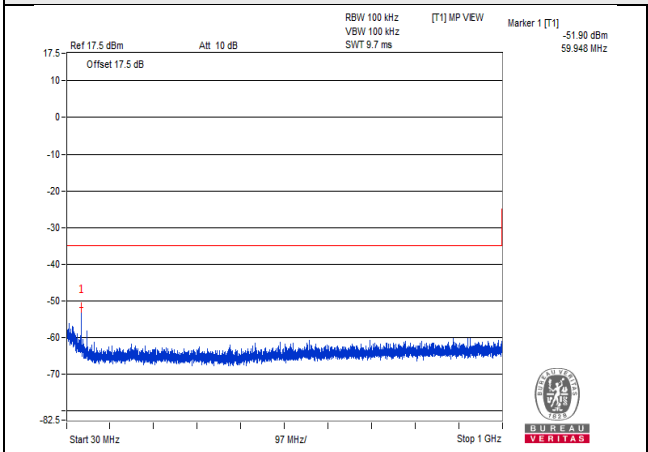


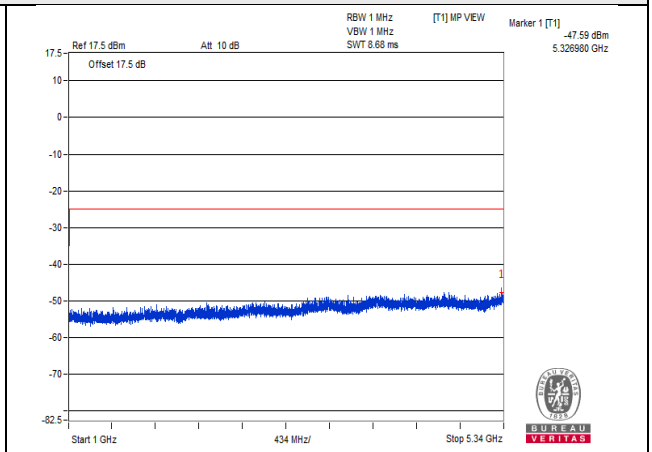


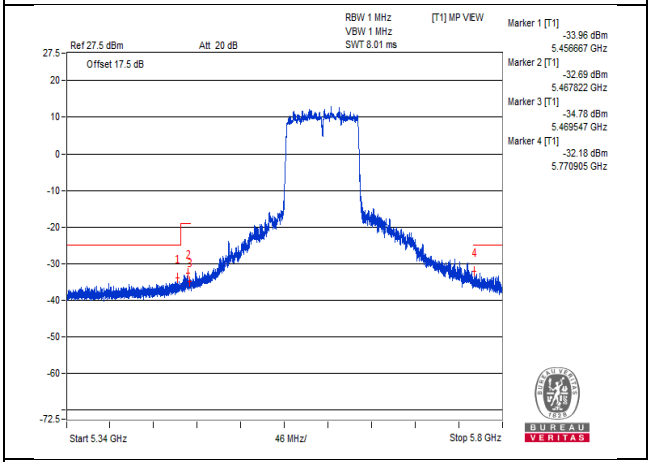


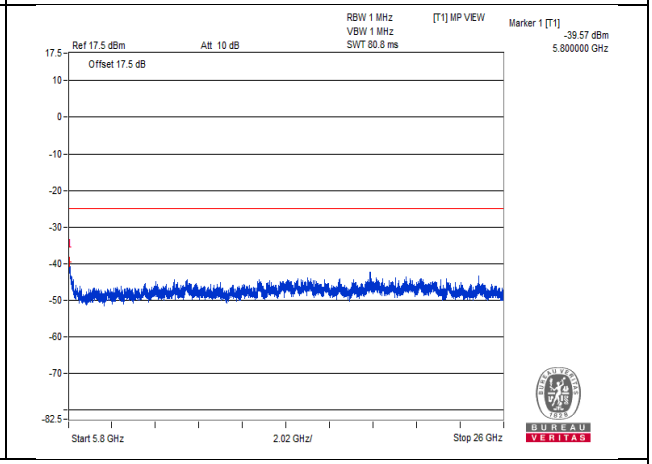
CH 106 (5530MHz)

Vnormal

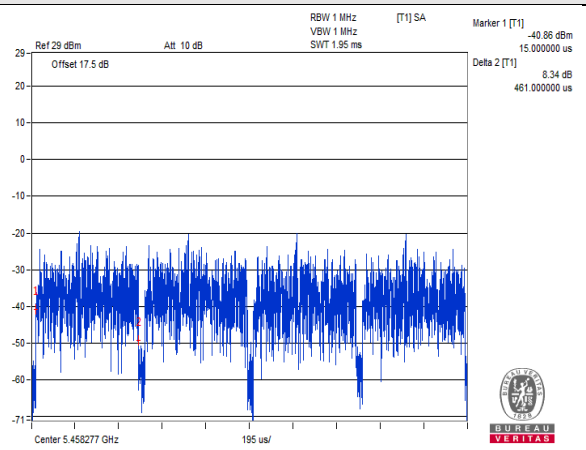
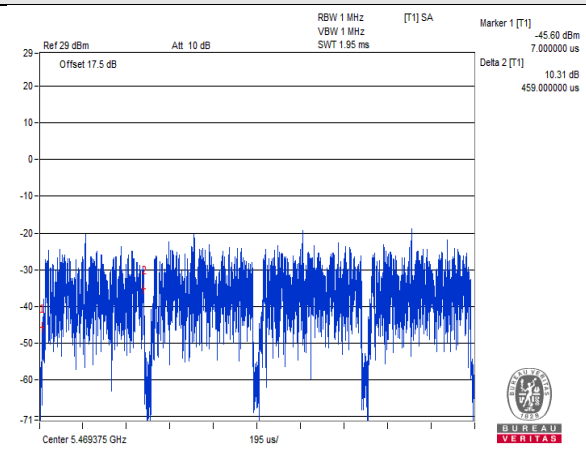
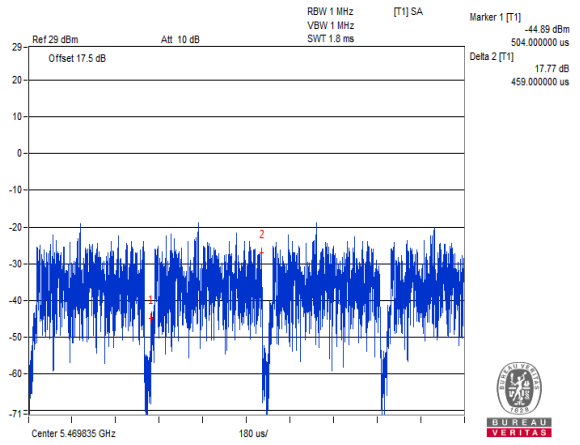








CH 122 (5610MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5458.277MHz	P = 0.43919uW	2	5469.375MHz	P = 0.400811uW
					
3	5469.835MHz	P = 0.549834uW			

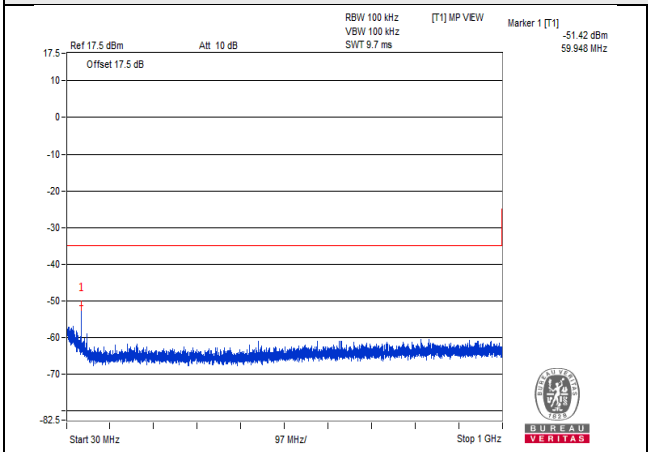
Chain 1

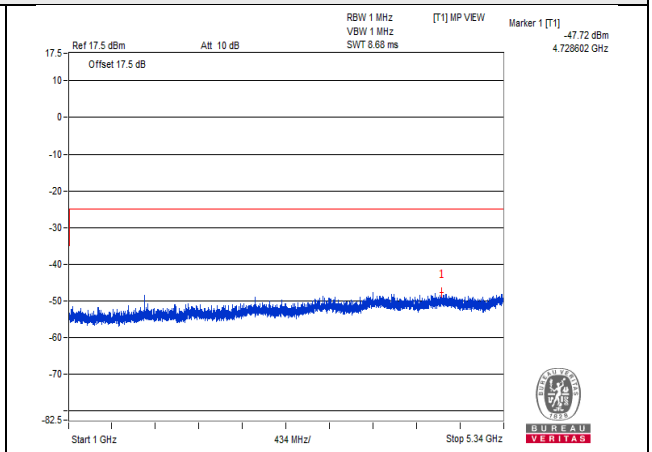
Test Channel		CH 106 (5530MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	59.948	0.007211	0.312	Pass
	1000.0 to 5340.0	4728.602	0.016904	3.125	Pass
	5340.0 to 5460.0	5458.277	0.293995	3.125	Pass(1)
	5460.0 to 5469.5	5463.797	4.943107	12.500	Pass
	5469.5 to 5470.0	5469.892	3.664376	12.800	Pass
	5770.0 to 5800.0	5774.987	0.198609	3.125	Pass
	5800.0 to 26000.0	5802.525	0.063096	3.125	Pass
Test Channel		**CH 122 (5610MHz)**			
V_{normal}	30.0 to 1000.0	59.948	0.007870	0.312	Pass
	1000.0 to 5340.0	4079.230	0.021281	3.125	Pass
	5340.0 to 5460.0	5444.132	0.325087	3.125	Pass
	5460.0 to 5469.5	5463.912	0.434510	12.500	Pass
	5469.5 to 5470.0	5469.500	0.277332	12.500	Pass
	5770.0 to 5800.0	5779.070	0.657658	3.125	Pass
	5800.0 to 26000.0	5802.525	0.101158	3.125	Pass

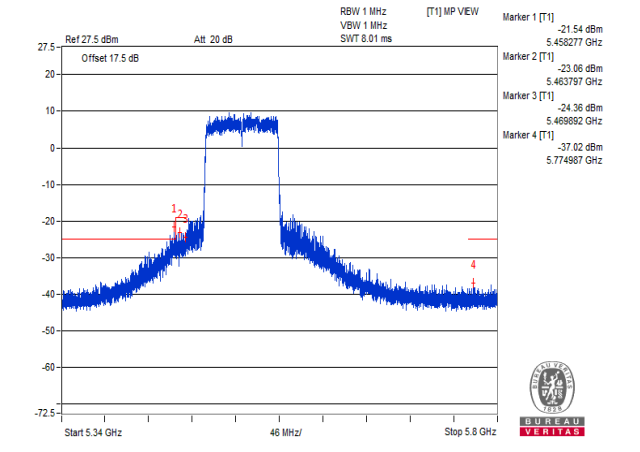
Note: 1. The spectrum plots are attached on the following pages.

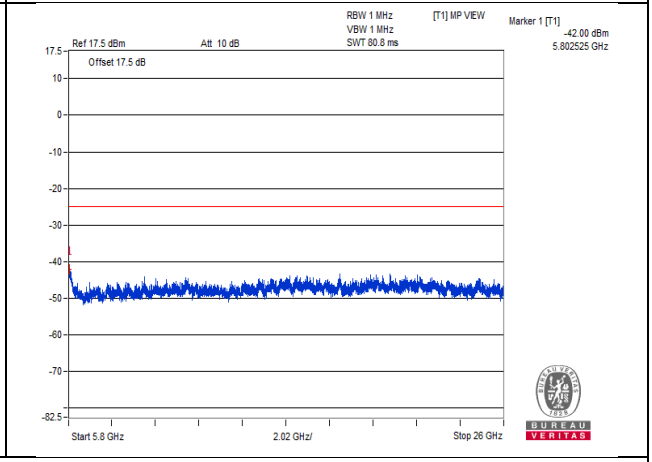
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



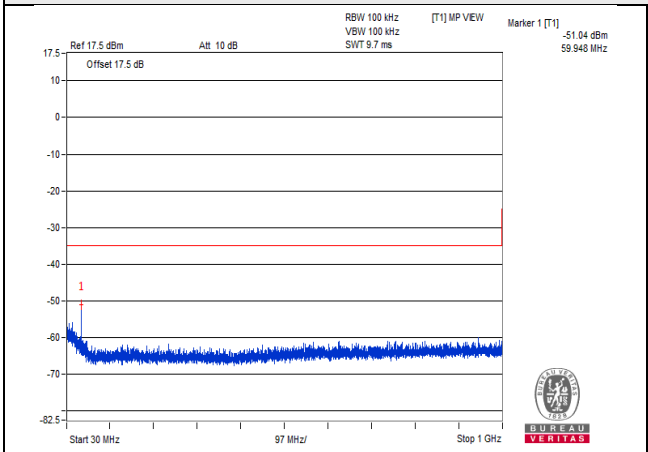


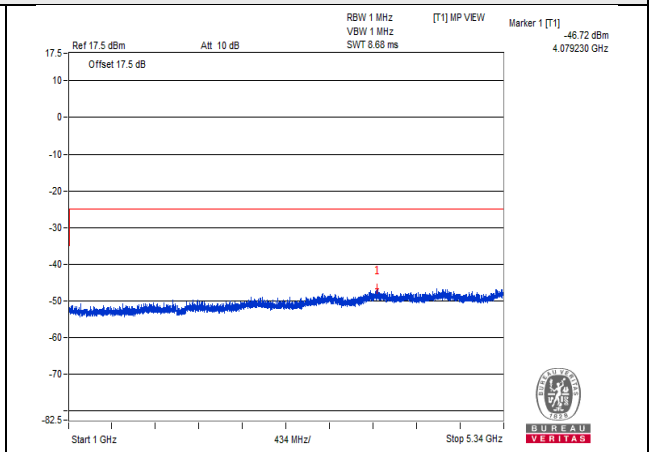


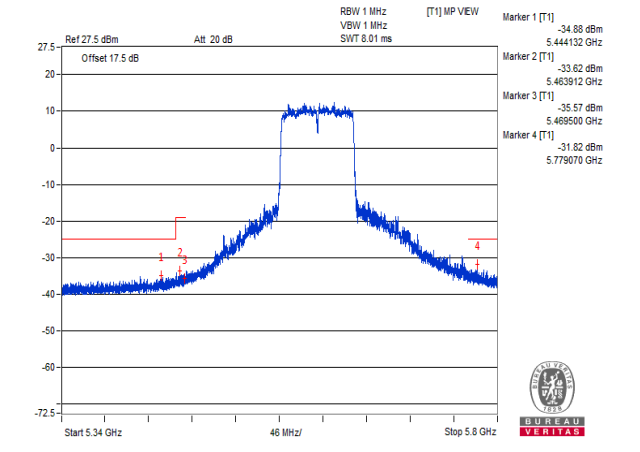


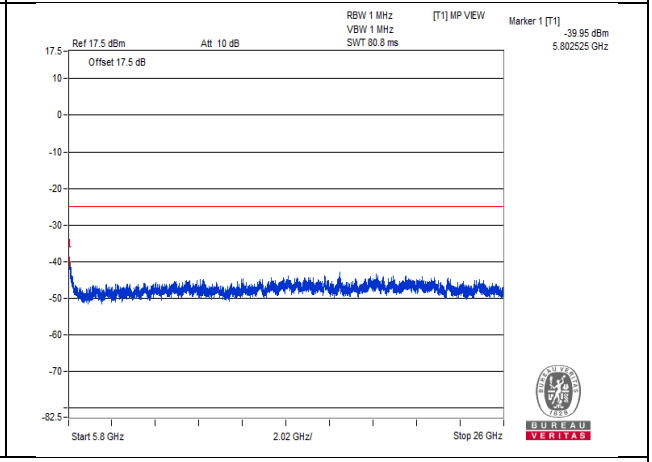
CH 106 (5530MHz)

Vnormal

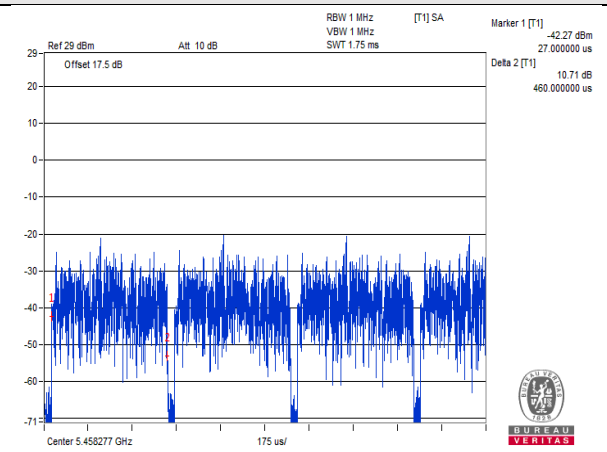








CH 122 (5610MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5458.277MHz	P = 0.293995uW			

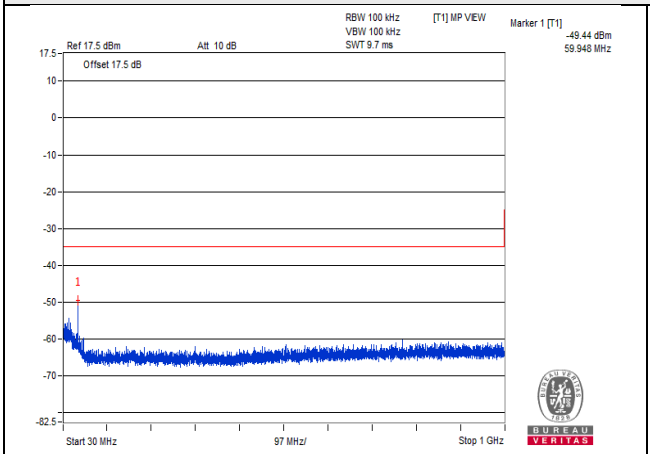
Chain 2

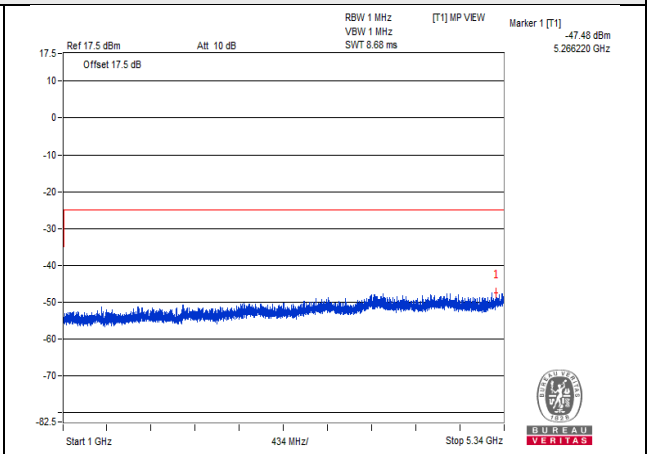
Test Channel		CH 106 (5530MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	59.948	0.011376	0.312	Pass
	1000.0 to 5340.0	5266.220	0.017865	3.125	Pass
	5340.0 to 5460.0	5458.162	0.379318	3.125	Pass(1)
	5460.0 to 5469.5	5466.040	5.636377	12.500	Pass
	5469.5 to 5470.0	5469.605	4.456562	12.800	Pass
	5770.0 to 5800.0	5796.147	0.188799	3.125	Pass
	5800.0 to 26000.0	5815.150	0.072277	3.125	Pass
Test Channel		CH 122 (5610MHz)			
V_{normal}	30.0 to 1000.0	59.948	0.007586	0.312	Pass
	1000.0 to 5340.0	4181.762	0.018578	3.125	Pass
	5340.0 to 5460.0	5455.287	0.445656	3.125	Pass
	5460.0 to 5469.5	5463.510	0.402717	12.500	Pass
	5469.5 to 5470.0	5470.000	0.379315	12.800	Pass
	5770.0 to 5800.0	5770.790	0.516416	3.125	Pass
	5800.0 to 26000.0	5830.300	0.109901	3.125	Pass

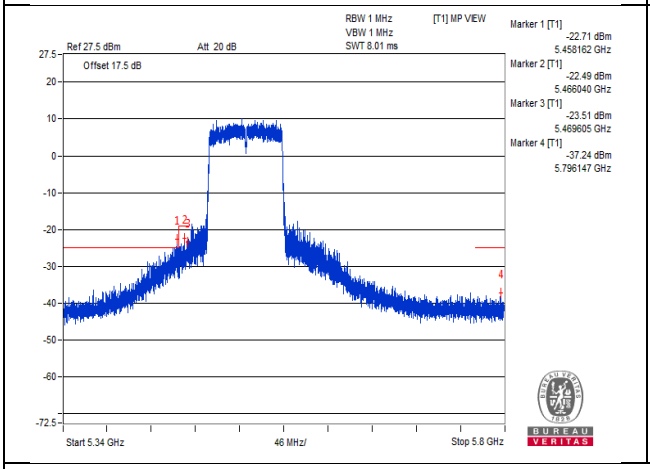
Note: 1. The spectrum plots are attached on the following pages.

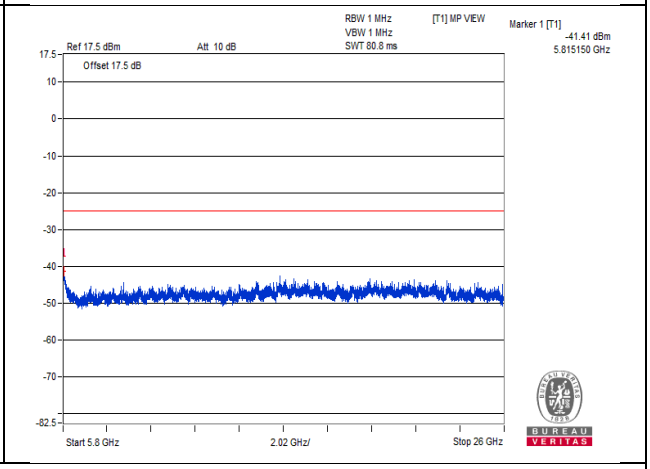
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



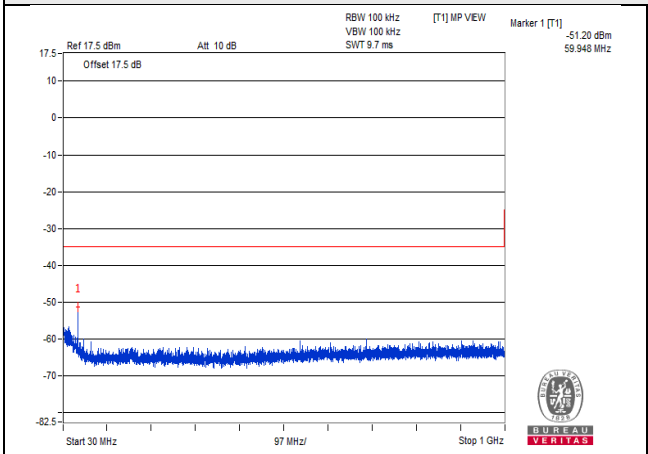


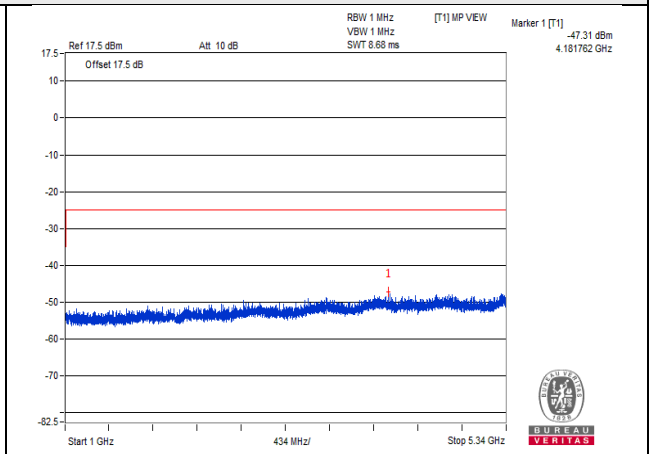


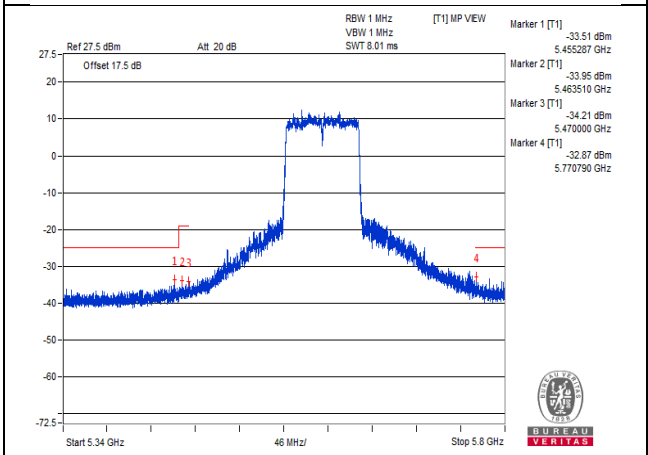


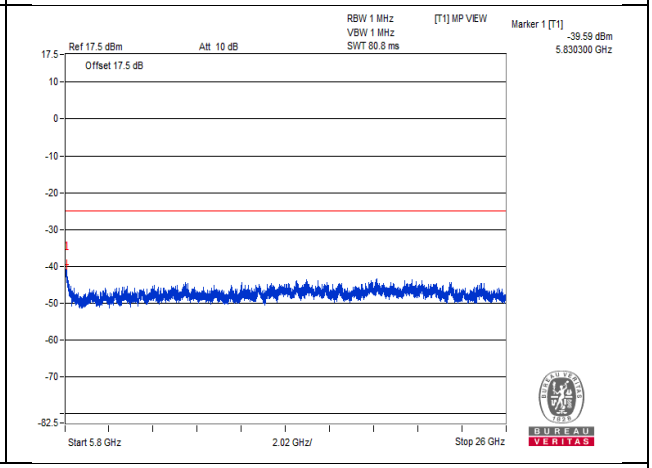
CH 106 (5530MHz)

Vnormal

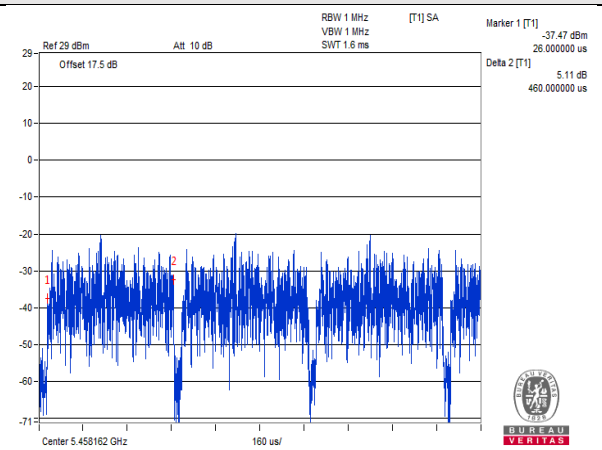








CH 122 (5610MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5458.162MHz	P = 0.379318uW			

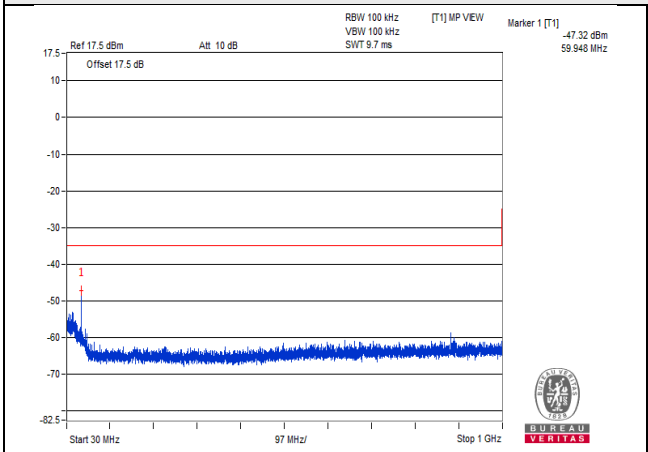
Chain 3

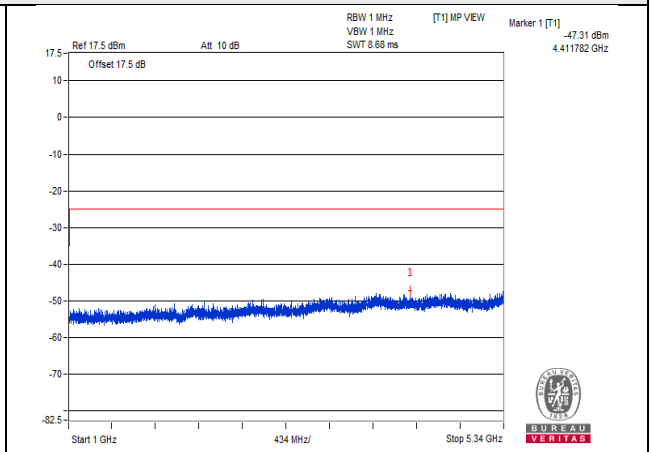
Test Channel		CH 106 (5530MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	59.948	0.018535	0.312	Pass
	1000.0 to 5340.0	4411.782	0.018578	3.125	Pass
	5340.0 to 5460.0	5458.105	0.499902	3.125	Pass(1)
	5460.0 to 5469.5	5469.490	0.778926	12.500	Pass(2)
	5469.5 to 5470.0	5469.605	0.605857	12.800	Pass(3)
	5770.0 to 5800.0	5780.335	0.289068	3.125	Pass
	5800.0 to 26000.0	5820.200	0.071450	3.125	Pass
Test Channel		**CH 122 (5610MHz)**			
V_{normal}	30.0 to 1000.0	59.948	0.012023	0.312	Pass
	1000.0 to 5340.0	4027.692	0.017660	3.125	Pass
	5340.0 to 5460.0	5459.197	0.523600	3.125	Pass
	5460.0 to 5469.5	5465.177	0.712853	12.500	Pass
	5469.5 to 5470.0	5469.605	0.353183	12.800	Pass
	5770.0 to 5800.0	5773.262	0.547016	3.125	Pass
	5800.0 to 26000.0	5805.050	0.180717	3.125	Pass

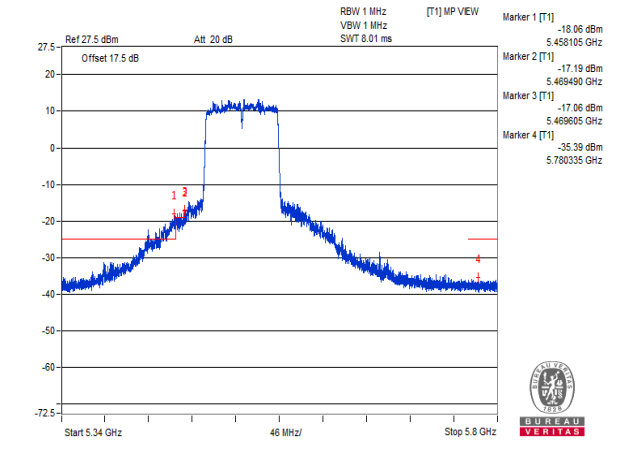
Note: 1. The spectrum plots are attached on the following pages.

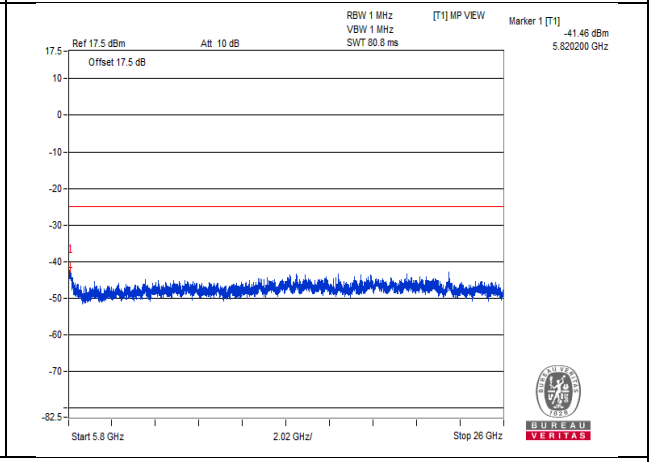
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



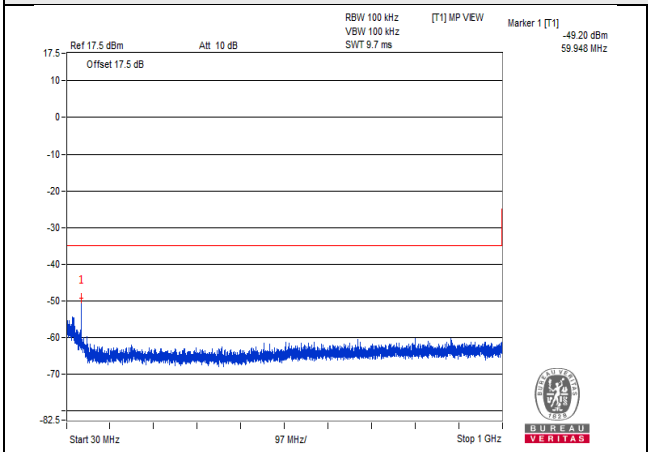


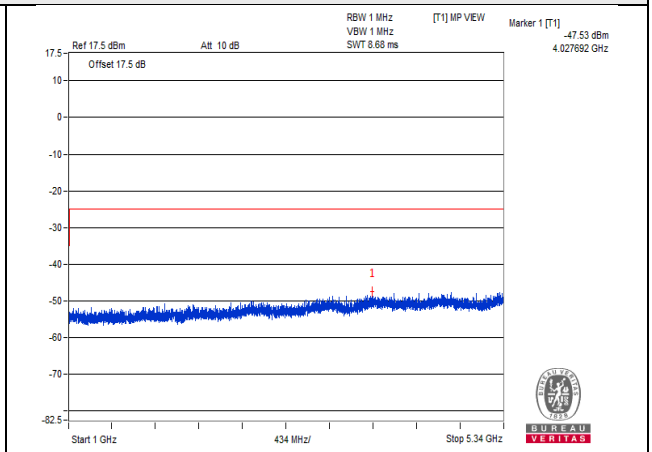


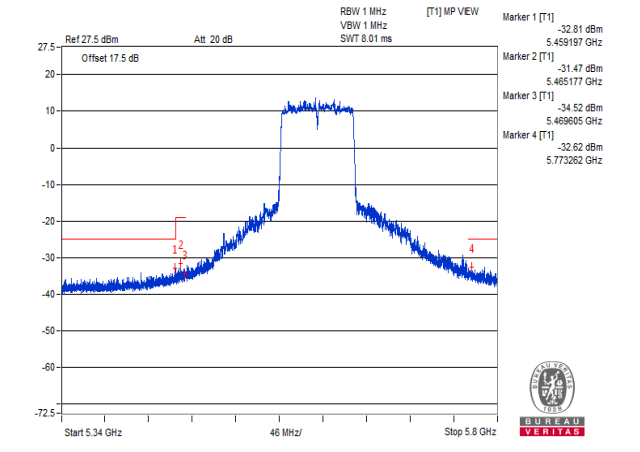


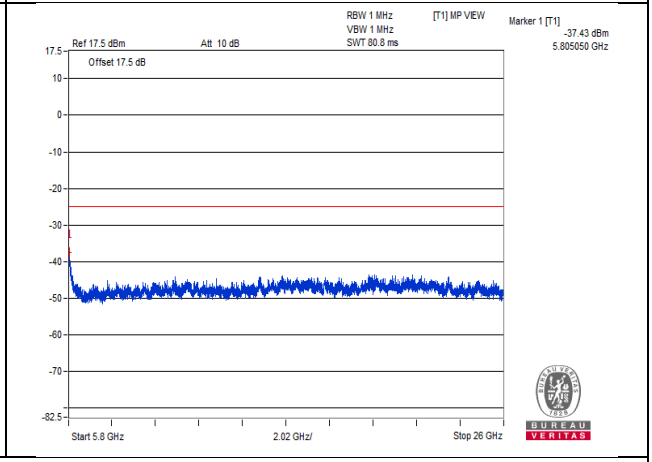
CH 106 (5530MHz)

Vnormal

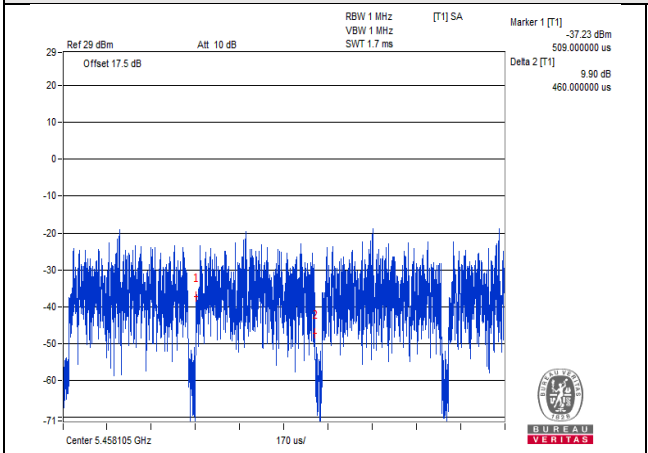
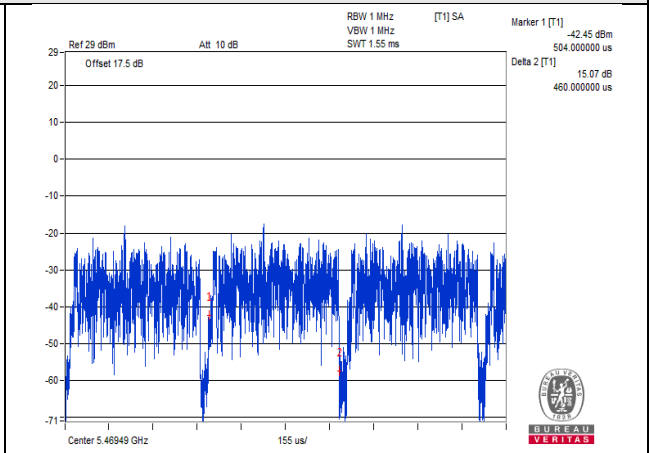
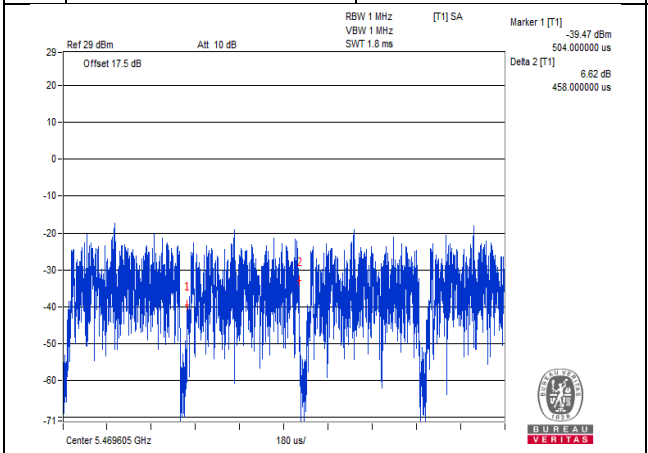








CH 122 (5610MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5458.105MHz	P = 0.499902uW	2	5469.490MHz	P = 0.778926uW
					
3	5469.605MHz	P = 0.605857uW			

[Worst result] x [Number of antenna ports]

Test Channel		CH 106 (5530MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.074140	1.248	Pass
	1000.0 to 5340.0	0.074312	12.5	Pass
	5340.0 to 5460.0	1.999608	12.5	Pass
	5460.0 to 5469.5	22.545508	50	Pass
	5469.5 to 5470.0	17.826248	51.2	Pass
	5770.0 to 5800.0	1.556180	12.5	Pass
	5800.0 to 26000.0	0.289108	12.5	Pass
Test Channel		**CH 122 (5610MHz)**		
V_{normal}	30.0 to 1000.0	0.048092	1.248	Pass
	1000.0 to 5340.0	0.085124	12.5	Pass
	5340.0 to 5460.0	2.094400	12.5	Pass
	5460.0 to 5469.5	2.851412	50	Pass
	5469.5 to 5470.0	1.517260	51.2	Pass
	5770.0 to 5800.0	2.630632	12.5	Pass
	5800.0 to 26000.0	0.722868	12.5	Pass

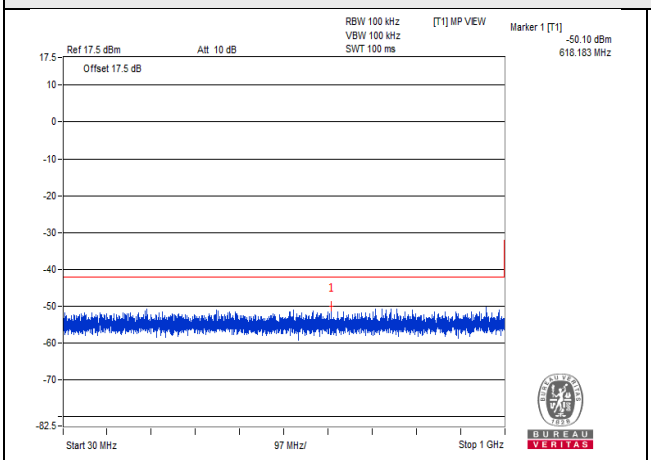
Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

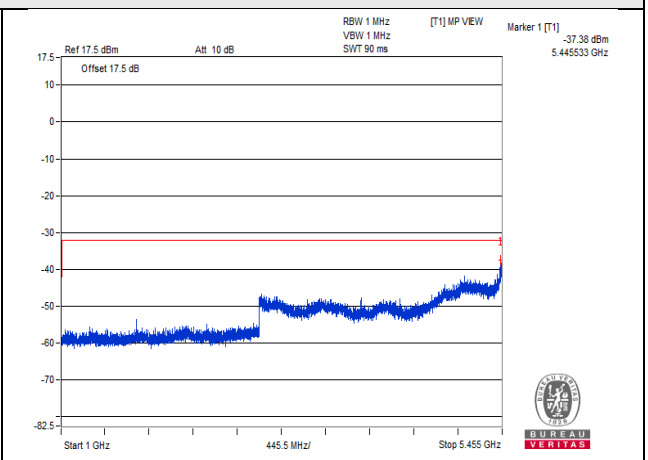
W56 Band:
802.11ax (HE20)
Chain 0

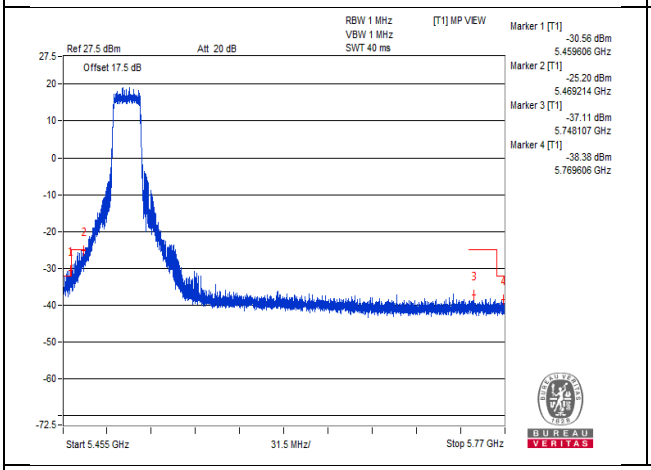
Test Channel		CH 100 (5500MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	618.183	0.009772	0.062	Pass
	1000.0 to 5455.0	5445.533	0.182810	0.625	Pass
	5455.0 to 5460.0	5459.606	0.019856	0.625	Pass(1)
	5460.0 to 5470.0	5469.214	3.019952	3.125	Pass
	5745.0 to 5765.0	5748.107	0.194536	3.125	Pass
	5765.0 to 5770.0	5769.606	0.145211	0.625	Pass
	5770.0 to 26000.0	22093.081	0.054828	0.625	Pass
Test Channel		**CH 120 (5600MHz)**			
V_{normal}	30.0 to 1000.0	549.071	0.008690	0.062	Pass
	1000.0 to 5455.0	5231.136	0.046452	0.625	Pass
	5455.0 to 5460.0	5456.653	0.169824	0.625	Pass
	5460.0 to 5470.0	5461.851	0.161436	3.125	Pass
	5745.0 to 5765.0	5756.494	0.168267	3.125	Pass
	5765.0 to 5770.0	5767.676	0.142233	0.625	Pass
	5770.0 to 26000.0	22070.322	0.044055	0.625	Pass
Test Channel		**CH 140 (5700MHz)**			
V_{normal}	30.0 to 1000.0	736.645	0.010814	0.062	Pass
	1000.0 to 5455.0	5453.886	0.071779	0.625	Pass
	5455.0 to 5460.0	5455.000	0.274789	0.625	Pass
	5460.0 to 5470.0	5468.505	0.211836	3.125	Pass
	5745.0 to 5765.0	5745.075	2.443431	3.125	Pass
	5765.0 to 5770.0	5765.275	0.470977	0.625	Pass
	5770.0 to 26000.0	5772.528	0.089743	0.625	Pass

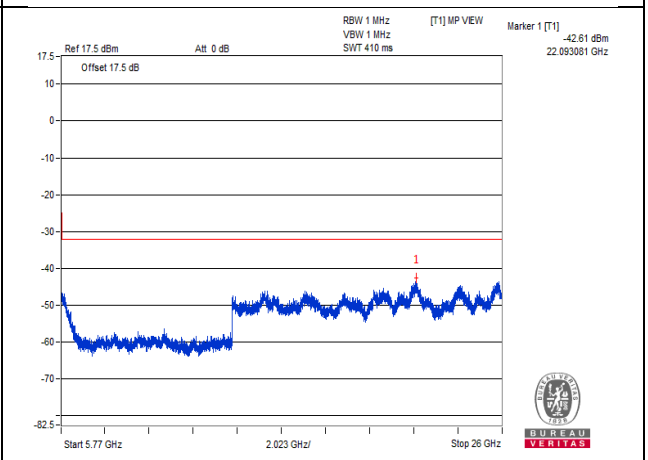
Note: 1. The spectrum plots are attached on the following pages.
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



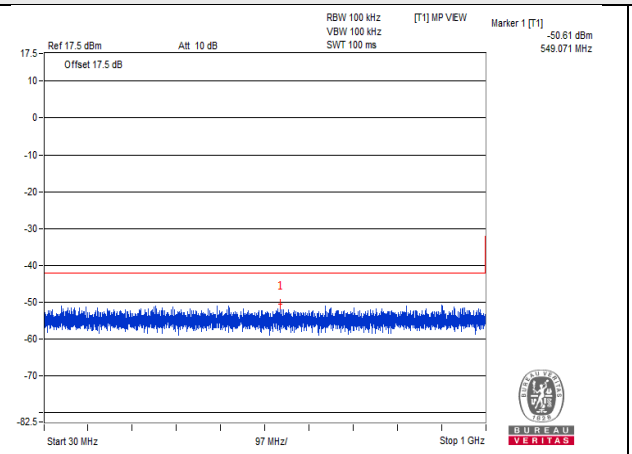


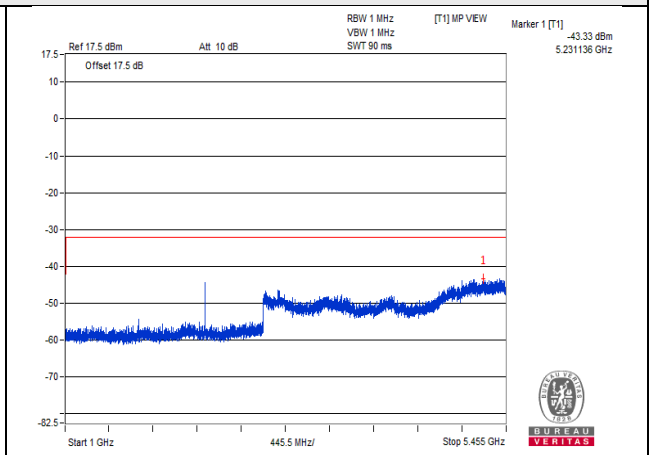


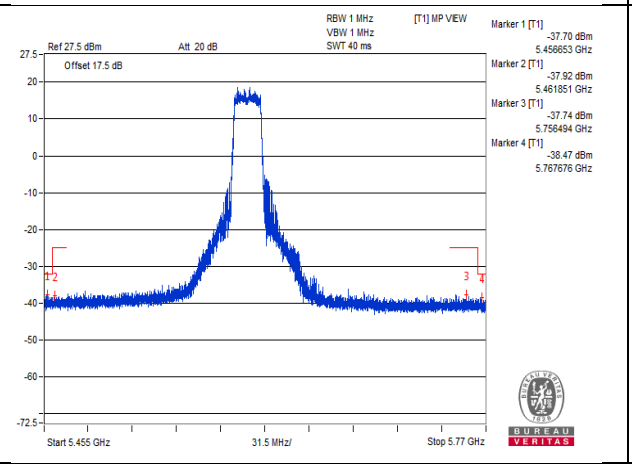


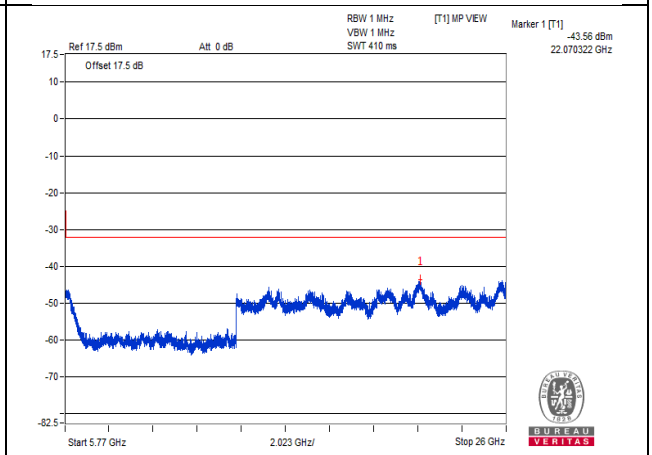
CH 100 (5500MHz)

Vnormal



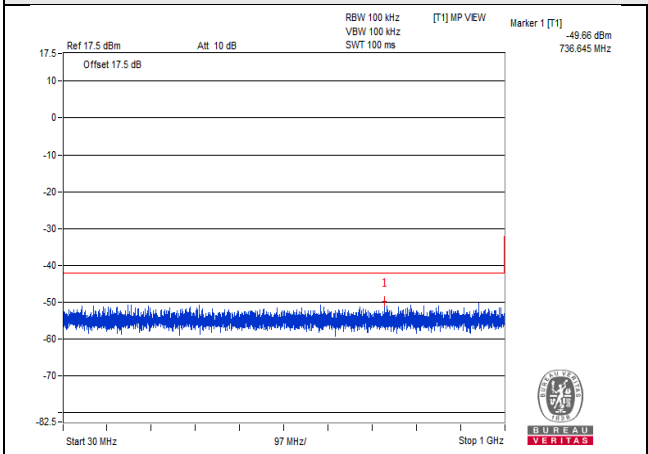


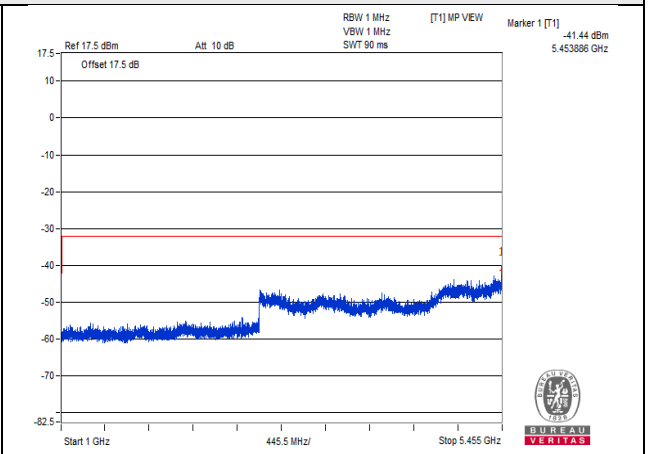


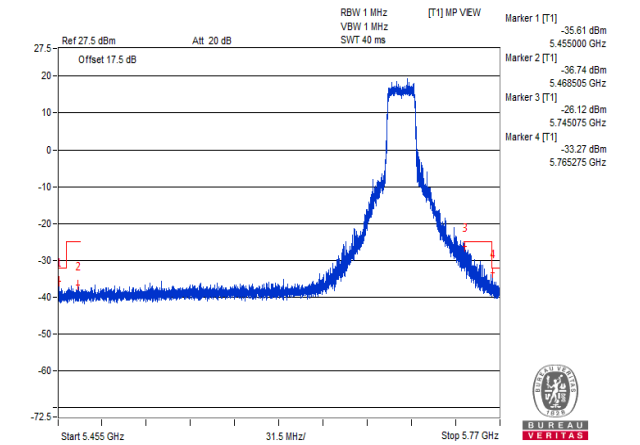


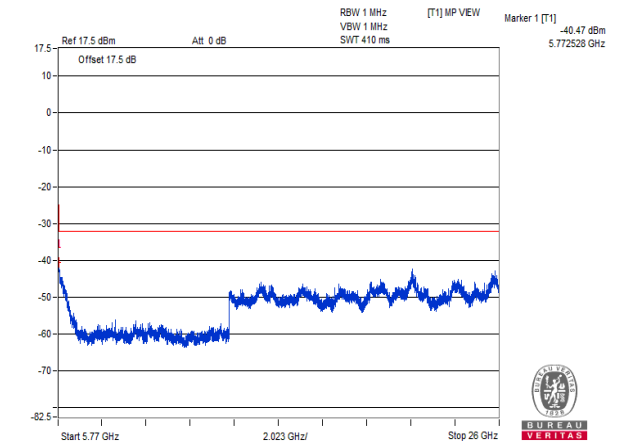
CH 120 (5600MHz)

Vnormal

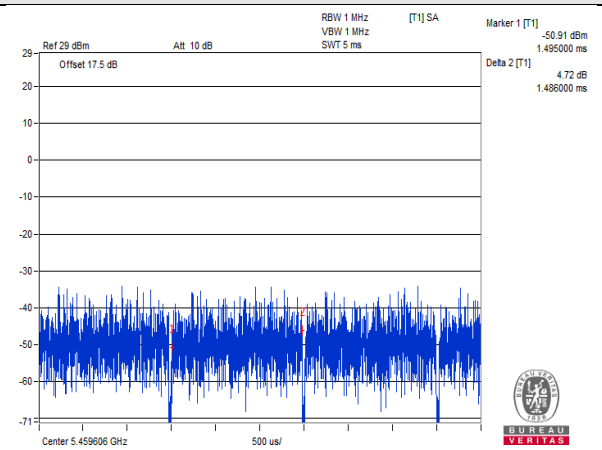








CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5459.606MHz	P = 0.019856uW			

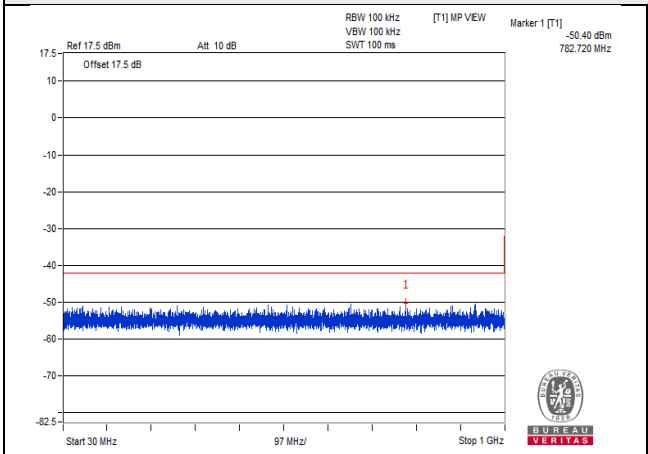
Chain 1

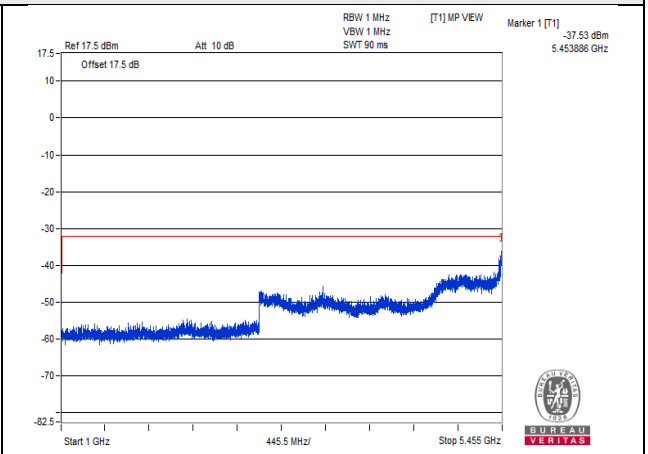
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	782.720	0.009120	0.062	Pass
	1000.0 to 5455.0	5453.886	0.176604	0.625	Pass
	5455.0 to 5460.0	5459.882	0.034140	0.625	Pass(1)
	5460.0 to 5470.0	5466.851	0.106478	3.125	Pass(2)
	5745.0 to 5765.0	5747.201	0.151356	3.125	Pass
	5765.0 to 5770.0	5769.645	0.174985	0.625	Pass
	5770.0 to 26000.0	25752.182	0.048865	0.625	Pass
Test Channel		CH 120 (5600MHz)			
V_{normal}	30.0 to 1000.0	610.908	0.009036	0.062	Pass
	1000.0 to 5455.0	5427.713	0.056364	0.625	Pass
	5455.0 to 5460.0	5457.047	0.189671	0.625	Pass
	5460.0 to 5470.0	5468.938	0.236592	3.125	Pass
	5745.0 to 5765.0	5746.099	0.168655	3.125	Pass
	5765.0 to 5770.0	5766.377	0.157761	0.625	Pass
	5770.0 to 26000.0	21974.230	0.061802	0.625	Pass
Test Channel		CH 140 (5700MHz)			
V_{normal}	30.0 to 1000.0	879.962	0.009397	0.062	Pass
	1000.0 to 5455.0	5453.329	0.053580	0.625	Pass
	5455.0 to 5460.0	5455.826	0.161436	0.625	Pass
	5460.0 to 5470.0	5467.678	0.219280	3.125	Pass
	5745.0 to 5765.0	5745.981	2.506109	3.125	Pass
	5765.0 to 5770.0	5768.031	0.331894	0.625	Pass
	5770.0 to 26000.0	5770.000	0.079799	0.625	Pass

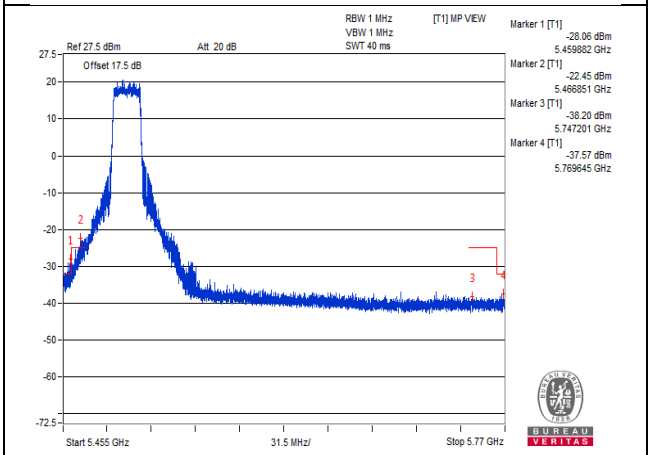
Note: 1. The spectrum plots are attached on the following pages.

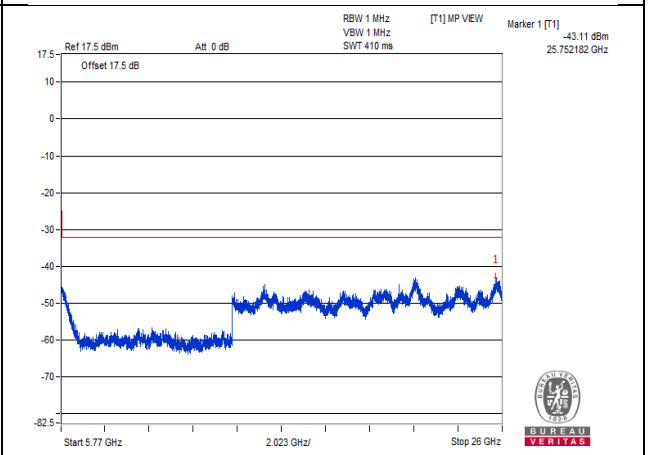
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



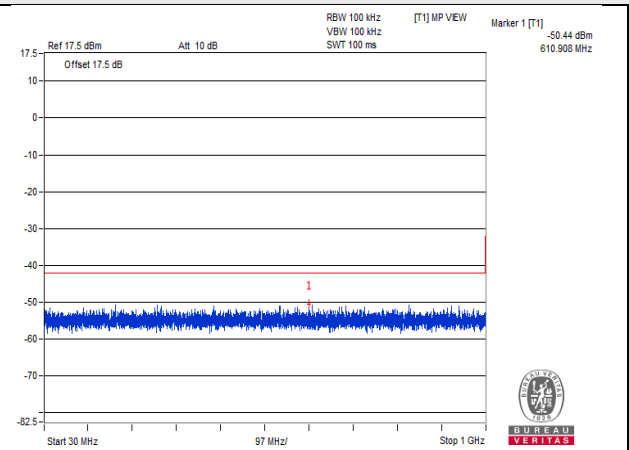


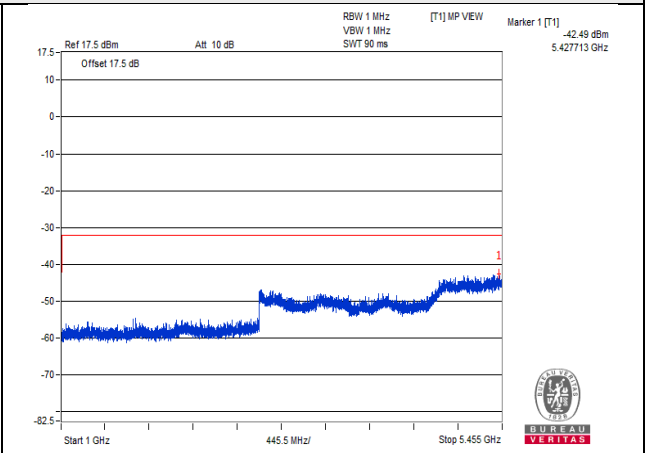


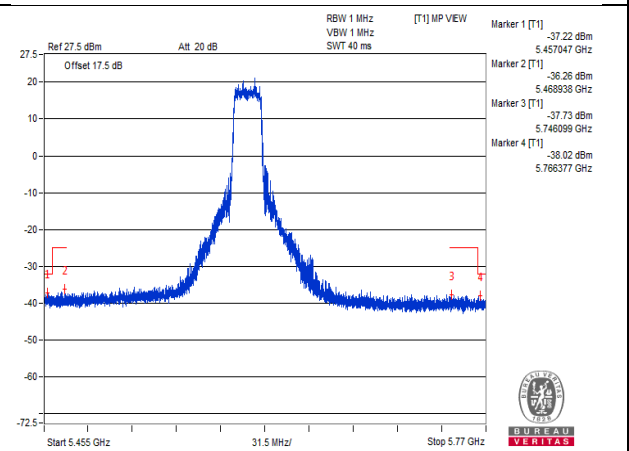


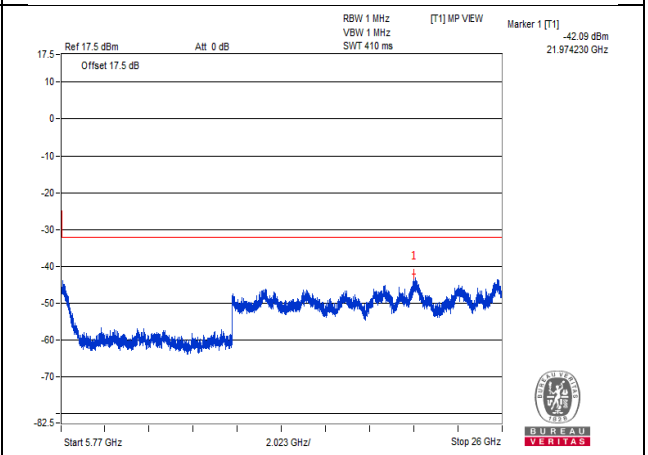
CH 100 (5500MHz)

Vnormal



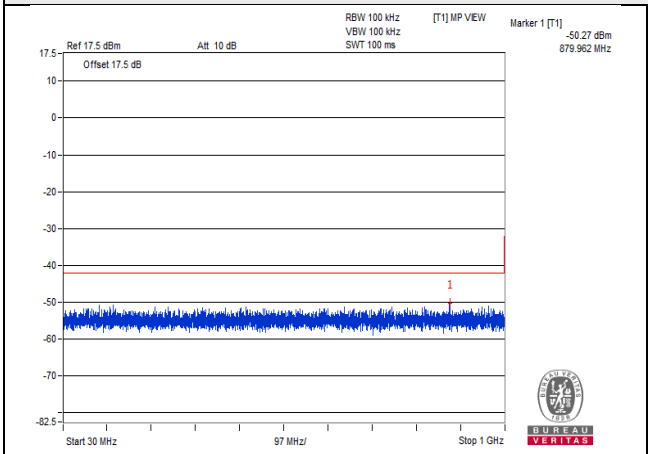


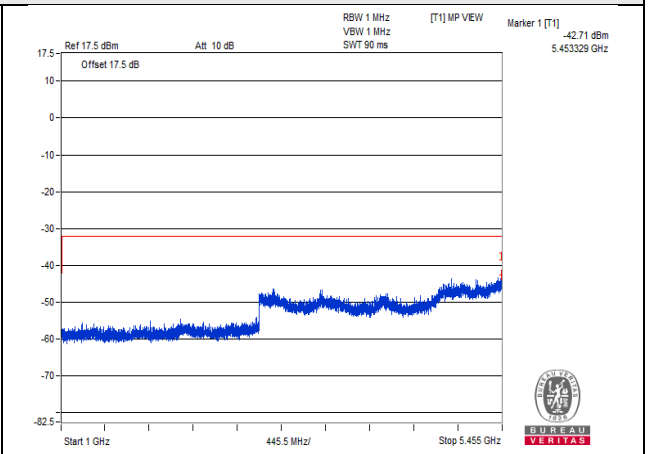


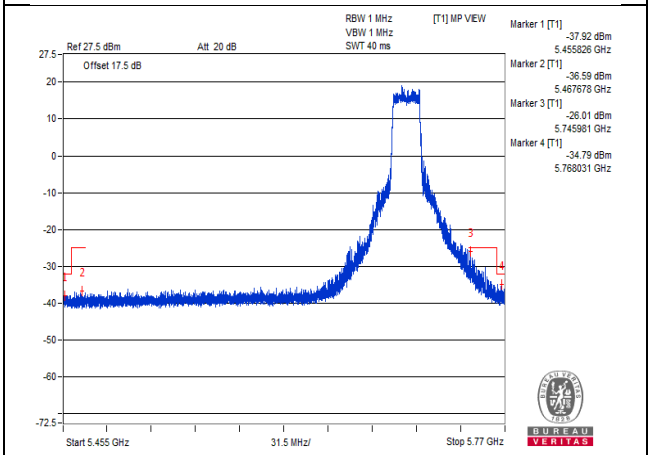


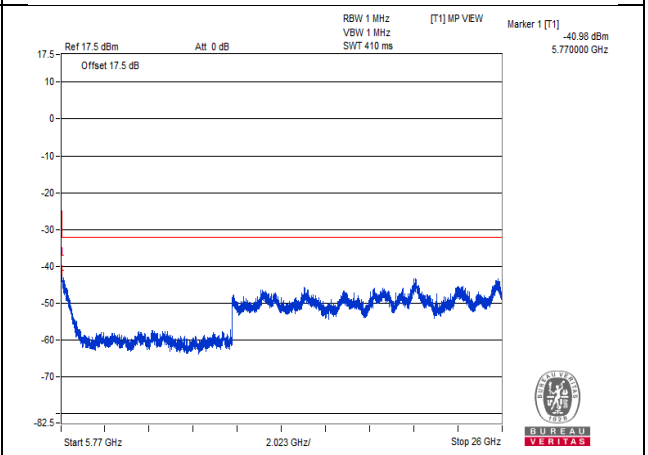
CH 120 (5600MHz)

Vnormal





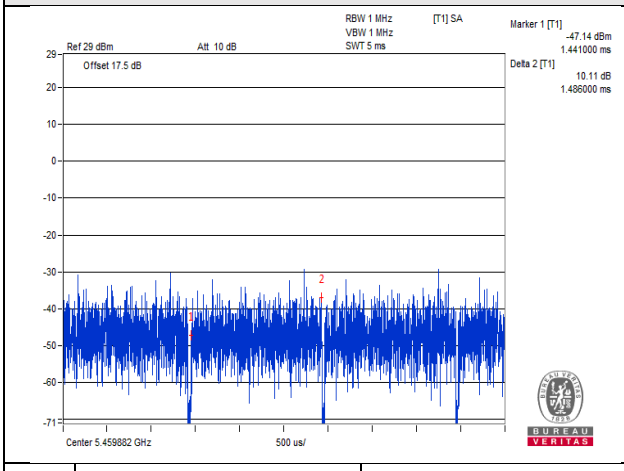


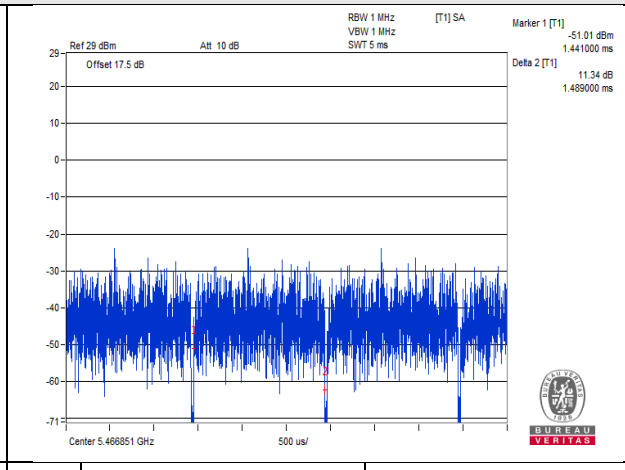


CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal





1	5459.882MHz	P = 0.03414uW	2	5466.851MHz	P = 0.106478uW

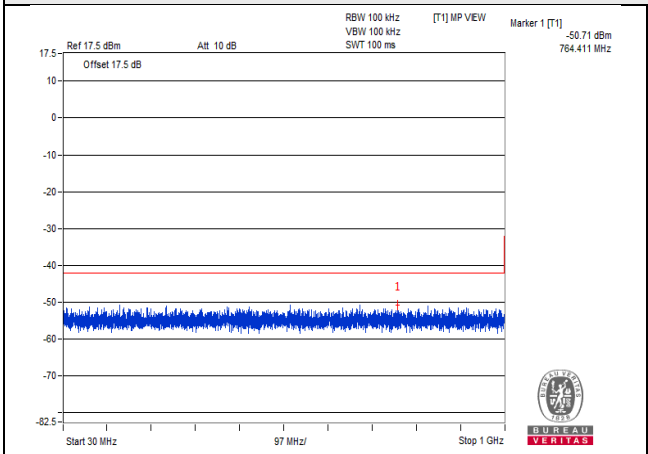
Chain 2

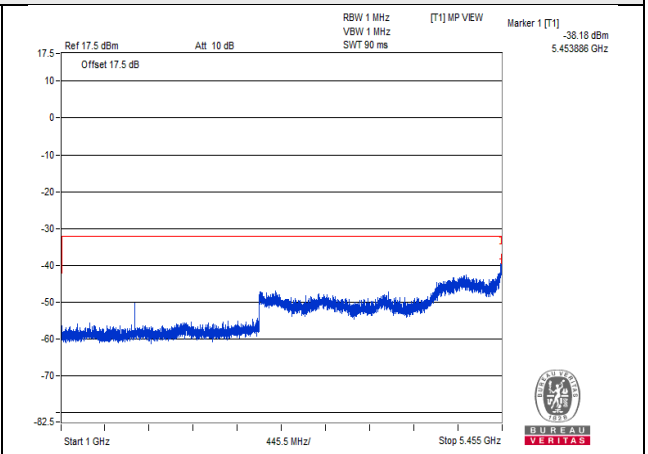
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	764.411	0.008492	0.062	Pass
	1000.0 to 5455.0	5453.886	0.152055	0.625	Pass
	5455.0 to 5460.0	5459.488	0.017939	0.625	Pass(1)
	5460.0 to 5470.0	5469.056	2.978516	3.125	Pass
	5745.0 to 5765.0	5756.573	0.169824	3.125	Pass
	5765.0 to 5770.0	5767.125	0.150661	0.625	Pass
	5770.0 to 26000.0	25853.332	0.058210	0.625	Pass
Test Channel		**CH 120 (5600MHz)**			
V_{normal}	30.0 to 1000.0	960.593	0.009705	0.062	Pass
	1000.0 to 5455.0	5076.881	0.062517	0.625	Pass
	5455.0 to 5460.0	5457.244	0.188799	0.625	Pass
	5460.0 to 5470.0	5464.056	0.230675	3.125	Pass
	5745.0 to 5765.0	5758.778	0.175388	3.125	Pass
	5765.0 to 5770.0	5769.133	0.143219	0.625	Pass
	5770.0 to 26000.0	22082.966	0.049204	0.625	Pass
Test Channel		**CH 140 (5700MHz)**			
V_{normal}	30.0 to 1000.0	965.080	0.008166	0.062	Pass
	1000.0 to 5455.0	5089.133	0.039994	0.625	Pass
	5455.0 to 5460.0	5459.449	0.153462	0.625	Pass
	5460.0 to 5470.0	5465.434	0.158489	3.125	Pass
	5745.0 to 5765.0	5746.138	1.995262	3.125	Pass
	5765.0 to 5770.0	5765.983	0.279898	0.625	Pass
	5770.0 to 26000.0	5772.528	0.106660	0.625	Pass

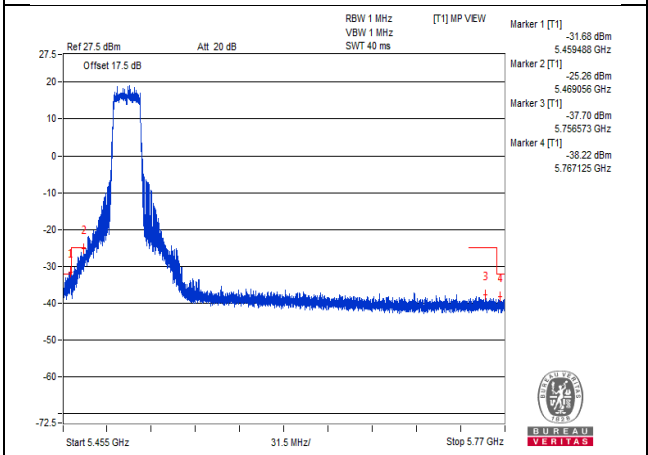
Note: 1. The spectrum plots are attached on the following pages.

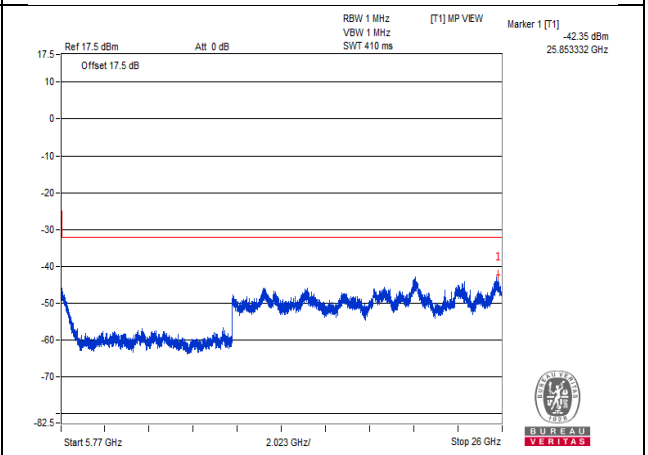
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



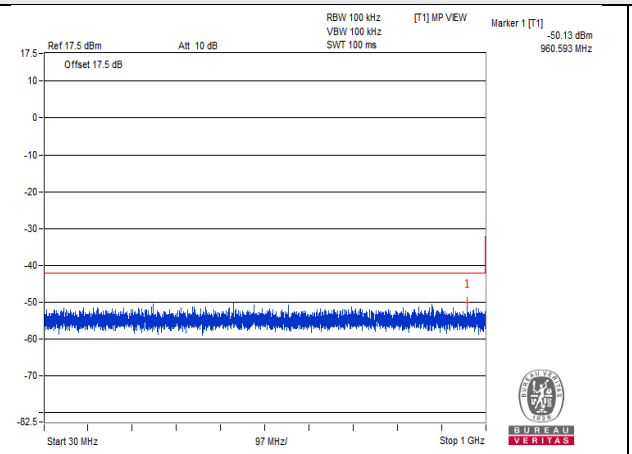


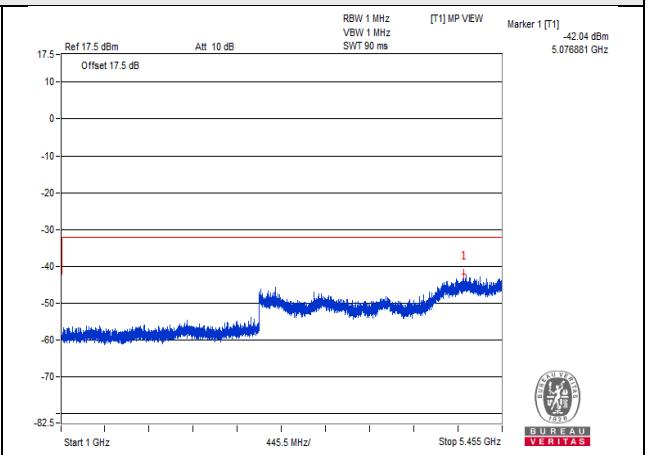


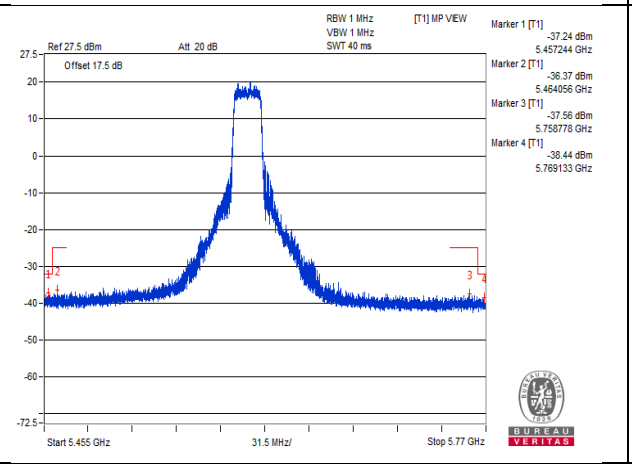


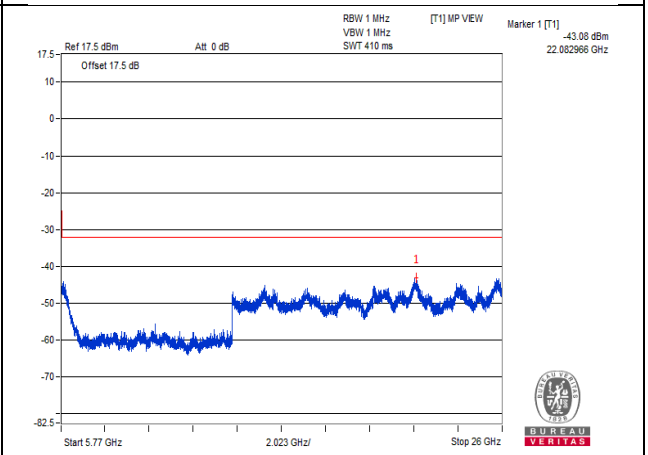
CH 100 (5500MHz)

Vnormal



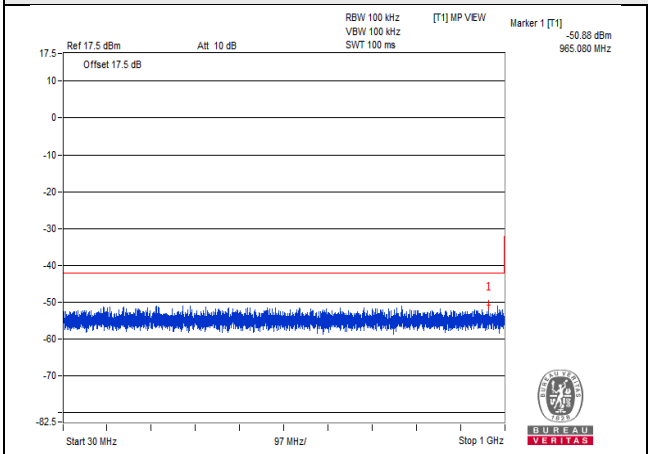


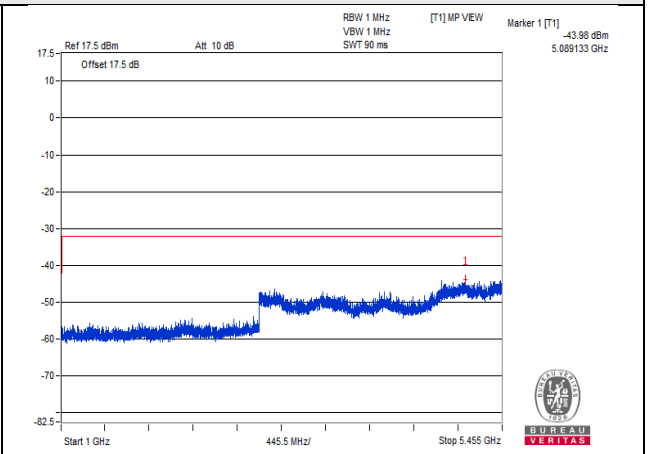


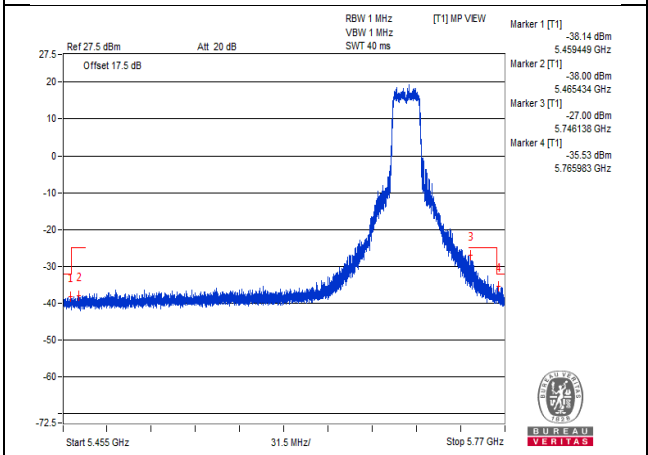


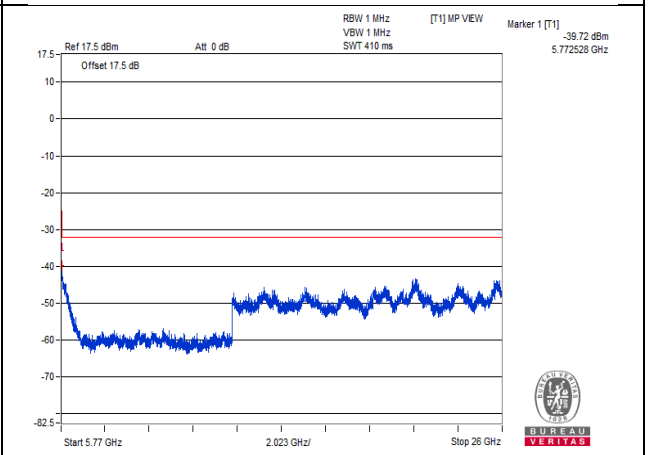
CH 120 (5600MHz)

Vnormal

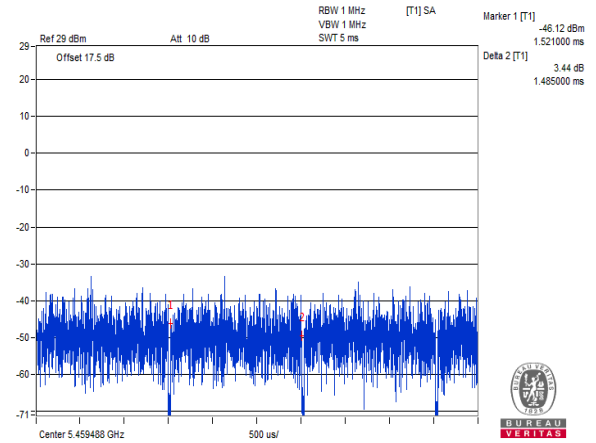








CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5459.488MHz	P = 0.017939uW			

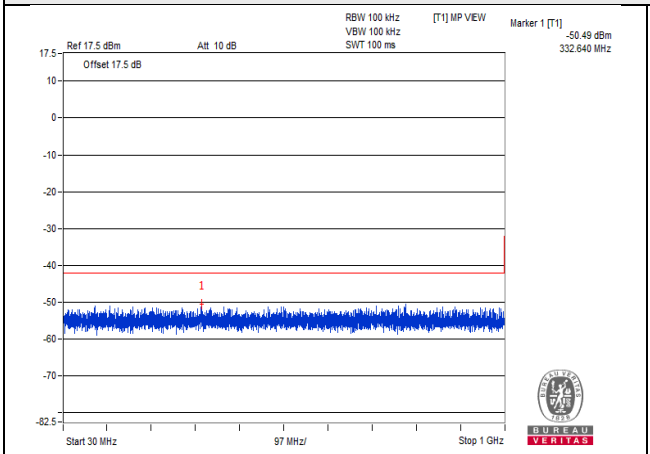
Chain 3

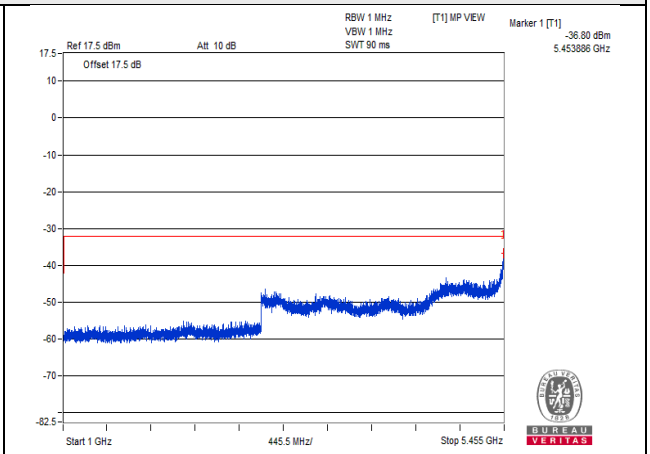
Test Channel		CH 100 (5500MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	332.64	0.008933	0.062	Pass
	1000.0 to 5455.0	5453.886	0.208930	0.625	Pass
	5455.0 to 5460.0	5459.803	0.020836	0.625	Pass(1)
	5460.0 to 5470.0	5468.387	0.055652	3.125	Pass(2)
	5745.0 to 5765.0	5754.683	0.131826	3.125	Pass
	5765.0 to 5770.0	5767.598	0.130317	0.625	Pass
	5770.0 to 26000.0	25729.423	0.043152	0.625	Pass
Test Channel		CH 120 (5600MHz)			
V_{normal}	30.0 to 1000.0	526.518	0.009638	0.062	Pass
	1000.0 to 5455.0	5256.195	0.036983	0.625	Pass
	5455.0 to 5460.0	5458.898	0.159221	0.625	Pass
	5460.0 to 5470.0	5460.512	0.193197	3.125	Pass
	5745.0 to 5765.0	5748.107	0.168267	3.125	Pass
	5765.0 to 5770.0	5768.897	0.129718	0.625	Pass
	5770.0 to 26000.0	25868.505	0.058210	0.625	Pass
Test Channel		CH 140 (5700MHz)			
V_{normal}	30.0 to 1000.0	305.116	0.008710	0.062	Pass
	1000.0 to 5455.0	5455.000	0.033651	0.625	Pass
	5455.0 to 5460.0	5455.354	0.154170	0.625	Pass
	5460.0 to 5470.0	5468.820	0.162555	3.125	Pass
	5745.0 to 5765.0	5746.965	1.267652	3.125	Pass
	5765.0 to 5770.0	5765.275	0.350752	0.625	Pass
	5770.0 to 26000.0	5772.528	0.076384	0.625	Pass

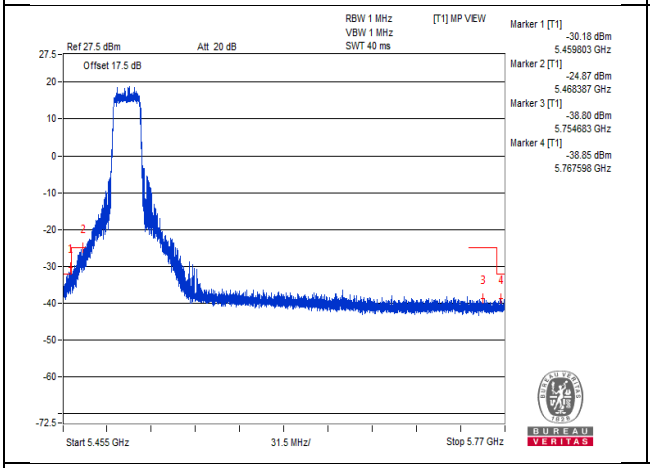
Note: 1. The spectrum plots are attached on the following pages.

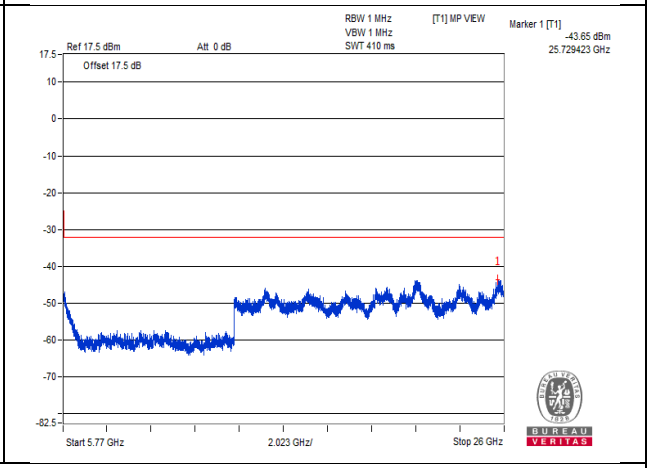
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



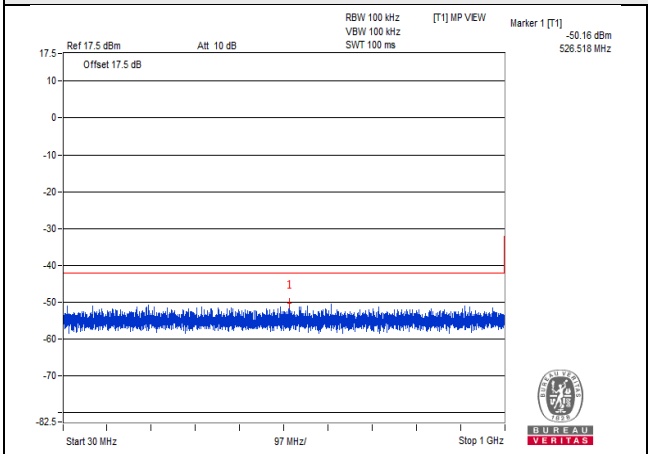


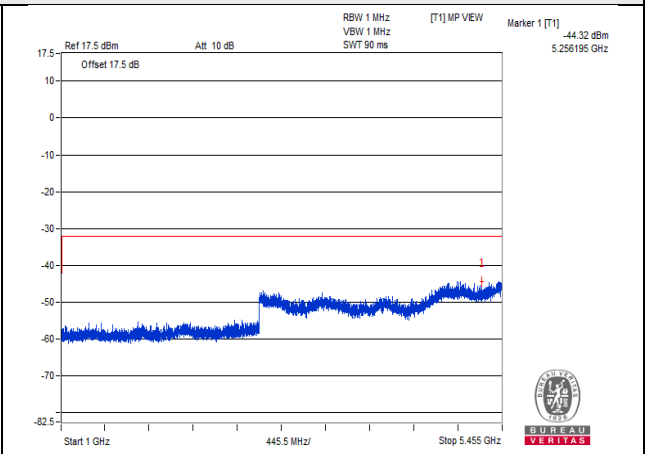


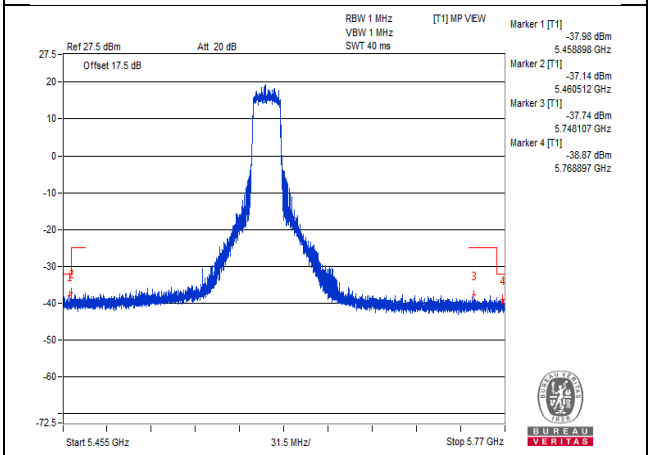


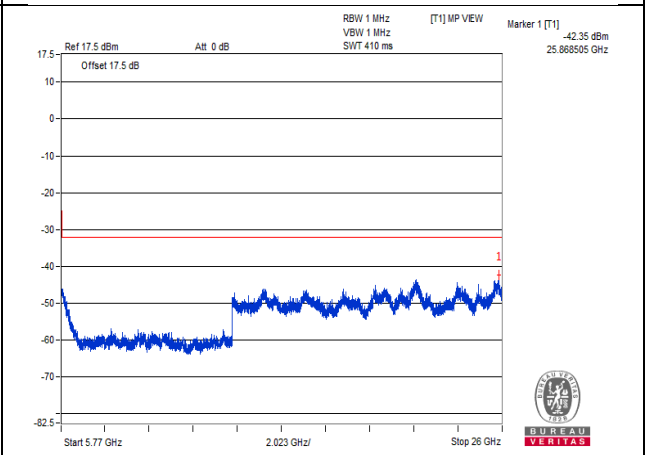
CH 100 (5500MHz)

Vnormal



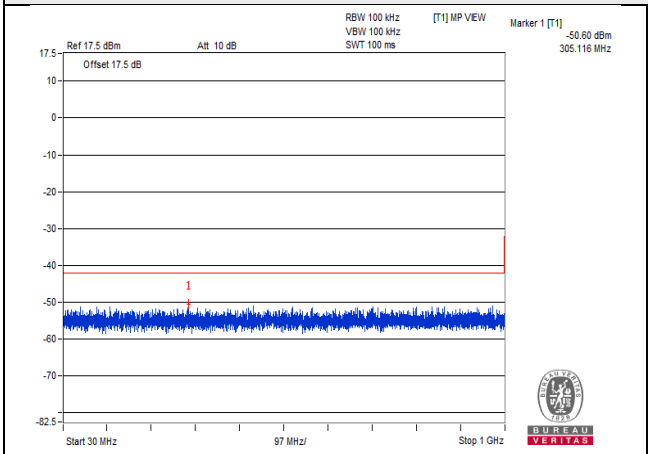


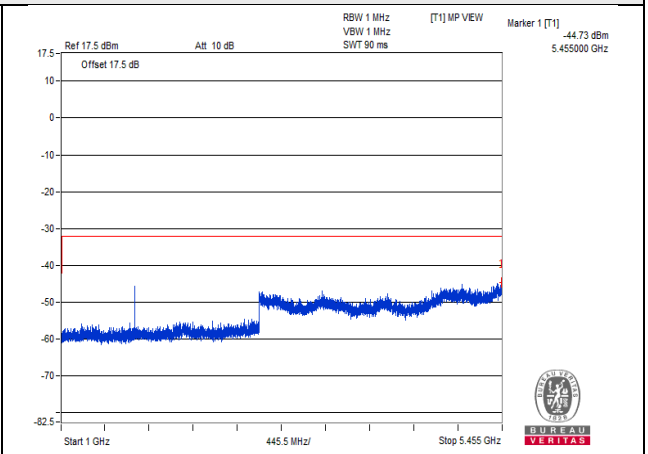


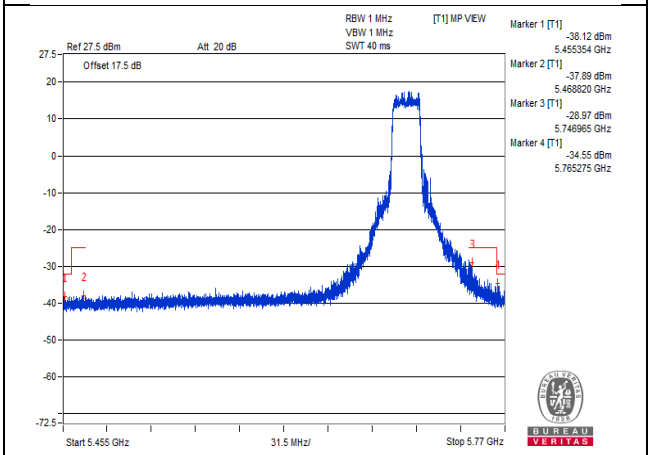


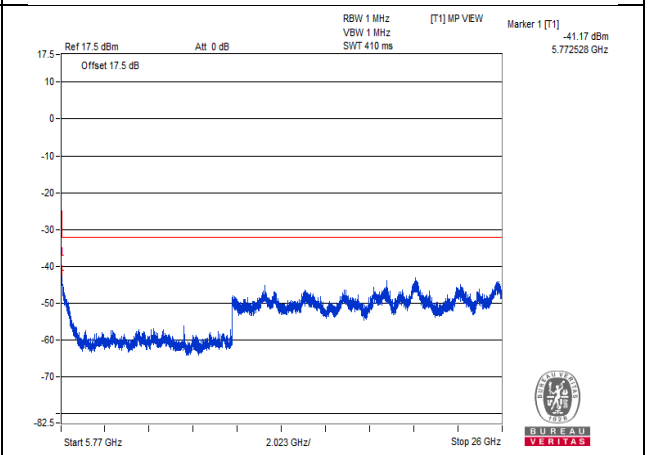
CH 120 (5600MHz)

Vnormal





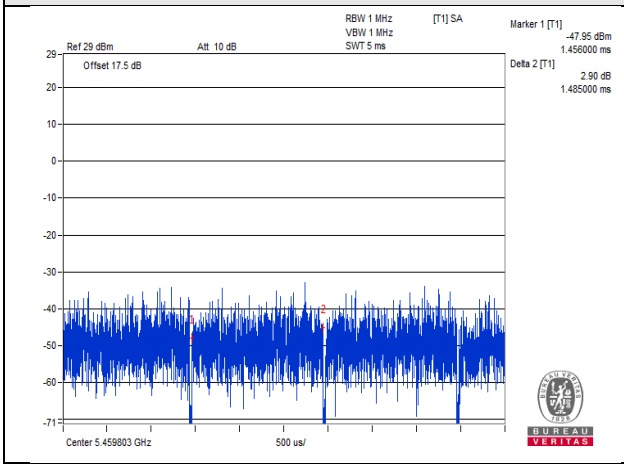




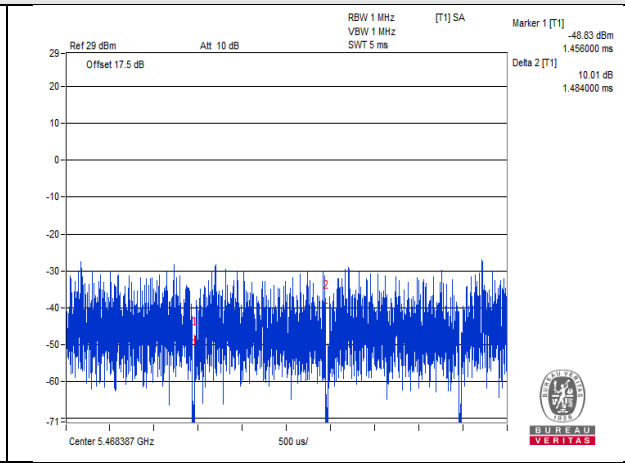
CH 140 (5700MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal



1	5459.803MHz	P = 0.020836uW



2	5468.387MHz	P = 0.055652uW

[Worst result] x [Number of antenna ports]

Test Channel		CH 100 (5500MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.039088	0.248	Pass
	1000.0 to 5455.0	0.835720	2.5	Pass
	5455.0 to 5460.0	0.136560	2.5	Pass
	5460.0 to 5470.0	12.079808	12.5	Pass
	5745.0 to 5765.0	0.778144	12.5	Pass
	5765.0 to 5770.0	0.699940	2.5	Pass
	5770.0 to 26000.0	0.232840	2.5	Pass
Test Channel		**CH 120 (5600MHz)**		
V_{normal}	30.0 to 1000.0	0.038820	0.248	Pass
	1000.0 to 5455.0	0.250068	2.5	Pass
	5455.0 to 5460.0	0.758684	2.5	Pass
	5460.0 to 5470.0	0.946368	12.5	Pass
	5745.0 to 5765.0	0.701552	12.5	Pass
	5765.0 to 5770.0	0.631044	2.5	Pass
	5770.0 to 26000.0	0.247208	2.5	Pass
Test Channel		**CH 140 (5700MHz)**		
V_{normal}	30.0 to 1000.0	0.043256	0.248	Pass
	1000.0 to 5455.0	0.287116	2.5	Pass
	5455.0 to 5460.0	1.099156	2.5	Pass
	5460.0 to 5470.0	0.877120	12.5	Pass
	5745.0 to 5765.0	10.024436	12.5	Pass
	5765.0 to 5770.0	1.883908	2.5	Pass
	5770.0 to 26000.0	0.426640	2.5	Pass

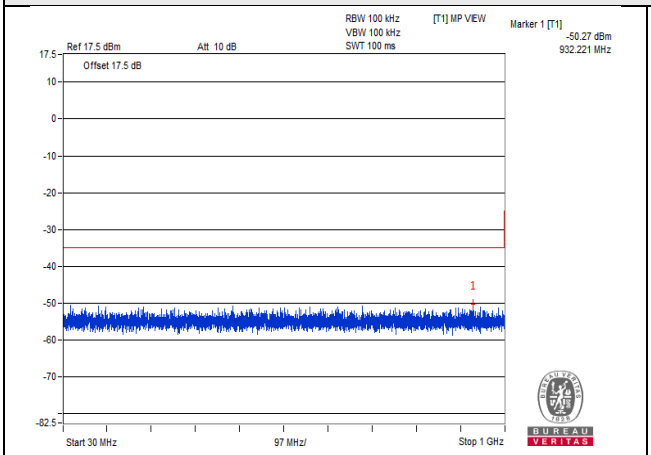
Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

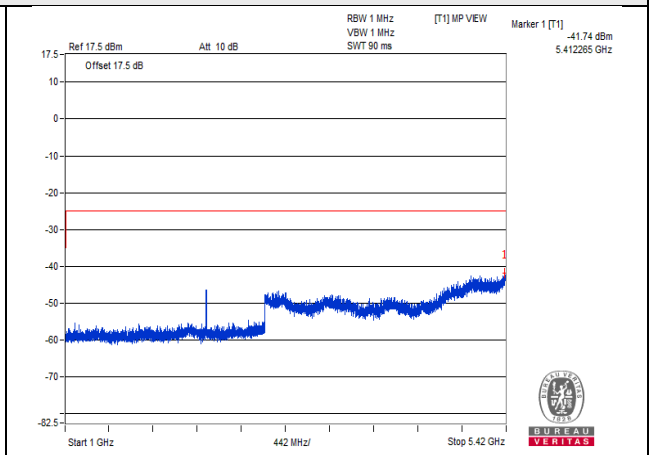
W56 Band:
802.11ax (HE40)
Chain 0

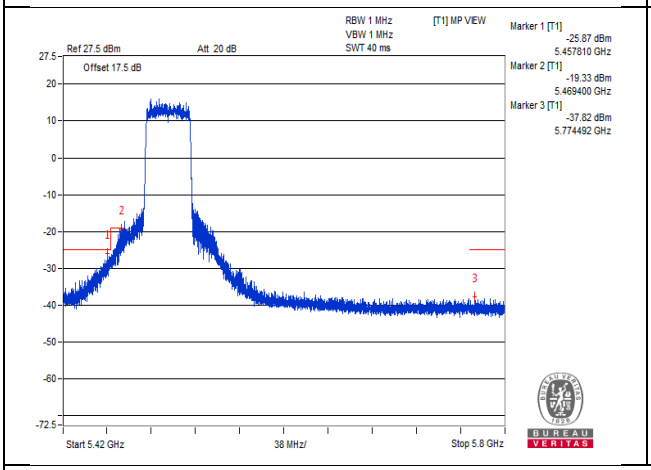
Test Channel		CH 102 (5510MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	932.221	0.009397	0.312	Pass
	1000.0 to 5420.0	5412.265	0.066988	3.125	Pass
	5420.0 to 5460.0	5457.810	2.588213	3.125	Pass
	5460.0 to 5470.0	5469.400	11.668096	12.500	Pass
	5770.0 to 5800.0	5774.492	0.165196	3.125	Pass
	5800.0 to 26000.0	25707.100	0.469894	3.125	Pass
Test Channel		**CH 118 (5590MHz)**			
V_{normal}	30.0 to 1000.0	790.116	0.009333	0.312	Pass
	1000.0 to 5420.0	5411.712	0.060256	3.125	Pass
	5420.0 to 5460.0	5437.005	0.199986	3.125	Pass
	5460.0 to 5470.0	5469.495	0.192752	12.500	Pass
	5770.0 to 5800.0	5772.165	0.143880	3.125	Pass
	5800.0 to 26000.0	22154.425	0.426580	3.125	Pass
Test Channel		**CH 134 (5670MHz)**			
V_{normal}	30.0 to 1000.0	131.971	0.009036	0.312	Pass
	1000.0 to 5420.0	5024.962	0.058479	3.125	Pass
	5420.0 to 5460.0	5446.172	0.204644	3.125	Pass
	5460.0 to 5470.0	5469.352	0.181134	12.500	Pass
	5770.0 to 5800.0	5771.785	0.390841	3.125	Pass
	5800.0 to 26000.0	25828.300	0.518800	3.125	Pass

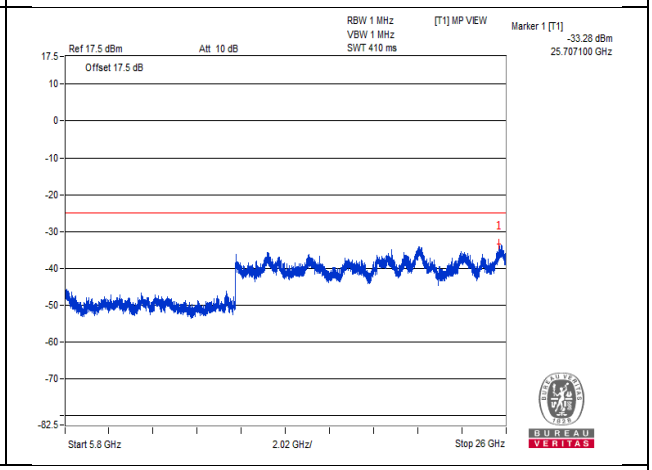
Note: The spectrum plots are attached on the following pages.

Vnormal



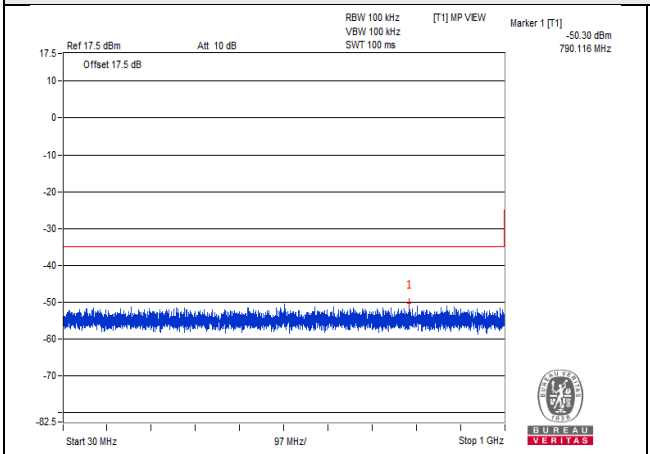


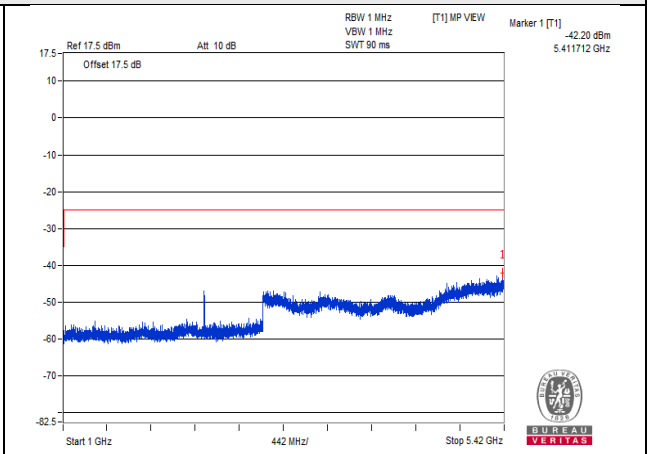


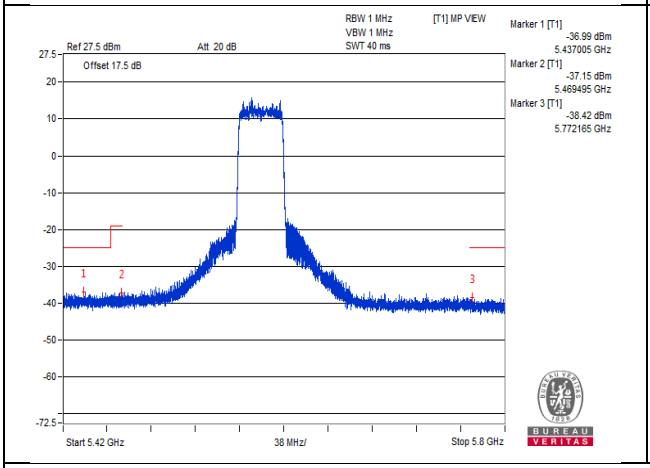


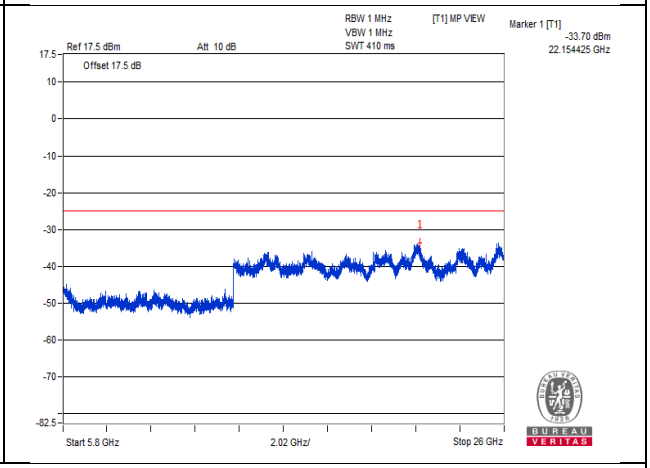
CH 102 (5510MHz)

Vnormal



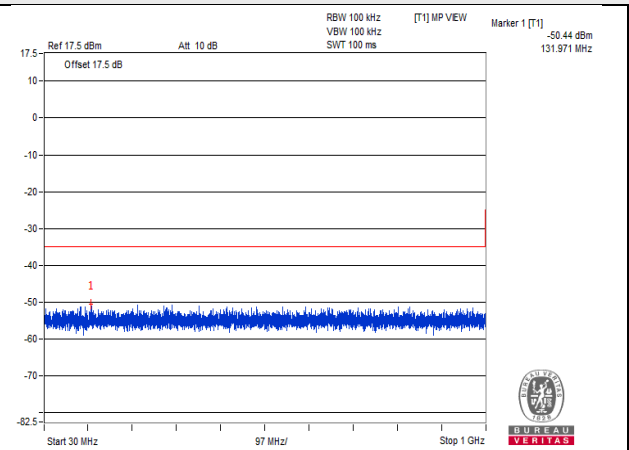


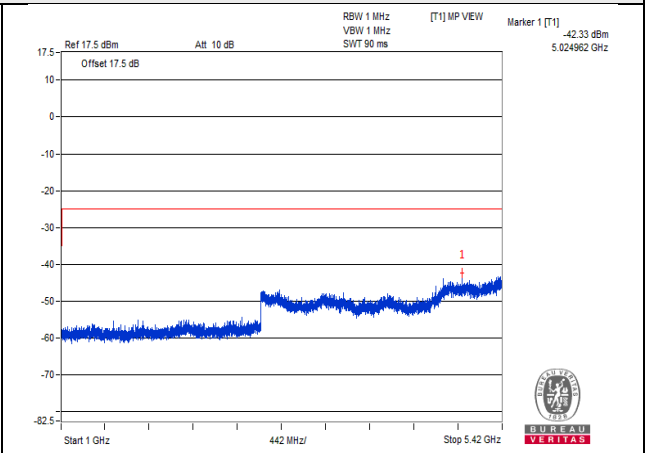


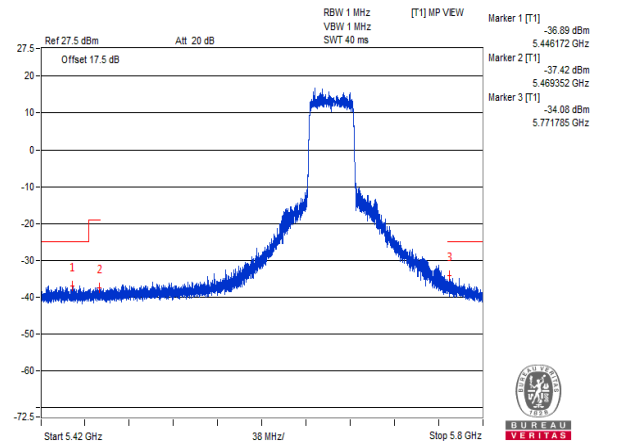


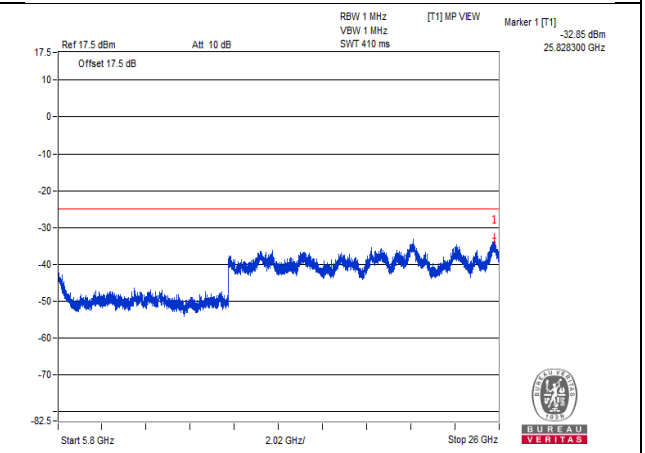
CH 118 (5590MHz)

Vnormal









CH 134 (5670MHz)

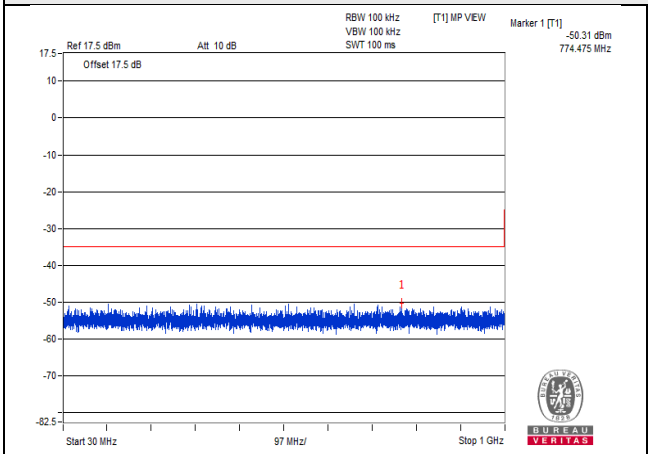
Chain 1

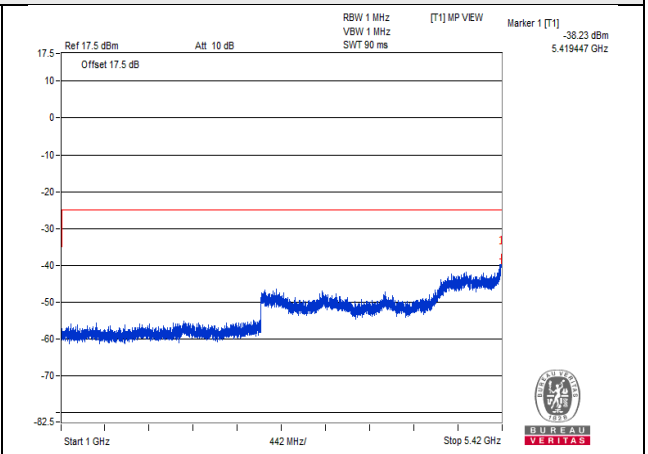
Test Channel		CH 102 (5510MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	774.475	0.009311	0.312	Pass
	1000.0 to 5420.0	5419.447	0.150314	3.125	Pass
	5420.0 to 5460.0	5458.095	0.234749	3.125	Pass(1)
	5460.0 to 5470.0	5469.970	0.525826	12.500	Pass(2)
	5770.0 to 5800.0	5776.820	0.191426	3.125	Pass
	5800.0 to 26000.0	25737.400	0.421697	3.125	Pass
Test Channel		CH 118 (5590MHz)			
V_{normal}	30.0 to 1000.0	359.436	0.008511	0.312	Pass
	1000.0 to 5420.0	5406.187	0.057677	3.125	Pass
	5420.0 to 5460.0	5456.575	0.224905	3.125	Pass
	5460.0 to 5470.0	5464.175	0.217771	12.500	Pass
	5770.0 to 5800.0	5776.440	0.162930	3.125	Pass
	5800.0 to 26000.0	25881.325	0.502343	3.125	Pass
Test Channel		CH 134 (5670MHz)			
V_{normal}	30.0 to 1000.0	715.183	0.010617	0.312	Pass
	1000.0 to 5420.0	4899.545	0.053211	3.125	Pass
	5420.0 to 5460.0	5446.932	0.238781	3.125	Pass
	5460.0 to 5470.0	5467.215	0.208930	12.500	Pass
	5770.0 to 5800.0	5770.170	0.435512	3.125	Pass
	5800.0 to 26000.0	22005.450	0.595662	3.125	Pass

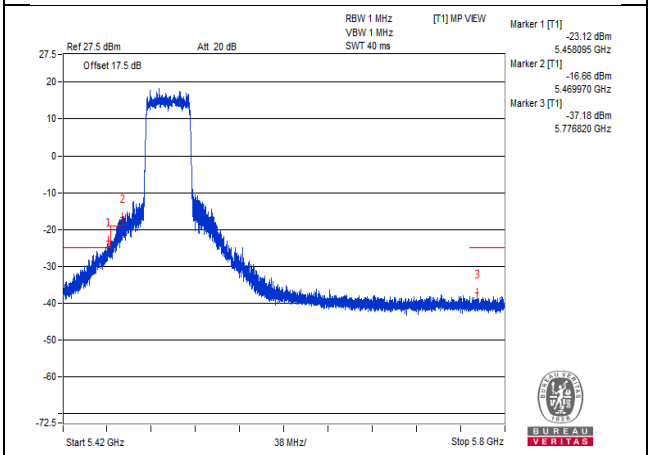
Note: 1. The spectrum plots are attached on the following pages.

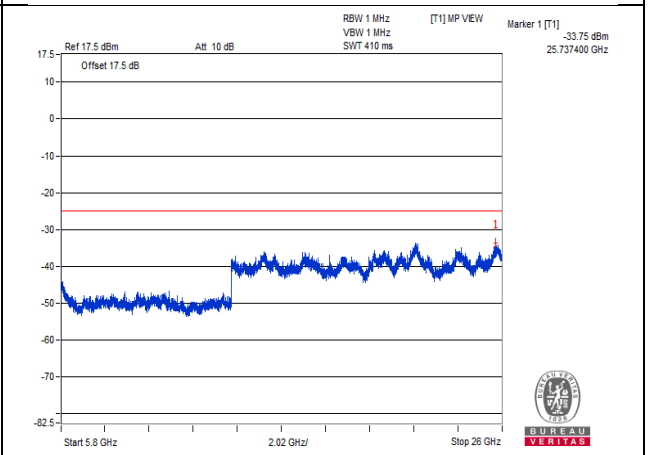
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



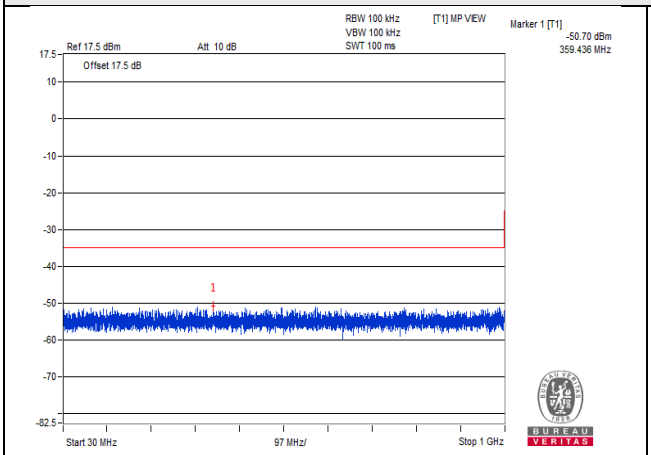


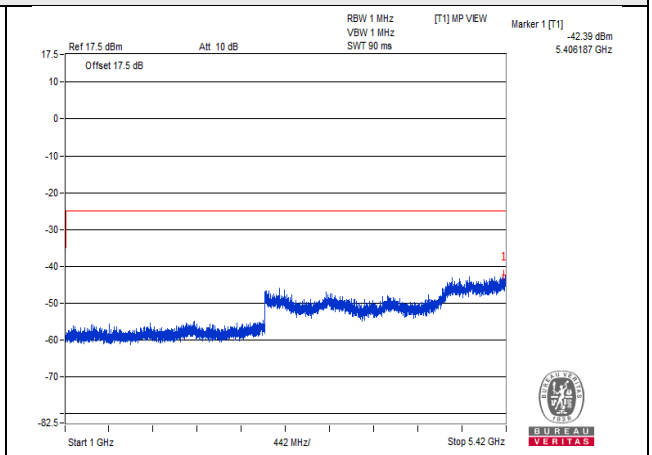


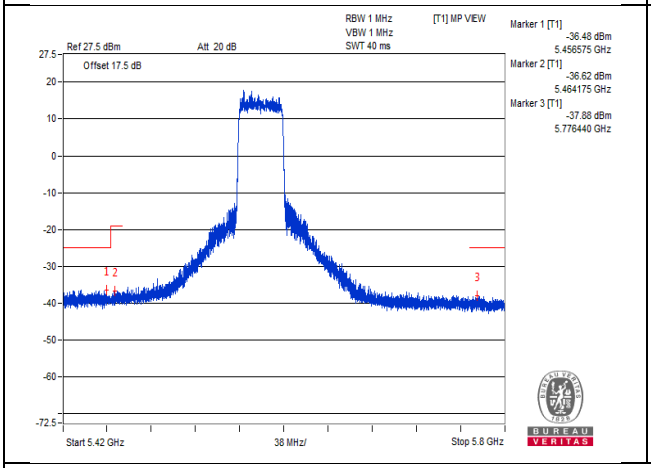


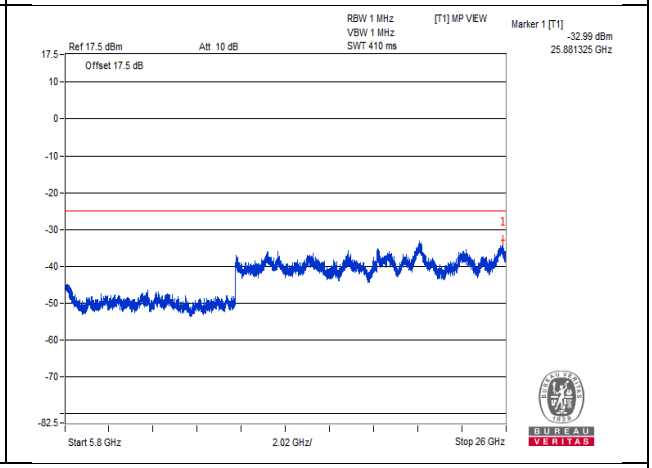
CH 102 (5510MHz)

Vnormal



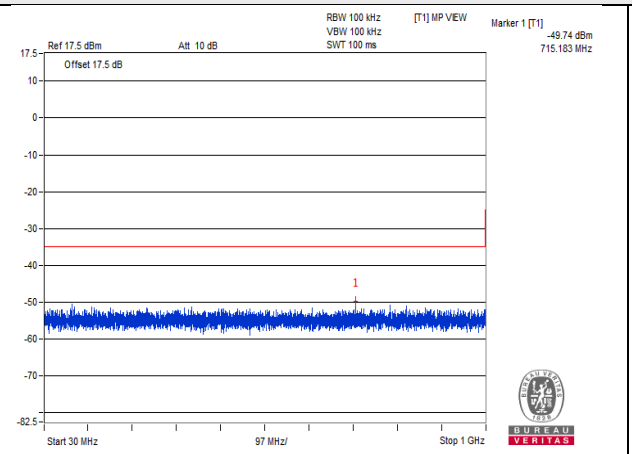


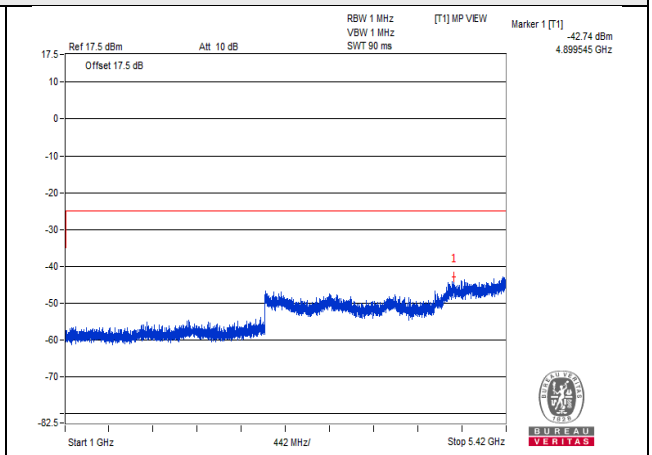


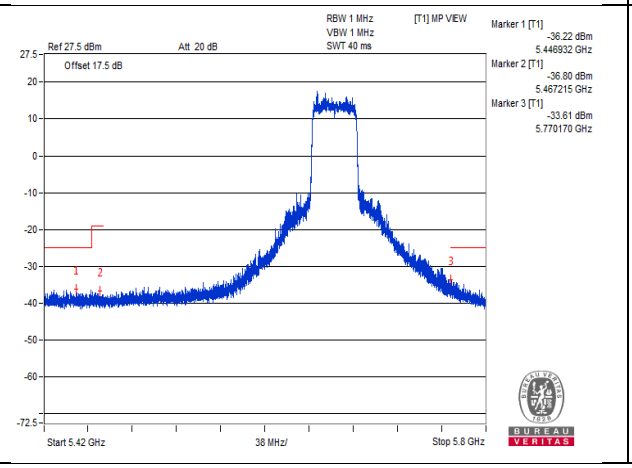


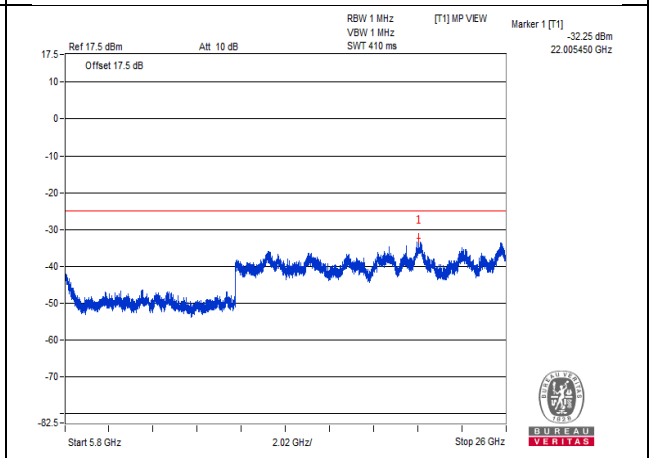
CH 118 (5590MHz)

Vnormal



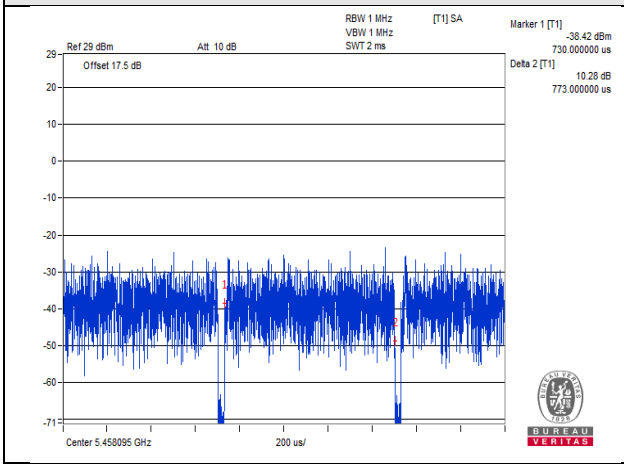


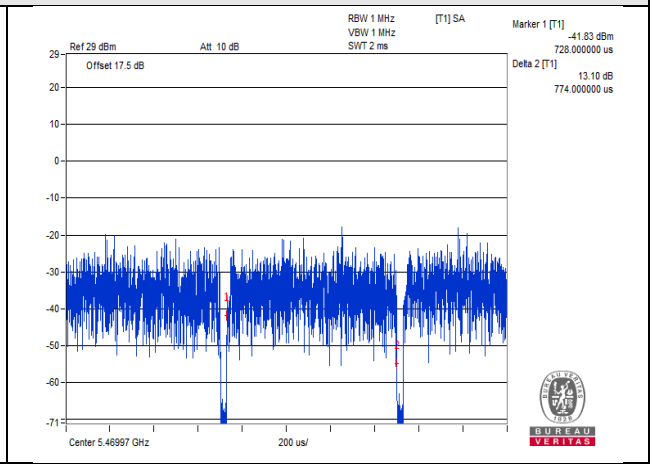




CH 134 (5670MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.
Vnormal





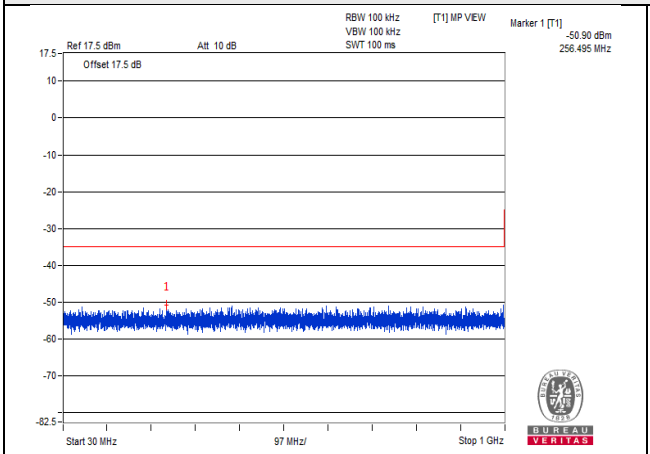
1	5458.095MHz	P = 0.234749uW	2	5469.970MHz	P = 0.525826uW

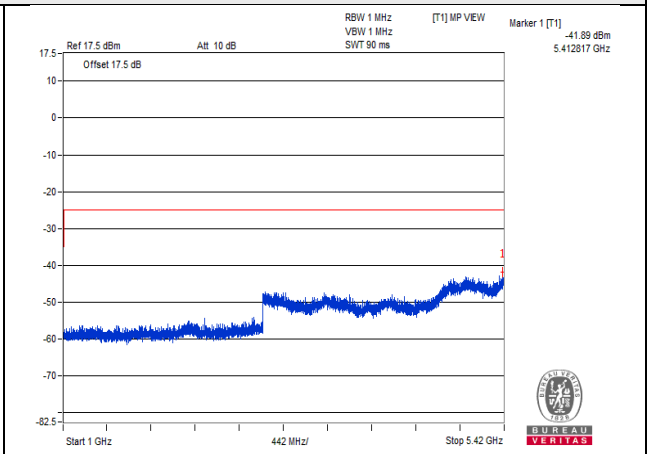
Chain 2

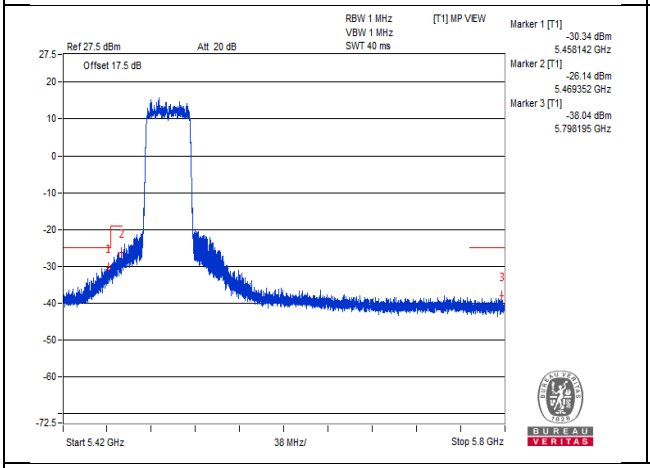
Test Channel		CH 102 (5510MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	256.495	0.008128	0.312	Pass
	1000.0 to 5420.0	5412.817	0.064714	3.125	Pass
	5420.0 to 5460.0	5458.142	0.924698	3.125	Pass
	5460.0 to 5470.0	5469.352	2.432204	12.500	Pass
	5770.0 to 5800.0	5798.195	0.157036	3.125	Pass
	5800.0 to 26000.0	22073.625	0.522396	3.125	Pass
Test Channel		**CH 118 (5590MHz)**			
V_{normal}	30.0 to 1000.0	329.851	0.009705	0.312	Pass
	1000.0 to 5420.0	5133.805	0.049774	3.125	Pass
	5420.0 to 5460.0	5424.275	0.237137	3.125	Pass
	5460.0 to 5470.0	5460.042	0.200909	12.500	Pass
	5770.0 to 5800.0	5781.095	0.164437	3.125	Pass
	5800.0 to 26000.0	25800.525	0.523600	3.125	Pass
Test Channel		**CH 134 (5670MHz)**			
V_{normal}	30.0 to 1000.0	956.228	0.008710	0.312	Pass
	1000.0 to 5420.0	5100.102	0.047424	3.125	Pass
	5420.0 to 5460.0	5444.842	0.205116	3.125	Pass
	5460.0 to 5470.0	5468.212	0.182810	12.500	Pass
	5770.0 to 5800.0	5770.170	0.345144	3.125	Pass
	5800.0 to 26000.0	22088.775	0.568853	3.125	Pass

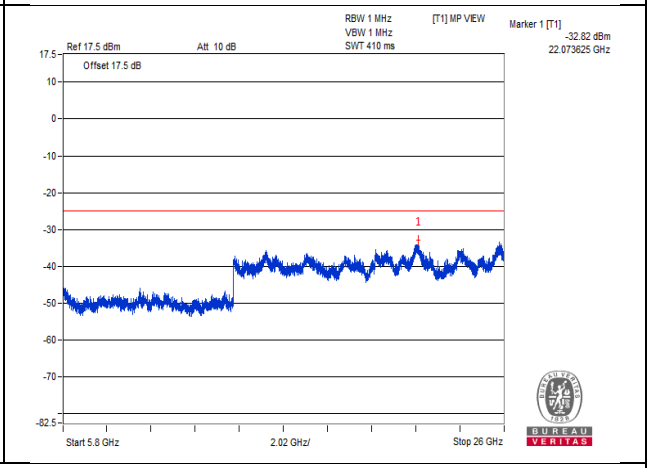
Note: The spectrum plots are attached on the following pages.

Vnormal



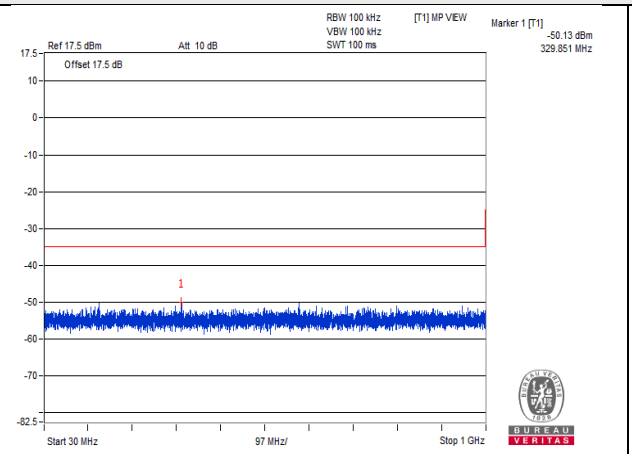


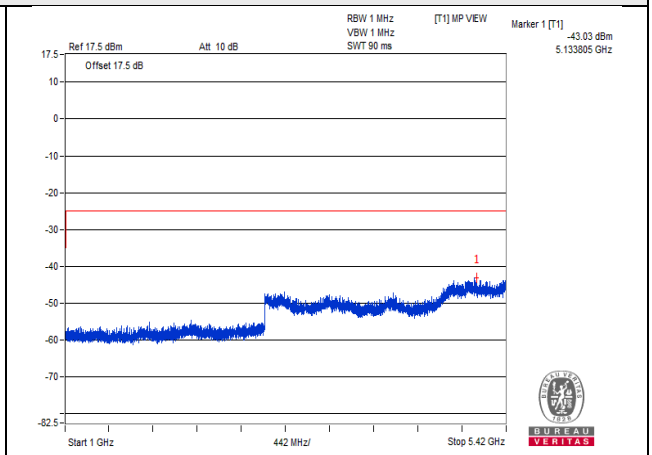


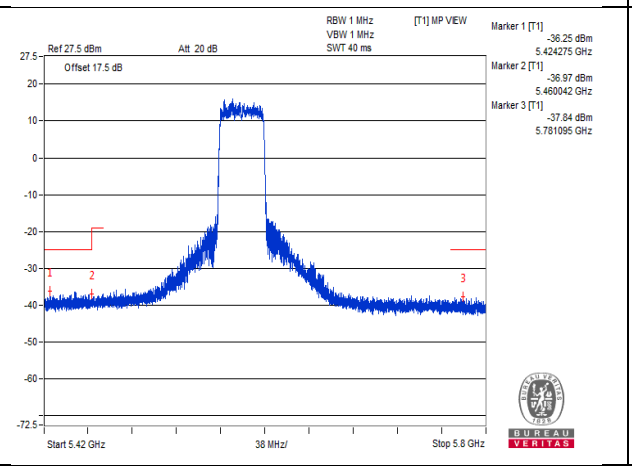


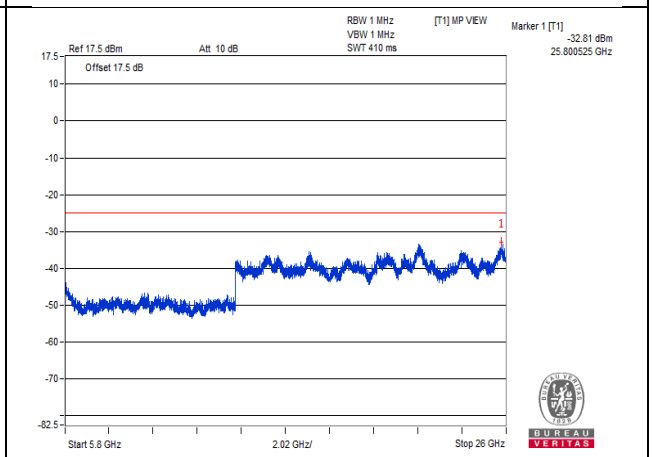
CH 102 (5510MHz)

Vnormal



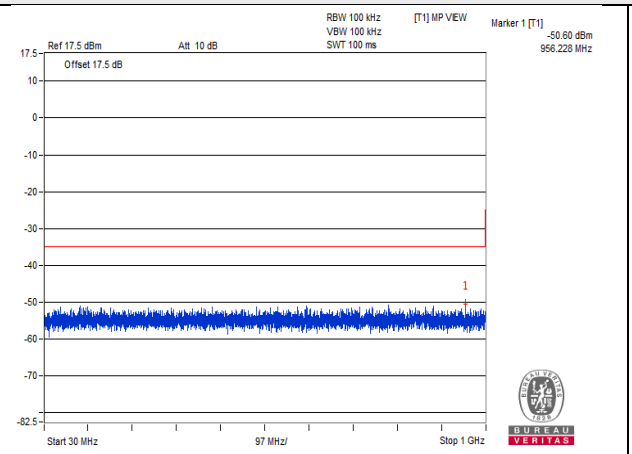


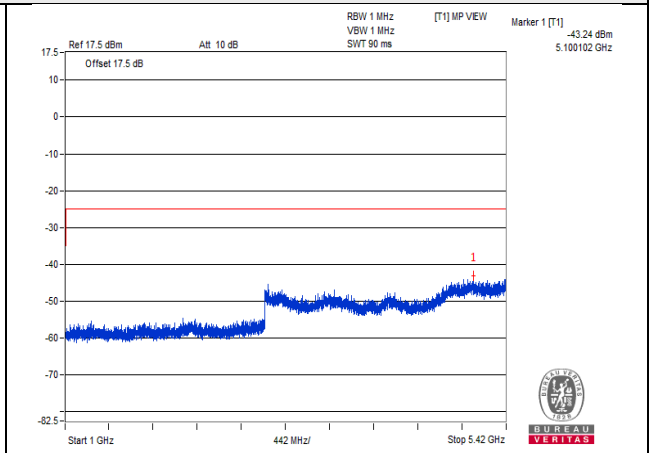


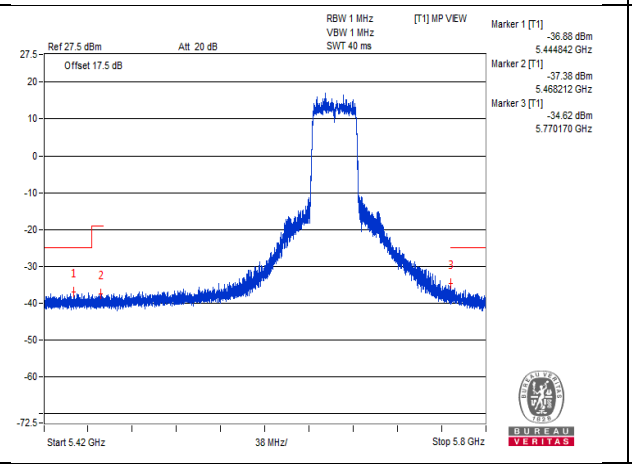


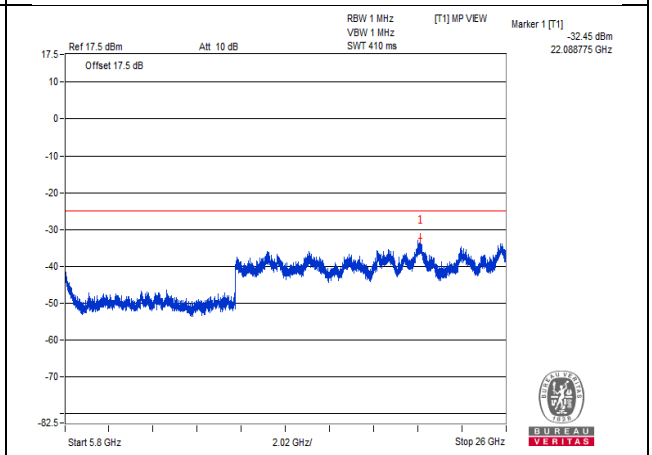
CH 118 (5590MHz)

Vnormal









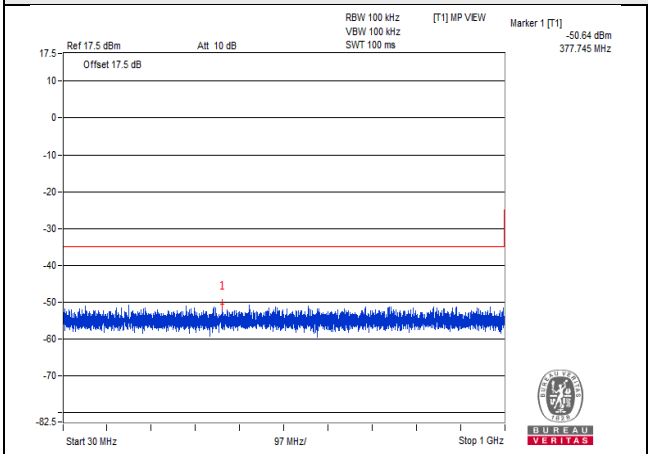
CH 134 (5670MHz)

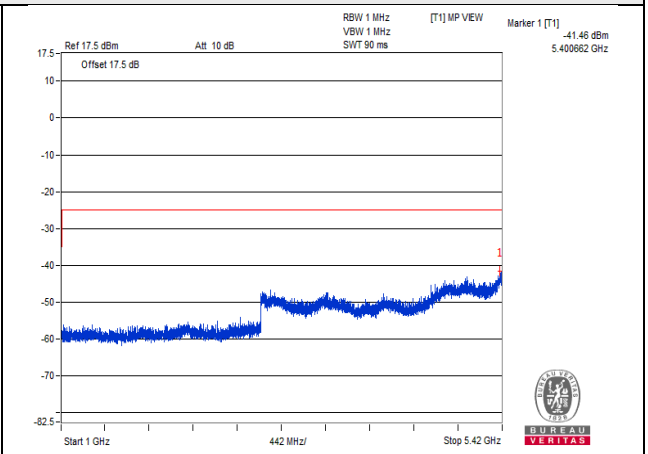
Chain 3

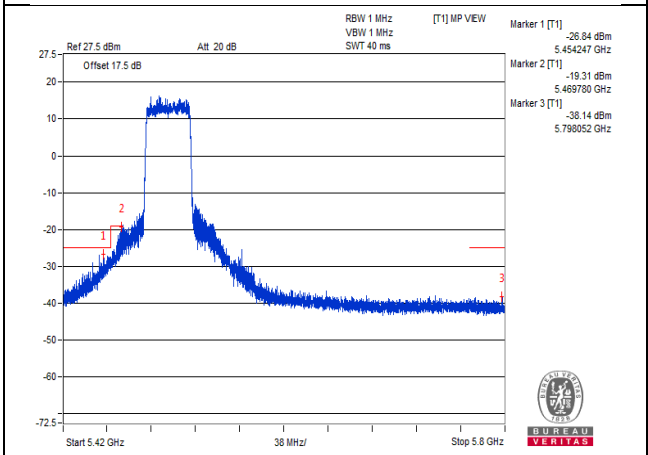
Test Channel		CH 102 (5510MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	377.745	0.008630	0.312	Pass
	1000.0 to 5420.0	5400.662	0.071450	3.125	Pass
	5420.0 to 5460.0	5454.247	2.070141	3.125	Pass
	5460.0 to 5470.0	5469.780	11.721954	12.500	Pass
	5770.0 to 5800.0	5798.052	0.153462	3.125	Pass
	5800.0 to 26000.0	25825.775	0.462381	3.125	Pass
Test Channel		**CH 118 (5590MHz)**			
V_{normal}	30.0 to 1000.0	115.117	0.008995	0.312	Pass
	1000.0 to 5420.0	5420.000	0.036308	3.125	Pass
	5420.0 to 5460.0	5446.125	0.202302	3.125	Pass
	5460.0 to 5470.0	5467.405	0.177419	12.500	Pass
	5770.0 to 5800.0	5785.940	0.169044	3.125	Pass
	5800.0 to 26000.0	22045.850	0.401791	3.125	Pass
Test Channel		**CH 134 (5670MHz)**			
V_{normal}	30.0 to 1000.0	140.580	0.009204	0.312	Pass
	1000.0 to 5420.0	5410.055	0.036898	3.125	Pass
	5420.0 to 5460.0	5432.635	0.242103	3.125	Pass
	5460.0 to 5470.0	5468.830	0.177419	12.500	Pass
	5770.0 to 5800.0	5784.467	0.450817	3.125	Pass
	5800.0 to 26000.0	22040.800	0.463447	3.125	Pass

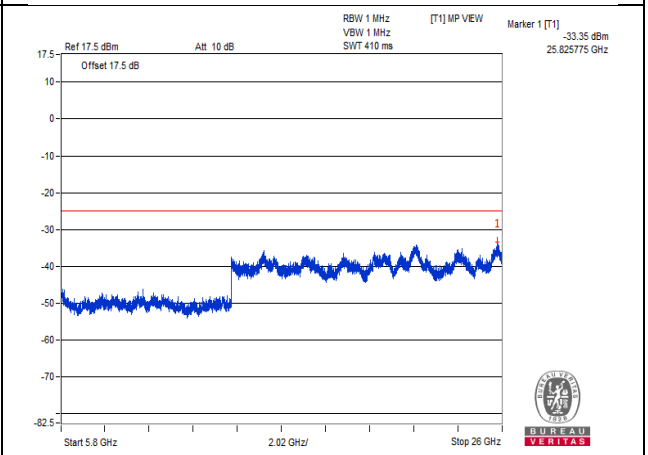
Note: The spectrum plots are attached on the following pages.

Vnormal



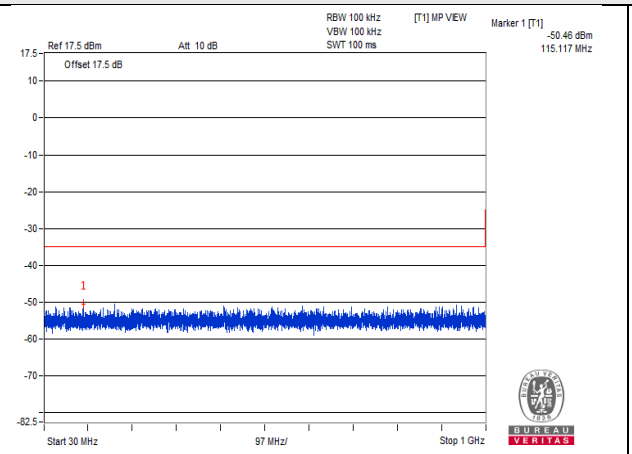


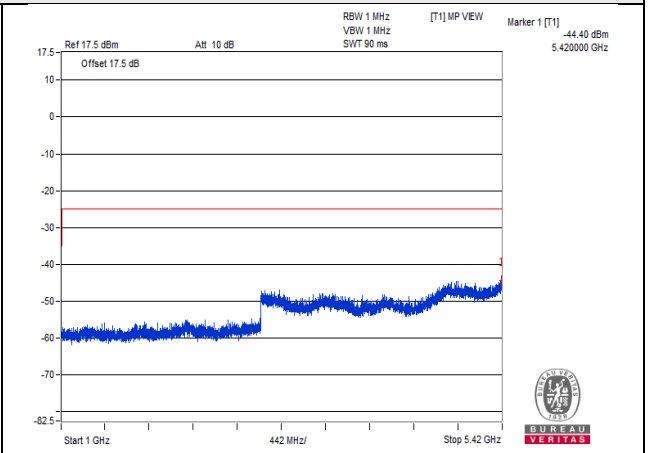


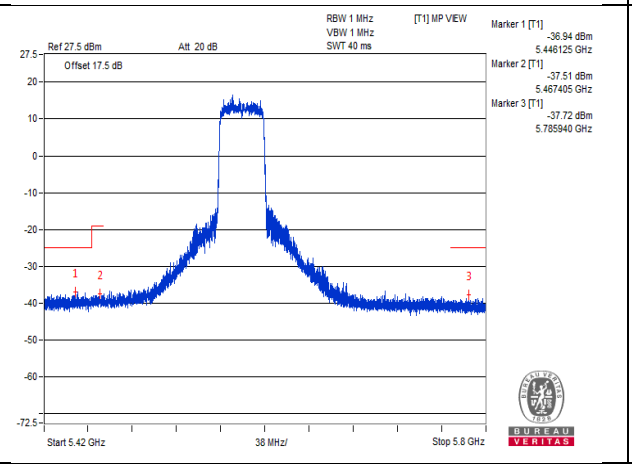


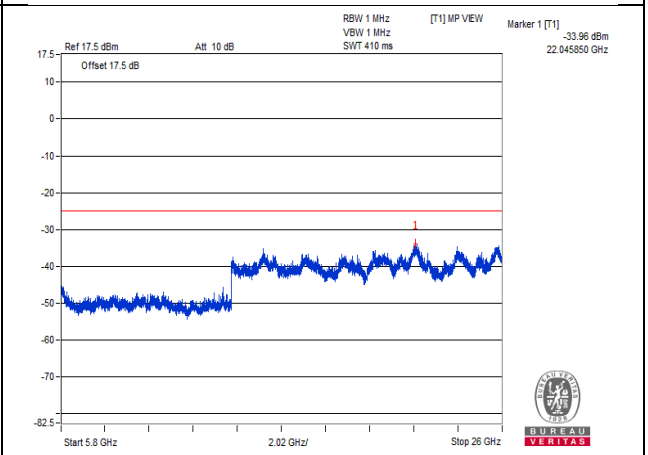
CH 102 (5510MHz)

Vnormal



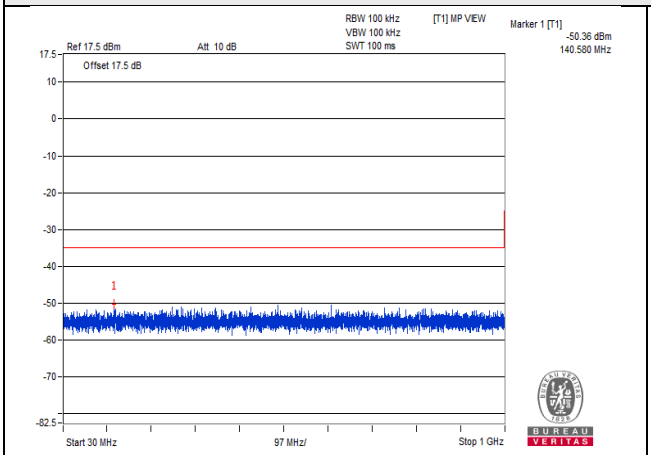


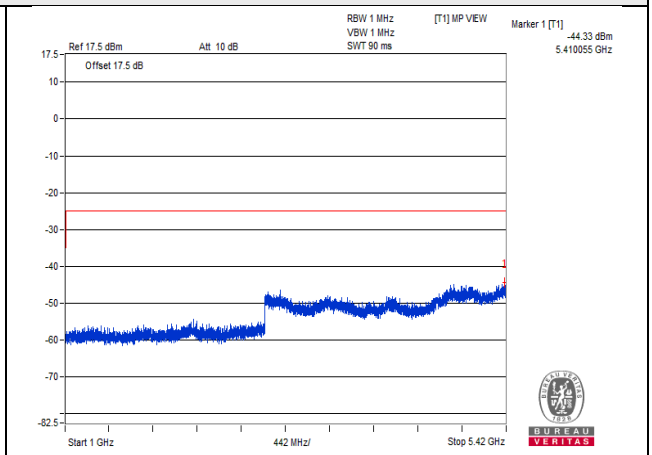


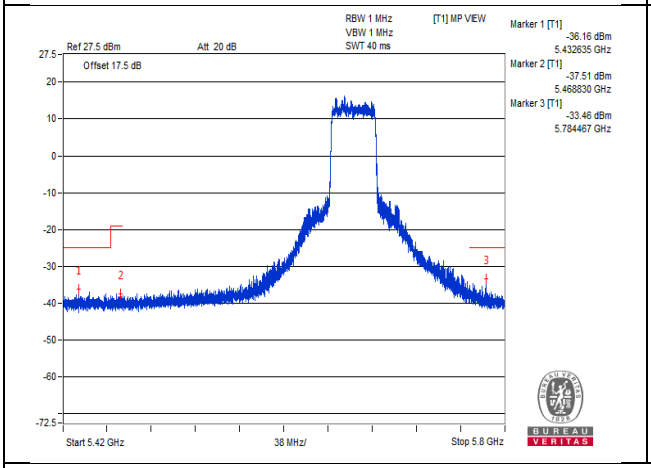


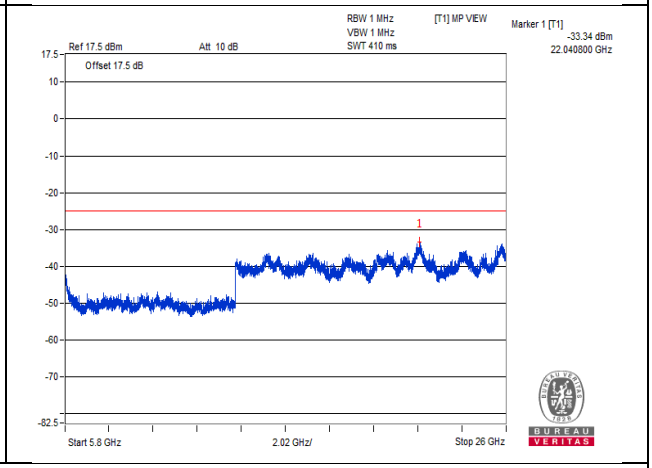
CH 118 (5590MHz)

Vnormal









CH 134 (5670MHz)

[Worst result] x [Number of antenna ports]

Test Channel		CH 102 (5510MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.037588	1.248	Pass
	1000.0 to 5420.0	0.601256	12.5	Pass
	5420.0 to 5460.0	10.352852	12.5	Pass
	5460.0 to 5470.0	46.887816	50	Pass
	5770.0 to 5800.0	0.765704	12.5	Pass
	5800.0 to 26000.0	2.089584	12.5	Pass
Test Channel		**CH 118 (5590MHz)**		
V_{normal}	30.0 to 1000.0	0.038820	1.248	Pass
	1000.0 to 5420.0	0.241024	12.5	Pass
	5420.0 to 5460.0	0.948548	12.5	Pass
	5460.0 to 5470.0	0.871084	50	Pass
	5770.0 to 5800.0	0.676176	12.5	Pass
	5800.0 to 26000.0	2.094400	12.5	Pass
Test Channel		**CH 134 (5670MHz)**		
V_{normal}	30.0 to 1000.0	0.042468	1.248	Pass
	1000.0 to 5420.0	0.233916	12.5	Pass
	5420.0 to 5460.0	0.968412	12.5	Pass
	5460.0 to 5470.0	0.835720	50	Pass
	5770.0 to 5800.0	1.803268	12.5	Pass
	5800.0 to 26000.0	2.382648	12.5	Pass

Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

W56 Band:

802.11ax (HE80)

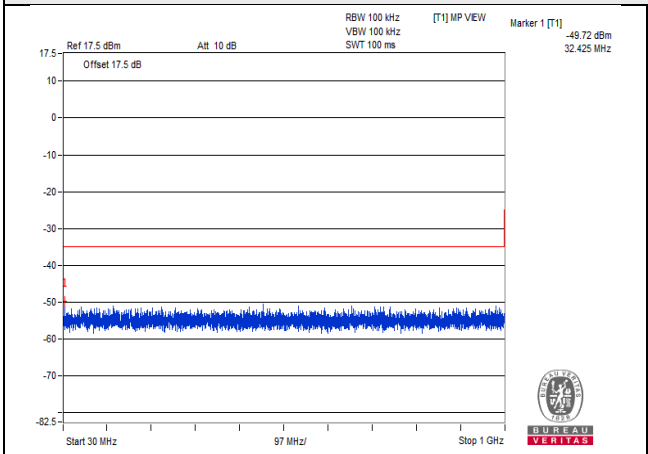
Chain 0

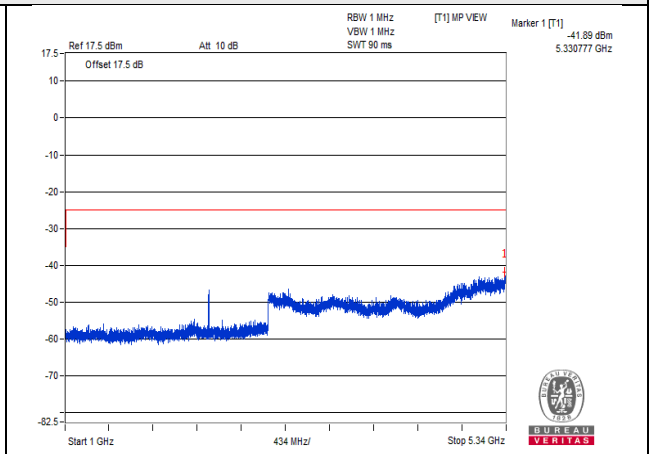
Test Channel		CH 106 (5530MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	32.425	0.010666	0.312	Pass
	1000.0 to 5340.0	5330.777	0.064714	3.125	Pass
	5340.0 to 5460.0	5454.482	0.316771	3.125	Pass(1)
	5460.0 to 5469.5	5465.350	0.426386	12.500	Pass(2)
	5469.5 to 5470.0	5469.500	7.568329	12.500	Pass
	5770.0 to 5800.0	5770.330	0.157761	3.125	Pass
	5800.0 to 26000.0	22131.700	0.417830	3.125	Pass
Test Channel		**CH 122 (5610MHz)**			
V_{normal}	30.0 to 1000.0	948.468	0.009550	0.312	Pass
	1000.0 to 5340.0	5338.372	0.052240	3.125	Pass
	5340.0 to 5460.0	5432.920	0.357273	3.125	Pass
	5460.0 to 5469.5	5462.992	0.647143	12.500	Pass
	5469.5 to 5470.0	5469.500	0.322849	12.500	Pass
	5770.0 to 5800.0	5771.422	0.230144	3.125	Pass
	5800.0 to 26000.0	25752.550	0.441570	3.125	Pass

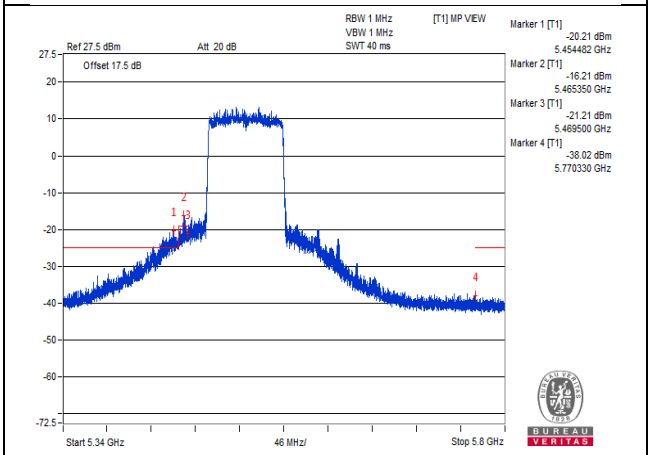
Note: 1. The spectrum plots are attached on the following pages.

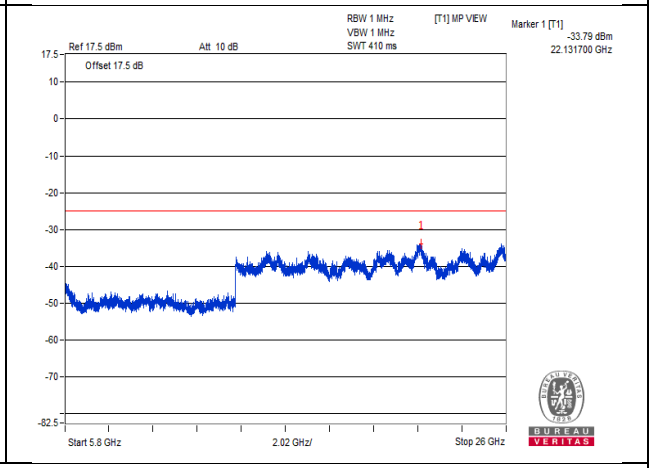
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



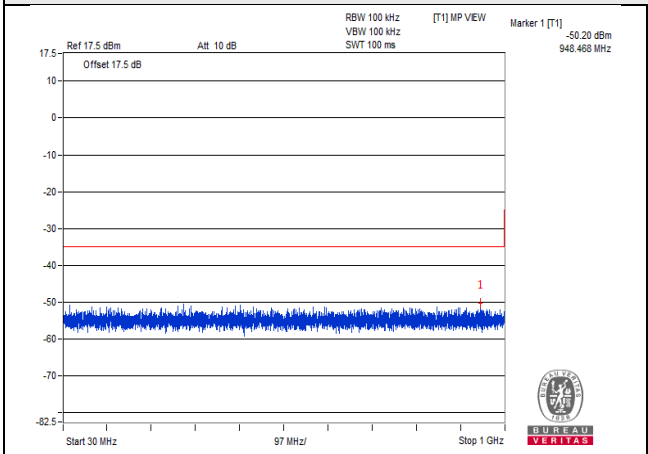


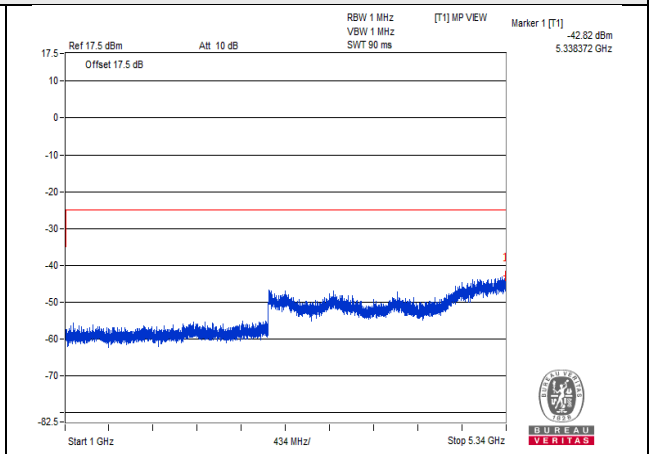


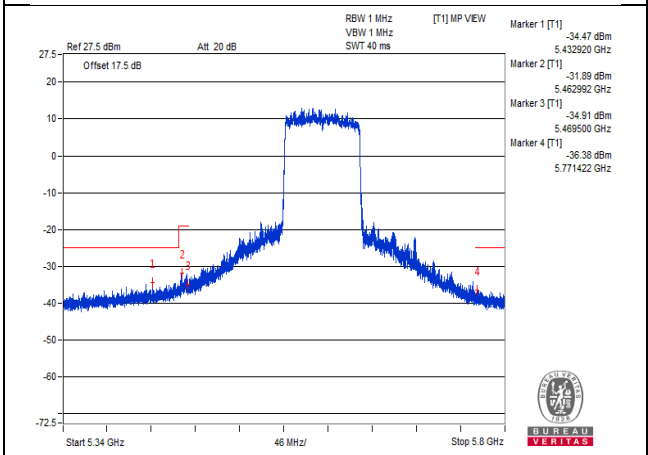


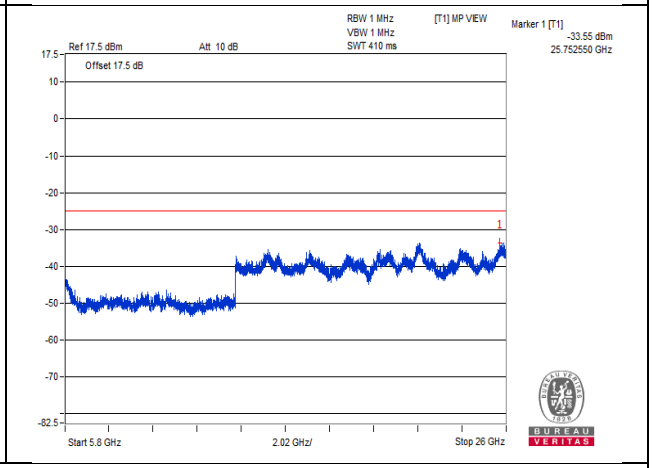
CH 106 (5530MHz)

Vnormal

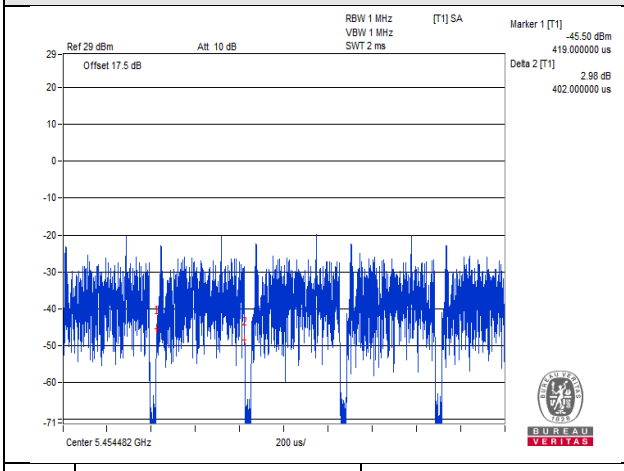
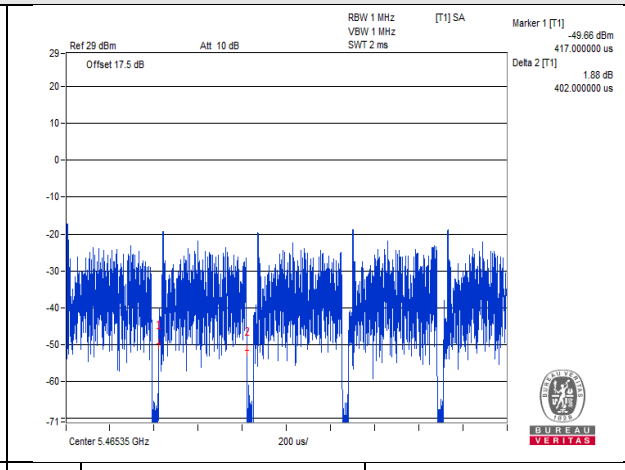








CH 122 (5610MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5454.482MHz	P = 0.316771uW	2	5465.350MHz	P = 0.426386uW

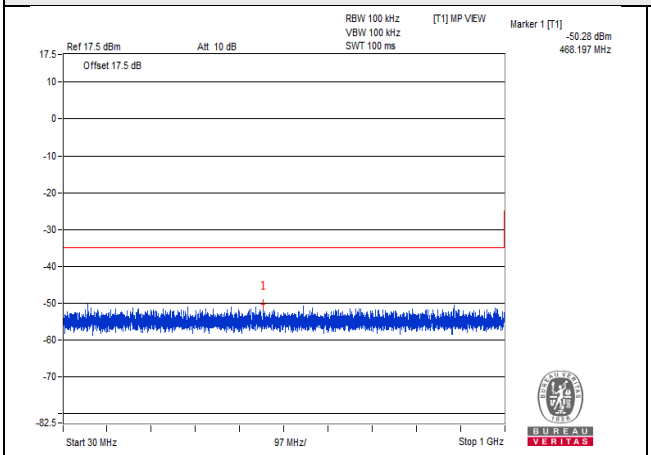
Chain 1

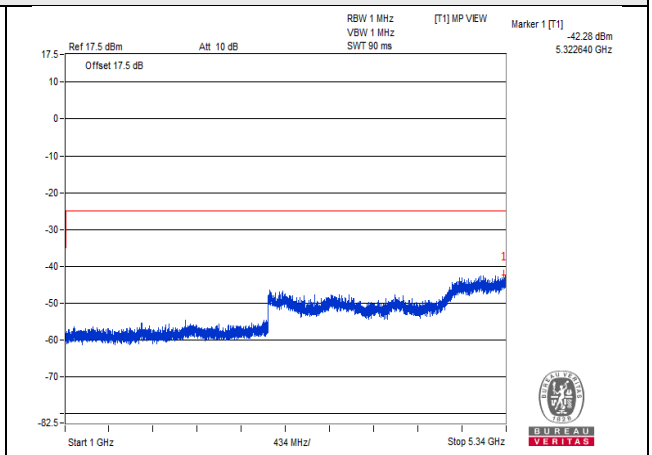
Test Channel		CH 106 (5530MHz)			
Test Condition	Frequency Range (MHz)	Frequency (MHz)	Measured Value (uW)	Limit (uW)	Result
V_{normal}	30.0 to 1000.0	468.197	0.009376	0.312	Pass
	1000.0 to 5340.0	5322.640	0.059156	3.125	Pass
	5340.0 to 5460.0	5454.195	0.347622	3.125	Pass(1)
	5460.0 to 5469.5	5465.867	0.463916	12.500	Pass(2)
	5469.5 to 5470.0	5469.950	6.501297	12.800	Pass
	5770.0 to 5800.0	5784.532	0.208449	3.125	Pass
	5800.0 to 26000.0	22098.875	0.530884	3.125	Pass
Test Channel		**CH 122 (5610MHz)**			
V_{normal}	30.0 to 1000.0	888.328	0.009638	0.312	Pass
	1000.0 to 5340.0	5241.807	0.055335	3.125	Pass
	5340.0 to 5460.0	5455.977	0.420727	3.125	Pass
	5460.0 to 5469.5	5468.857	0.864968	12.500	Pass
	5469.5 to 5470.0	5469.662	0.479733	12.800	Pass
	5770.0 to 5800.0	5786.142	0.685488	3.125	Pass
	5800.0 to 26000.0	22098.875	0.446684	3.125	Pass

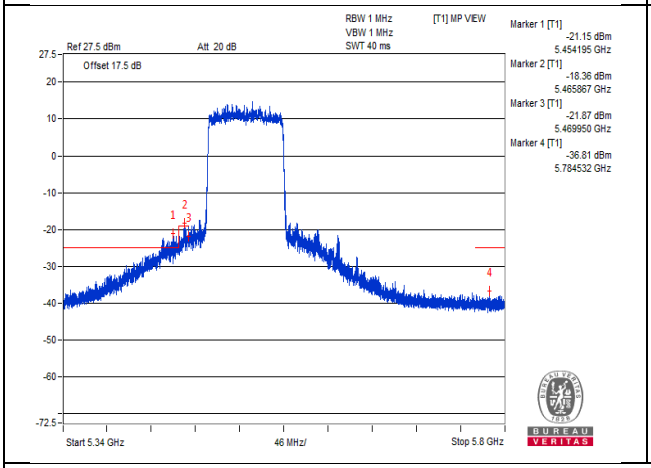
Note: 1. The spectrum plots are attached on the following pages.

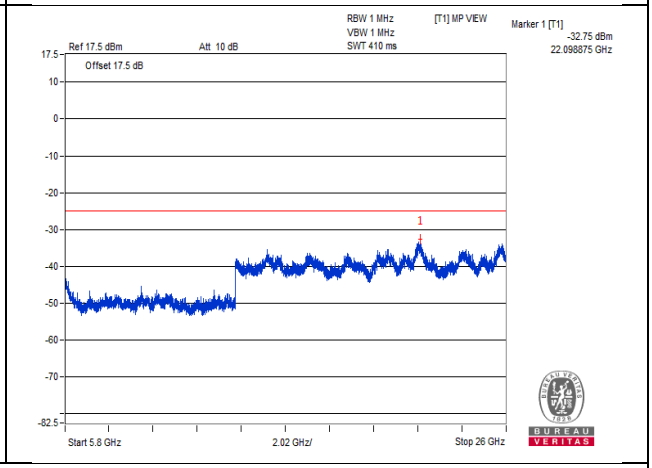
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



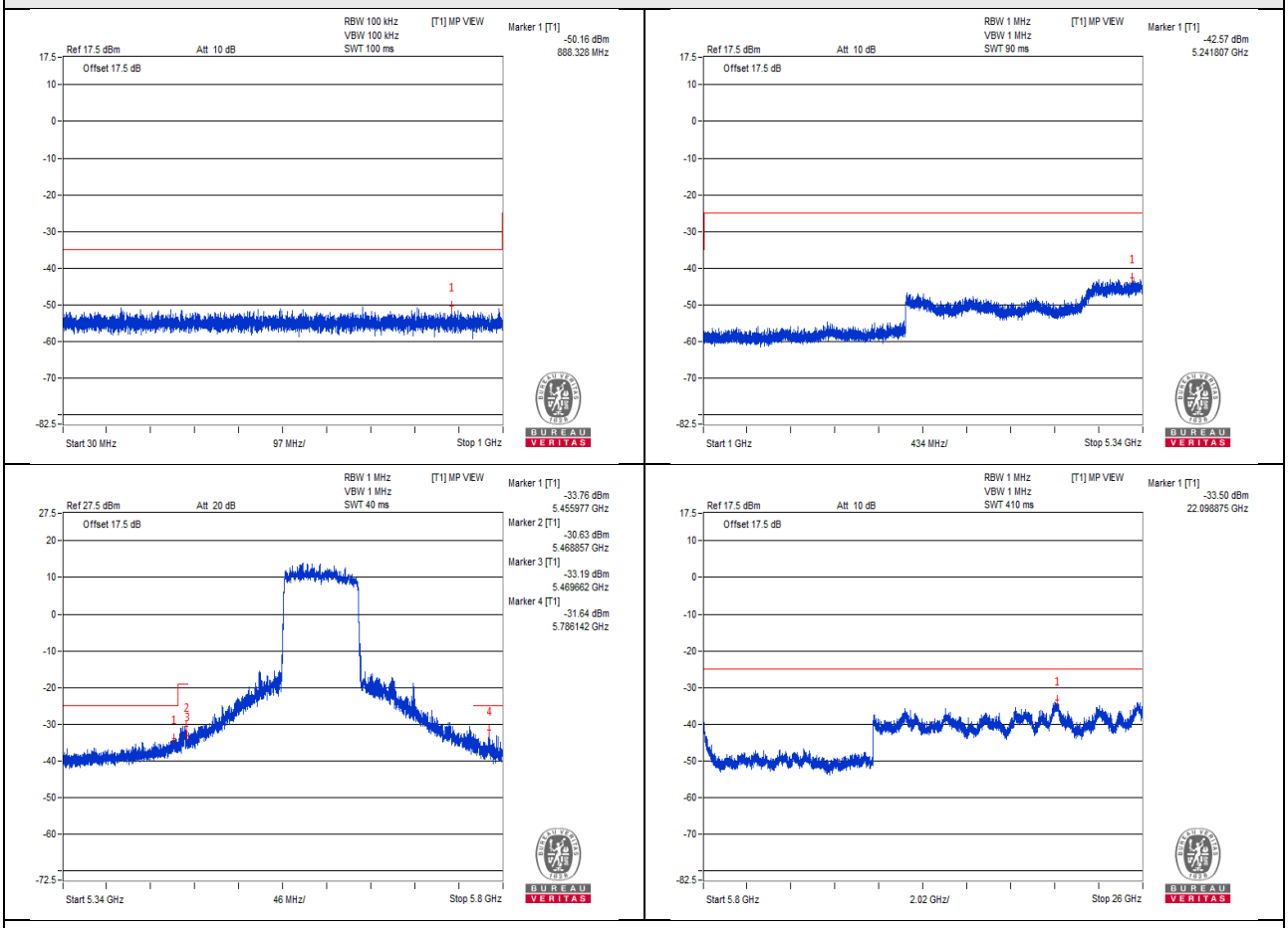






CH 106 (5530MHz)

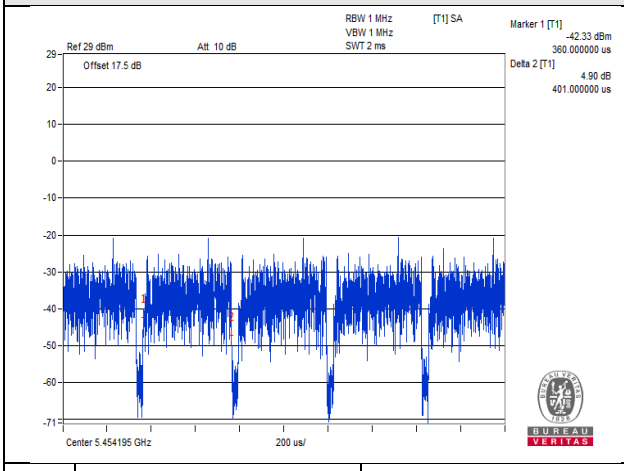
Vnormal

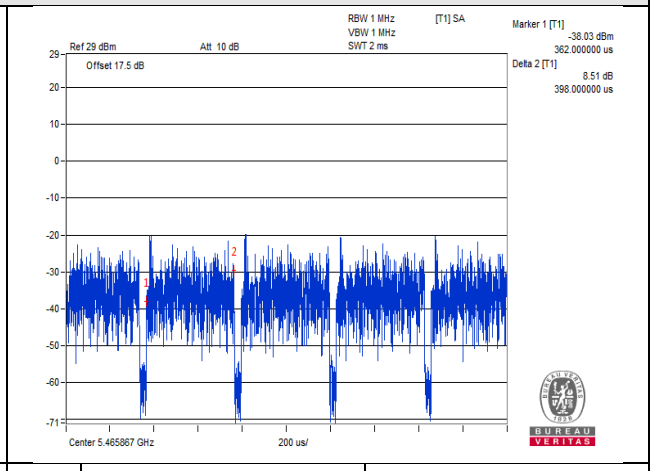


CH 122 (5610MHz)

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 (ex.501) and calculates the mean value. 5. It reports the mean value.

Vnormal





1	5454.195MHz	P = 0.347622uW	2	5465.867MHz	P = 0.463916uW

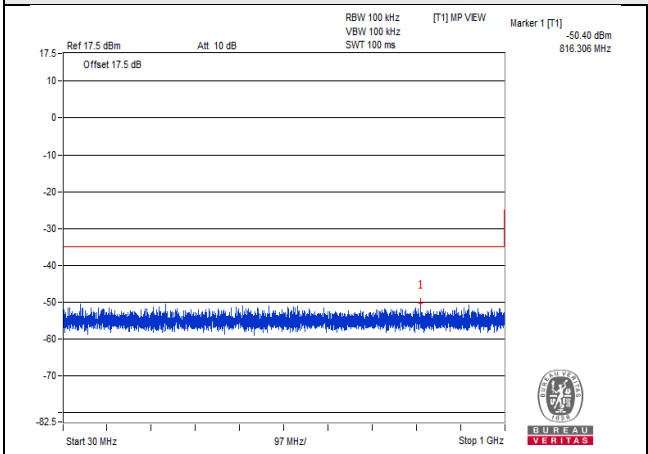
Chain 2

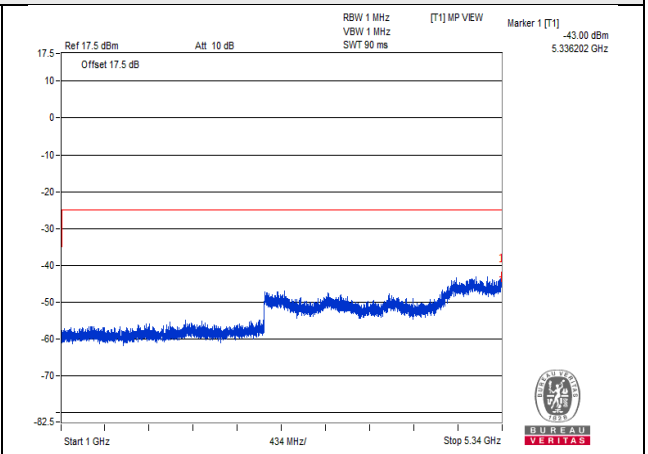
Test Channel		CH 106 (5530MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	816.306	0.009120	0.312	Pass
	1000.0 to 5340.0	5336.202	0.050119	3.125	Pass
	5340.0 to 5460.0	5443.615	0.097536	3.125	Pass(1)
	5460.0 to 5469.5	5465.350	5.807644	12.500	Pass
	5469.5 to 5470.0	5469.720	2.546830	12.800	Pass
	5770.0 to 5800.0	5770.732	0.194089	3.125	Pass
	5800.0 to 26000.0	25840.925	0.526017	3.125	Pass
Test Channel		**CH 122 (5610MHz)**			
V_{normal}	30.0 to 1000.0	769.625	0.009036	0.312	Pass
	1000.0 to 5340.0	5006.905	0.053827	3.125	Pass
	5340.0 to 5460.0	5455.287	0.374973	3.125	Pass
	5460.0 to 5469.5	5467.247	0.578096	12.500	Pass
	5469.5 to 5470.0	5469.605	0.211349	12.800	Pass
	5770.0 to 5800.0	5775.447	0.503501	3.125	Pass
	5800.0 to 26000.0	22030.700	0.504661	3.125	Pass

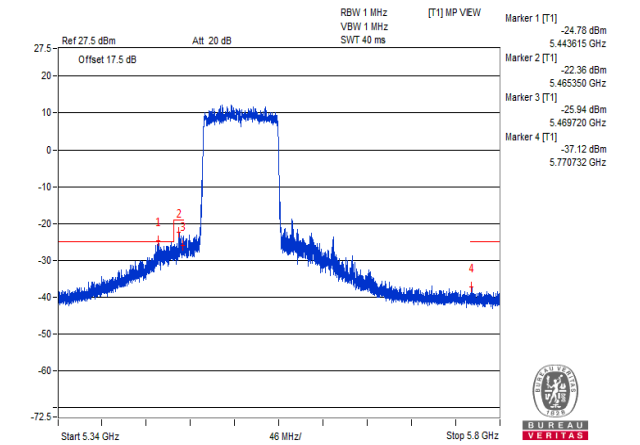
Note: 1. The spectrum plots are attached on the following pages.

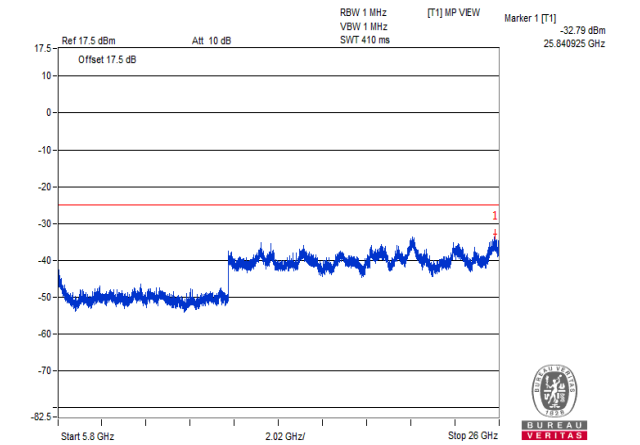
2. (No.): The value was tested under Measuring Mode *Zero Span.

Vnormal



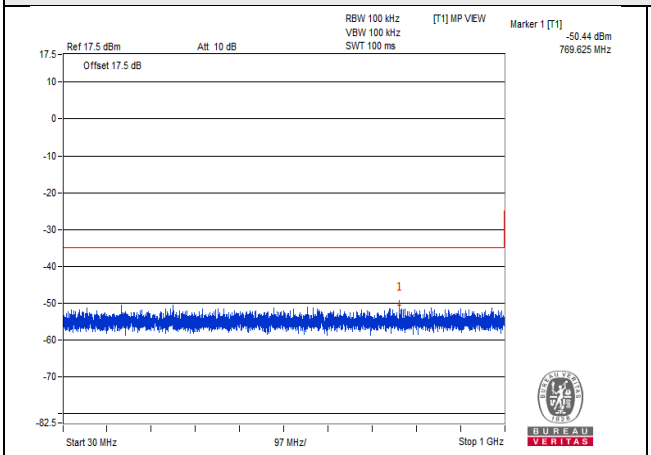


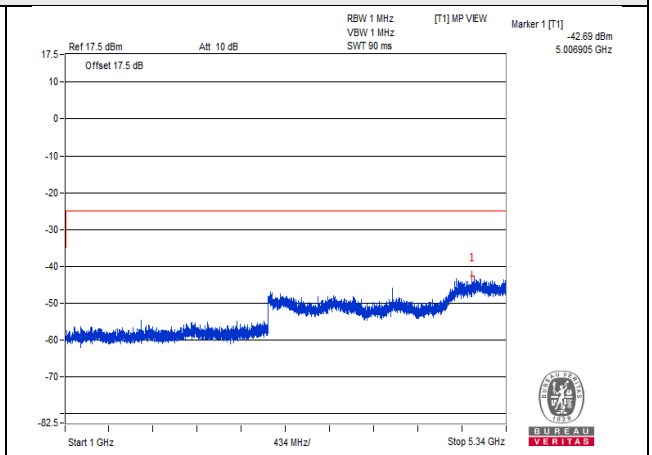


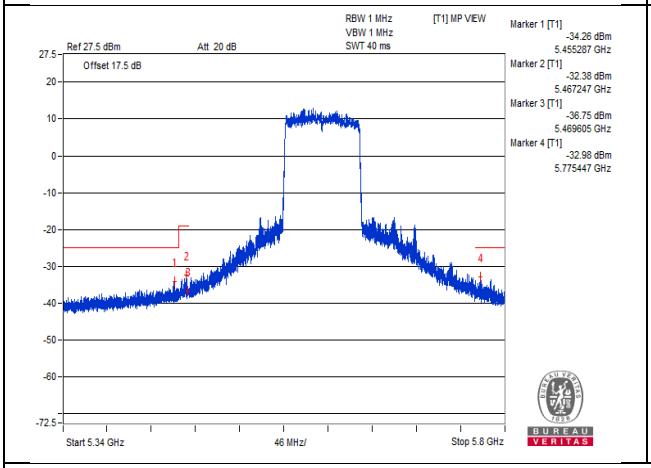


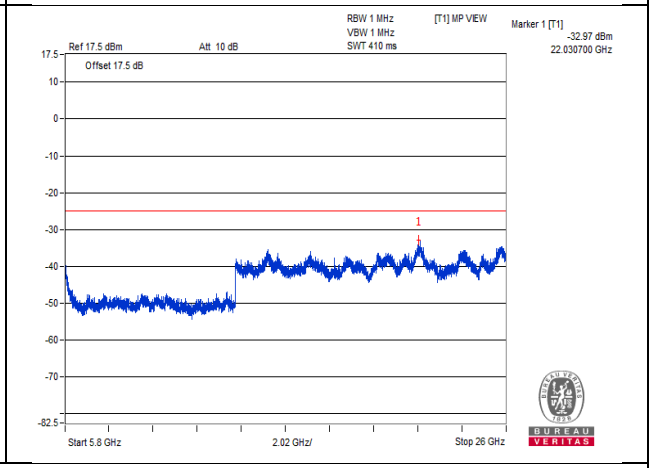
CH 106 (5530MHz)

Vnormal

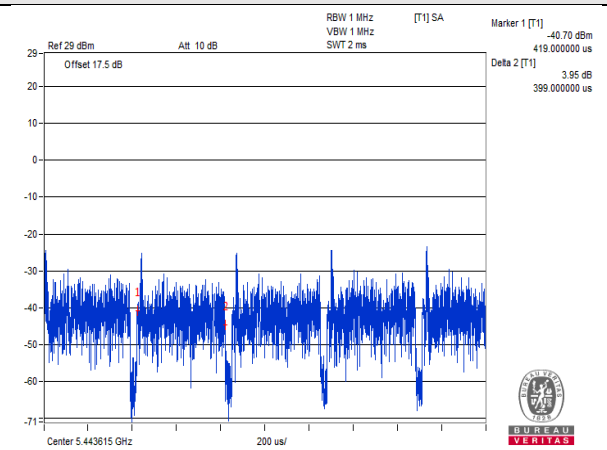








CH 122 (5610MHz)

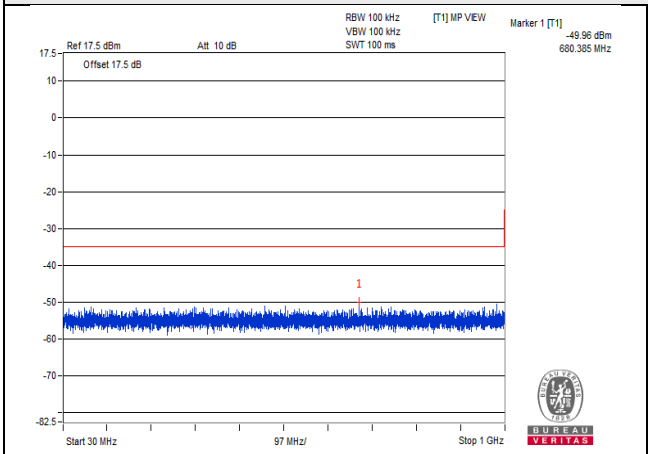
Measuring Mode *Zero Span					
1. Set the spectrum analyzer as below and it takes in a value of all data point. 2. Regarding the all data value, it transforms the “dBm” value into “uW” value. 3. It adds the all values and calculates a grand total. Define a grand total as “P”. 4. It divides “P” by sample data point (ex.501) and calculates the mean value. 5. It reports the mean value.					
Vnormal					
					
1	5443.615MHz	P = 0.097536uW			

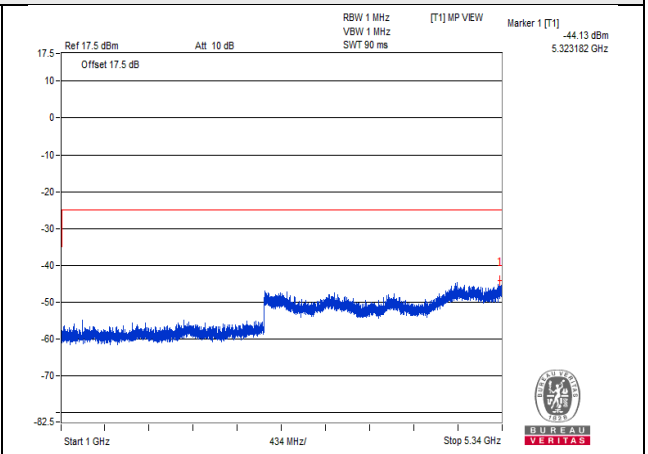
Chain 3

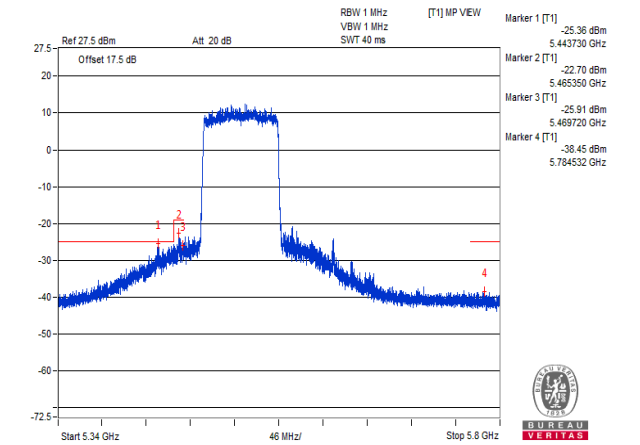
Test Channel		CH 106 (5530MHz)			
Test Condition	**Frequency Range (MHz)**	**Frequency (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	680.385	0.010093	0.312	Pass
	1000.0 to 5340.0	5323.182	0.038637	3.125	Pass
	5340.0 to 5460.0	5443.730	2.910717	3.125	Pass
	5460.0 to 5469.5	5465.350	5.370318	12.500	Pass
	5469.5 to 5470.0	5469.720	2.564484	12.800	Pass
	5770.0 to 5800.0	5784.532	0.142889	3.125	Pass
	5800.0 to 26000.0	25883.850	0.721107	3.125	Pass
Test Channel		**CH 122 (5610MHz)**			
V_{normal}	30.0 to 1000.0	735.190	0.008892	0.312	Pass
	1000.0 to 5340.0	5048.135	0.040644	3.125	Pass
	5340.0 to 5460.0	5458.450	0.309030	3.125	Pass
	5460.0 to 5469.5	5463.855	0.635331	12.500	Pass
	5469.5 to 5470.0	5469.605	0.374973	12.800	Pass
	5770.0 to 5800.0	5773.147	0.375837	3.125	Pass
	5800.0 to 26000.0	22093.825	0.506991	3.125	Pass

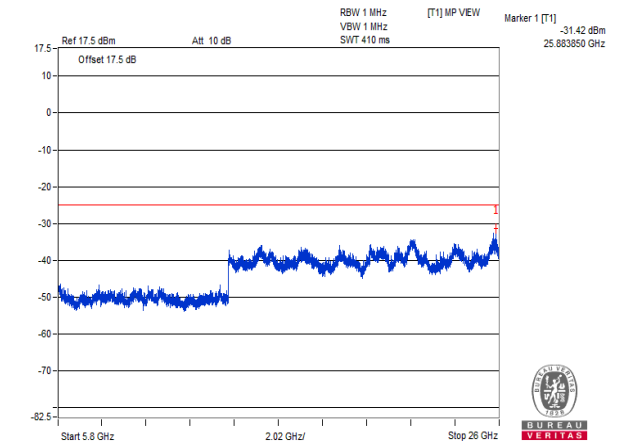
Note: The spectrum plots are attached on the following pages.

Vnormal



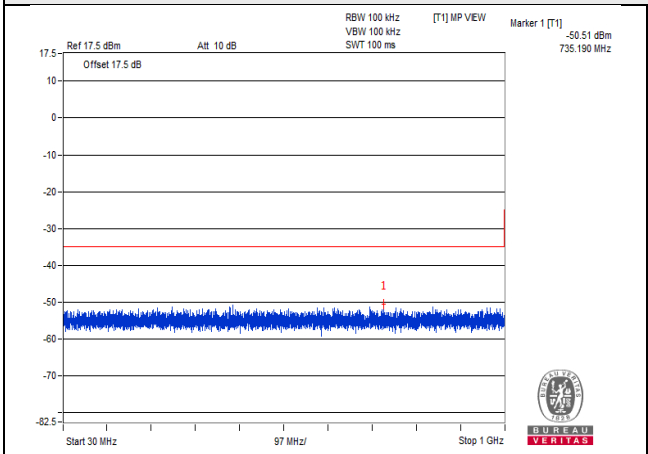


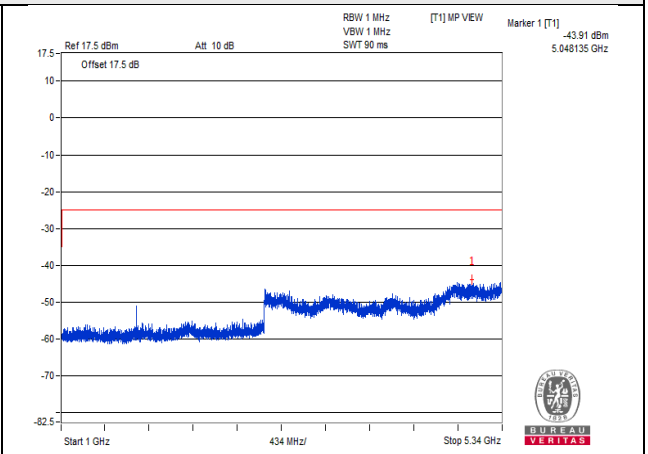


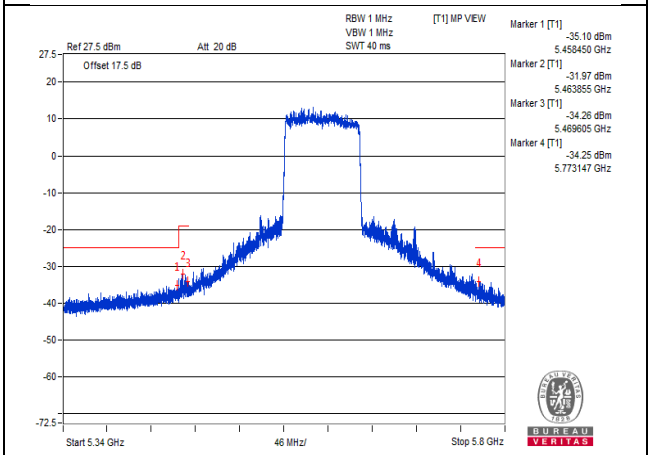


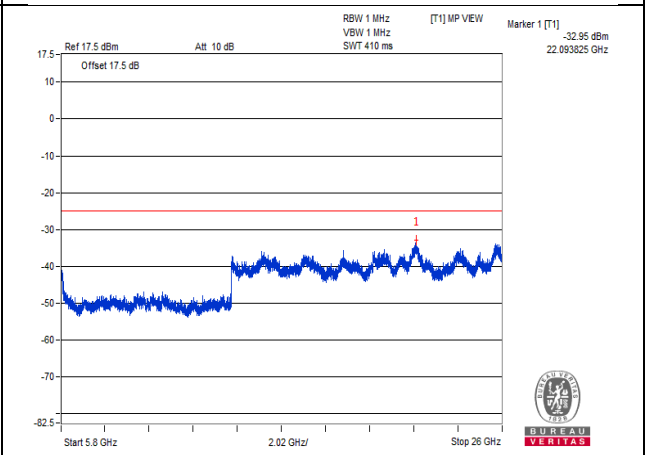
CH 106 (5530MHz)

Vnormal









CH 122 (5610MHz)

[Worst result] x [Number of antenna ports]

Test Channel		CH 106 (5530MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value (uW)**	**Limit (uW)**	**Result**
V_{normal}	30.0 to 1000.0	0.042664	1.248	Pass
	1000.0 to 5340.0	0.258856	12.5	Pass
	5340.0 to 5460.0	11.642868	12.5	Pass
	5460.0 to 5469.5	23.230576	50	Pass
	5469.5 to 5470.0	30.273316	50	Pass
	5770.0 to 5800.0	0.833796	12.5	Pass
	5800.0 to 26000.0	2.884428	12.5	Pass
Test Channel		**CH 122 (5610MHz)**		
V_{normal}	30.0 to 1000.0	0.038552	1.248	Pass
	1000.0 to 5340.0	0.221340	12.5	Pass
	5340.0 to 5460.0	1.682908	12.5	Pass
	5460.0 to 5469.5	3.459872	50	Pass
	5469.5 to 5470.0	1.918932	51.2	Pass
	5770.0 to 5800.0	2.741952	12.5	Pass
	5800.0 to 26000.0	2.027964	12.5	Pass

Note**:** The test result is Chain 0, Chain 1, Chain 2 and Chain 3 [Worst result] x [Number of antenna ports].

4.4 Adjacent Channel Leakage Power

4.4.1 Limts of Adjacent Channel Leakage Power

802.11a / 802.11n (HT20) / 802.11ac (VHT20) / 802.11ax (HE20)

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

802.11n (HT40) / 802.11ac (VHT40) / 802.11ax (HE40)

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

802.11ac (VHT80) / 802.11ax (HE80)

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

4.4.2 Test Setup



4.4.3 Test Result

3TX

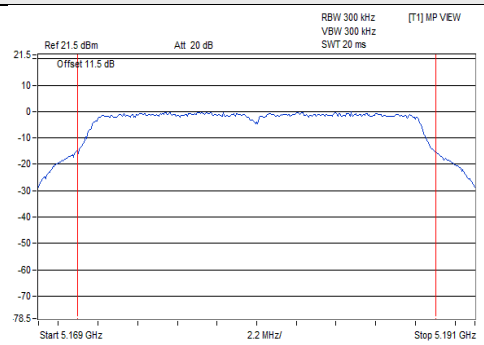
W52 & W53 Bands:

802.11a

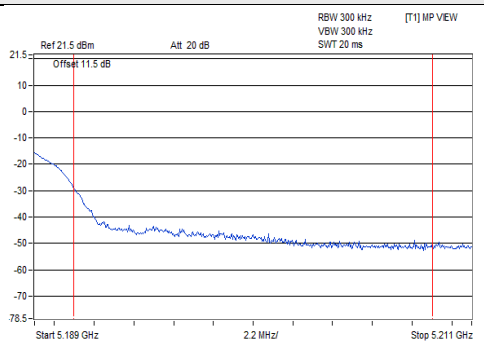
Chain 0

Test Condition \ Test Channel		CH 36 (5180MHz)	CH 48 (5240MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	16.39	16.93	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	41.89	41.68	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	41.61	41.32	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	49.86	50.60	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	49.33	50.21	40	Pass
Test Condition \ Test Channel		**CH 52 (5260MHz)**	**CH 64 (5320MHz)**	**Min. Limit (dBc)**	**Result**
V_{normal}	Mean Power of Carrier (dBm)	17.85	17.71	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	41.14	41.74	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	40.34	40.93	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	51.18	50.66	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	50.30	50.53	40	Pass

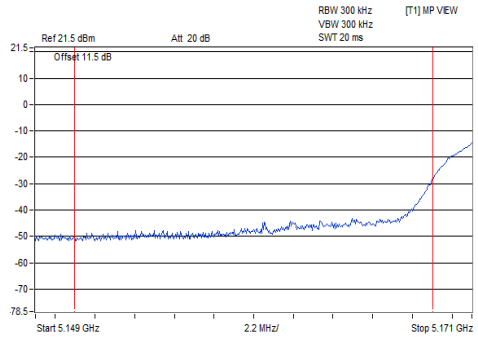
Vnormal



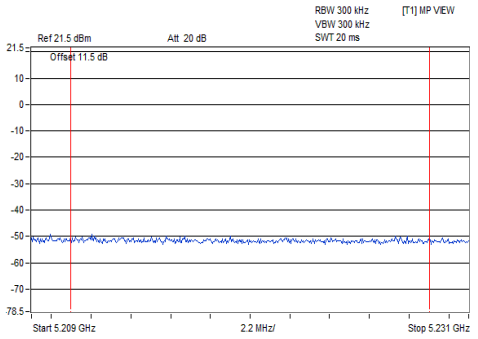
TX Channel Bandwidth 18 MHz Power 16.39 dBm



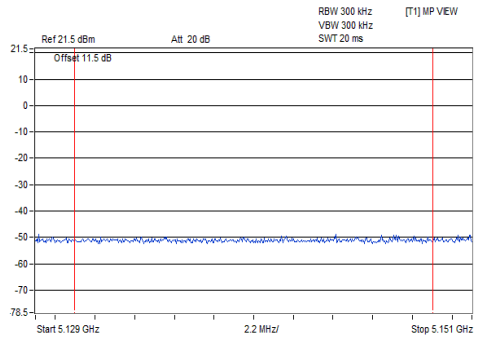
TX Channel Bandwidth 18 MHz Power -25.5 dBm



TX Channel Bandwidth 18 MHz Power -25.22 dBm



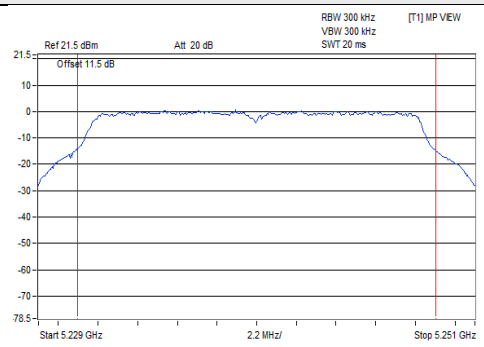
TX Channel Bandwidth 18 MHz Power -33.47 dBm



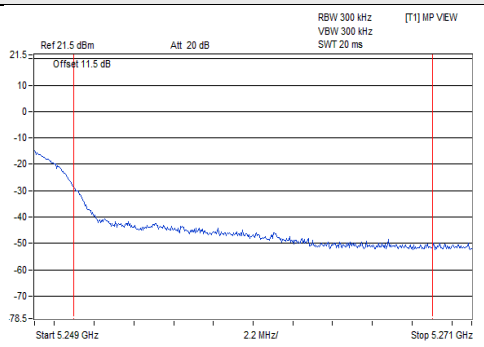
TX Channel Bandwidth 18 MHz Power -32.94 dBm

CH 36 (5180MHz)

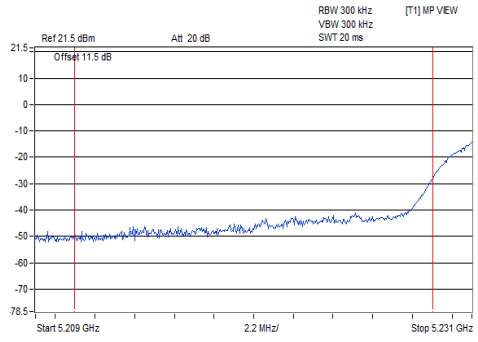
Vnormal



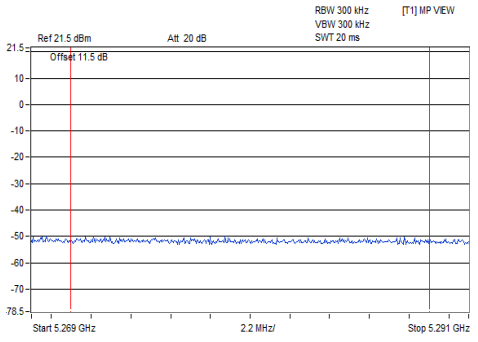
TX Channel Bandwidth 18 MHz Power 16.93 dBm



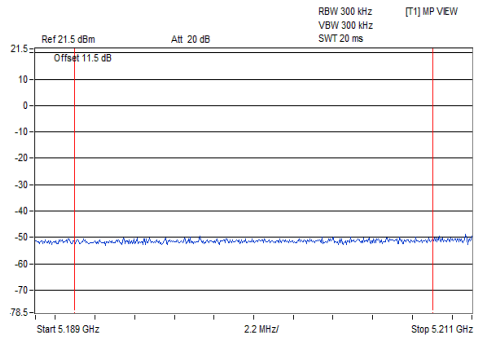
TX Channel Bandwidth 18 MHz Power -24.75 dBm



TX Channel Bandwidth 18 MHz Power -24.39 dBm



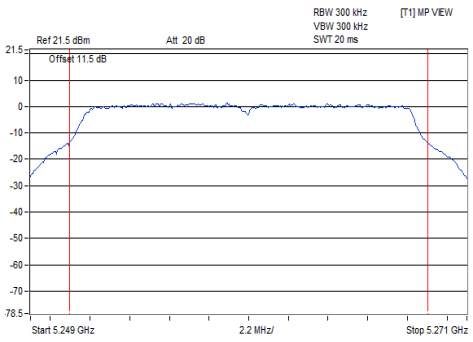
TX Channel Bandwidth 18 MHz Power -33.67 dBm



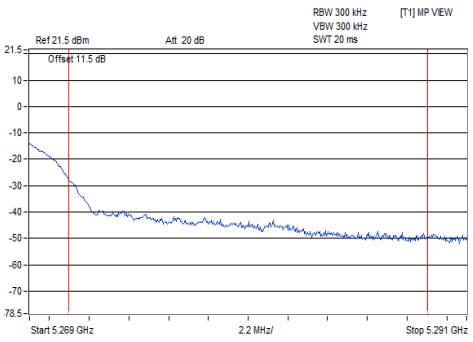
TX Channel Bandwidth 18 MHz Power -33.28 dBm

CH 48 (5240MHz)

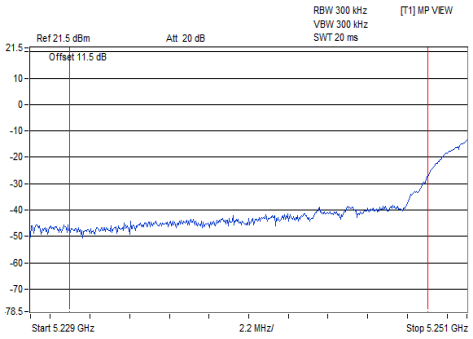
Vnormal



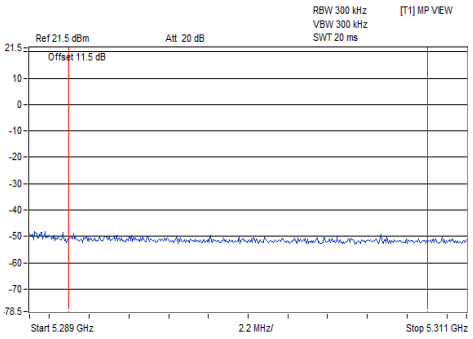
TX Channel Bandwidth 18 MHz Power 17.85 dBm



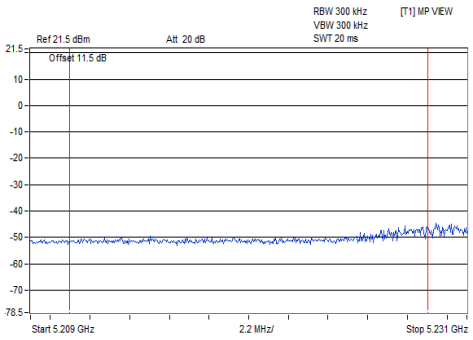
TX Channel Bandwidth 18 MHz Power -23.29 dBm



TX Channel Bandwidth 18 MHz Power -22.49 dBm



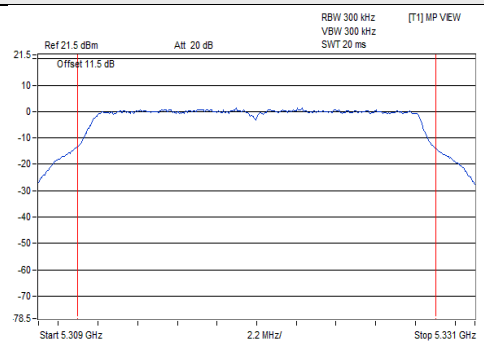
TX Channel Bandwidth 18 MHz Power -33.33 dBm



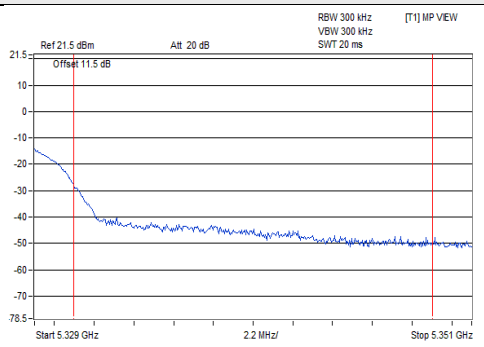
TX Channel Bandwidth 18 MHz Power -32.45 dBm

CH 52 (5260MHz)

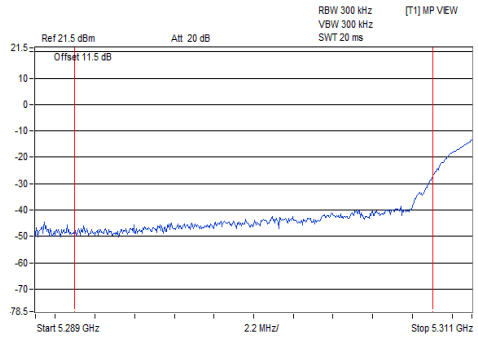
Vnormal



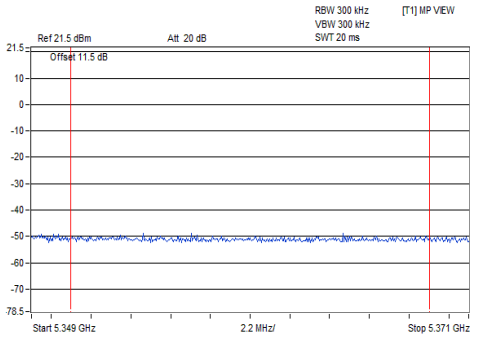
TX Channel Bandwidth 18 MHz Power 17.71 dBm



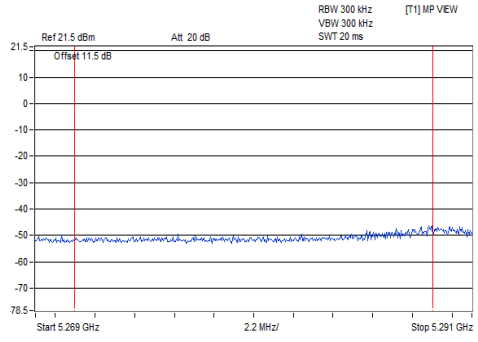
TX Channel Bandwidth 18 MHz Power -24.03 dBm



TX Channel Bandwidth 18 MHz Power -23.22 dBm



TX Channel Bandwidth 18 MHz Power -32.95 dBm



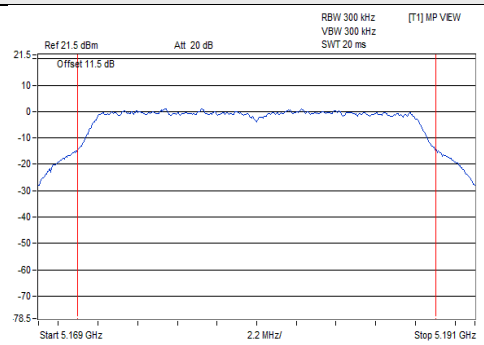
TX Channel Bandwidth 18 MHz Power -32.82 dBm

CH 64 (5320MHz)

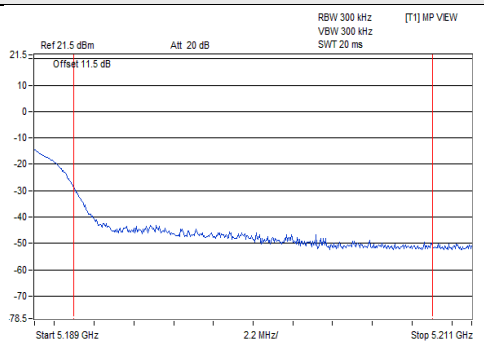
Chain 1

Test Condition \ Test Channel		CH 36 (5180MHz)	CH 48 (5240MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	17.02	17.26	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	42.72	42.48	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	42.53	42.34	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	50.64	51.09	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	49.98	50.52	40	Pass
Test Condition \ Test Channel		**CH 52 (5260MHz)**	**CH 64 (5320MHz)**	**Min. Limit (dBc)**	**Result**
V_{normal}	Mean Power of Carrier (dBm)	17.63	17.63	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	42.29	42.40	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	41.47	41.89	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	51.28	50.87	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	50.78	51.10	40	Pass

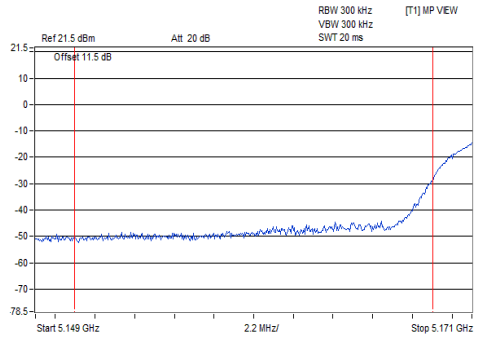
Vnormal



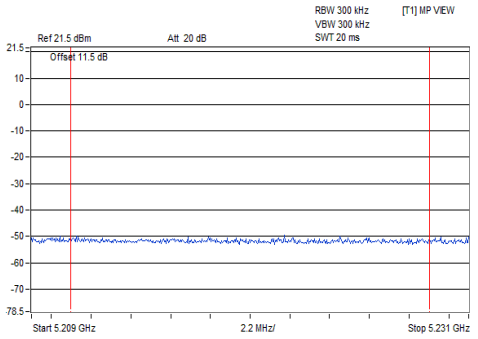
TX Channel Bandwidth 18 MHz Power 17.02 dBm



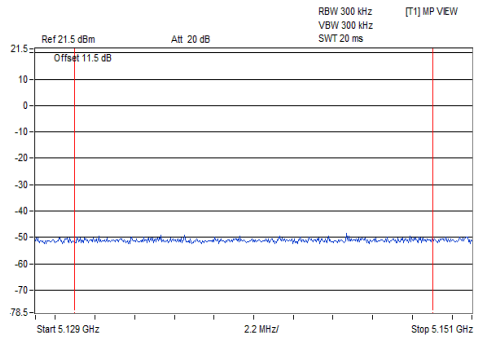
TX Channel Bandwidth 18 MHz Power -25.7 dBm



TX Channel Bandwidth 18 MHz Power -25.51 dBm



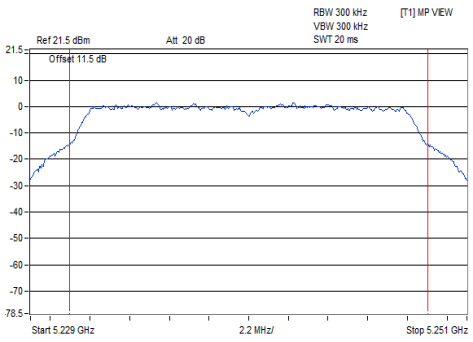
TX Channel Bandwidth 18 MHz Power -33.62 dBm



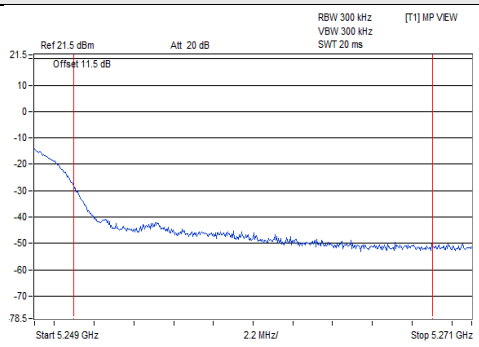
TX Channel Bandwidth 18 MHz Power -32.96 dBm

CH 36 (5180MHz)

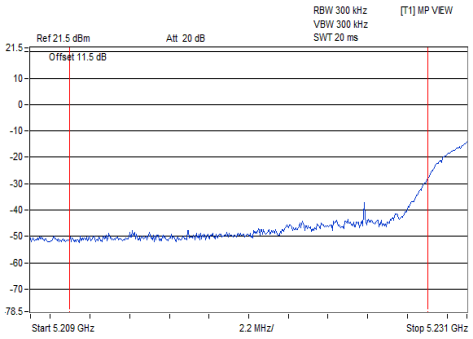
Vnormal



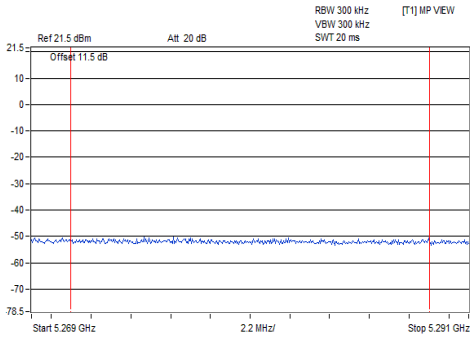
TX Channel Bandwidth 18 MHz Power 17.26 dBm



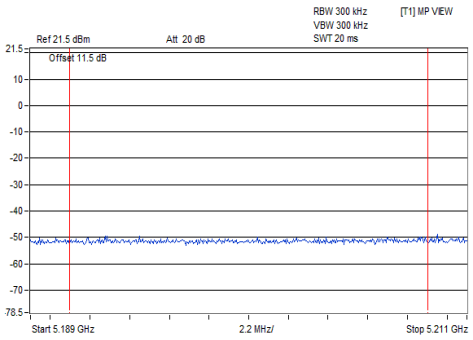
TX Channel Bandwidth 18 MHz Power -25.22 dBm



TX Channel Bandwidth 18 MHz Power -25.08 dBm



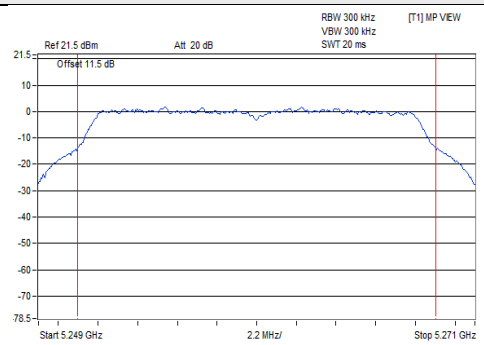
TX Channel Bandwidth 18 MHz Power -33.83 dBm



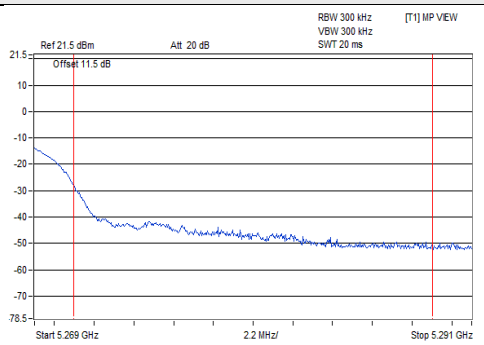
TX Channel Bandwidth 18 MHz Power -33.26 dBm

CH 48 (5240MHz)

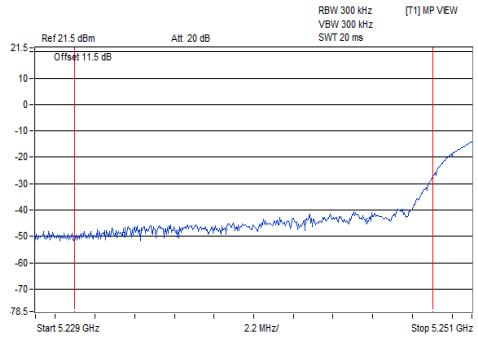
Vnormal



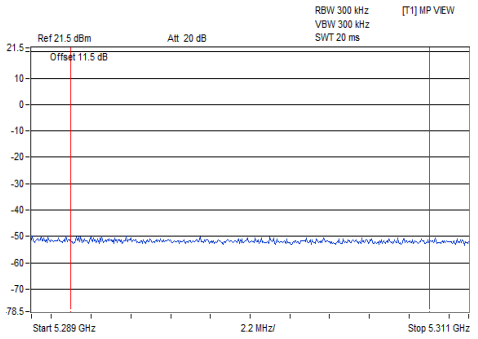
TX Channel Bandwidth 18 MHz Power 17.63 dBm



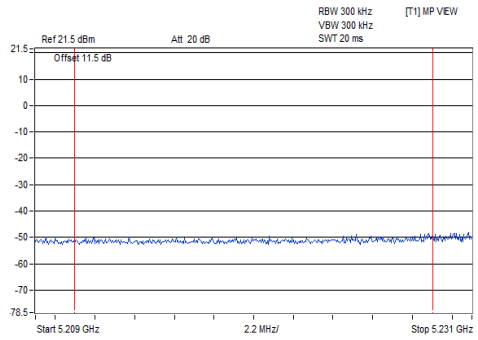
TX Channel Bandwidth 18 MHz Power -24.66 dBm



TX Channel Bandwidth 18 MHz Power -23.84 dBm



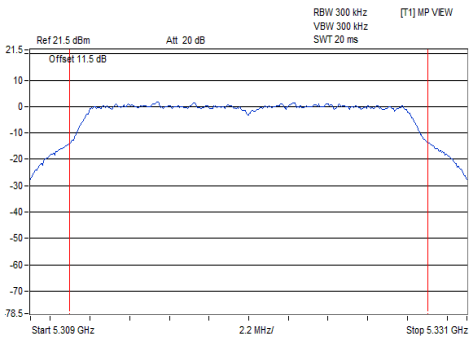
TX Channel Bandwidth 18 MHz Power -33.65 dBm



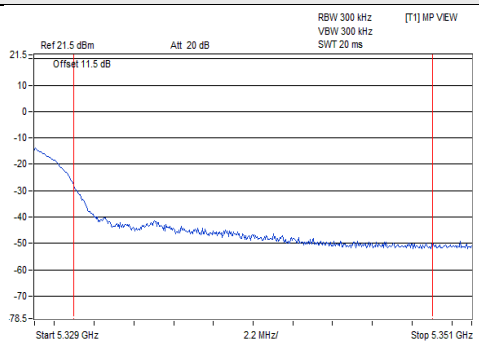
TX Channel Bandwidth 18 MHz Power -33.15 dBm

CH 52 (5260MHz)

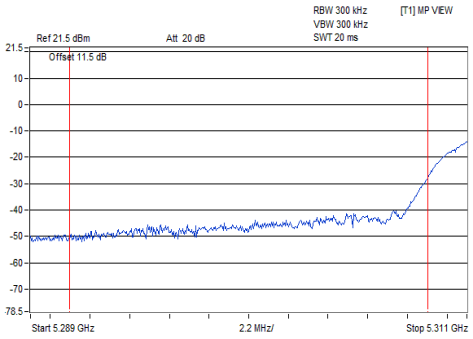
Vnormal



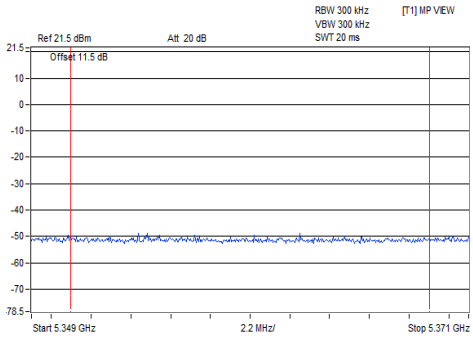
TX Channel Bandwidth 18 MHz Power 17.63 dBm



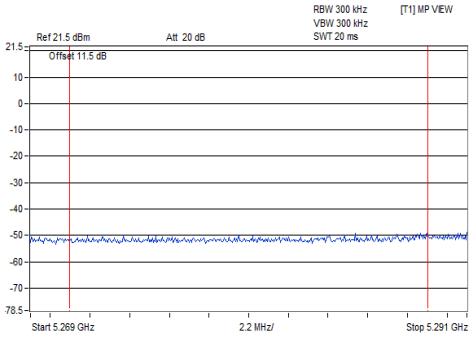
TX Channel Bandwidth 18 MHz Power -24.77 dBm



TX Channel Bandwidth 18 MHz Power -24.26 dBm



TX Channel Bandwidth 18 MHz Power -33.24 dBm



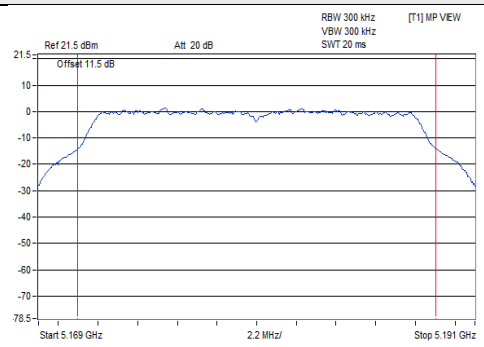
TX Channel Bandwidth 18 MHz Power -33.47 dBm

CH 64 (5320MHz)

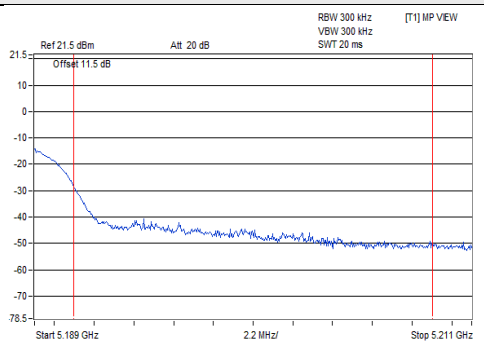
Chain 2

Test Condition \ Test Channel		CH 36 (5180MHz)	CH 48 (5240MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	17.26	17.12	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	42.31	42.37	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	42.08	42.38	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	50.71	50.95	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	50.14	50.35	40	Pass
Test Condition \ Test Channel		**CH 52 (5260MHz)**	**CH 64 (5320MHz)**	**Min. Limit (dBc)**	**Result**
V_{normal}	Mean Power of Carrier (dBm)	18.02	17.58	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	42.18	42.37	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	41.02	41.84	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	51.64	50.80	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	51.05	50.92	40	Pass

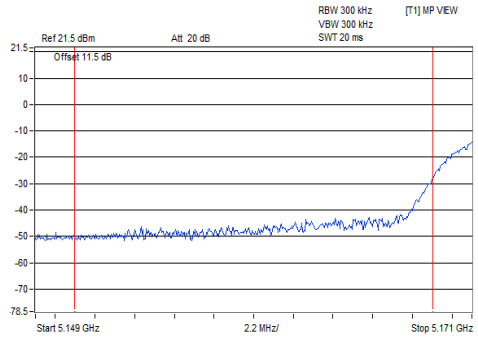
Vnormal



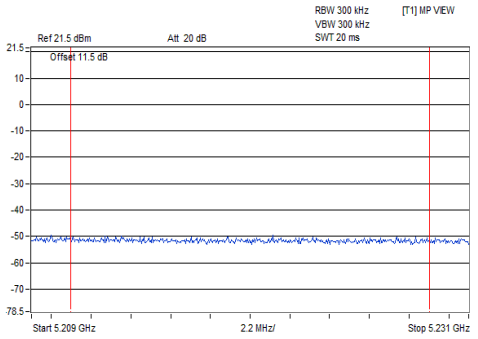
TX Channel Bandwidth 18 MHz Power 17.26 dBm



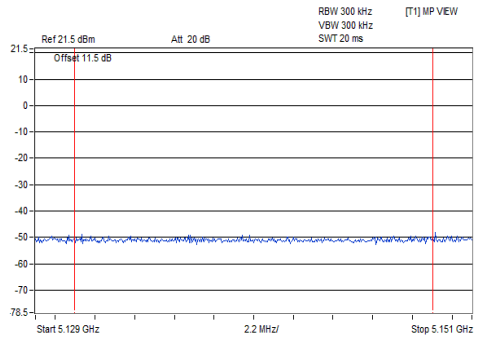
TX Channel Bandwidth 18 MHz Power -25.05 dBm



TX Channel Bandwidth 18 MHz Power -24.82 dBm



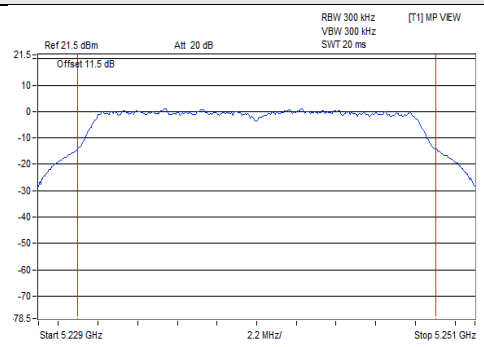
TX Channel Bandwidth 18 MHz Power -33.45 dBm



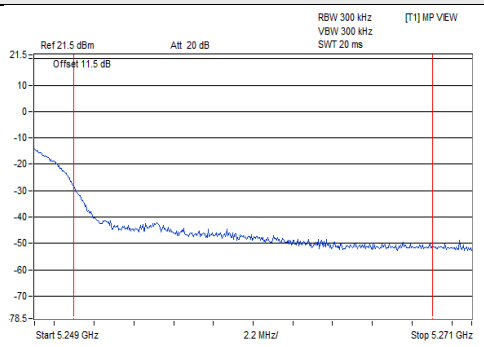
TX Channel Bandwidth 18 MHz Power -32.88 dBm

CH 36 (5180MHz)

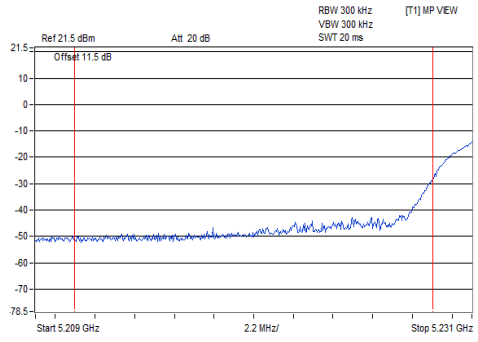
Vnormal



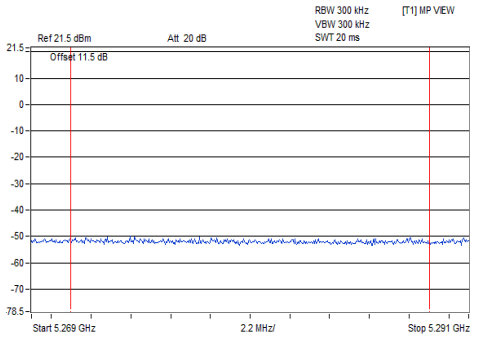
TX Channel Bandwidth 18 MHz Power 17.12 dBm



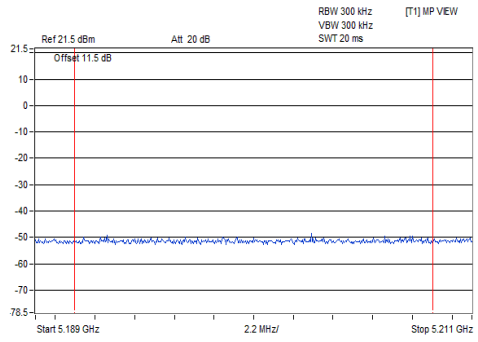
TX Channel Bandwidth 18 MHz Power -25.25 dBm



TX Channel Bandwidth 18 MHz Power -25.26 dBm



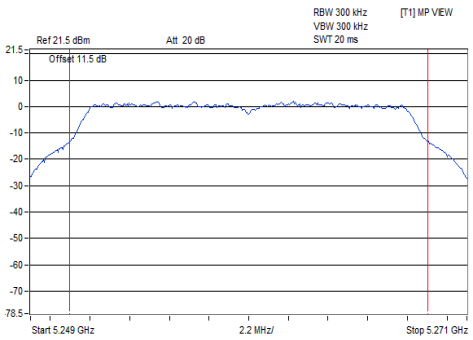
TX Channel Bandwidth 18 MHz Power -33.83 dBm



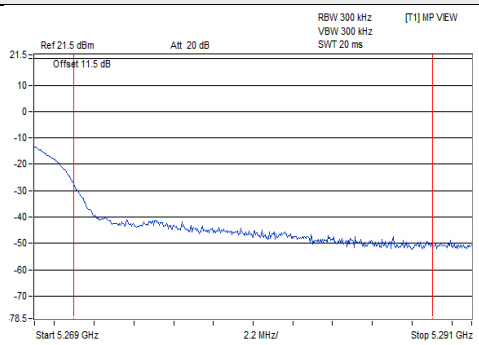
TX Channel Bandwidth 18 MHz Power -33.23 dBm

CH 48 (5240MHz)

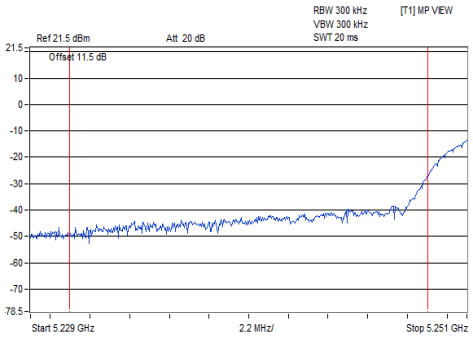
Vnormal



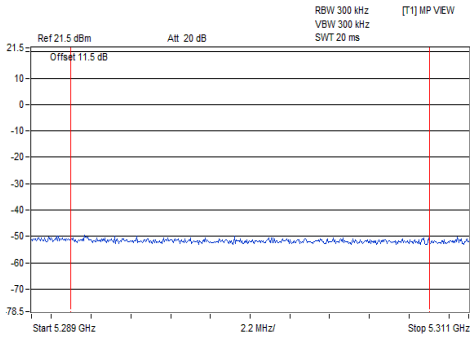
TX Channel Bandwidth 18 MHz Power 18.02 dBm



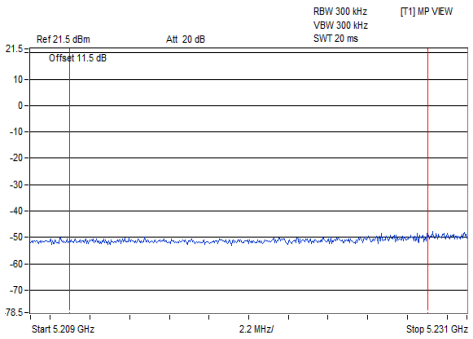
TX Channel Bandwidth 18 MHz Power -24.16 dBm



TX Channel Bandwidth 18 MHz Power -23 dBm



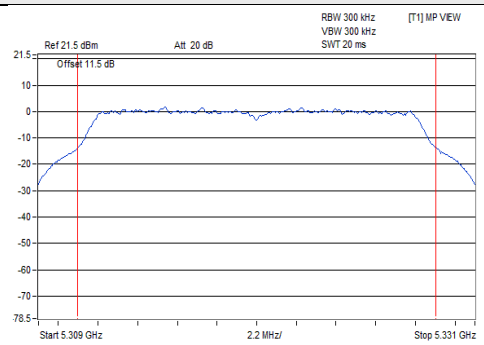
TX Channel Bandwidth 18 MHz Power -33.62 dBm



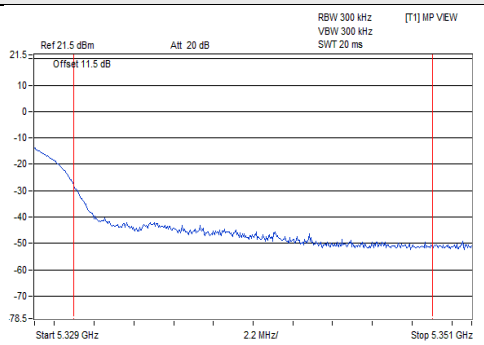
TX Channel Bandwidth 18 MHz Power -33.03 dBm

CH 52 (5260MHz)

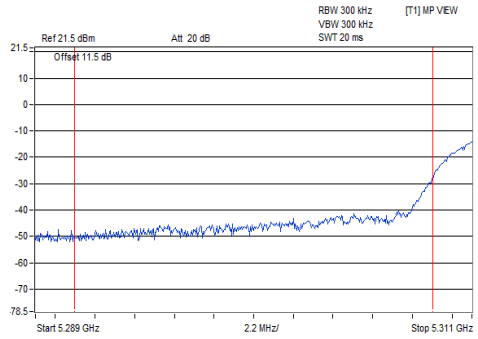
Vnormal



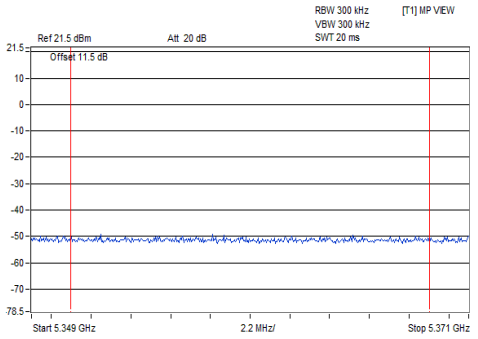
TX Channel Bandwidth 18 MHz Power 17.58 dBm



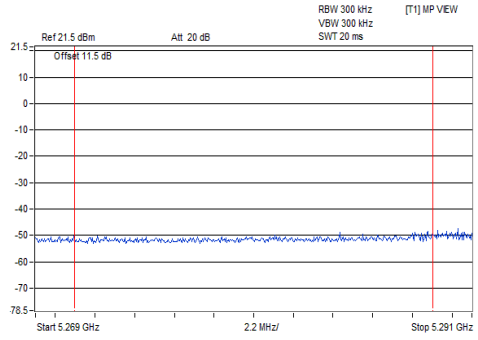
TX Channel Bandwidth 18 MHz Power -24.79 dBm



TX Channel Bandwidth 18 MHz Power -24.26 dBm



TX Channel Bandwidth 18 MHz Power -33.22 dBm



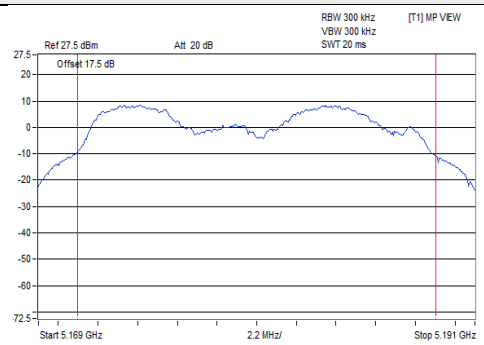
TX Channel Bandwidth 18 MHz Power -33.34 dBm

CH 64 (5320MHz)

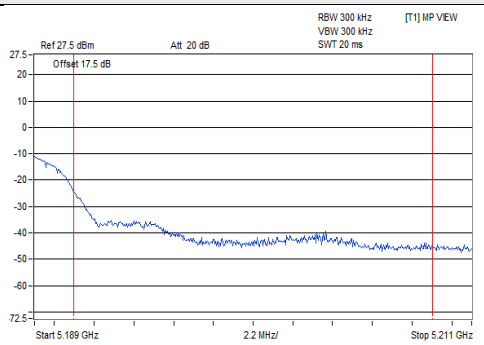
Use Combiner

Test Condition \ Test Channel		CH 36 (5180MHz)	CH 48 (5240MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	22.14	22.14	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	42.14	42.72	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	41.51	42.23	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	49.92	50.27	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	49.39	49.76	40	Pass
Test Condition \ Test Channel		**CH 52 (5260MHz)**	**CH 64 (5320MHz)**	**Min. Limit (dBc)**	**Result**
V_{normal}	Mean Power of Carrier (dBm)	22.67	22.44	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	41.84	42.63	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	40.46	41.58	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	50.62	49.94	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	50.20	50.33	40	Pass

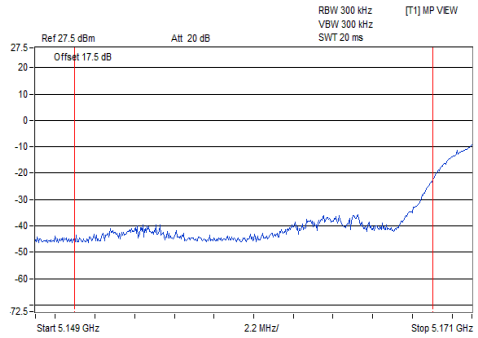
Vnormal



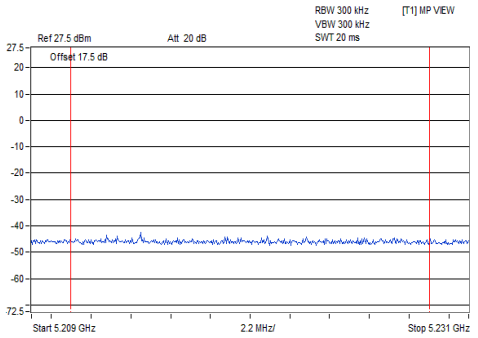
TX Channel Bandwidth 18 MHz Power 22.14 dBm



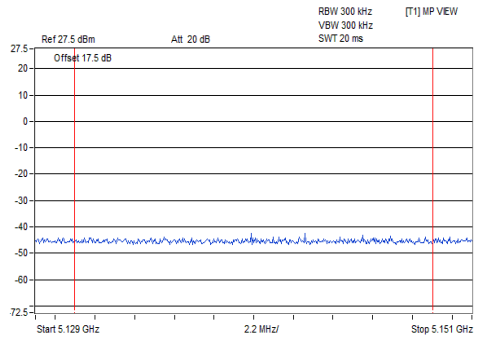
TX Channel Bandwidth 18 MHz Power -20 dBm



TX Channel Bandwidth 18 MHz Power -19.37 dBm



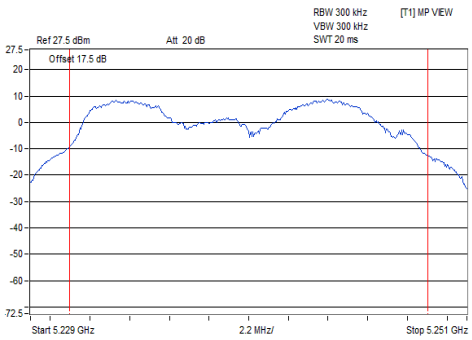
TX Channel Bandwidth 18 MHz Power -27.78 dBm



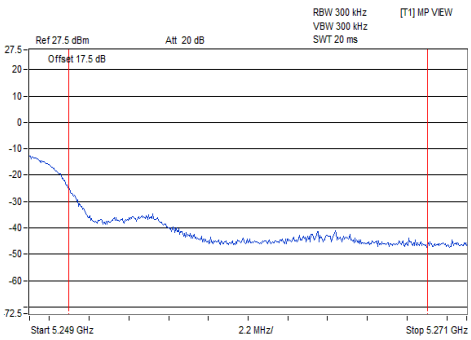
TX Channel Bandwidth 18 MHz Power -27.25 dBm

CH 36 (5180MHz)

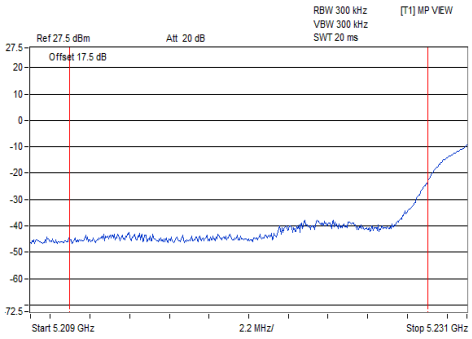
Vnormal



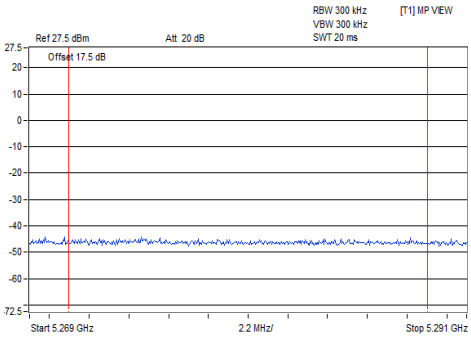
TX Channel Bandwidth 18 MHz Power 22.14 dBm



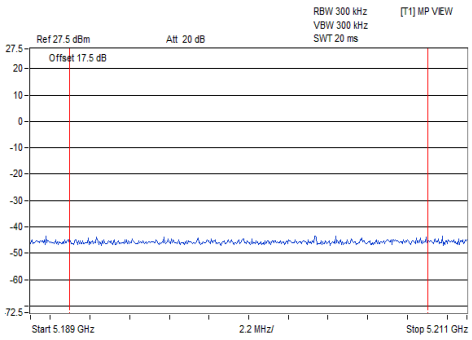
TX Channel Bandwidth 18 MHz Power -20.58 dBm



TX Channel Bandwidth 18 MHz Power -20.09 dBm



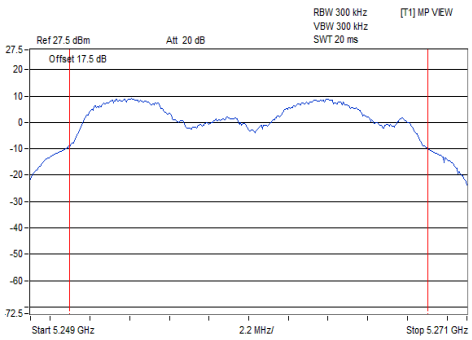
TX Channel Bandwidth 18 MHz Power -28.13 dBm



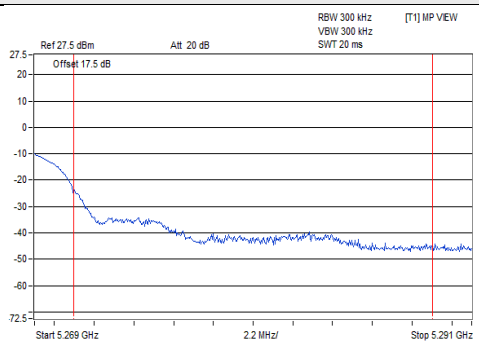
TX Channel Bandwidth 18 MHz Power -27.62 dBm

CH 48 (5240MHz)

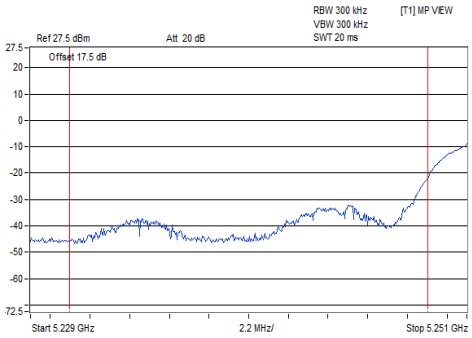
Vnormal



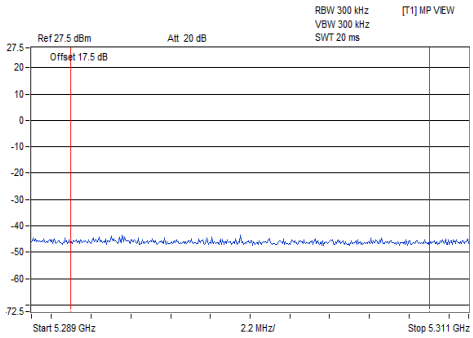
TX Channel Bandwidth 18 MHz Power 22.67 dBm



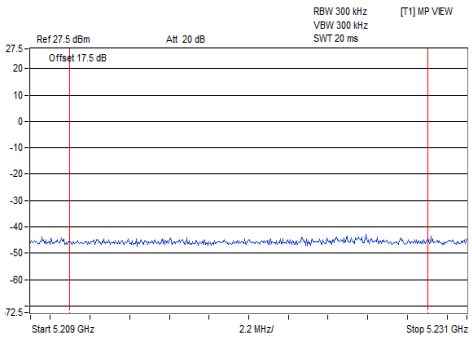
TX Channel Bandwidth 18 MHz Power -19.17 dBm



TX Channel Bandwidth 18 MHz Power -17.79 dBm



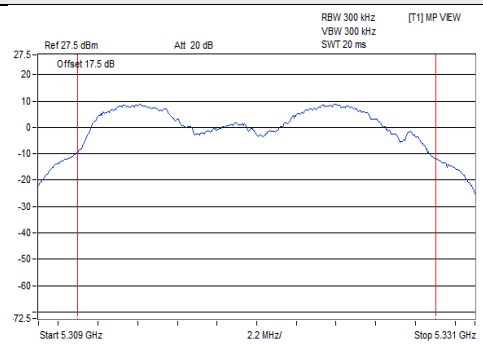
TX Channel Bandwidth 18 MHz Power -27.95 dBm



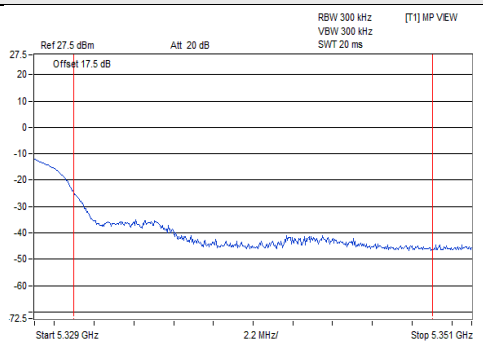
TX Channel Bandwidth 18 MHz Power -27.53 dBm

CH 52 (5260MHz)

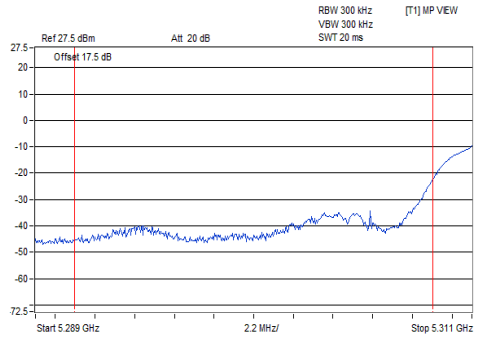
Vnormal



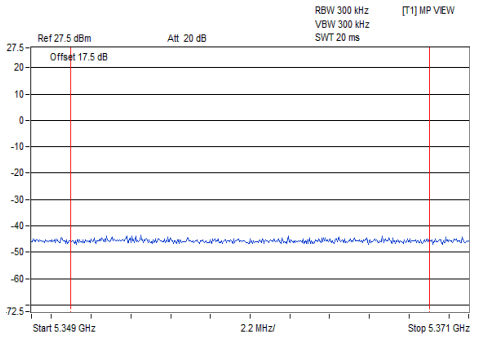
TX Channel Bandwidth 18 MHz Power 22.44 dBm



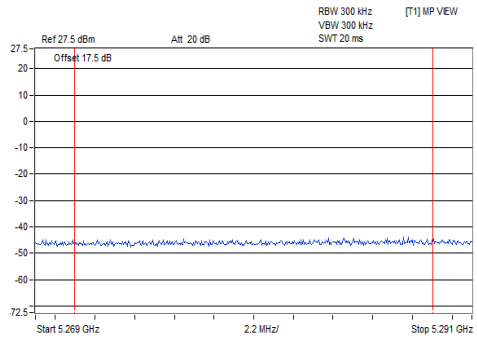
TX Channel Bandwidth 18 MHz Power -20.19 dBm



TX Channel Bandwidth 18 MHz Power -19.14 dBm



TX Channel Bandwidth 18 MHz Power -27.5 dBm



TX Channel Bandwidth 18 MHz Power -27.89 dBm

CH 64 (5320MHz)

Sum of each Chain

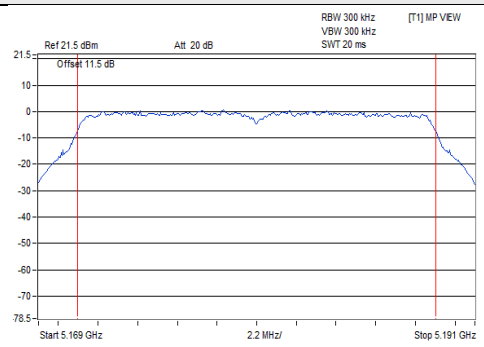
Test Channel		CH 36 (5180MHz)		
Test Condition	**Frequency Range (MHz)**	**Measured Value**	**MIN. Limit (dBc)**	**Result**
V_{normal}	Mean Power of Carrier (dBm)	21.68	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	47.09	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	46.86	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	55.19	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	54.60	40	Pass
Test Channel		**CH 48 (5240MHz)**		
V_{normal}	Mean Power of Carrier (dBm)	21.88	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	46.96	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	46.81	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	55.66	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	55.13	40	Pass
Test Channel		**CH 52 (5260MHz)**		
V_{normal}	Mean Power of Carrier (dBm)	22.61	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	46.67	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	45.74	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	56.14	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	55.49	40	Pass
Test Channel		**CH 64 (5320MHz)**		
V_{normal}	Mean Power of Carrier (dBm)	22.41	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	46.95	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	46.35	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	55.55	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	55.63	40	Pass

Note: The test result is sum of Chain 0, Chain 1 and Chain 2.

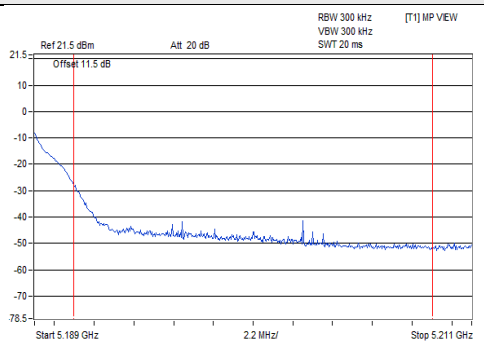
W52 & W53 Bands:
802.11ac (VHT20)
Chain 0

Test Condition \ Test Channel		CH 36 (5180MHz)	CH 48 (5240MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	16.93	17.29	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	42.01	41.70	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	42.04	41.84	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	50.55	51.10	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	49.87	50.56	40	Pass
Test Condition \ Test Channel		**CH 52 (5260MHz)**	**CH 64 (5320MHz)**	**Min. Limit (dBc)**	**Result**
V_{normal}	Mean Power of Carrier (dBm)	17.86	17.46	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	41.77	41.84	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	41.67	41.76	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	51.55	50.72	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	51.12	51.04	40	Pass

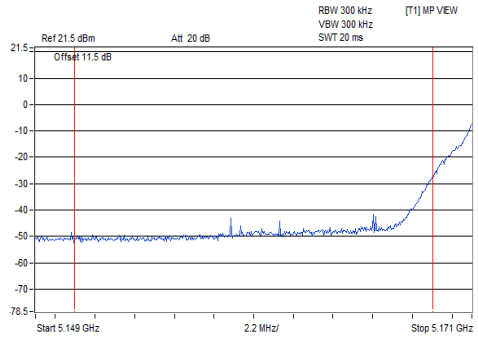
Vnormal



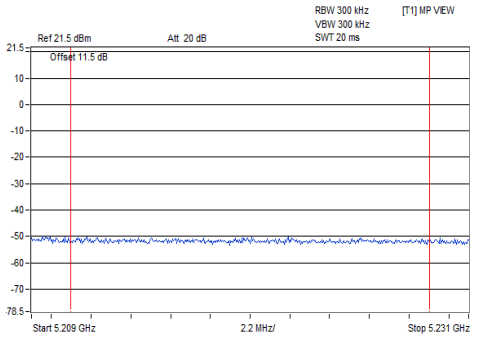
TX Channel Bandwidth 18 MHz Power 16.93 dBm



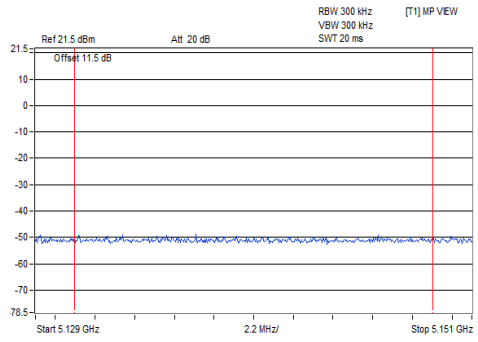
TX Channel Bandwidth 18 MHz Power -25.08 dBm



TX Channel Bandwidth 18 MHz Power -25.11 dBm



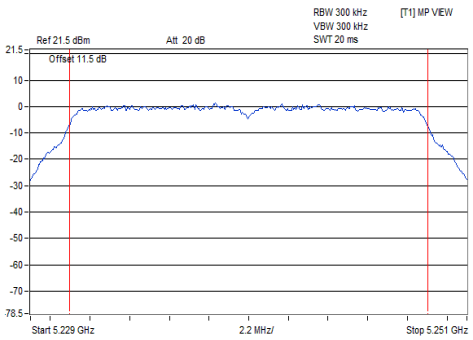
TX Channel Bandwidth 18 MHz Power -33.62 dBm



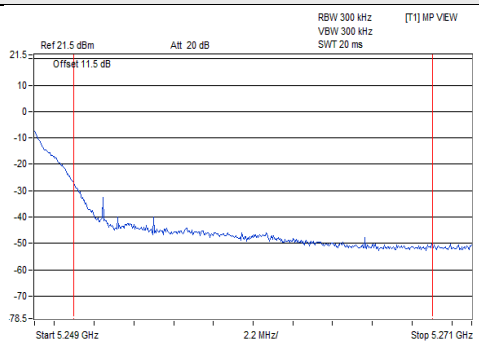
TX Channel Bandwidth 18 MHz Power -32.94 dBm

CH 36 (5180MHz)

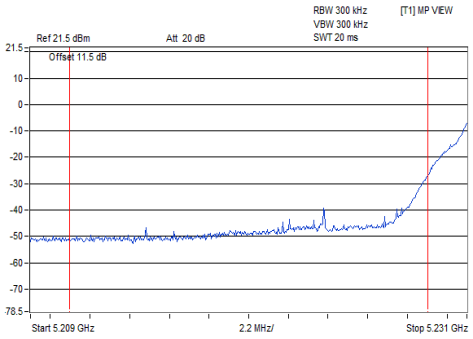
Vnormal



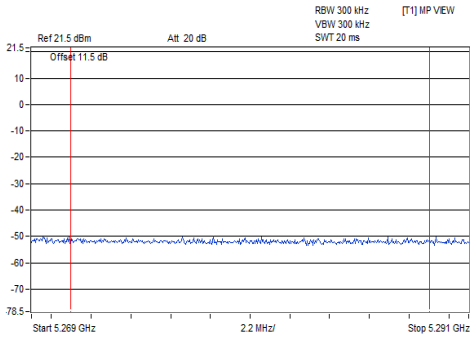
TX Channel Bandwidth 18 MHz Power 17.29 dBm



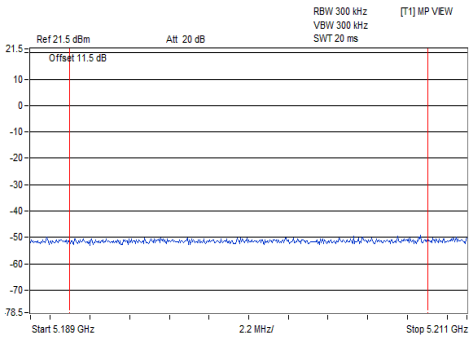
TX Channel Bandwidth 18 MHz Power -24.41 dBm



TX Channel Bandwidth 18 MHz Power -24.55 dBm



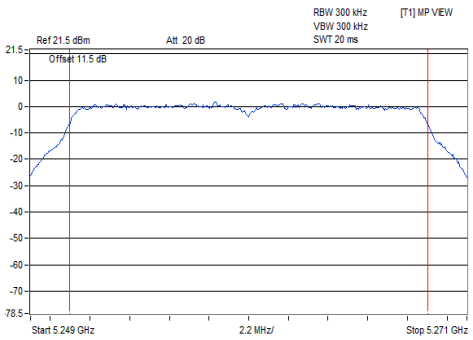
TX Channel Bandwidth 18 MHz Power -33.81 dBm



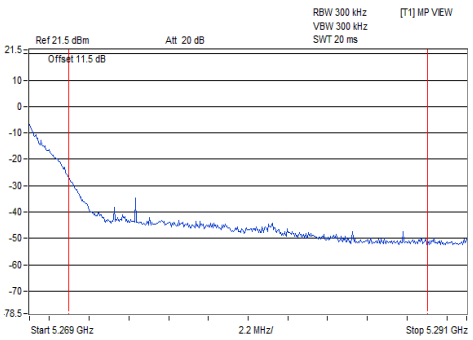
TX Channel Bandwidth 18 MHz Power -33.27 dBm

CH 48 (5240MHz)

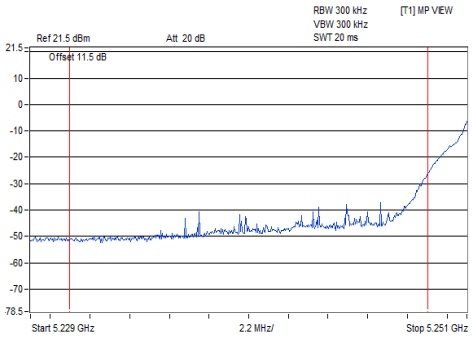
Vnormal



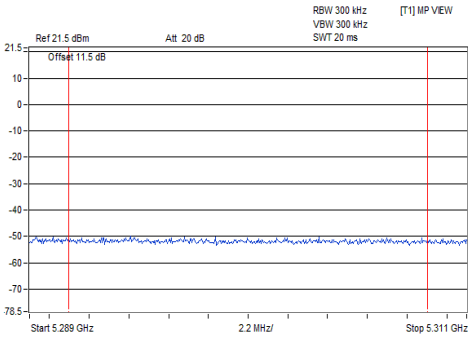
TX Channel Bandwidth 18 MHz Power 17.86 dBm



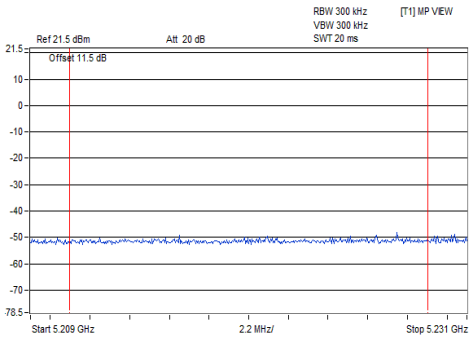
TX Channel Bandwidth 18 MHz Power -23.91 dBm



TX Channel Bandwidth 18 MHz Power -23.81 dBm



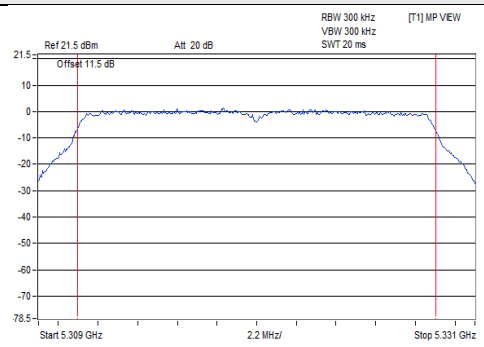
TX Channel Bandwidth 18 MHz Power -33.69 dBm



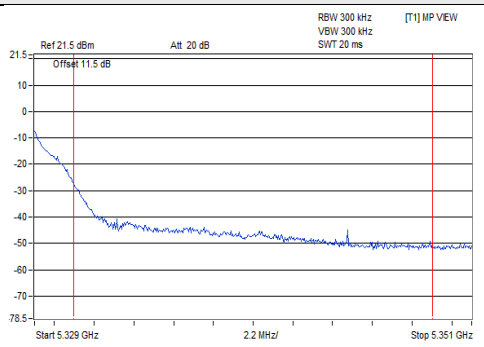
TX Channel Bandwidth 18 MHz Power -33.26 dBm

CH 52 (5260MHz)

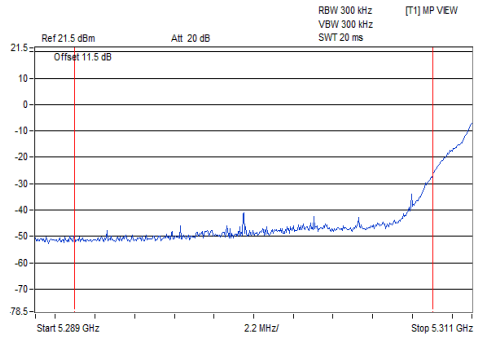
Vnormal



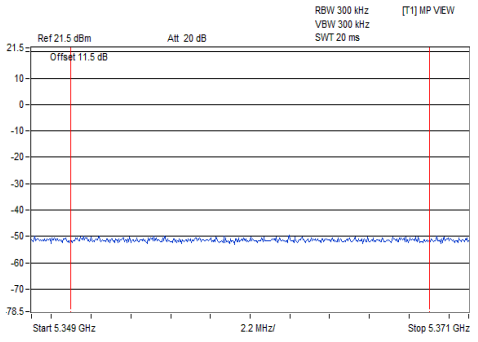
TX Channel Bandwidth 18 MHz Power 17.46 dBm



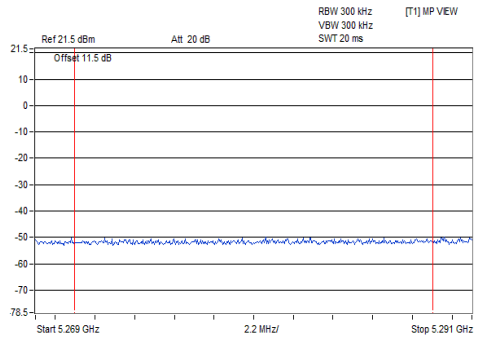
TX Channel Bandwidth 18 MHz Power -24.38 dBm



TX Channel Bandwidth 18 MHz Power -24.3 dBm



TX Channel Bandwidth 18 MHz Power -33.26 dBm



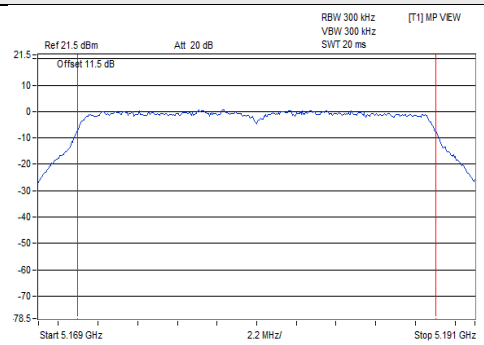
TX Channel Bandwidth 18 MHz Power -33.58 dBm

CH 64 (5320MHz)

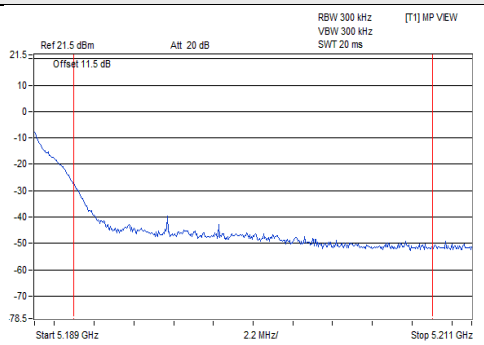
Chain 1

Test Condition \ Test Channel		CH 36 (5180MHz)	CH 48 (5240MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	17.07	17.24	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	41.92	41.67	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	41.99	41.70	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	50.64	51.04	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	49.97	50.51	40	Pass
Test Condition \ Test Channel		**CH 52 (5260MHz)**	**CH 64 (5320MHz)**	**Min. Limit (dBc)**	**Result**
V_{normal}	Mean Power of Carrier (dBm)	17.77	17.57	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	41.68	41.77	25	Pass
	Mean Power -20MHz Distance of Carrier (dBc)	41.69	41.88	25	Pass
	Mean Power +40MHz Distance of Carrier (dBc)	51.42	50.80	40	Pass
	Mean Power -40MHz Distance of Carrier (dBc)	51.01	51.14	40	Pass

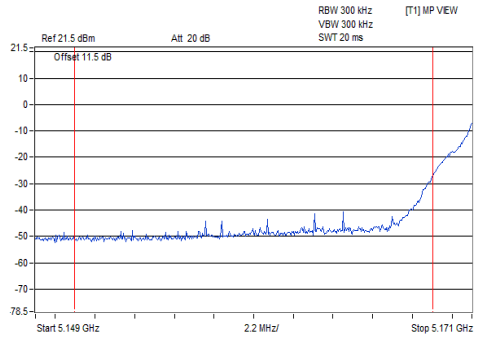
Vnormal



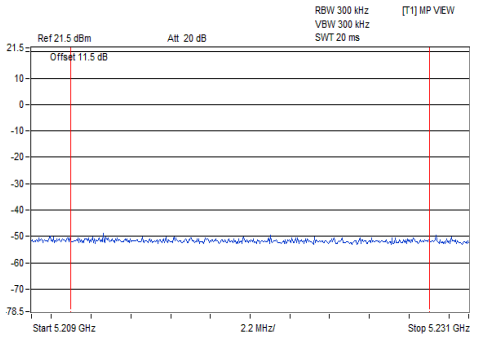
TX Channel Bandwidth 18 MHz Power 17.07 dBm



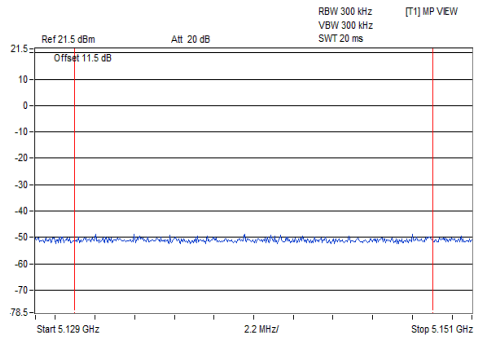
TX Channel Bandwidth 18 MHz Power -24.85 dBm



TX Channel Bandwidth 18 MHz Power -24.92 dBm



TX Channel Bandwidth 18 MHz Power -33.57 dBm



TX Channel Bandwidth 18 MHz Power -32.9 dBm

CH 36 (5180MHz)