EMC TEST REPORT	
TEST REPORT NUMBER	DBN 1614TEL688-F
TEST REPORT DATE	14-Jun-2016
TEST REPORT VERSION	1.0
MANUFACTURER	Cambium Networks
PRODUCT NAME	ePMP2000
PRODUCT MODEL	C050900P031A
CONDITION OF EUT WHEN RECEIVED	Good and in proper working condition
ISSUED TO	Cambium Networks, 3800 Golf Road, Suite 360, Rolling Meadows, IL, USA 60008
ISSUED BY	**TARANG Lab** Wipro Technologies, SJP2, Survey#70,77,78/8A, Dodda Kanelli, Sarjapur road, Bangalore. Karnataka. India - 560 035 Tel: +91-80-30292929 Fax: +91-80-30298200 Email: tarang.planet@wipro.com Web: www.wipro.com

AMENDMENT HISTORY

Amendment Number	Amendment Date	Author of Amendment	Previous Report Version	Previous Report Date
Amendment Details				

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1 TEST REPORT SUMMARY

Applicant	Cambium Networks
Manufacturer	Cambium Networks
Product Name	ePMP2000
Product Model	C050900P031A
Product Serial Number	000456D1846A
Date of Test	8th Feb 2016 to 28th Apr 2016
Venue of Test	Tarang Lab

Applicable Standard	Description	Results
RSS GEN, Issue 4, Nov 2014, RSS 247 Issue 1 May 2015	Duty cycle and Transmission Duration	NA
	26 dB Bandwidth measurement	NA
	RSS 247 6.2.3 (1)-99% Occupied channel bandwidth	NA
	RSS 247 6.2.3 (1)-Maximum conducted output power	PASS
	RSS 247 6.2.3 (1)-Power spectral density	PASS
	RSS 247 6.2.3 (2)-Transmission unwanted emission (Conducted)	PASS
	RSS 247 6.2.3 (2)-Band edge emissions	PASS

ePMP2000 was tested by Tarang Lab as per the standards that are listed in the table above. Based on the observations during the test and interpretations by Tarang lab, results have been indicated. The test results produced in this report shall apply only to the above sample that has been tested under the specific conditions and modes of testing as described in the report. Other similar equipment may not necessarily reproduce same result due to production tolerances and measurement uncertainties. Any measurement uncertainties listed in this report are for information purpose only.

The results shall stand invalid, in case there are any modifications / additions / removals to the hardware or software or end use atmosphere to the product tested. This report shall not be modified or in any way revised unless it is expressly permitted and endorsed by Tarang lab, through a duly authorized representative. Particulars on Manufacturer / Supplier / Product configuration / performance criteria, given in this report, are based on the information given by the customer, along with test request. Tarang does not assume any responsibility for the correctness of such information for the above mentioned equipment under test.

Customer acknowledges that this is a test report and not a certificate to gain market access for the product. To gain market access, Customer needs appropriate clearance from the Government or authorized agency for the target market. For markets that allow self-declaration, customer needs to follow the procedure defined by the target market.

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2 GENERAL INFORMATION

2.1 ACCREDITATION DETAILS

Following are the accreditation and listing details for Tarang.

Accreditation / Listing body	Registration / Company / Certificate Number
NABL, India	Certificate No: T-1533, T-1534 http://www.nabl-india.org/
FCC (Federal Communications Commission)	Registration Number: 799247 http://www.fcc.gov/
IC (Industry Canada)	Company Number: 9023A-1 http://www.ic.gc.ca

2.2 MEASUREMENT UNCERTAINTY

NA

3 INSTRUMENTATION AND CALIBRATION

3.1 TEST AND MEASURING EQUIPMENT

The list of following measuring equipment used for this testing conforms to the applicable standards. Performance of all test and measuring equipment including any accessories are checked periodically to ensure accuracy.

3.2 EQUIPMENTS USED

Name of Equipment	Manufacturer	Model No	Serial No	Calibration Due
Spectrum Analyzer	Keysight Technologies	N9020A	MY54420183	05th Jul 2016
EMI Test Receiver	R&S	ESIB40	100306	04th Jul 2016 / 21st Jan 2017
Peak and Average Power Sensor	Keysight Technologies	U2021XA	MY55050001	05th Jul 2016
Peak and Average Power Sensor	Keysight Technologies	U2021XA	MY55050002	05th Jul 2016

Table 1: List of equipment used for Conducted RF Test

4 PRODUCT INFORMATION

4.1 DESCRIPTION OF THE PRODUCT

EUT is a point to point & point to multipoint fixed outdoor Transceiver with the following defined channels.

40 MHz channel for 17 dBi antenna	**10 MHz channel for 17 dBi antenna**
Low – 5495 MHz	Low – 5485 MHz
Mid - 5575 MHz	Mid – 5585 MHz
High - 5700 MHz	High – 5710 MHz

Product	ePMP2000
Model Number	C050900P031A
Serial Number	000456D1846A
Product Category / Type of Equipment	ITE
EUT Operating Voltage	120 V AC
EUT Operating frequency range	60 Hz
Max EUT Operating Current	< 1 A

Table 2: EUT details

Cable No.	**Cable Name**	**Cable Length**	**Power / Interconnection cable**	**Shielded / Unshielded**
Cable - 1	Power cable	0.8 meter	Power	Unshielded
Cable - 2	Ethernet Cable	1.5 meter	Interconnection	Unshielded
Cable - 3	Ethernet Cable	3.0 meter	Interconnection	Unshielded

Table 3: List of cables

4.2 SOFTWARE AND FIRMWARE DETAILS

Atheros Radio Test 2 (ART2-GUI) Version 2.3

5 TEST DETAILS

5.1 PRODUCT AND TEST SETUP

5.1.1 PRODUCT CONFIGURATION

The EUT was powered through AC power supply (120 V AC / 60 Hz). The EUT was connected to Ethernet switch by using RJ45 cable. Figure 1 shows the product configuration during the tests. POE module was used during the test to power ON the EUT.

The 5.1 GHz ePMP Integrated Radio was configured with test software and configured to have the following settings during the course of testing:

- 40 MHz modulation bandwidth for low, mid & high channels
  - Rate - HT40,
  - 54 Mbps OFDM, MCS15 / 270 Mbps
  - Tx Power is 10.5 dBm Tx99 for 17 dBi antenna configuration-Low channel
  - Tx Power is 12 dBm Tx99 for 17 dBi antenna configuration-Mid channel
  - Tx Power is 12 dBm Tx99 for 17 dBi antenna configuration-High channel

- 10 MHz modulation bandwidth for low, mid & high channels
  - Rate – Legacy,
  - 54 Mbps OFDM, MCS15 / 130 Mbps
  - Tx Power is 9 dBm Tx99 for 17 dBi antenna configuration-Low channel
  - Tx Power is 9 dBm Tx99 for 17 dBi antenna configuration-Mid channel
  - Tx Power is 9 dBm Tx99 for 17 dBi antenna configuration-High channel

- Additional measurements as requested by the customer at the band edges of the 5.4 GHz band
  - Low Channel (5490 MHz) Tx Power is 13 dBm for 40 MHz modulation bandwidth
  - High Channel (5705 MHz) Tx Power is 14.5 dBm for 40 MHz modulation bandwidth
  - Low Channel (5475 MHz) Tx Power is 8 dBm for 10 MHz modulation bandwidth.
  - High Channel (5720 MHz) Tx Power is 8.5 dBm for 10 MHz modulation bandwidth.

The unit was continuously monitored for transmission using an auxiliary antenna during the radiated tests.

5.1.2 TEST SETUP DETAILS

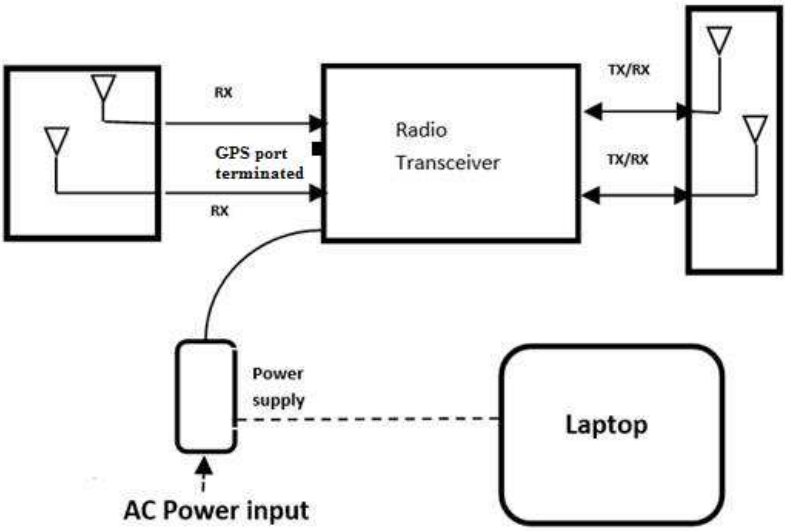

Figure 1: Block diagram of the EUT test setup

5.1.3 ACCESSORIES

Name of the Equipment	Manufacturer	Model Number	Serial Number
17 dBi Antenna Beam steer- Rx	Cambium Networks	C050900D020A	NA
17 dBi Antenna sector- Tx	Cambium Networks	C050900D021A	NA
Power Supply	Cambium Networks	NET P30 56	031-326-6719
Switching Power Supply Gigabit Compatible	Cambium Networks	NET-P30-56	N000000L034A

5.2 APPLICABLE TESTS

Applicable Standard	Description	Test level / Test Voltage	Applicability
RSS GEN Issue – May 2015 RSS GEN – Issue 4 Nov 2014	Duty Cycle and transmission duration	NA	Antenna port
	26 dB Emission Bandwidth	NA	Antenna port
	99% Occupied Channel Bandwidth	NA	Antenna port
	Maximum Conducted Output Power	≤ 250 mW	Antenna port
	Power Spectral Density	≤ 11 dBm in 1 MHz bandwidth	Antenna port
	Transmitter Unwanted emission	9 kHz - 40 GHz	Antenna port
	Band edge measurements	≤ -27 dBm/MHz	Antenna port

5.3 TEST RESULT

5.3.1 DUTY CYCLE (X) AND TRANSMISSION DURATION (T)

5.3.1.1 TEST SPECIFICATION

Test Standard	RSS 247 Issue 1 May 2015
Test Procedure	789033 D2 General U-NII Test Procedures New Rule v01r01
Resolution Bandwidth	8 MHz
Video Bandwidth	8 MHz
Sweep Time	Auto
Attenuation	Auto
Test Mode	Conducted
Detector	RMS
Input Voltage	120 V AC
Input Frequency	60 Hz
Temperature	24.0 °C
Humidity	55.0 %
Tested By	Dikshit Raviteja / Suresh.G.N
Test Date	08th Feb 2016

5.3.1.2 LIMITS

NA

5.3.1.3 TEST SETUP

Figure 2: Typical test setup for Conducted RF Test

5.3.1.4 TEST PROCEDURE

The Conducted test was performed using the Spectrum analyzer. Measurements were done as per section II B of **"789033 D2 General U-NII Test Procedures New Rule V01r01".** The RF output of the EUT was connected to the input port of Spectrum analyzer using an attenuator. The graph and data captured from spectrum analyzer and recorded.

5.3.1.5 MEASUREMENT GRAPHS / DATA

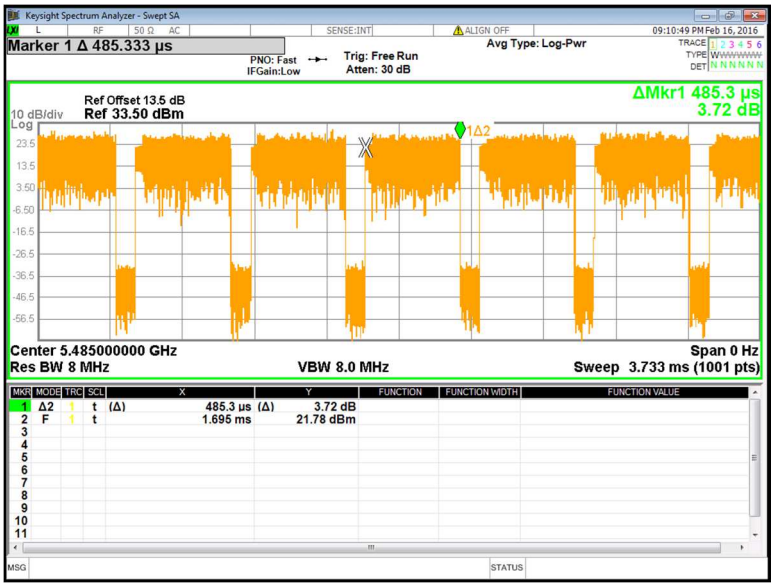

Figure 3: Measured ON time

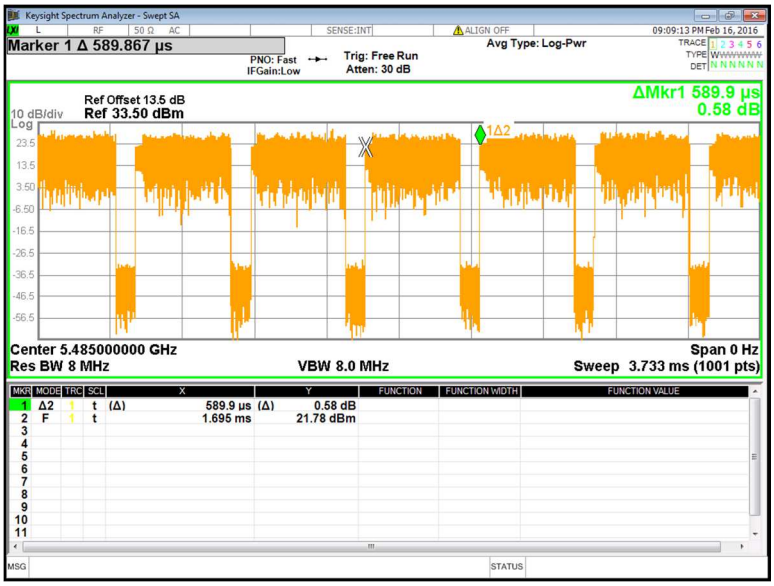

Figure 4: Measured Transmission Period (T)

5.3.1.6 RESULT

The Duty cycle and Transmission duration data were recorded.

Mode	ON time (µsec)	T (µsec)	Duty Cycle X (Linear)	Duty Cycle (%)	50/T Minimum RBW and VBW (kHz)
Tx ON	485.3	589.9	0.822	82.2%	847.6

*Note: Duty cycle = (ON time / Period)*100*

5.3.2 26 dB EMISSION BANDWIDTH

5.3.2.1 TEST SPECIFICATION

Test Standard	RSS 247 Issue 1 May 2015
Test Procedure	789033 D2 General U-NII Test Procedures New Rule V01r01
Resolution Bandwidth	100 kHz, 300 kHz
Video Bandwidth	300 kHz, 1 MHz
Sweep Time	Auto
Attenuation	Auto
Test Mode	Conducted
Detector	Peak
Input Voltage	120 V AC
Input Frequency	60 Hz
Temperature	24.0 °C
Humidity	55.0 %
Tested By	Dikshit Raviteja / Suresh.G.N
Test Date	08th Feb 2016

5.3.2.2 LIMITS

Standard	Reference section	Frequency range	Limit
RSS 247 Issue 1 May 2015	NA	5470 MHz to 5725 MHz	NA

5.3.2.3 TEST SETUP

Figure 5: Typical test setup for Conducted RF Test

5.3.2.4 TEST PROCEDURE

The Conducted test was performed using the Spectrum analyzer. Measurements were done as per the **"789033 D2 General U-NII Test Procedures New Rule V01r01".** The RF output of the EUT was connected to the input port of Spectrum analyzer using an attenuator. The graph and data captured from spectrum analyzer and recorded.

5.3.2.5 MEASUREMENT GRAPHS / DATA

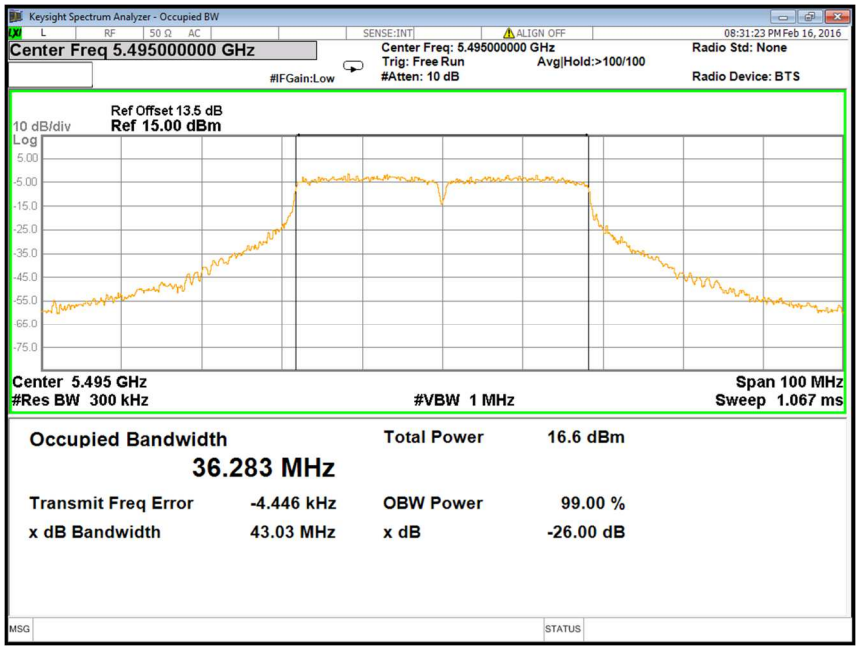

Figure 6: 40 MHz, 17 dBi, Low Channel: 26 dB bandwidth measured at Ch.0 – 5495 MHz

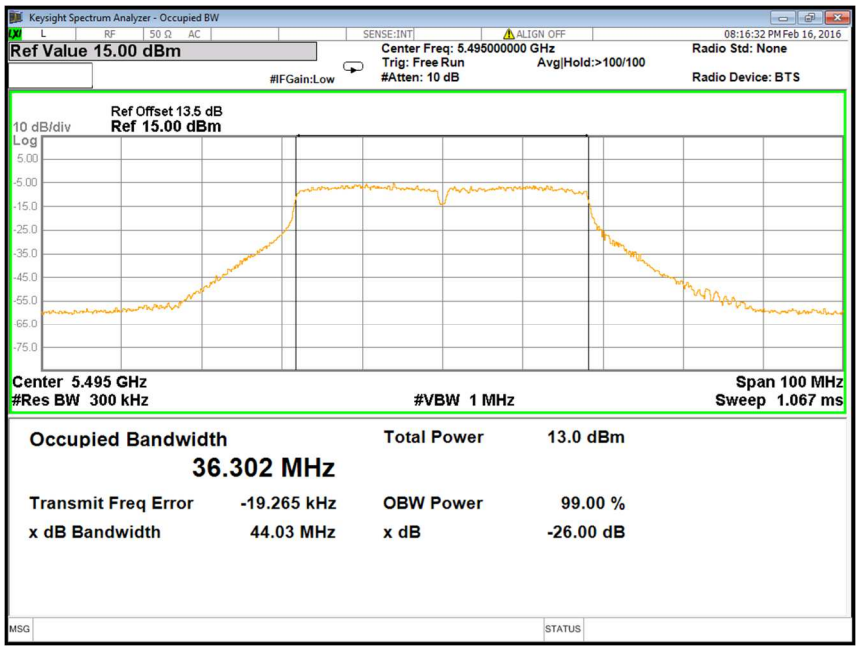

Figure 7: 40 MHz, 17 dBi, Low Channel: 26 dB bandwidth measured at Ch.1– 5495 MHz

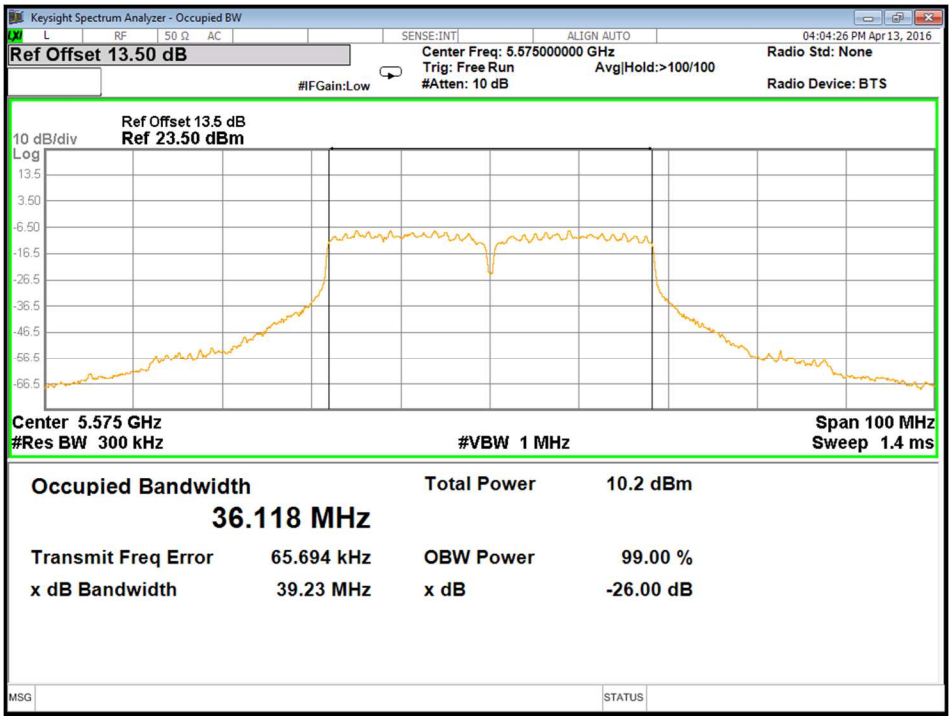

Figure 8: 40 MHz, 17 dBi, Mid Channel: 26 dB bandwidth measured at Ch.0 - 5575 MHz

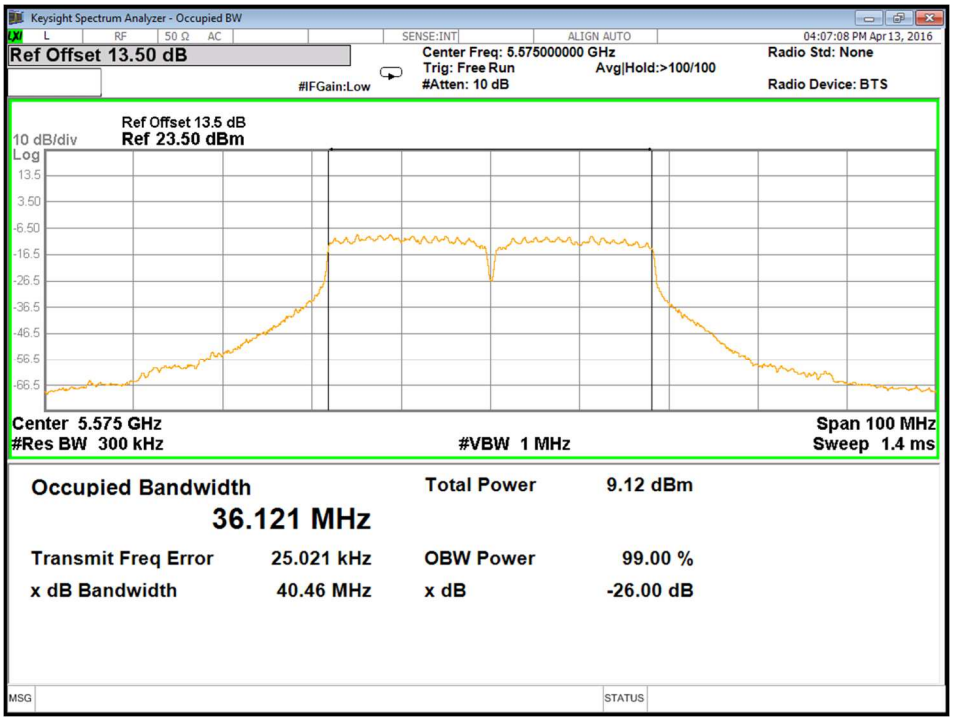

Figure 9: 40 MHz, 17 dBi, Mid Channel: 26 dB bandwidth measured at Ch.1 - 5575 MHz

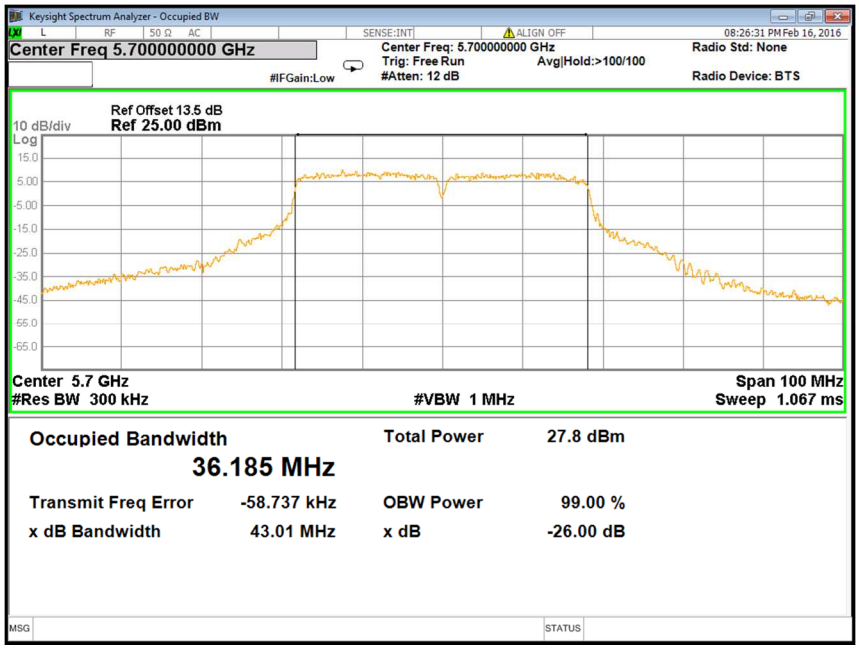

Figure 10: 40 MHz, 17 dBi, High Channel: 26 dB bandwidth measured at Ch.0 - 5700 MHz

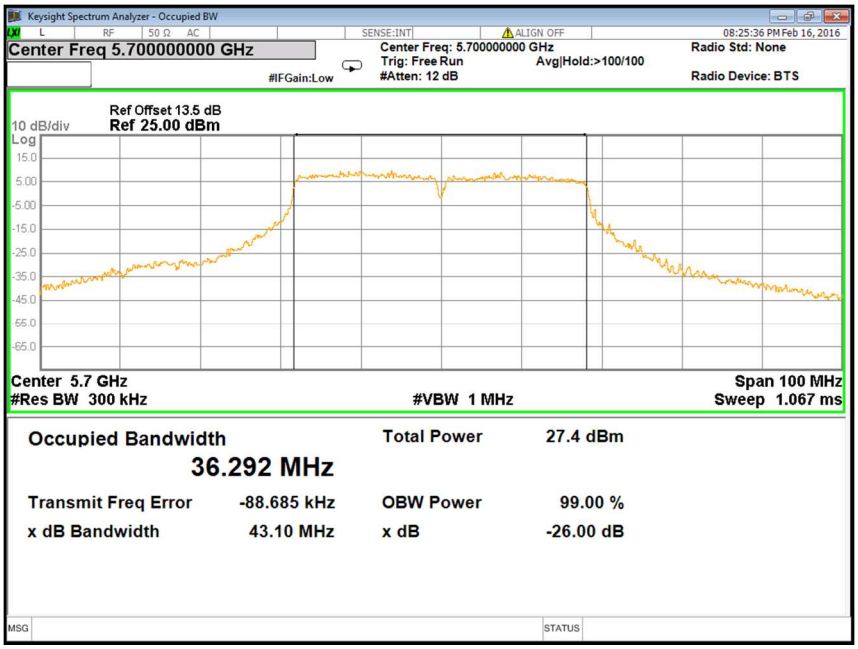

Figure 11: 40 MHz, 17 dBi, High Channel: 26 dB bandwidth: measured at Ch.1 - 5700 MHz

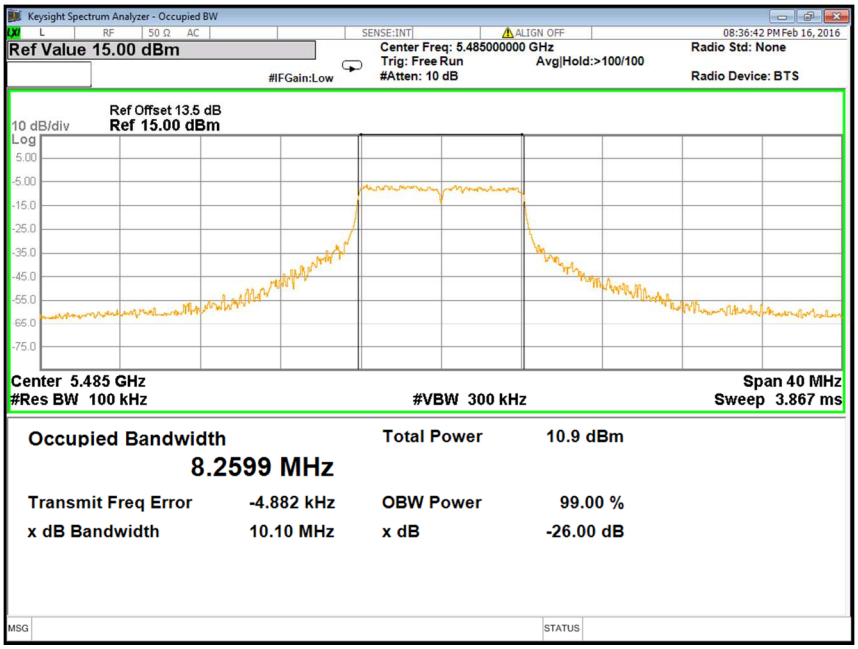

Figure 12: 10 MHz, 17 dBi, Low Channel: 26 dB bandwidth measured at Ch.0 - 5485 MHz

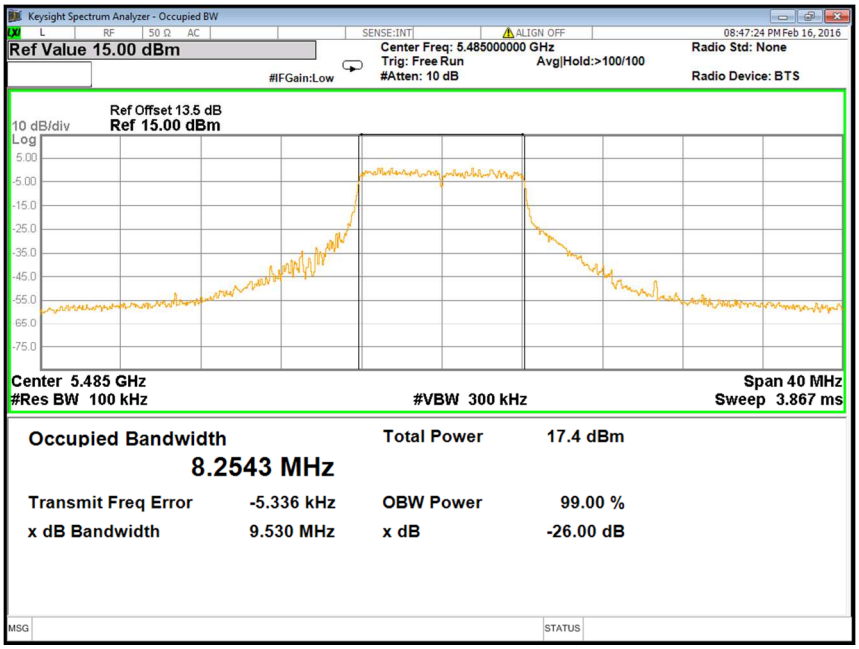

Figure 13: 10 MHz, 17 dBi, Low Channel: 26 dB bandwidth measured at Ch.1 - 5485 MHz

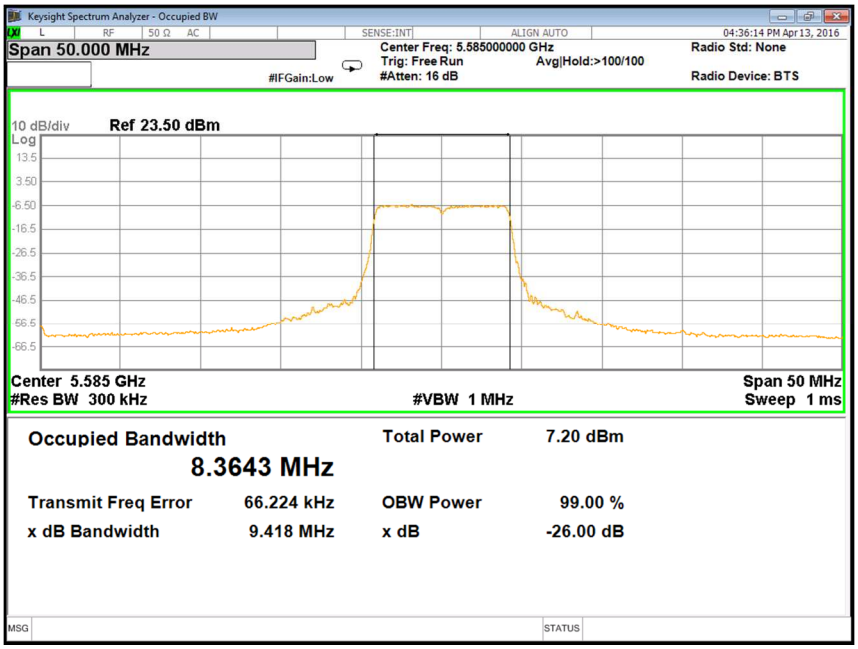

Figure 14: 10 MHz, 17 dBi, Mid Channel: 26 dB bandwidth measured at Ch.0 - 5585 MHz

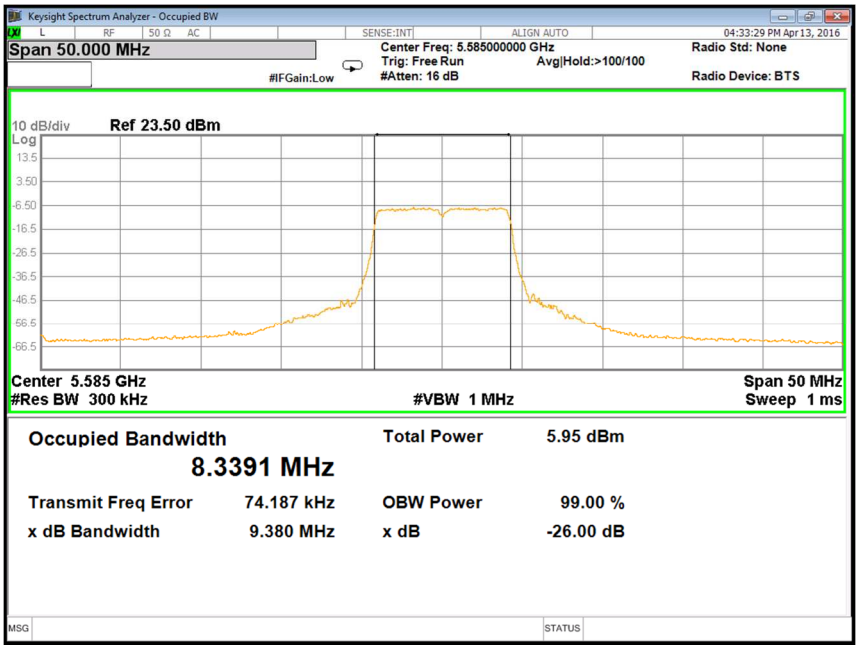

Figure 15: 10 MHz, 17 dBi, Mid Channel: 26 dB bandwidth measured at Ch.1 - 5585 MHz

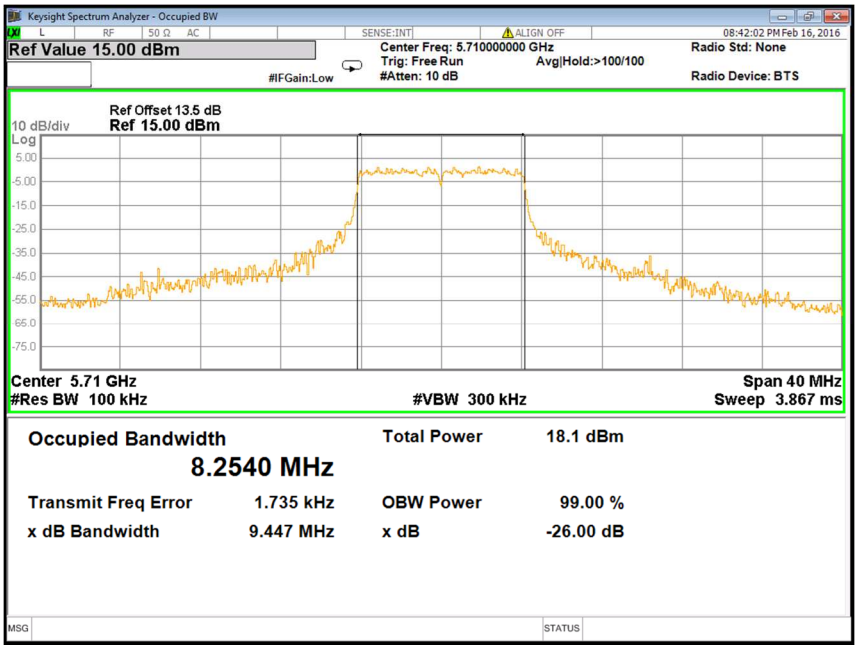

Figure 16: 10 MHz, 17 dBi, High channel 26 dB bandwidth measured at Ch.0 - 5710 MHz

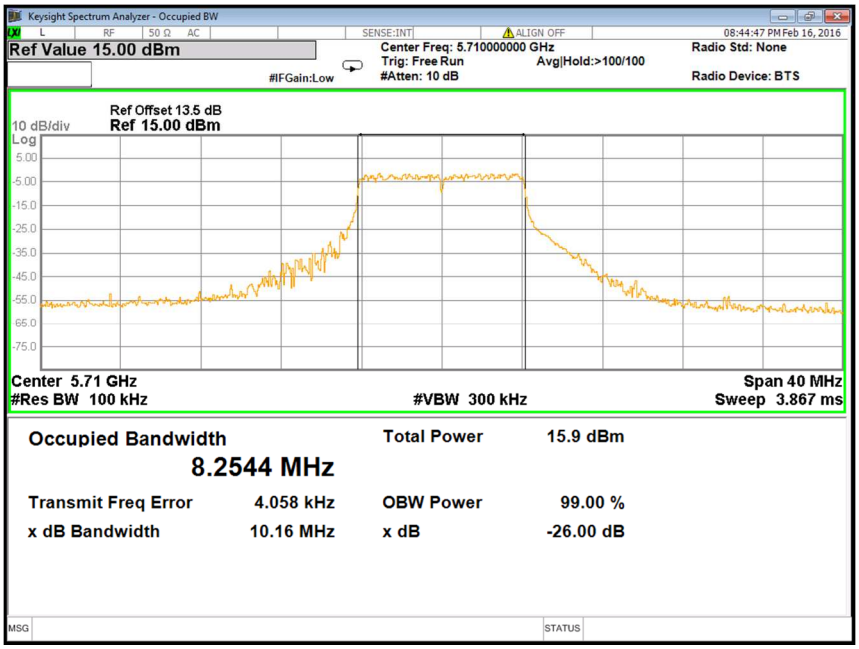

Figure 17: 10 MHz, 17 dBi, High channel 26 dB bandwidth measured at Ch.1 - 5710 MHz

5.3.2.6 RESULT

The 26 dB Emission bandwidth is measured for all channels in both 40 MHz & 10 MHz modulation bandwidth. Refer below table for consolidated data.

Configuration	Modulation Bandwidth (MHz)	Antenna path	Channel Frequency (MHz)	Recorded value (MHz)
17 dBi	40	Ch. 0	5495	43.03
	40	Ch. 0	5575	39.23
	40	Ch. 0	5700	43.01
	40	Ch. 1	5495	44.03
	40	Ch. 1	5575	40.46
	40	Ch. 1	5700	43.10
	10	Ch. 0	5485	10.10
	10	Ch. 0	5585	9.418
	10	Ch. 0	5710	9.447
	10	Ch. 1	5485	9.530
	10	Ch. 1	5585	9.380
	10	Ch. 1	5710	10.16

Table 4: Result for 26 dB Bandwidth in both 40 MHz and 10 MHz modulation bandwidth

5.3.3 99 PERCENT OCCUPIED CHANNEL BANDWIDTH

5.3.3.1 TEST SPECIFICATION

Test Standard	RSS 247 Issue 1 May 2015
Test Procedure	789033 D2 General U-NII Test Procedures New Rule V01r01
Resolution Bandwidth	100 kHz, 300 kHz
Video Bandwidth	300 kHz, 1 MHz
Sweep Time	Auto
Attenuation	Auto
Test Mode	Conducted
Detector	Peak
Input Voltage	120 V AC
Input Frequency	60 Hz
Temperature	24.0 °C
Humidity	55.0 %
Tested By	Dikshit Raviteja
Test Date	08th Feb 2016

5.3.3.2 LIMITS

Standard	Reference section	Frequency range	Limit
RSS 247 Issue 1 May 2015	6.2.3(1)	5470 MHz to 5725 MHz	NA

5.3.3.3 TEST SETUP

Figure 18: Typical test setup for Conducted RF Test

5.3.3.4 TEST PROCEDURE

The Conducted test was performed using the Spectrum analyzer. Measurements were done as per the **"789033 D2 General U-NII Test Procedures New Rule V01r01".** The RF output of the EUT was connected to the input port of Spectrum analyzer using an attenuator. The graph and data captured from spectrum analyzer and recorded.

5.3.3.5 MEASUREMENT GRAPHS / DATA

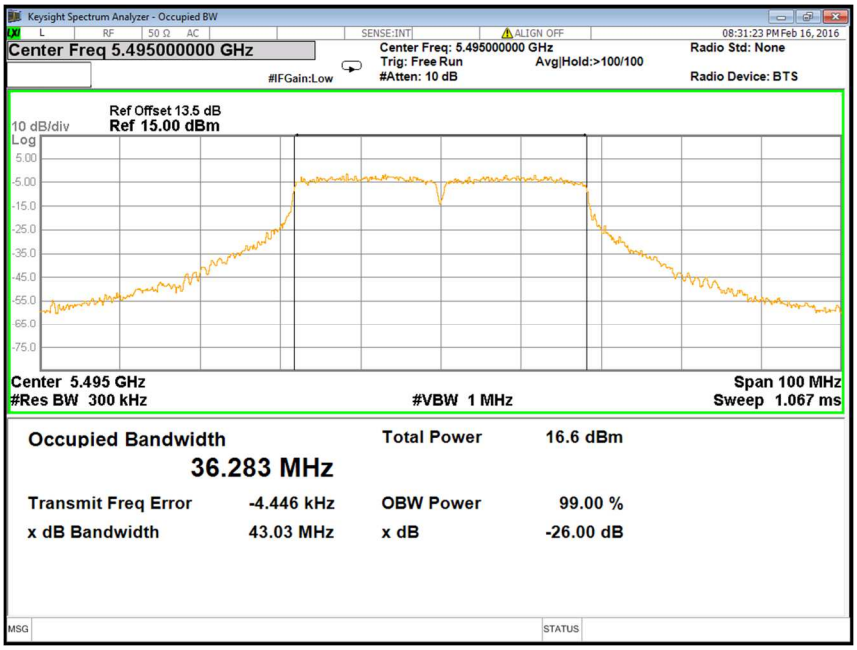

Figure 19: 40 MHz, 17 dBi, Low Channel: 99% OBW measured at Ch.0 – 5495 MHz

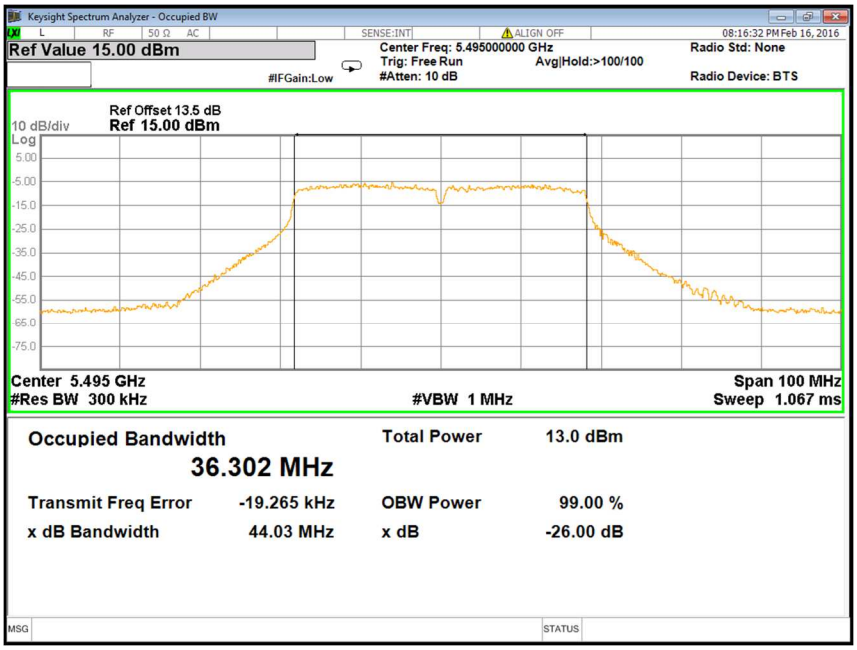

Figure 20: 40 MHz, 17 dBi, Low Channel: 99% OBW measured at Ch.1 – 5495 MHz

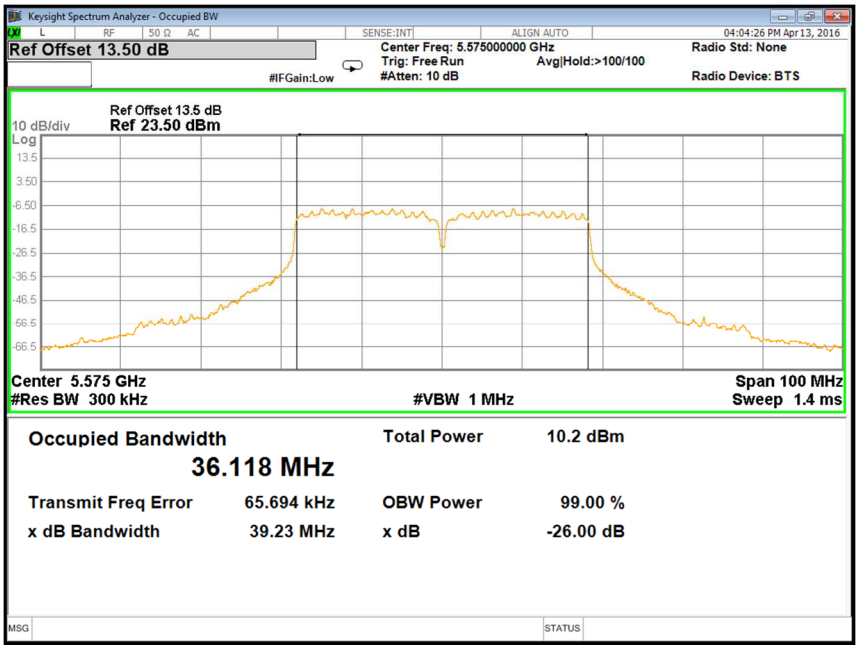

Figure 21: 40 MHz, 17 dBi, Mid Channel: 99% OBW measured at Ch.0 – 5575 MHz

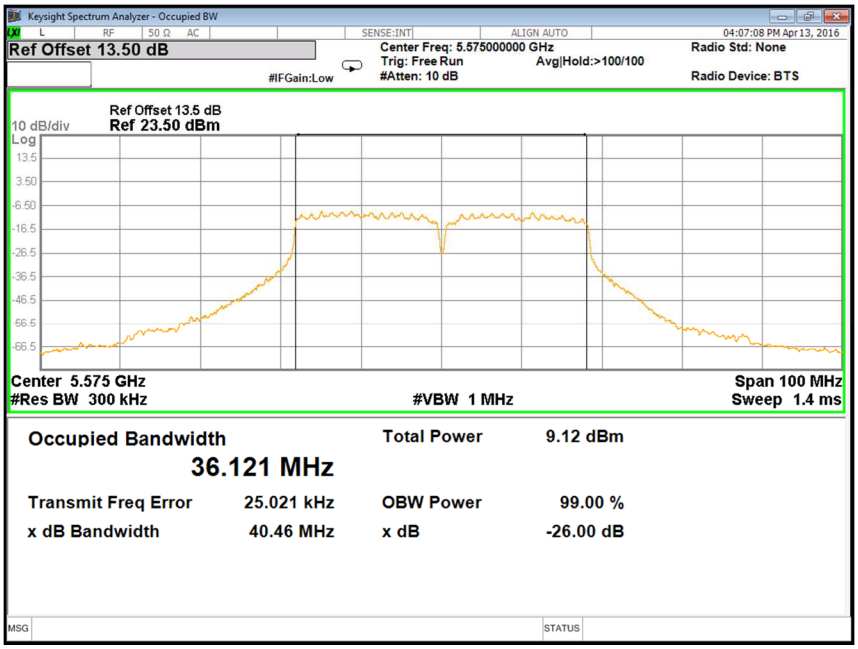

Figure 22: 40 MHz, 17 dBi, Mid Channel: 99% OBW measured at Ch.1 – 5575 MHz

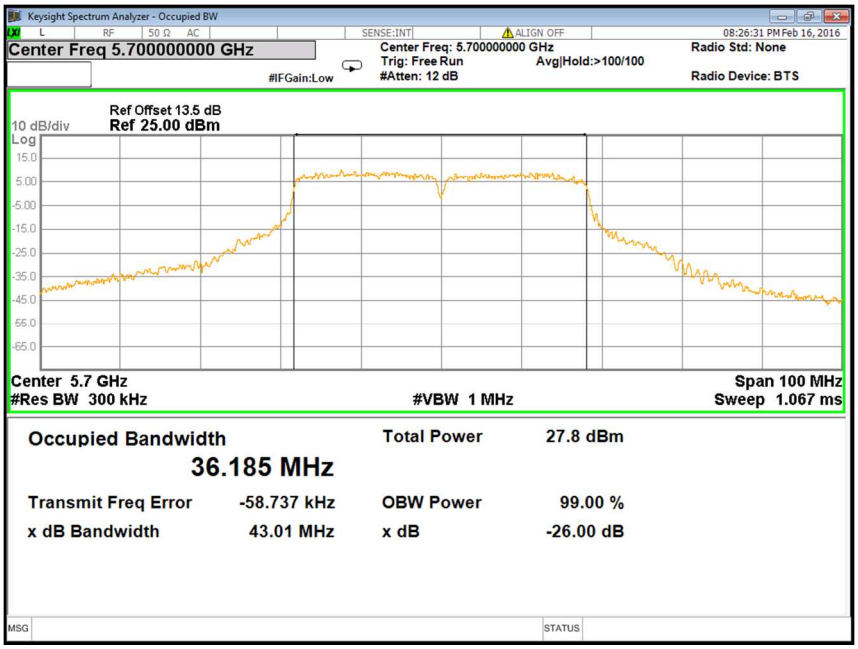

Figure 23: 40 MHz, 17 dBi, High Channel: 99% OBW measured at Ch.0 – 5700 MHz

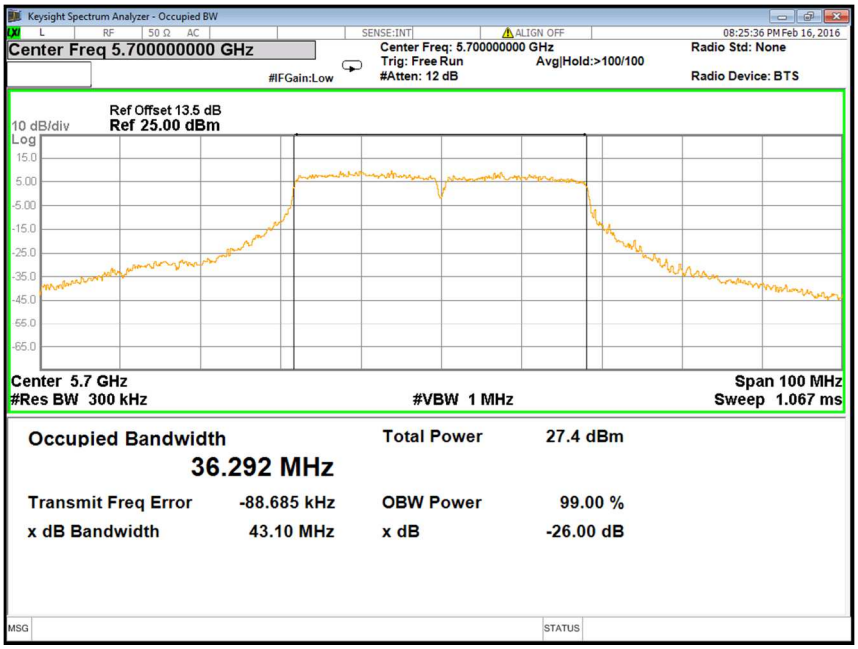

Figure 24: 40 MHz, 17 dBi, High Channel: 99% OBW measured at Ch.1 – 5700 MHz

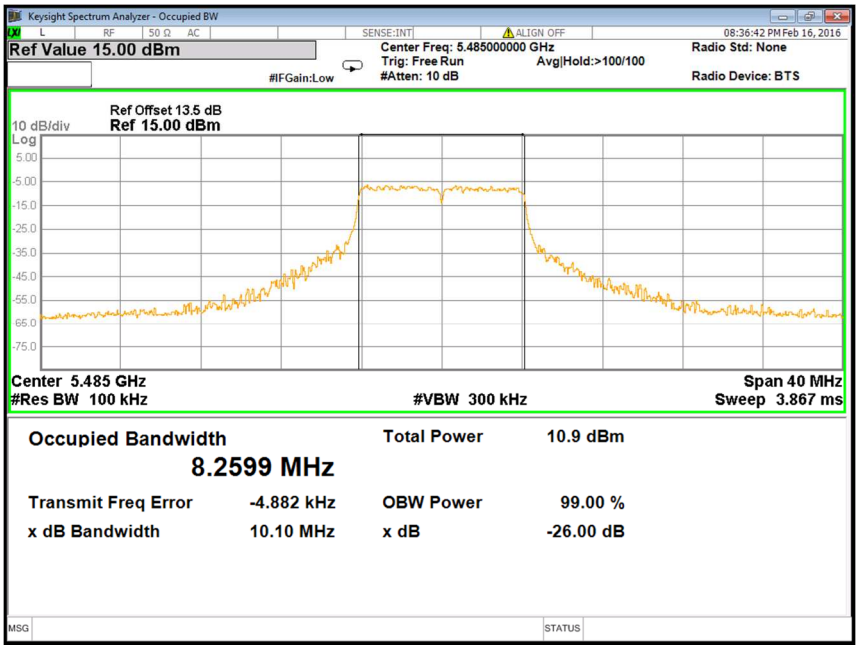

Figure 25: 10 MHz, 17 dBi, Low Channel: 99% OBW measured at Ch.0 – 5485 MHz

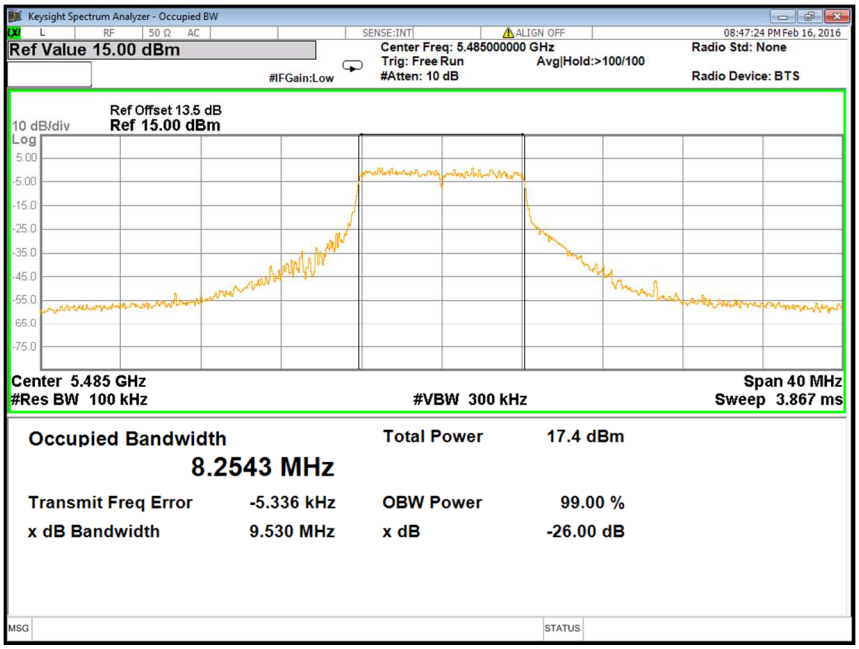

Figure 26: 10 MHz, 17 dBi, Low Channel: 99% OBW measured at Ch.1 – 5485 MHz

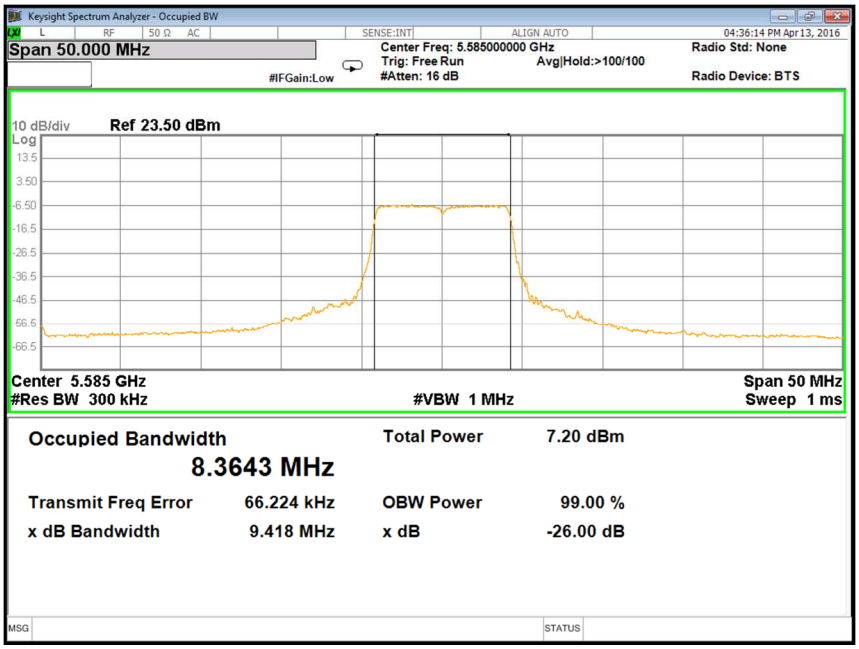

Figure 27: 10 MHz, 17 dBi, Mid Channel: 99% OBW measured at Ch.0 – 5585 MHz

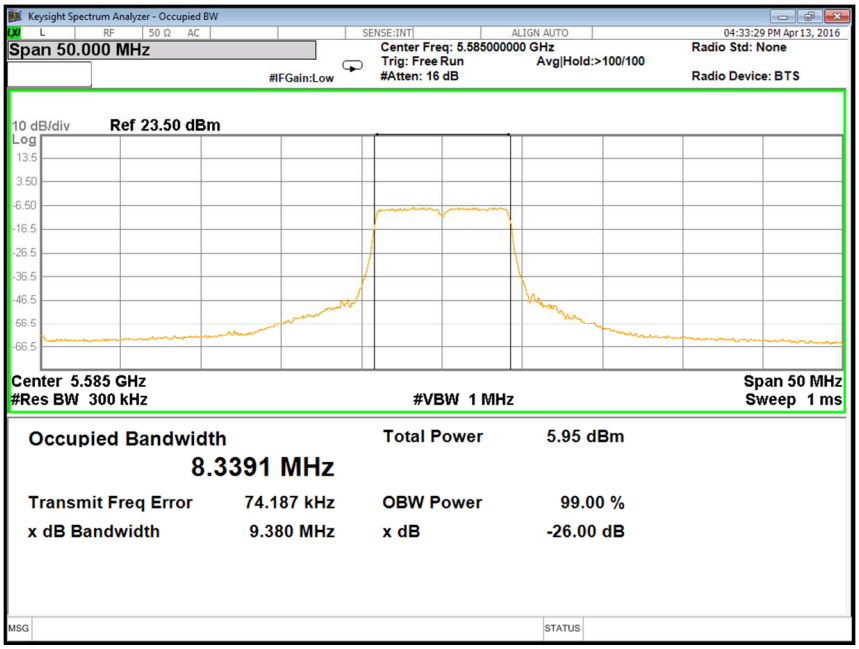

Figure 28: 10 MHz, 17 dBi, Mid Channel: 99% OBW measured at Ch.1 – 5585 MHz

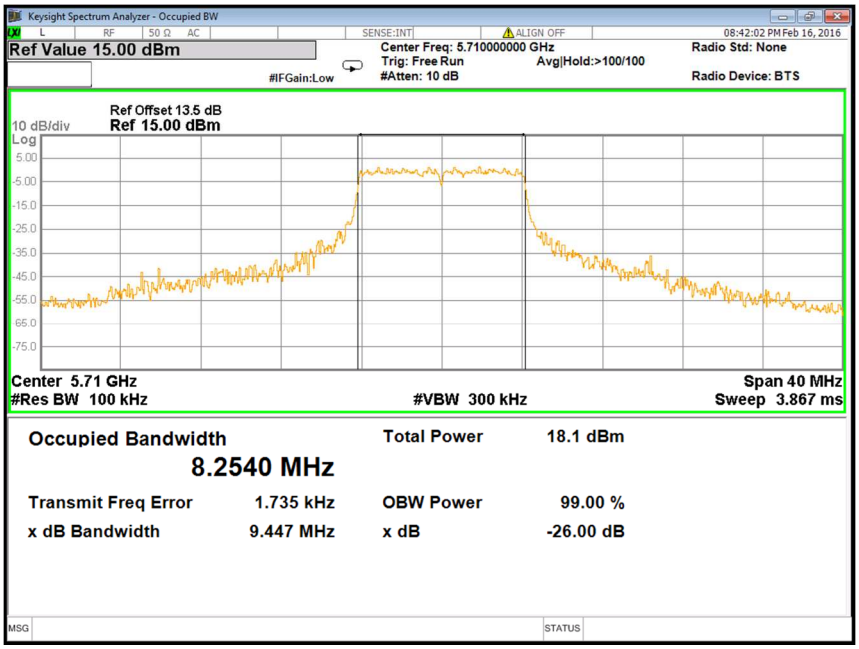

Figure 29: 10 MHz, 17 dBi, High Channel: 99% OBW measured at Ch.0 – 5710 MHz

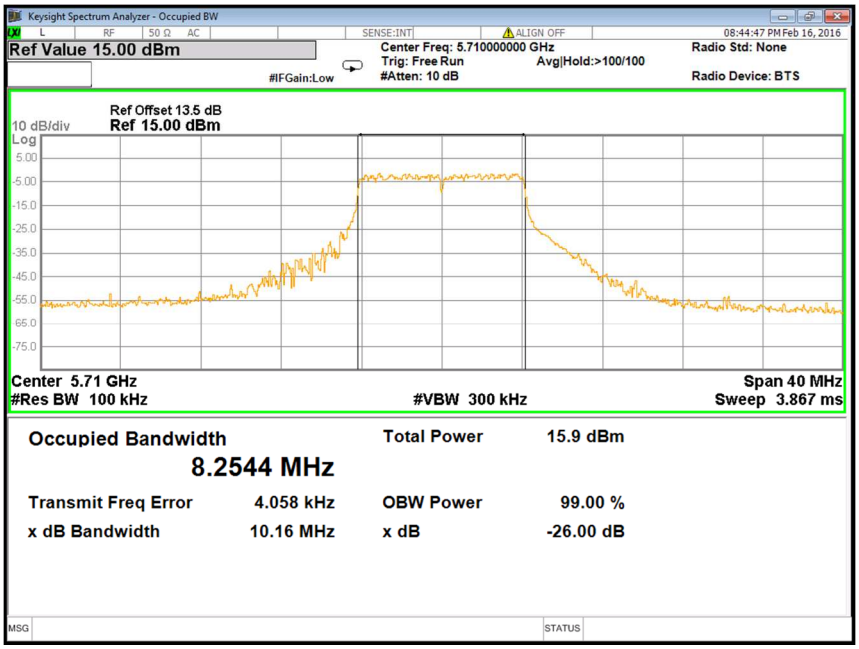

Figure 30: 10 MHz, 17 dBi, High Channel: 99% OBW measured at Ch.1 – 5710 MHz

5.3.3.6 RESULT

The 99% Occupied Channel Bandwidth for all channels in both 40 MHz & 10 MHz Modulation Bandwidths has been measured and tabulated in below table.

Configuration	Modulation Bandwidth (MHz)	Antenna path	Channel Frequency (MHz)	Recorded value (MHz)
17 dBi Antenna Condition	40	Ch. 0	5495	36.293
	40	Ch. 0	5575	36.118
	40	Ch. 0	5700	36.185
	40	Ch. 1	5495	36.302
	40	Ch. 1	5575	36.121
	40	Ch. 1	5700	36.292
	10	Ch. 0	5485	8.2599
	10	Ch. 0	5585	8.3643
	10	Ch. 0	5710	8.254
	10	Ch. 1	5485	8.2543
	10	Ch. 1	5585	8.3391
	10	Ch. 1	5710	8.2544

Table 5 Result for 99% Occupied bandwidth in both 40 MHz and 10 MHz modulation bandwidth

5.3.4 MAXIMUM CONDUCTED OUTPUT POWER

5.3.4.1 TEST SPECIFICATION

Test Standard	RSS 247 Issue 1 May 2015
Test Procedure	789033 D2 General U-NII Test Procedures New Rule V01r01
Test Mode	Conducted
Detector	Average
Input Voltage	120 V AC
Input Frequency	60 Hz
Temperature	24.0 °C
Humidity	55.0 %
Tested By	Dikshit Raviteja / Suresh GN
Test Date	08th Feb 2016

5.3.4.2 LIMITS

Standard	Reference section	Frequency range	Limit
RSS 247 Issue 1 May 2015	6.2.3(1)	5470 MHz to 5725 MHz	max conducted Tx power ≤ 23.97 dBm (250 mW) max Limit (for 17 dBi antenna) : ≤ 12.97 dBm

5.3.4.3 TEST SETUP

Figure 31: Typical test setup for Conducted RF Test

5.3.4.4 TEST PROCEDURE

The Conducted test was performed using the power meter. Measurements were done as per Section II E 3.b (Method PM-G) of KDB **"789033 DO2 General UNII Test Procedures New Rules v01r01".** The RF output of the EUT was connected to the input port of Power meter using an attenuator. The graph and data captured from power meter and compared with the limits specified in the standard.

5.3.4.5 MEASUREMENT GRAPHS / DATA

Figure 32: 40 MHz, 17 dBi, Low Channel: Maximum conducted output power measured at Ch.0 & Ch.1 – 5495 MHz

Figure 33: 40 MHz, 17 dBi, Mid Channel: Maximum conducted output power measured at Ch.0 & Ch.1 – 5575 MHz

Figure 34: 40 MHz, 17 dBi, High Channel: Maximum conducted output power measured at Ch.0 & Ch.1 – 5700 MHz

Figure 35: 40 MHz, 17 dBi, Low Channel: Maximum conducted output power measured at Ch.0 & Ch.1 – 5490 MHz

Figure 36: 40 MHz, 17 dBi, High Channel: Maximum conducted output power measured at Ch.0 & Ch.1 – 5705 MHz

Figure 37: 10 MHz, 17 dBi, Low Channel: Maximum conducted output power measured at Ch.0 & Ch.1 – 5485 MHz

Figure 38: 10 MHz, 17 dBi, Mid Channel: Maximum conducted output power measured at Ch.0 & Ch.1 – 5585 MHz

Figure 39: 10 MHz, 17 dBi, High Channel: Maximum conducted output power measured at Ch.0 & Ch.1 – 5710 MHz

Figure 40: 10 MHz, 17 dBi, Low Channel: Maximum conducted output power measured at Ch.0 & Ch.1 – 5475 MHz

Figure 41: 10 MHz, 17 dBi, High Channel: Maximum conducted output power measured at Ch.0 & Ch.1 – 5720 MHz

5.3.4.6 RESULT

Maximum Conducted Output Power for all channels in both 40 MHz & 5 MHz modulation bandwidth is within the specified limits. Refer below table for consolidated data.

Modulation Bandwidth (MHz)	Antenna path	Channel Frequency (MHz)	Recorded value (dBm)
40	Ch. 0	5495	8.13
40	Ch. 1	5495	8.93
40	Ch. 0	5575	8.99
40	Ch. 1	5575	7.93
40	Ch. 0	5700	9.17
40	Ch. 1	5700	9.60
40	Ch. 0	5490	9.55
40	Ch. 1	5490	7.75
40	Ch. 0	5705	9.64
40	Ch. 1	5705	8.4
10	Ch. 0	5485	9.52
10	Ch. 1	5485	9.54
10	Ch. 0	5585	6.11
10	Ch. 1	5585	4.7
10	Ch. 0	5710	8.91
10	Ch. 1	5710	7.91
10	Ch. 0	5475	4.64
10	Ch. 1	5475	6.76
10	Ch. 0	5720	5.27
10	Ch. 1	5720	5.20

Table 6: Max RF out power for 17 dBi configuration

Modulation Bandwidth (MHz)	Antenna path	Channel Frequency (MHz)	Consolidated Power (dBm)	Limit (dBm)	Result
40	Ch. 0 & Ch. 1	5495	11.55	12.97	PASS
40	Ch. 0 & Ch. 1	5595	11.49	12.97	PASS
40	Ch. 0 & Ch. 1	5700	12.38	12.97	PASS
40	Ch. 0 & Ch. 1	5490	11.76	12.97	PASS
40	Ch. 0 & Ch. 1	5705	12.06	12.97	PASS
10	Ch. 0 & Ch. 1	5485	12.50	12.97	PASS
10	Ch. 0 & Ch. 1	5585	8.388	12.97	PASS
10	Ch. 0 & Ch. 1	5710	11.39	12.97	PASS
10	Ch. 0 & Ch. 1	5475	8.808	12.97	PASS
10	Ch. 0 & Ch. 1	5720	8.26	12.97	PASS

Table 7: Consolidated values across channels and final power for 17 dBi configuration

The recorded power in dBm was converted into Watt, and then added and convert the result back to dBm
*dBm to mW =log(mW)*10*
mW to dBm = 10^(dBm/10)

5.3.5 POWER SPECTRAL DENSITY

5.3.5.1 TEST SPECIFICATION

Test Standard	RSS 247 Issue 1 May 2015
Test Procedure	789033 D2 General U-NII Test Procedures New Rule V01r01
Frequency Range	5470 MHz to 5725 MHz
Resolution Bandwidth	1 MHz
Video Bandwidth	3 MHz
Sweep Time	1 ms
Attenuation	Auto
Test Mode	Conducted
Detector	RMS
Input Voltage	120 V AC
Input Frequency	60 Hz
Temperature	24.0 °C
Humidity	55.0 %
Tested By	Dikshit Raviteja
Test Date	08th Feb 2016

5.3.5.2 LIMITS

Standard	Reference section	Frequency range	Limit
RSS 247 Issue 1 May 2015	6.2.3(1)	5470 MHz to 5725 MHz	≤ 11 dBm in any 1MHz band Limit (for 17 dBi antenna configuration) : ≤ 0 dBm

5.3.5.3 TEST SETUP

Figure 42: Typical test setup for Conducted Test

5.3.5.4 TEST PROCEDURE

The Conducted test was performed using the Spectrum analyzer. Measurements were done as per Section II F (PSD) of KDB **'789033 D02 General UNII Test Procedures New Rules v01r01".** The RF output of the EUT was connected to the input port of Spectrum analyzer using an attenuator. The graph and data captured from spectrum analyzer and compared with the limits specified in the standard.

5.3.5.5 MEASUREMENT GRAPHS / DATA

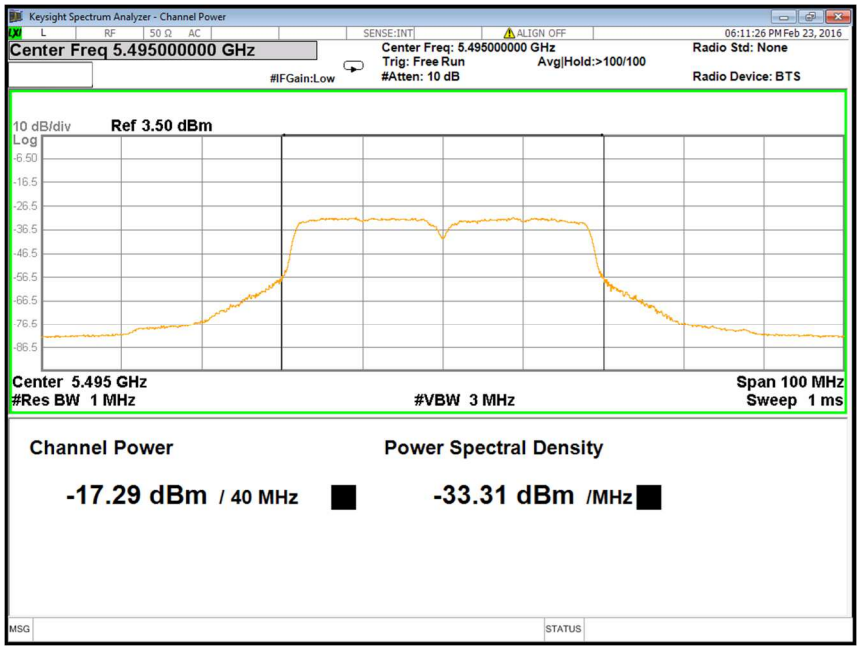

Figure 43: 40 MHz, 17 dBi, Low Channel: Power spectral density measured at Ch. 0 – 5495 MHz

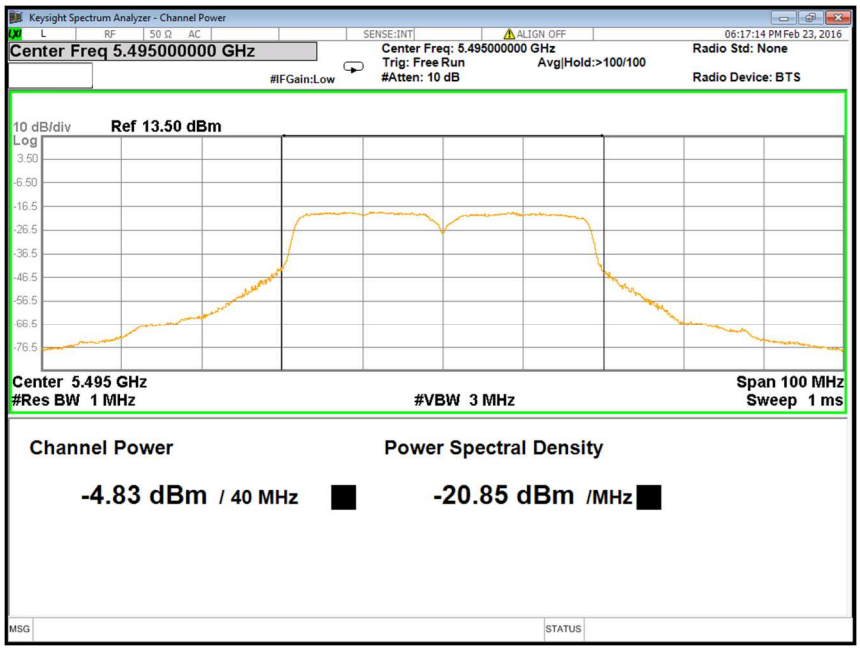

Figure 44: 40 MHz, 17 dBi, Low Channel: Power spectral density measured at Ch. 1 – 5495 MHz

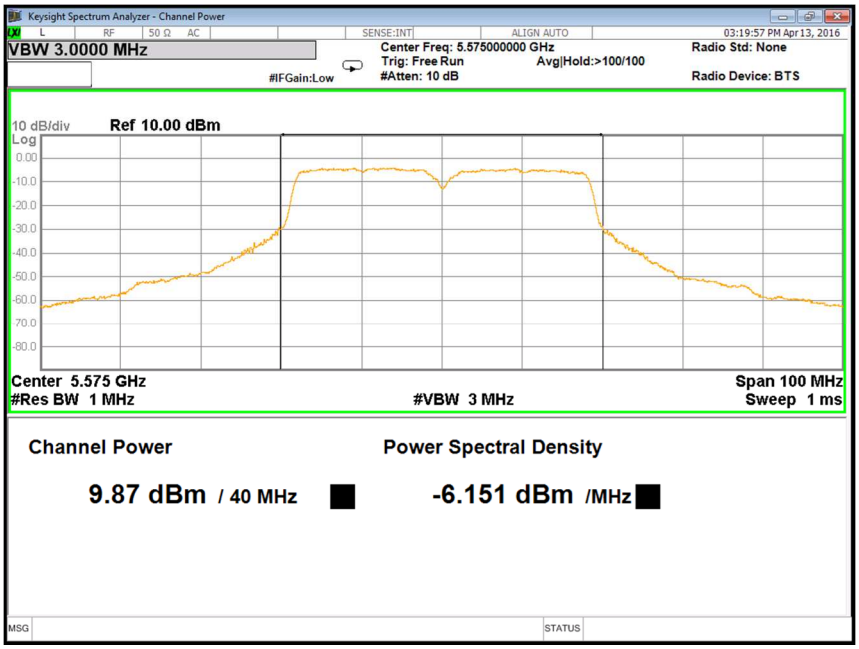

Figure 45: 40 MHz, 17 dBi, Mid Channel: Power spectral density measured at Ch. 0 – 5575 MHz

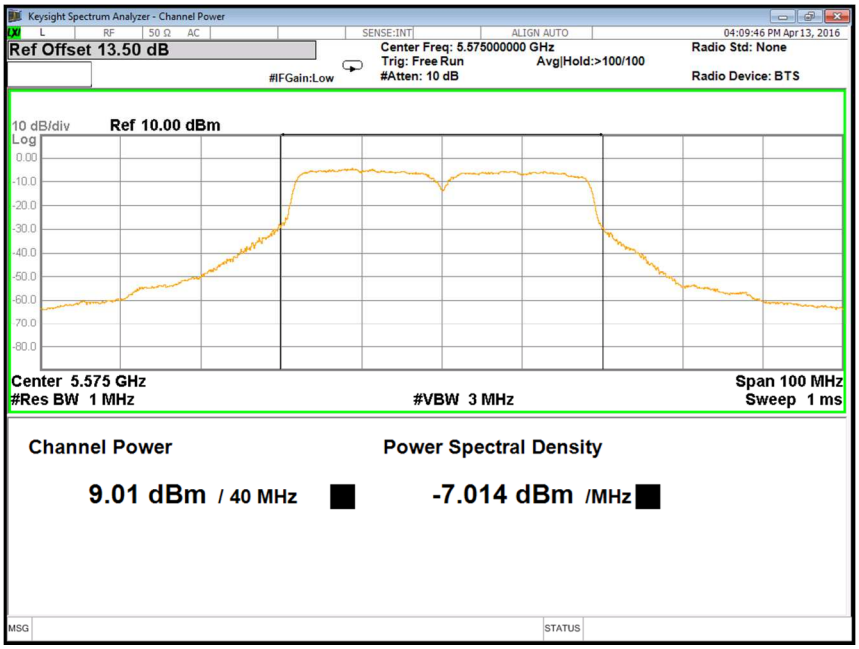

Figure 46: 40 MHz, 17 dBi, Mid Channel: Power spectral density measured at Ch. 1 – 5575 MHz

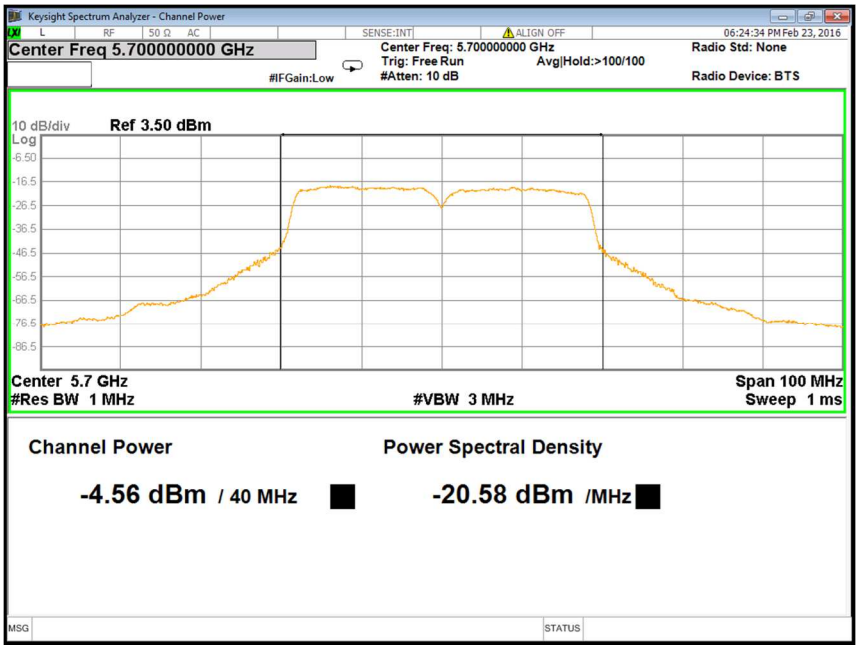

Figure 47: 40 MHz, 17 dBi, High Channel: Power spectral density measured at Ch. 0 – 5700 MHz

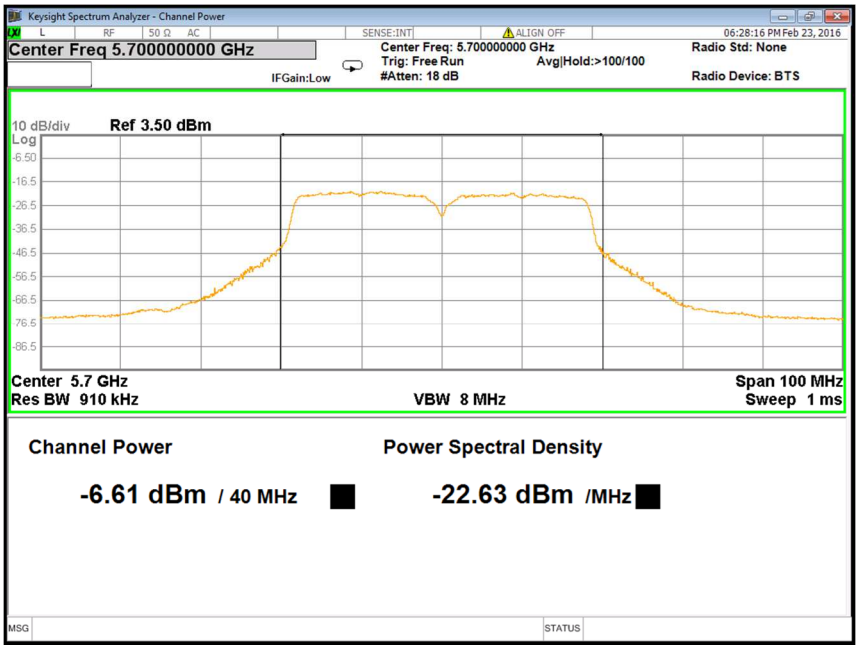

Figure 48: 40 MHz, 17 dBi, High Channel: Power spectral density measured at Ch. 1 – 5700 MHz

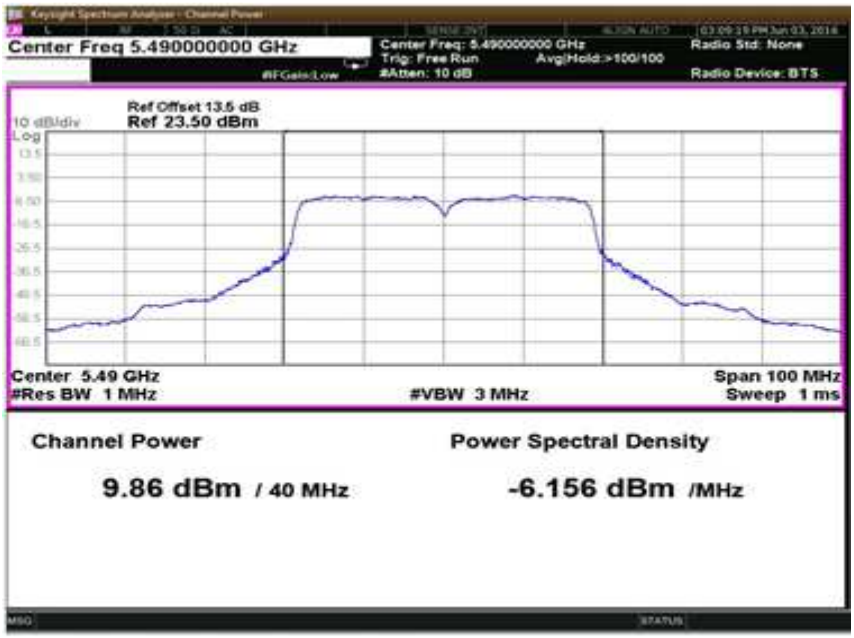

Figure 49: 40 MHz, 17 dBi, Low Channel: Power spectral density measured at Ch.0 – 5490 MHz

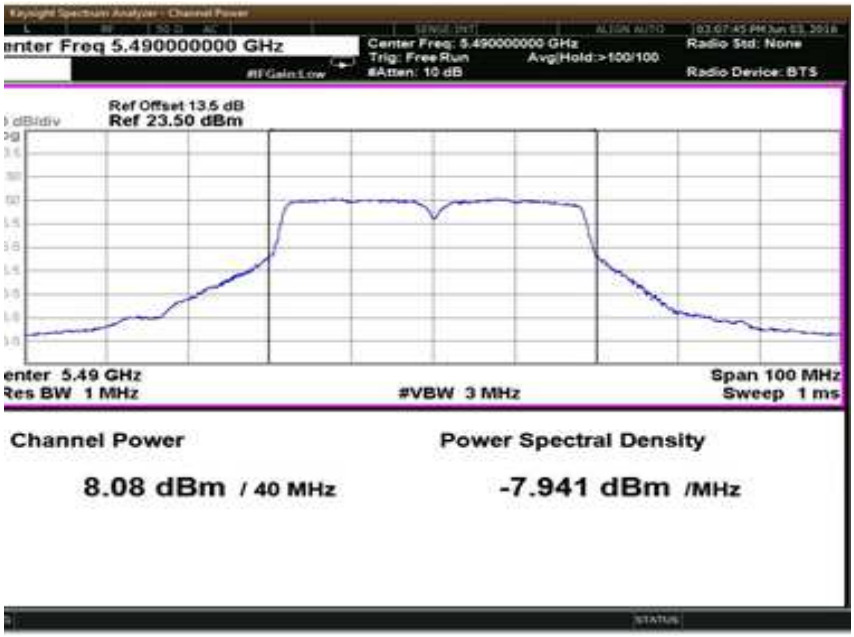

Figure 50: 40 MHz, 17 dBi, Low Channel: Power spectral density measured at Ch.1 – 5490 MHz

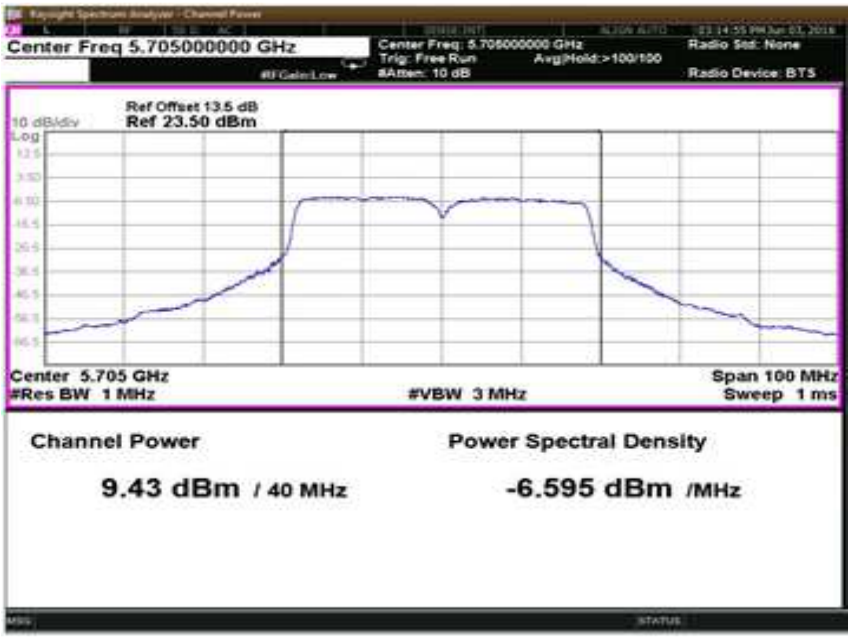

Figure 51: 40 MHz, 17 dBi, High Channel: Power spectral density measured at Ch.0 – 5705 MHz

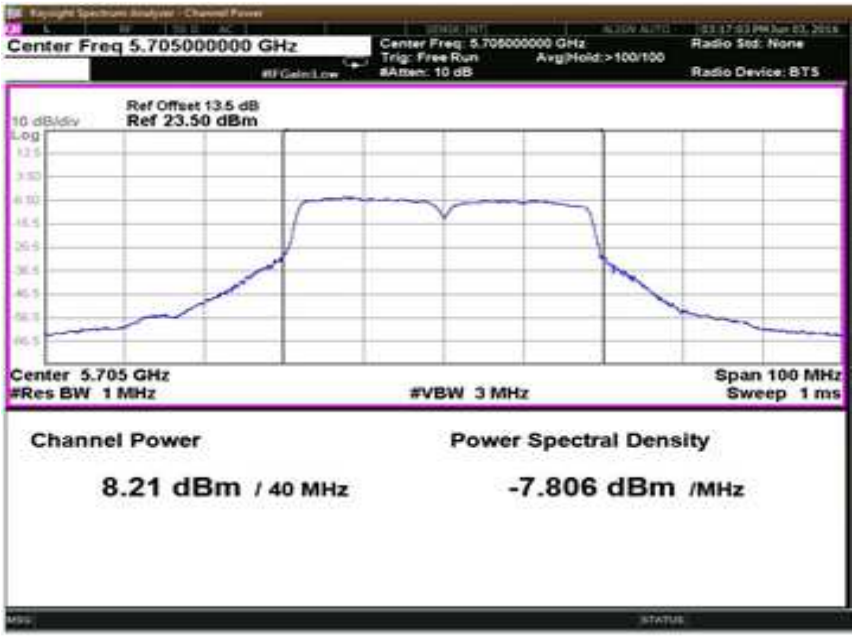

Figure 52: 40 MHz, 17 dBi, High Channel: Power spectral density measured at Ch.1 – 5705 MHz

Figure 53: 10 MHz, 17 dBi, Low Channel: Power spectral density measured at Ch. 0 – 5485 MHz

Figure 54: 10 MHz, 17 dBi, Low Channel: Power spectral density measured at Ch. 1 – 5485 MHz

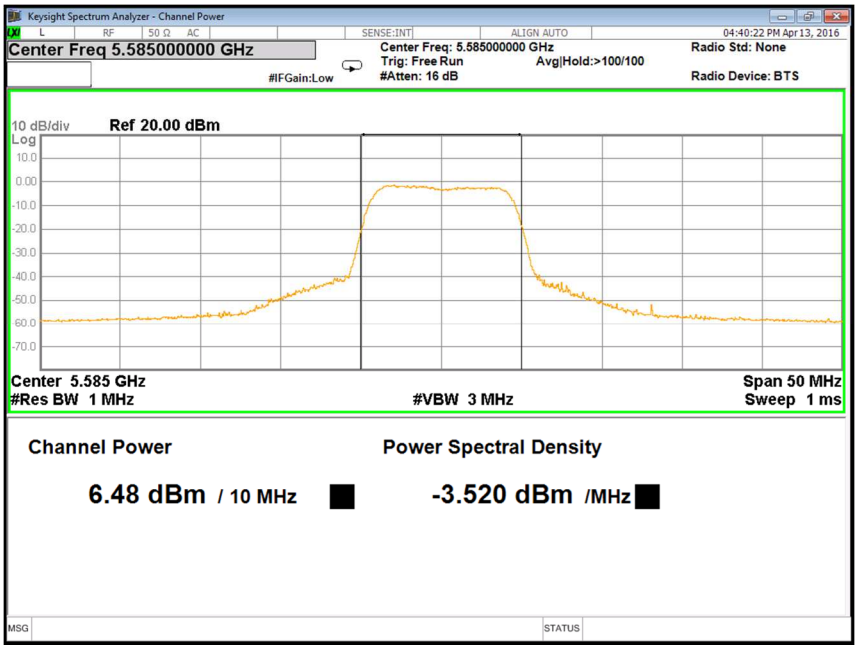

Figure 55: 10 MHz, 17 dBi, Mid Channel: Power spectral density measured at Ch. 0– 5585 MHz

Figure 56: 10 MHz, 17 dBi, Mid Channel: Power spectral density measured at Ch. 1 – 5585 MHz

Figure 57: 10 MHz, 17 dBi, High Channel: Power spectral density measured at Ch. 0 – 5710 MHz

Figure 58: 10 MHz, 17 dBi, High Channel: Power spectral density measured at Ch. 1 – 5710 MHz

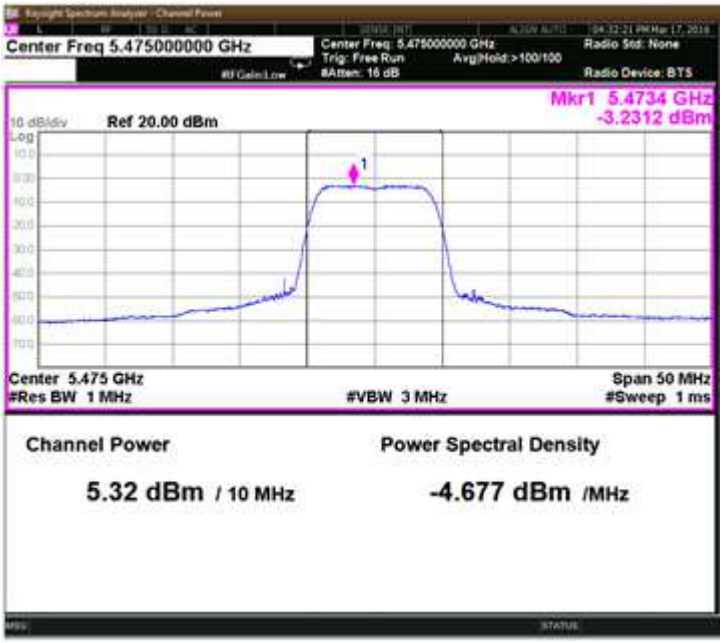

Figure 59: 10 MHz, 17 dBi, Low Channel: Power spectral density measured at Ch. 0 – 5475 MHz

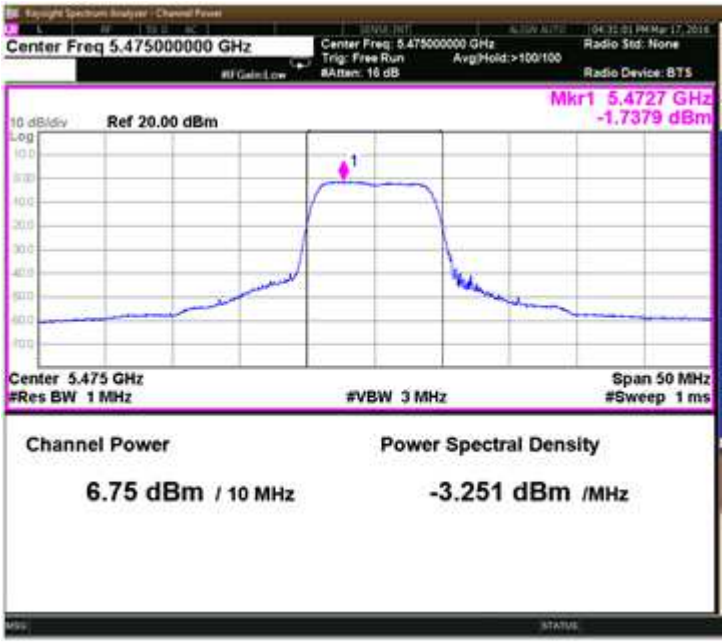

Figure 60: 10 MHz, 17 dBi, Low Channel: Power spectral density measured at Ch. 1 – 5475 MHz

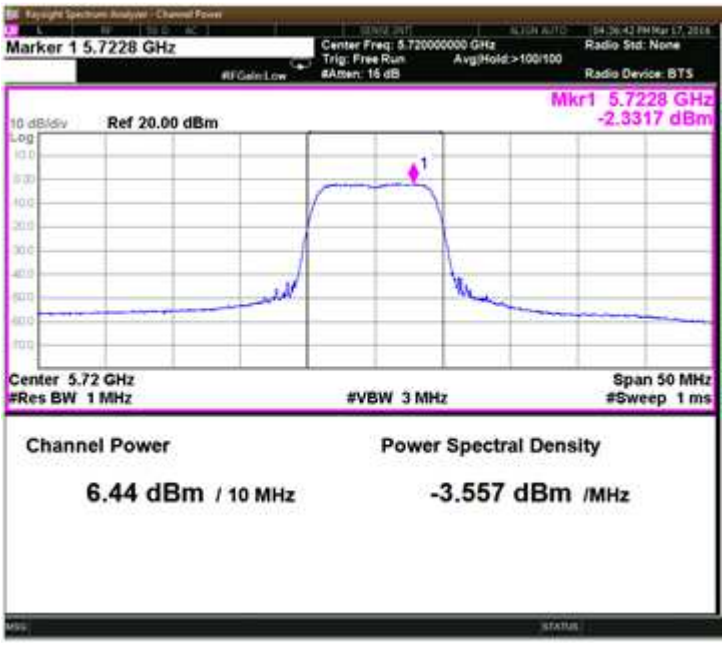

Figure 61: 10 MHz, 17 dBi, High Channel: Power spectral density measured at Ch. 0 – 5720 MHz

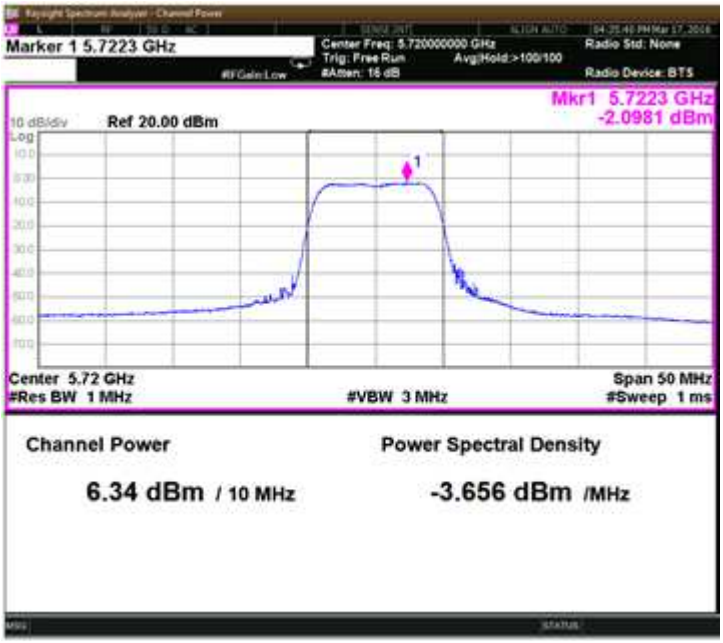

Figure 62: 10 MHz, 17 dBi, High Channel: Power spectral density measured at Ch. 1 – 5720 MHz