Prüfbericht-Nr.: *Test Report No.*:	**16081948 001**	**Auftrags-Nr.:** *Order No.*:	**174061986**	Seite 1 von 89 *Page 1 of 89*
Kunden-Referenz-Nr.: *Client Reference No.*:	660876	**Auftragsdatum:** *Order date*:	11 Jan, 2017	

Auftraggeber: *Client*:	Bonaverde GmbH c/o MCB GmbH Rosenthaler Str. 2 10119 Berlin Germany
Prüfgegenstand: *Test item*:	Roast, Grind, Brew Coffee Maker
Bezeichnung / Typ-Nr.: Identification / Type No.:	Berlin
Auftrags-Inhalt: *Order content*:	TUV Rheinland – FCC service
Prüfgrundlage: *Test specification*:	FCC 47 CFR Part 22 (October 1, 2016) Subpart H section 913, 917, 355 FCC 47 CFR Part 24 (October 1, 2016) Subpart E section 232, 238, 235 RSS 132 Issue 3, RSS-133 issue 6

Wareneingangsdatum: *Date of receipt*:	02 Mar, 2017
Prüfmuster-Nr.: *Test sample No.*:	174061986-001
Prüfzeitraum: *Testing period*:	Refer to test report.
Ort der Prüfung: *Place of testing*:	TÜV Rheinland (Guangdong) Ltd.
Prüflaboratorium: *Testing laboratory*:	TÜV Rheinland (Guangdong) Ltd.
Prüfergebnis*: *Test result**:	Pass

geprüft von / *tested by*:

Amy Wang

16 May, 2017 Amy Wang / Project Manager

Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

kontrolliert von / *reviewed by*:

16 May, 2017 Max Y. C. Yao/ / Department Manager

Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

Sonstiges / *Other*:
FCC ID: 2ALZRBONAVERDEBER

Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery*: Prüfmuster vollständig und unbeschädigt *Test item complete and undamaged*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	*1 = very good*	*2 = good*	*3 = satisfactory*	*4 = sufficient*	*5 = poor*
	P(ass) = passed a.m. test specification(s)		*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

TEST SUMMARY

5.1.1 PEAK POWER
RESULT: Passed

5.1.2 ERP & EIRP MEASUREMENT
RESULT: Passed

5.1.3 OCCUPIED BANDWIDTH MEASUREMENT
RESULT: Passed

5.1.4 OUT OF BAND EMISSION AT ANTENNA TERMINALS
RESULT: Passed

5.1.5 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT
RESULT: Passed

5.2.1 OUTPUT RF SPECTRUM V.S. TEMPERATURE MEASUREMENT
RESULT: Passed

5.2.2 FREQUENCY STABILITY V.S. VOLTAGE MEASUREMENT
RESULT: N/A

6.1.1 ELECTROMAGNETIC FIELDS
RESULT: Passed

Contents

1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:
Appendix 1: Test Result of Radiated Emissions

Test Specifications
The following standards were applied (in bold: product standards, otherwise: basic standards).

Table 1: Applied Standard and Test Levels

Radio
FCC 47 CFR Part 22 Subpart H & Part 24 Subpart E IC RSS-132 Issue 3: January 2013 and IC RSS-133 Issue 6: January 2013

2. Test Sites

2.1 Test Facilities

Shenzhen Huatongwei International Inspection Co., Ltd
Bldg3, Hongfa Hi-tech Industrial Park, Genyu Road, Hongfa Hi-tech Industrial Park, Shenzhen, China

FCC-Registration No.: 317478
IC-Registration No.: 5377A&5377B.

2.2 List of Test and Measurement Instruments

Table 2: List of Test and Measurement Equipment

Output Power(Conducted) &Occupied Bandwidth&Emission Bandwidth&Band Edge Compliance&Conducted Spurious Emission						
No.	Equipment	Manufacturer	Model No.	SerialNo.	Last Cal.	Calibrated Interval
1	UNIVERSAL RADIO COMMUNICATION	Rohde&Schwarz	CMU200	112012	11/13/2016	1 Year
2	WIDEB.RADIO COMM.TESRER	Rohde&Schwarz	CMW500	1201.0002K 50	11/13/2016	1 Year
3	Spectrum Analyzer	Rohde&Schwarz	FSU26	201141	11/13/2016	1 Year
4	Splitter	Mini-Circuit	ZAPD-4	400059	11/13/2016	1 Year

Output Power (Radiated) &Radiated Spurious Emission						
No.	Equipment	Manufacturer	Model No.	SerialNo.	Last Cal.	Calibrated Interval
1	UNIVERSAL RADIO COMMUNICATION	Rohde&Schwarz	CMU200	112012	11/13/2016	1 Year
2	Spectrum Analyzer	Rohde&Schwarz	FSU26	201141	11/13/2016	1 Year
3	HORNANTENNA	ShwarzBeck	9120D	1012	11/13/2016	1 Year
4	HORNANTENNA	ShwarzBeck	9120D	1011	11/13/2016	1 Year
5	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	538	11/13/2016	1 Year
6	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	539	11/13/2016	1 Year
7	TURNTABLE	MATURO	TT2.0	----	N/A	1 Year
8	ANTENNA MAST	MATURO	TAM-4.0-P	----	N/A	1 Year
9	EMI Test Software	Audix	E3	N/A	N/A	1 Year
10	EMI Test Receiver	Rohde&Schwarz	ESIB 26	100009	11/13/2016	1 Year
11	RF Test Panel	Rohde&Schwarz	TS / RSP	335015/ 0017	11/13/2016	1 Year
12	High pass filter	Compliance Direction systems	BSU-6	34202	11/13/2016	1 Year
13	Splitter	Mini-Circuit	ZAPD-4	400059	11/13/2016	1 Year
14	Horn Antenna	SCHWARZBECK	BBHA9170	25841	11/13/2016	1 Year
15	Horn Antenna	SCHWARZBECK	BBHA9170	25842	11/13/2016	1 Year
16	Preamplifier	ShwarzBeck	BBV 9718	BBV 9718	11/13/2016	1 Year
17	Broadband Preamplifier	ShwarzBeck	BBV743	9743-0079	11/13/2016	1 Year
18	Signal Generator	Rohde&Schwarz	SMF100A	101932	11/13/2016	1 Year
19	Amplifer	Compliance Direction systems	PAP1-4060	120	11/13/2016	1 Year
20	TURNTABLE	ETS	2088	2149	11/13/2016	1 Year
21	ANTENNA MAST	ETS	2075	2346	11/13/2016	1 Year
22	HORNANTENNA	Rohde&Schwarz	HF906	100068	11/13/2016	1 Year

Output Power (Radiated) &Radiated Spurious Emission						
No.	Equipment	Manufacturer	Model No.	SerialNo.	Last Cal.	Calibrated Interval
23	HORNANTENNA	Rohde&Schwarz	HF906	100039	11/13/2016	1 Year
24	WIDEB.RADIO COMM.TESRER	R&S	CMW500	1201.0002K50	11/13/2016	1 Year

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements are ±3dB.

Table 3: Emission Measurement Uncertainty

Parameter	Uncertainty
Radio Frequency	± 1 x 10^{-7}
RF power, conducted	± 2.68 dB
Adjacent channel power	± 3 dB
Radiated emission of transmitter, valid up to 26 GHz	± 5.16 dB
Radiated emission of receiver, valid up to 26 GHz	± 5.16 dB
Temperature	± 2 ºC
Humidity	± 10 %

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a coffee maker. It contains a 2G/3G module enabling the user to control it through a Wireless interface. They could not operation with RFID function.
For details refer to the User Guide, Data Sheet and Circuit Diagram.

3.2 Ratings and System Details

Table 4: Basic Information of EUT

Item	EUT information
Kind of Equipment	Coffee Maker
Type Designation	Berlin
Brand Name	Bonaverde
FCC ID	2ALZRBONAVERDEBER

Table 5: Technical Specification of EUT

Technical Specification	Value
Operating Frequencies	GPRS / EDGE: 850: 824.2 ~ 848.8 MHz GPRS / EDGE: 1900: 1850.2 ~ 1909.8 MHz WCDMA / HSDPA / HSUPA Band II: 1852.4 ~ 1907.6 MHz WCDMA / HSDPA / HSUPA Band V: 826.4 ~ 846.6MHz
Operation Voltage	AC 120V, 60Hz
Modulation	GMSK, 8PSK
Antenna gain	GPRS / EDGE 850: -1.1 dBi GPRS / EDGE 1900:-1.1 dBi WCDMA band II:-1.1 dBi WCDMA band V: -1.1 dBi

3.3 Independent Operation Modes

Basic operation modes are:

A. Transmitting
   1. Low channel
   2. Middle channel
   3. High channel
B. Receiving
C. Standby
D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Circuit Diagram
- Instruction Manual
- Rating Label
- Technical Description

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum emission level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Setup for testing: Test samples are provided with a digital interface which makes it possible to control them through a test software installed on a notebook computer.

4.3 Special Accessories and Auxiliary Equipment

N/A.

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

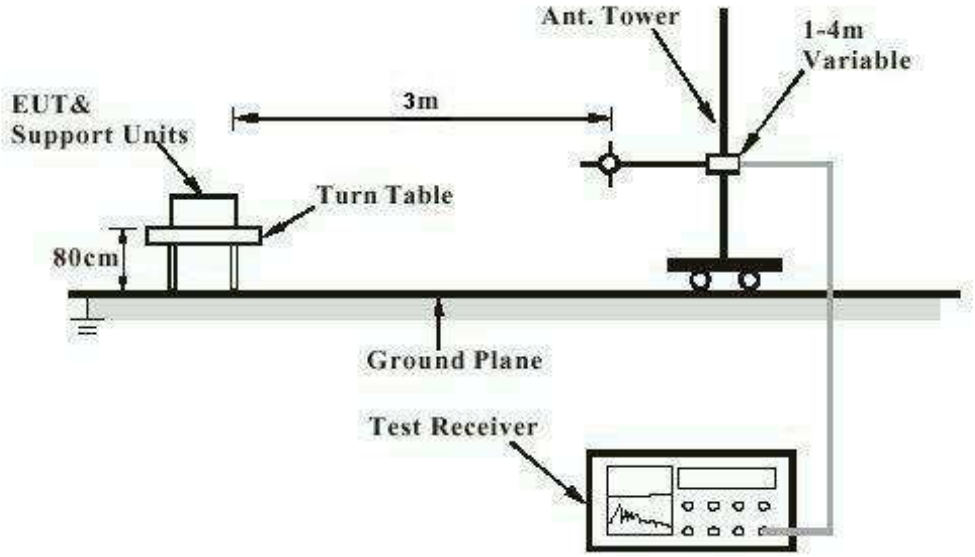


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

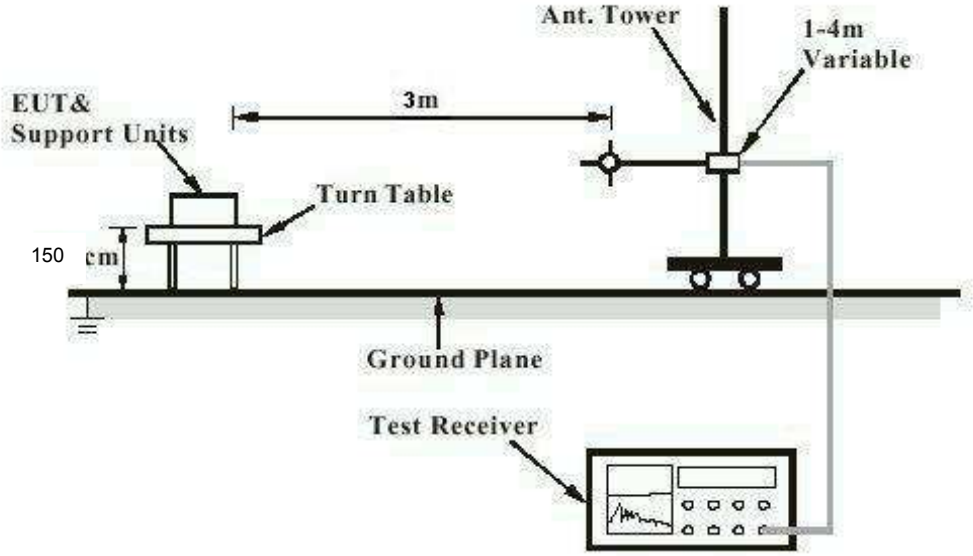
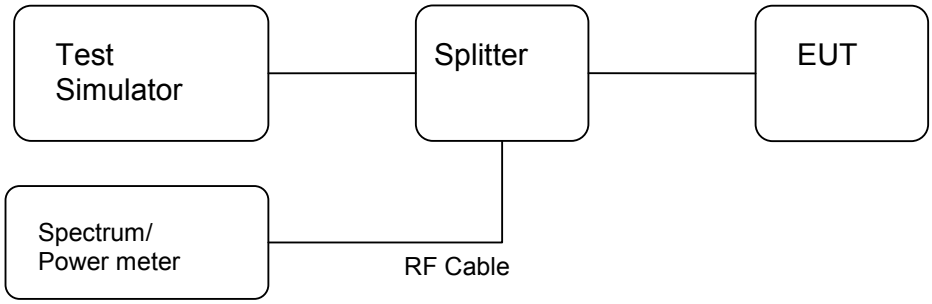


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Peak Power

RESULT: **Passed**

Test standard	:	FCC §2.1046
Basic standard	:	FCC Part 22 & 24
Limit	:	According to FCC §2.1046.
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	20-24 °C
Relative humidity	:	50-65 %
Atmospheric pressure	:	100-103 kPa

Table 6: Test result (GPRS/EDGE)

Band	Channel	Frequency (MHz)	Measured Output Power dBm	Verdict
GPRS 850MHz	128	824.2	32.65	PASS
	190	836.6	32.71	PASS
	251	848.8	32.64	PASS
GPRS 1900MHz	512	1850.2	29.21	PASS
	661	1880.0	29.31	PASS
	810	1909.8	29.35	PASS
EDGE 850MHz	128	824.2	26.95	PASS
	190	836.6	27.01	PASS
	251	848.8	26.92	PASS
EDGE 1900MHz	512	1850.2	25.28	PASS
	661	1880.0	25.37	PASS
	810	1909.8	25.39	PASS

Remark: The value of factor includes both the loss of cable and external attenuator

Table 7: Test result (WCDMA/HSDPA/HSUPA)

Item	band	WCDMA 850 Band V			WCDMA 1900 Band II		
	Frequency	4132	4183	4233	9262	9400	9538
	Subtest	dBm			dBm		
WCDMA	RMC 12.2Kbps	22.33	22.39	22.26	23.80	23.59	23.46
HSDPA	1	21.77	21.82	21.76	23.22	23.18	23.13
	2	21.54	21.47	21.52	23.09	22.95	22.91
	3	21.64	21.66	21.73	22.92	22.80	22.81
	4	20.85	20.83	20.94	22.14	22.06	22.02
HSUPA	1	21.87	21.85	21.86	23.30	23.19	23.11
	2	21.48	21.52	21.45	22.87	22.76	22.78
	3	21.71	21.64	21.67	22.95	22.87	22.91
	4	21.55	21.54	21.57	22.74	22.68	22.61
	5	20.88	20.90	20.84	22.02	21.94	21.93
Verdict		PASS	PASS	PASS	PASS	PASS	PASS

Remark: The value of factor includes both the loss of cable and external attenuator

5.1.2 ERP & EIRP Measurement

RESULT: **Passed**

Test standard	:	FCC 22.913(a),FCC 24.232(b)
Basic standard	:	FCC Part 22 & 24
Limit:	:	According to FCC §2.1046 FCC 22.913(a): The Effective Radiated Power (ERP) of mobile transmitters must not exceed 7 Watts. FCC 24.232(b): The equivalent Isotropic Radiated Power (EIRP) must not exceed 2 Watts.
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	20-24°C
Relative humidity	:	50-65%
Atmospheric pressure	:	100-103 kPa

Table 8: Test result of ERP/EIRP (GSM850)

a) GPRS 850

Band	Channel	Frequency (MHz)	PCL	Antenna Pol (H/V)	Measured ERP dBm	Limit dBm	Verdict
GPRS 850MHz	128	824.20	5	V	30.25	38.5	PASS
				H	29.18		
	190	836.60	5	V	**30.70**		PASS
				H	29.39		
	251	848.80	5	V	30.46		PASS
				H	29.22		

b) EGPRS 850

Band	Channel	Frequency (MHz)	PCL	Antenna Pol (H/V)	Measured ERP dBm	Limit dBm	Verdict
EGPRS 850MHz	128	824.20	5	V	24.29	38.5	PASS
				H	23.01		
	190	836.60	5	V	**24.48**		PASS
				H	23.57		
	251	848.80	5	V	24.32		PASS
				H	23.16		

Table 9: Test result of ERP/EIRP (PCS1900)

a) GPRS 1900

Band	Channel	Frequency (MHz)	PCL	Antenna Pol (H/V)	Measured EIRP dBm	Limit dBm	Verdict
GPRS 1900MHz	512	1850.2	0	V	27.15	33	PASS
				H	26.08		
	661	1880.0	0	V	27.18		PASS
				H	26.01		
	810	1909.8	0	V	**27.26**		PASS
				H	26.11		

b) EGPRS 1900

Band	Channel	Frequency (MHz)	PCL	Antenna Pol (H/V)	Measured EIRP dBm	Limit dBm	Verdict
EGPRS 1900MHz	512	1850.2	0	V	23.40	33	PASS
				H	22.11		
	661	1880.0	0	V	23.31		PASS
				H	22.08		
	810	1909.8	0	V	**23.52**		PASS
				H	22.34		

Table 10: Test result of ERP/EIRP (WCDMA/HSDPA/HSUPA)

a) WCDMA Band II

Band	Channel	Frequency (MHz)	Antenna Pol (H/V)	Measured EIRP dBm	Limit dBm	Verdict
WCDMA 1900MHz	9262	1852.4	V	21.35	33	PASS
			H	20.10		
	9400	1880	V	21.27		PASS
			H	20.22		
	9538	1907.6	V	**21.41**		PASS
			H	20.29		

b) WCDMA Band V

Band	Channel	Frequency (MHz)	Antenna Pol (H/V)	Measured ERP dBm	Limit dBm	Verdict
WCDMA 850MHz	4132	826.4	V	20.44	38.5	PASS
			H	19.28		
	4175	835	V	20.32		PASS
			H	19.30		
	4233	846.6	V	**20.48**		PASS
			H	19.27		

c) HSDPA Band II

Band	Channel	Frequency (MHz)	Antenna Pol (H/V)	Measured EIRP dBm	Limit dBm	Verdict
HSDPA 1900MHz	9262	1852.4	V	20.90	33	PASS
			H	19.59		
	9400	1880	V	20.97		PASS
			H	19.62		
	9538	1907.6	V	**21.02**		PASS
			H	19.66		

d) HSDPA Band V

Band	Channel	Frequency (MHz)	Antenna Pol (H/V)	Measured ERP dBm	Limit dBm	Verdict
HSDPA 850MHz	4132	826.4	V	**20.03**	38.5	PASS
			H	18.96		
	4175	835	V	19.94		PASS
			H	18.88		
	4233	846.6	V	19.98		PASS
			H	18.95		

e) HSUPA Band II

Band	Channel	Frequency (MHz)	Antenna Pol (H/V)	Measured EIRP dBm	Limit dBm	Verdict
HSUPA 1900MHz	9262	1852.4	V	20.82	33	PASS
			H	19.65		
	9400	1880	V	20.89		PASS
			H	19.62		
	9538	1907.6	V	**20.96**		PASS
			H	19.69		

f) HSUPA Band V

Band	Channel	Frequency (MHz)	Antenna Pol (H/V)	Measured ERP dBm	Limit dBm	Verdict
HSUPA 850MHz	4132	826.4	V	**19.98**	38.5	PASS
			H	18.85		
	4175	835	V	19.92		PASS
			H	18.80		
	4233	846.6	V	19.86		PASS
			H	18.81		

5.1.3 Occupied Bandwidth Measurement

RESULT: **Passed**

Test standard	:	According to §FCC 2.1049
Basic standard	:	FCC Part 22 & 24
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	20-24°C
Relative humidity	:	50-65%
Atmospheric pressure	:	100-103 kPa

Table 11: Test result of Occupied Bandwidth (GSM 850)

Test Mode	CH	Frequency (MHz)	99% Bandwidth (kHz)
GPRS 850	128	824.20	244.92
	190	836.60	241.60
	251	848.80	243.96
EDGE 850	128	824.20	246.22
	190	836.60	241.34
	251	848.80	247.19

Table 12: Test result of Occupied Bandwidth (PCS 1900)

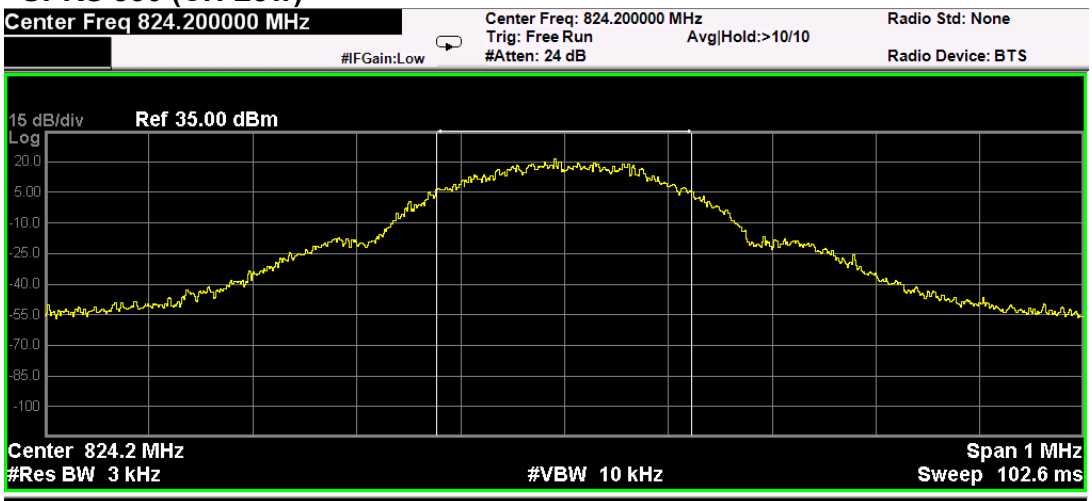
Test Mode	CH	Frequency (MHz)	99% Bandwidth (kHz)
GPRS 1900	512	1850.20	242.17
	661	1880.00	238.04
	810	1909.80	242.37
EDGE 1900	512	1850.20	240.66
	661	1880.00	238.87
	810	1909.80	248.11

Table 13: Test result of Occupied Bandwidth (WCDMA/HSDPA/HSUPA)

Test Mode	CH	Frequency (MHz)	99% Bandwidth (MHz)
WCDMA (Band II)	9262	1852.40	4.1111
	9400	1880.00	4.0868
	9538	1907.60	4.0818
WCDMA (Band V)	4132	826.40	4.0552
	4182	836.40	4.0508
	4233	846.60	4.0520
WCDMA / HSDPA (BAND II)	9262	1852.40	4.1580
	9400	1880.00	4.1854
	9538	1907.60	4.2435
WCDMA / HSDPA (BAND V)	4132	826.40	4.0977
	4182	836.40	4.0906
	4233	846.60	4.0982
WCDMA / HSUPA (BAND II)	9262	1852.40	4.1560
	9400	1880.00	4.1880
	9538	1907.60	4.2461
WCDMA / HSUPA (BAND V)	4132	826.40	4.1005
	4182	836.40	4.0987
	4233	846.60	4.1076

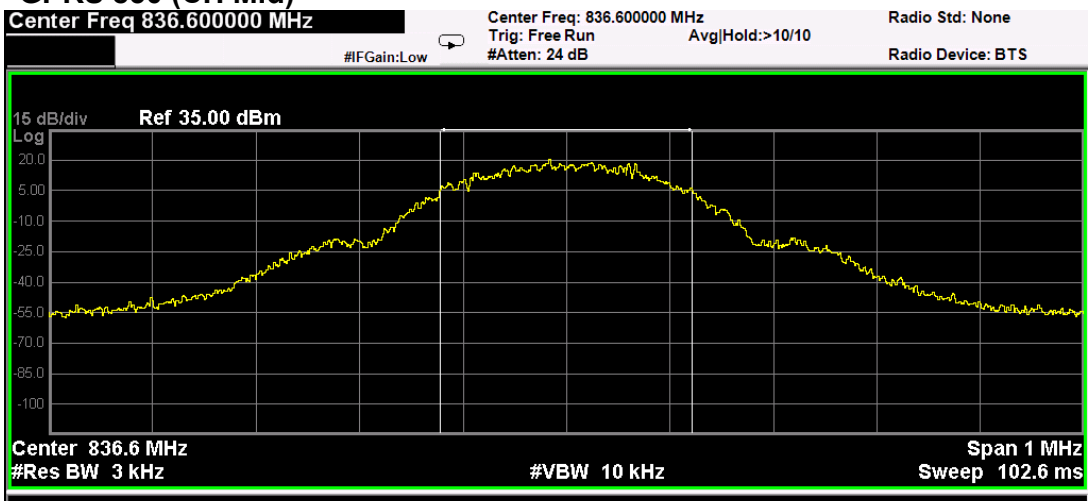
Test Plot of Occupied Bandwidth

GPRS 850 (CH Low)



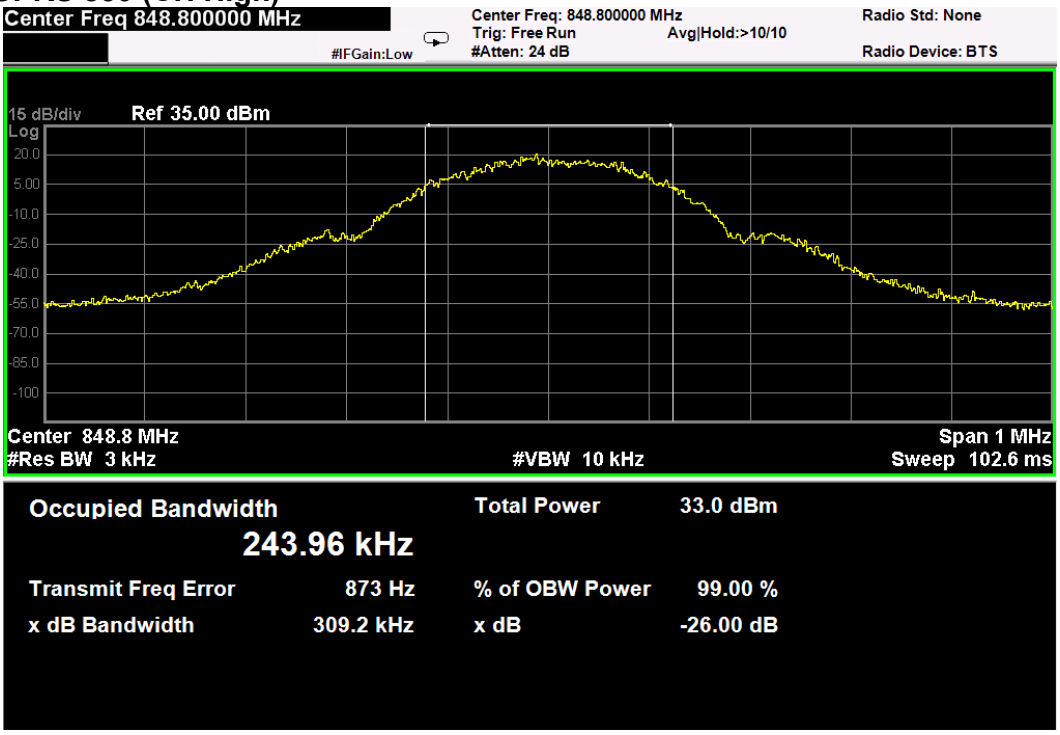
Occupied Bandwidth		Total Power	34.2 dBm
244.92 kHz			
Transmit Freq Error	-456 Hz	% of OBW Power	99.00 %
x dB Bandwidth	311.1 kHz	x dB	-26.00 dB

GPRS 850 (CH Mid)

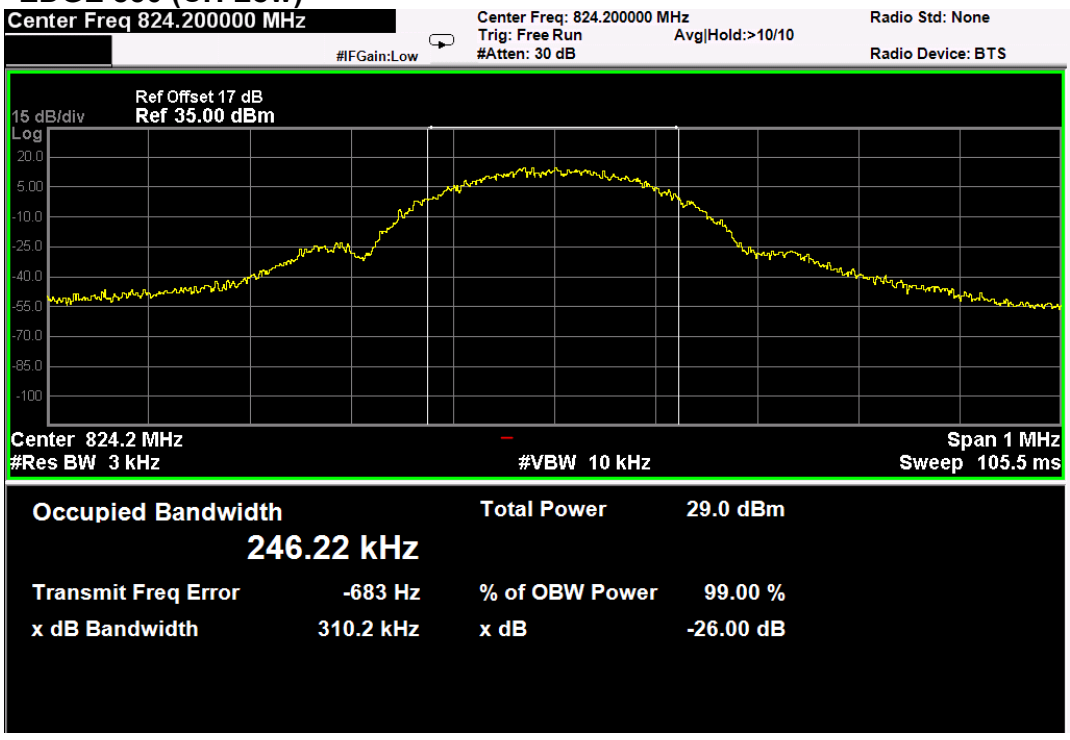


Occupied Bandwidth		Total Power	33.4 dBm
241.60 kHz			
Transmit Freq Error	157 Hz	% of OBW Power	99.00 %
x dB Bandwidth	308.0 kHz	x dB	-26.00 dB

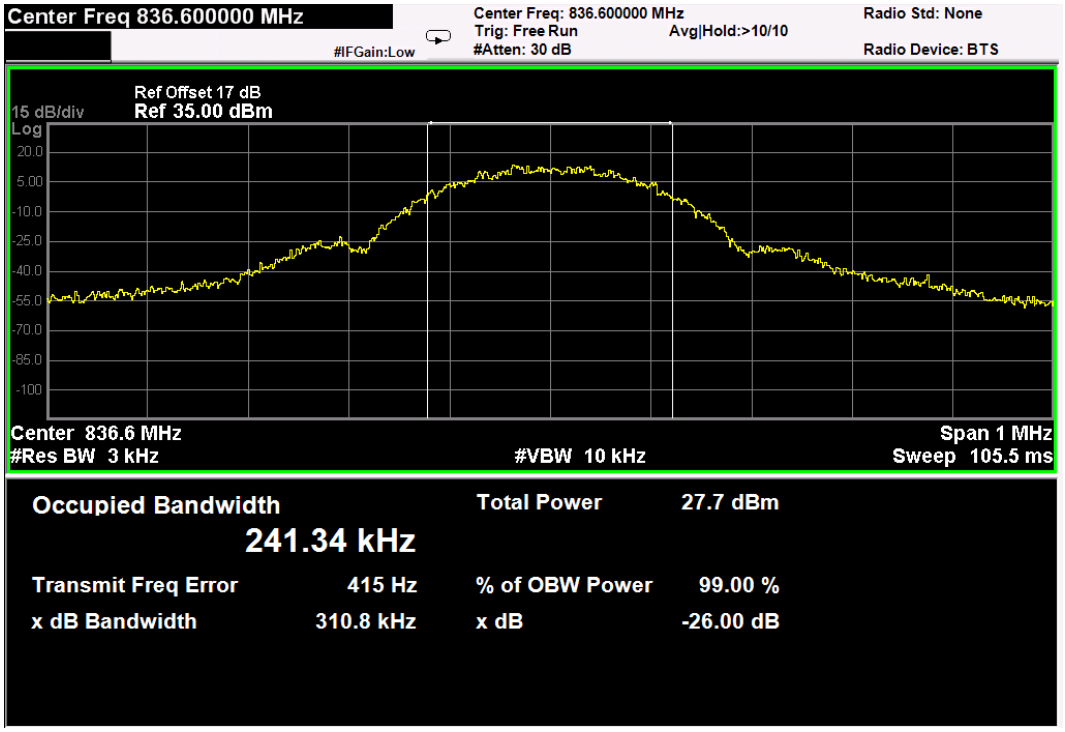
GPRS 850 (CH High)



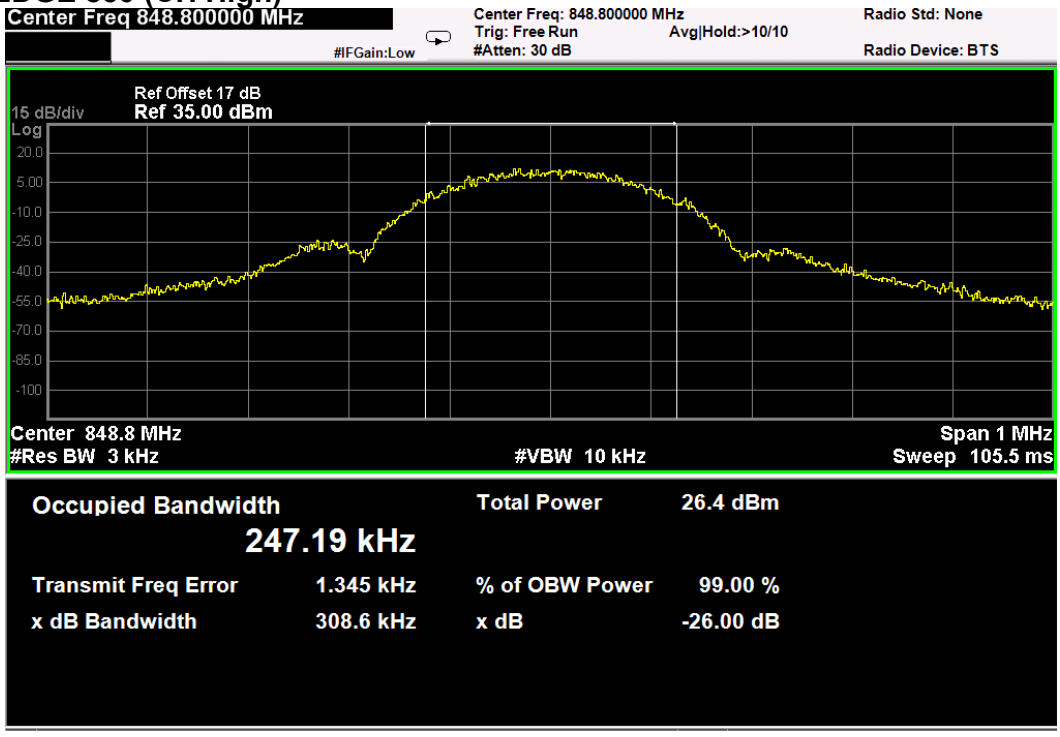
EDGE 850 (CH Low)



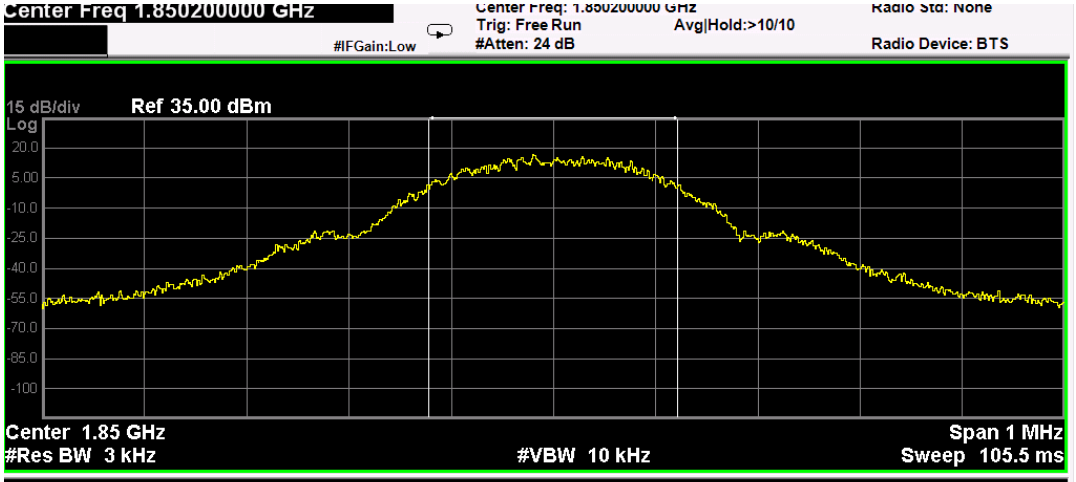
EDGE 850 (CH Mid)



EDGE 850 (CH High)

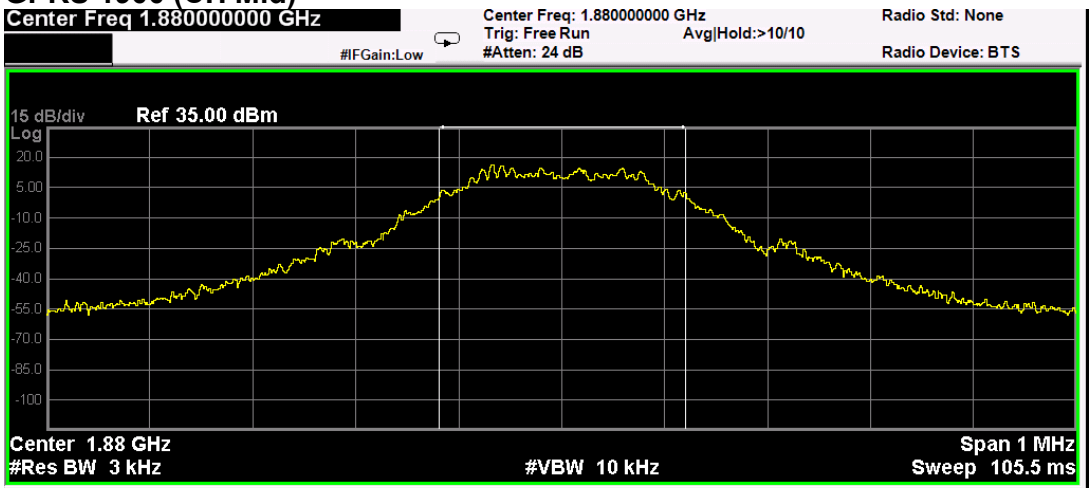


GPRS 1900 (CH Low)



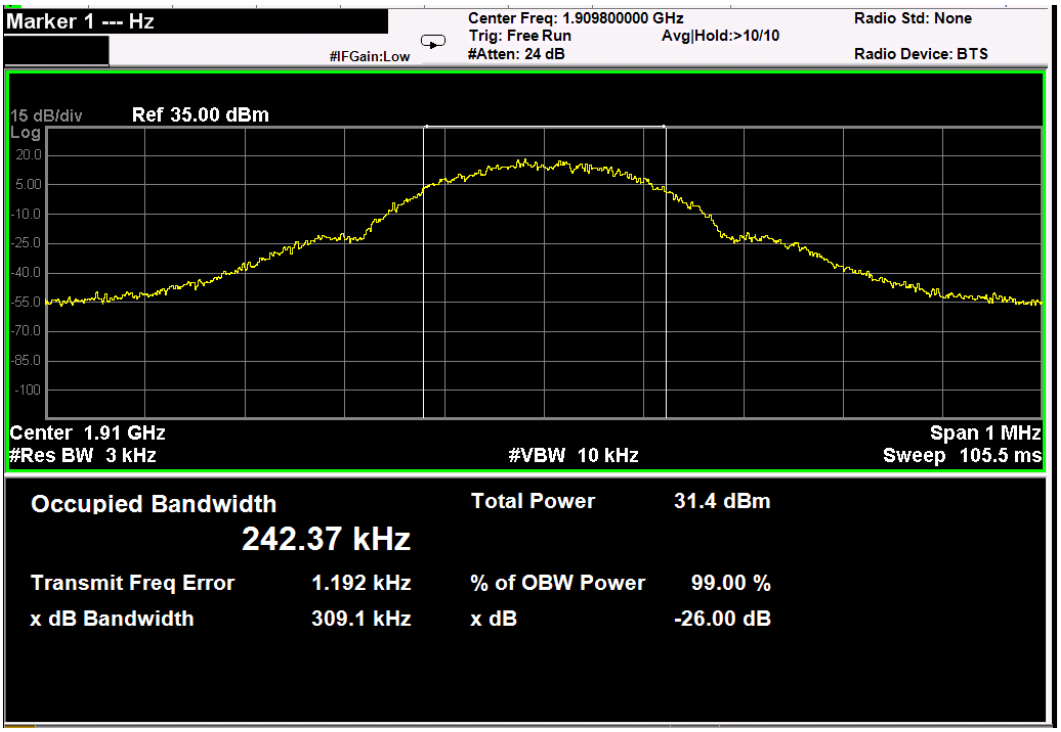
Occupied Bandwidth		**Total Power**	**30.0 dBm**
	242.17 kHz		
Transmit Freq Error	**228 Hz**	**% of OBW Power**	**99.00 %**
x dB Bandwidth	**315.6 kHz**	**x dB**	**-26.00 dB**

GPRS 1900 (CH Mid)

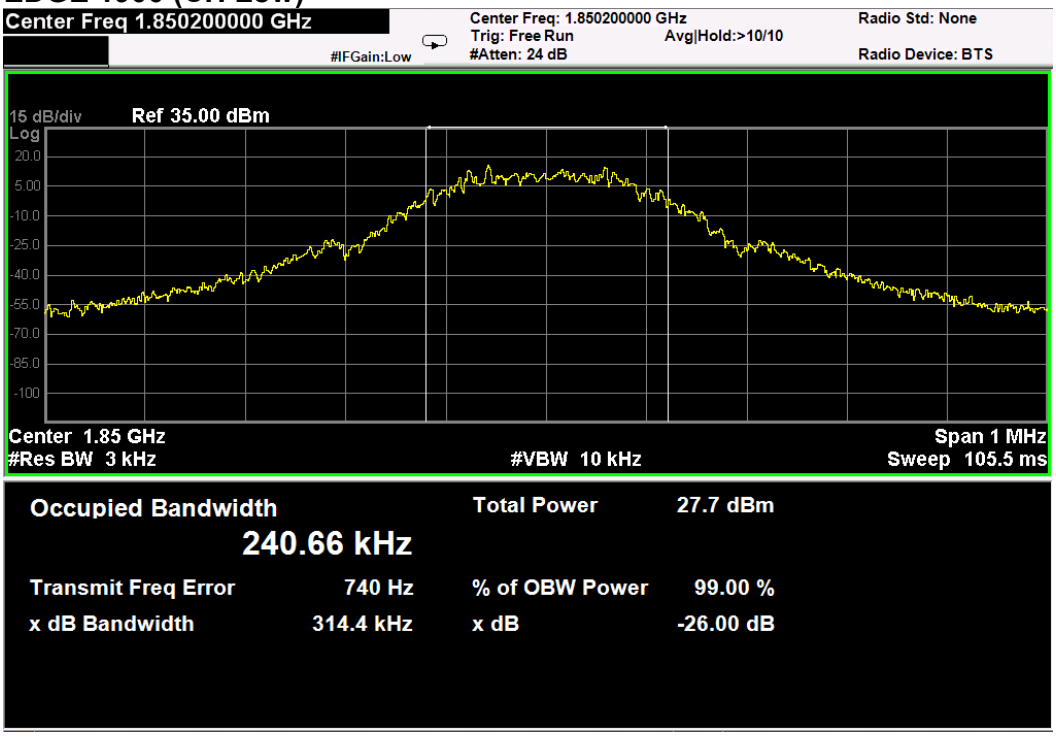


Occupied Bandwidth		**Total Power**	**29.6 dBm**
	238.04 kHz		
Transmit Freq Error	**1.340 kHz**	**% of OBW Power**	**99.00 %**
x dB Bandwidth	**316.2 kHz**	**x dB**	**-26.00 dB**

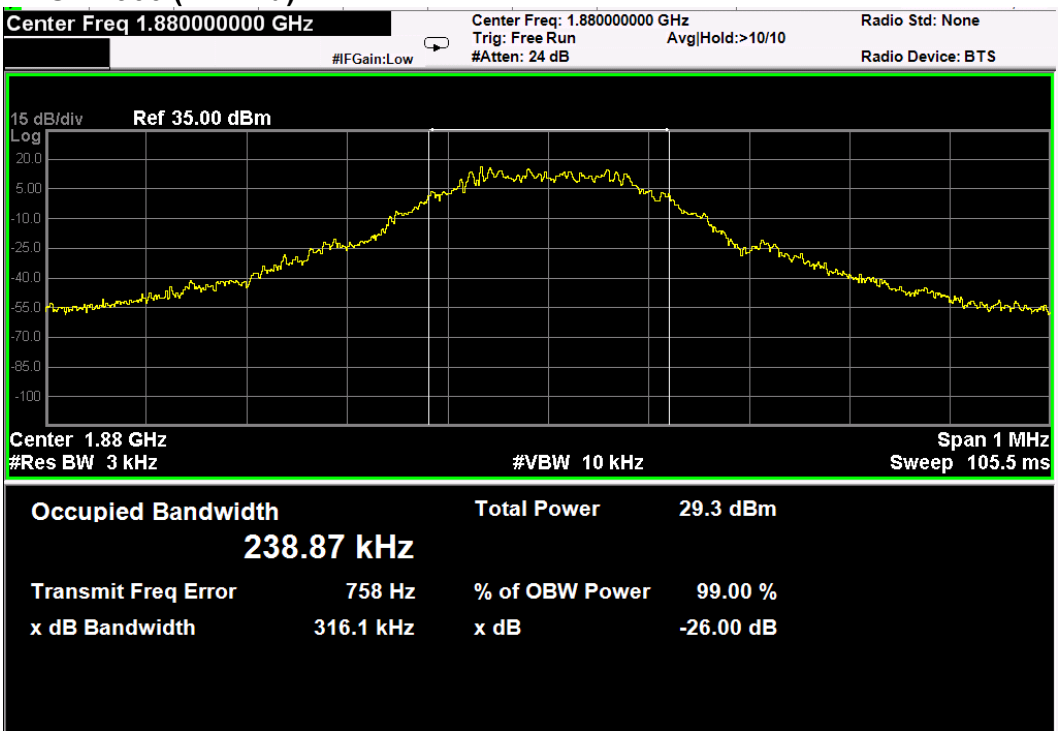
GPRS 1900 (CH High)



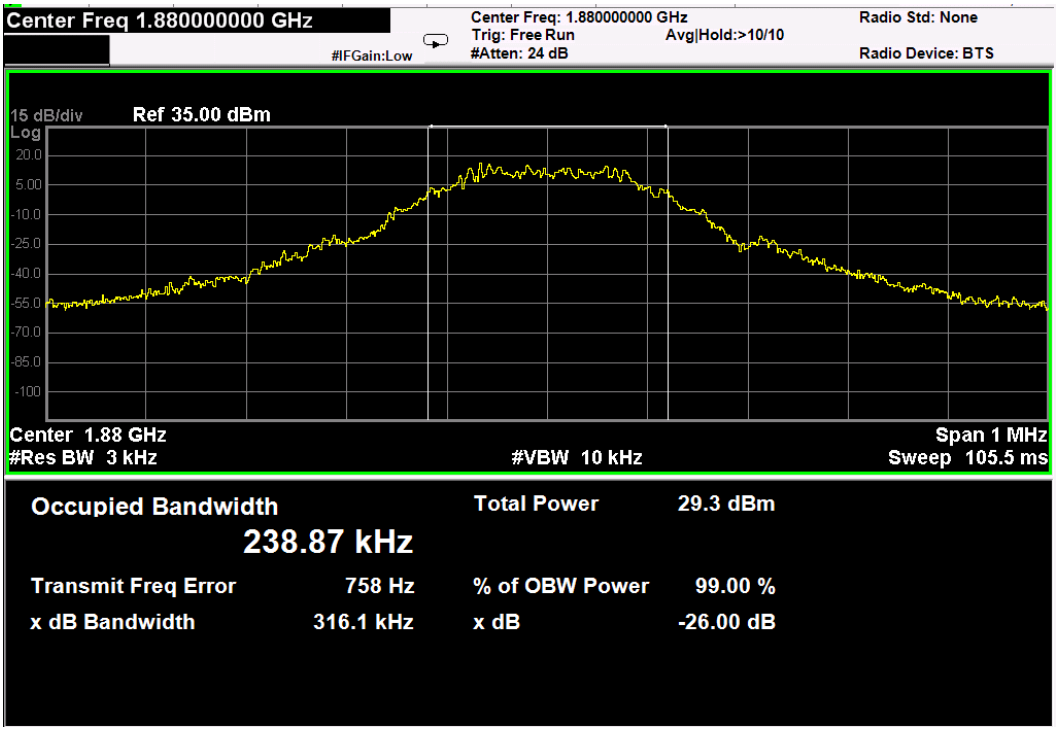
EDGE 1900 (CH Low)



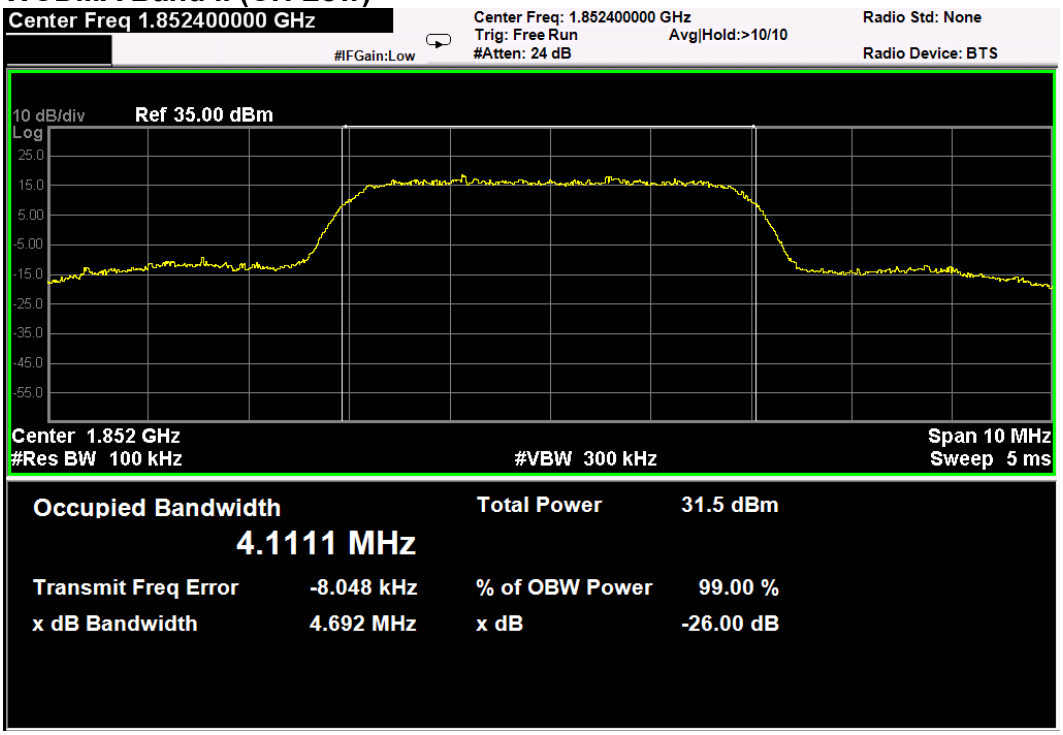
EDGE 1900 (CH Mid)



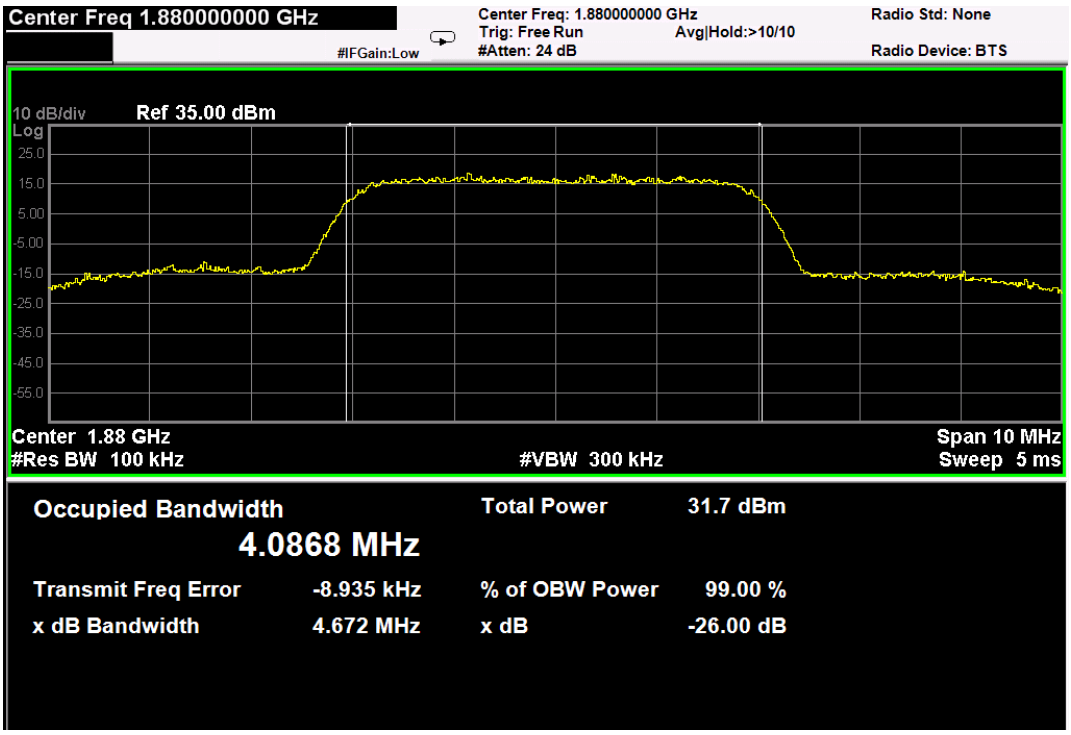
EDGE 1900 (CH High)



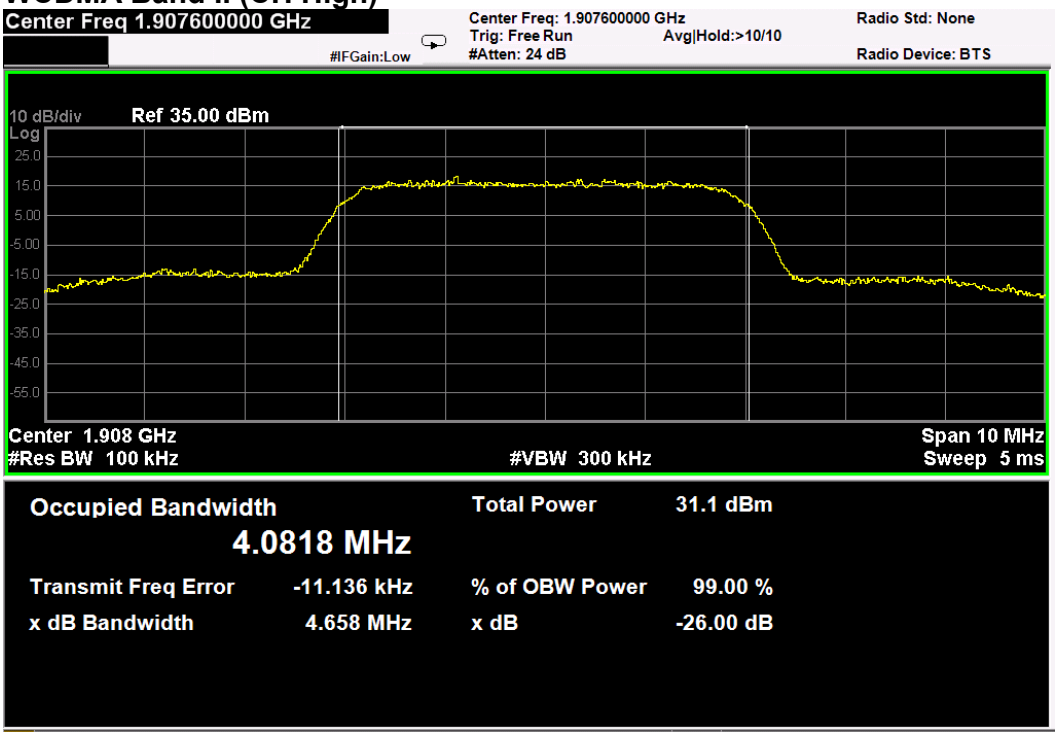
WCDMA Band II (CH Low)



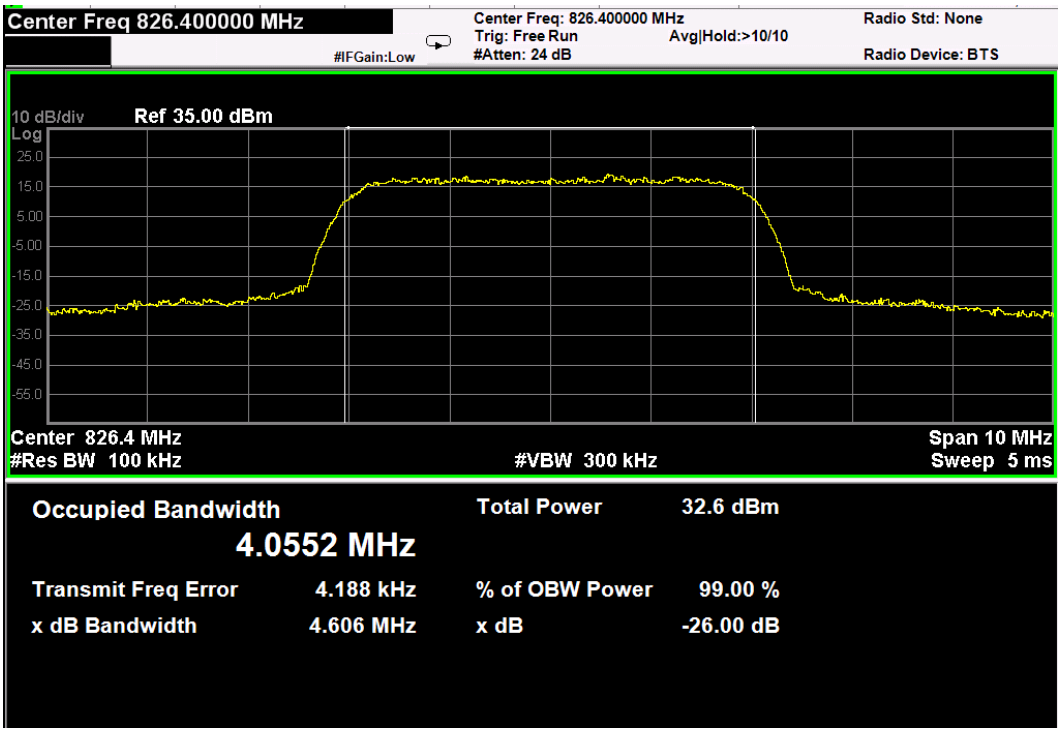
WCDMA Band II (CH Mid)



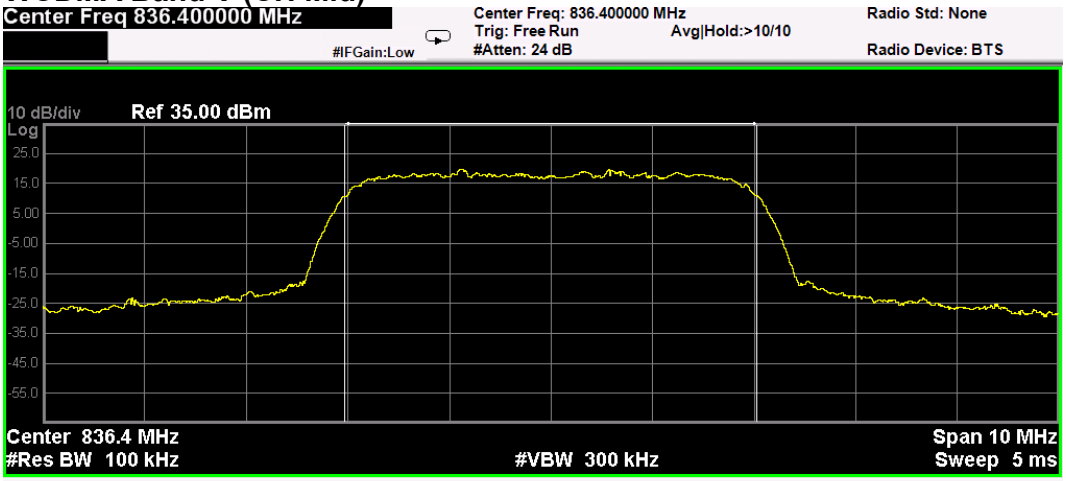
WCDMA Band II (CH High)



WCDMA Band V (CH Low)

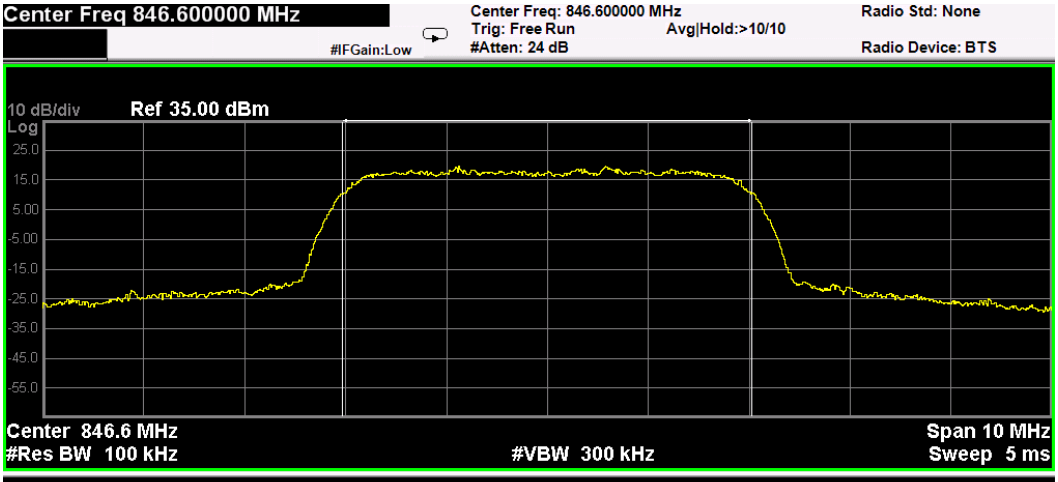


WCDMA Band V (CH Mid)



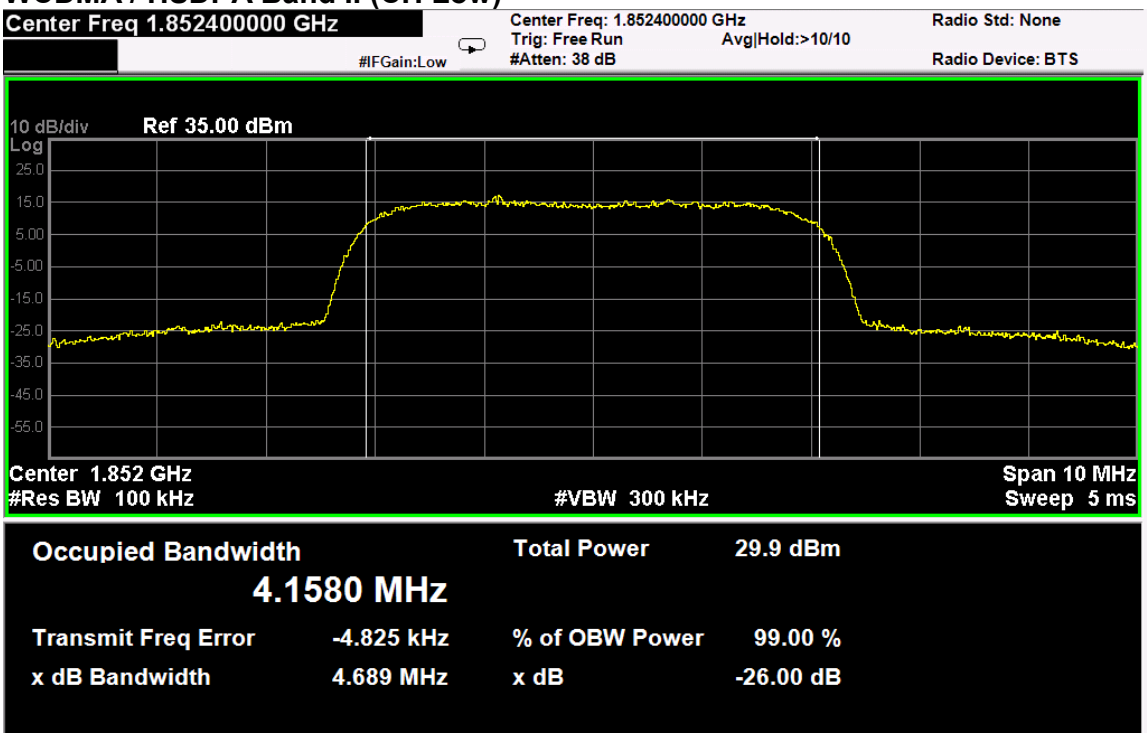
Occupied Bandwidth		**Total Power**	**33.2 dBm**
4.0508 MHz			
Transmit Freq Error	**2.154 kHz**	**% of OBW Power**	**99.00 %**
x dB Bandwidth	**4.605 MHz**	**x dB**	**-26.00 dB**

WCDMA Band V (CH High)



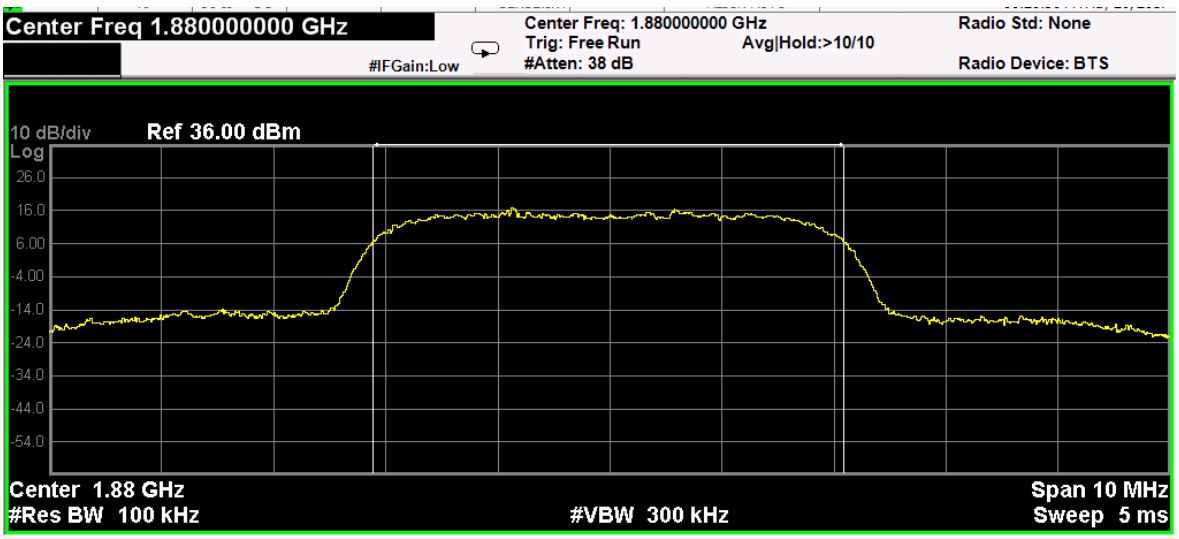
Occupied Bandwidth		**Total Power**	**33.0 dBm**
4.0520 MHz			
Transmit Freq Error	**755 Hz**	**% of OBW Power**	**99.00 %**
x dB Bandwidth	**4.609 MHz**	**x dB**	**-26.00 dB**

WCDMA / HSDPA Band II (CH Low)



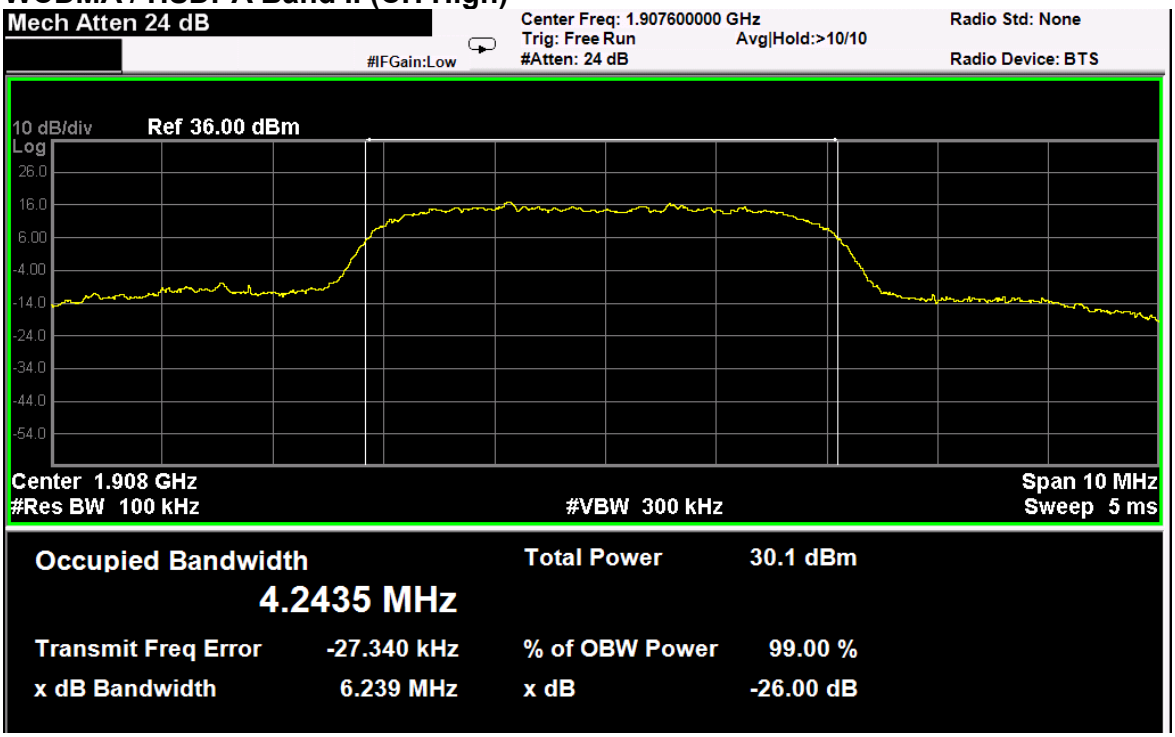
Occupied Bandwidth		**Total Power**	**29.9 dBm**
4.1580 MHz			
Transmit Freq Error	**-4.825 kHz**	**% of OBW Power**	**99.00 %**
x dB Bandwidth	**4.689 MHz**	**x dB**	**-26.00 dB**

WCDMA / HSDPA Band II (CH Mid)

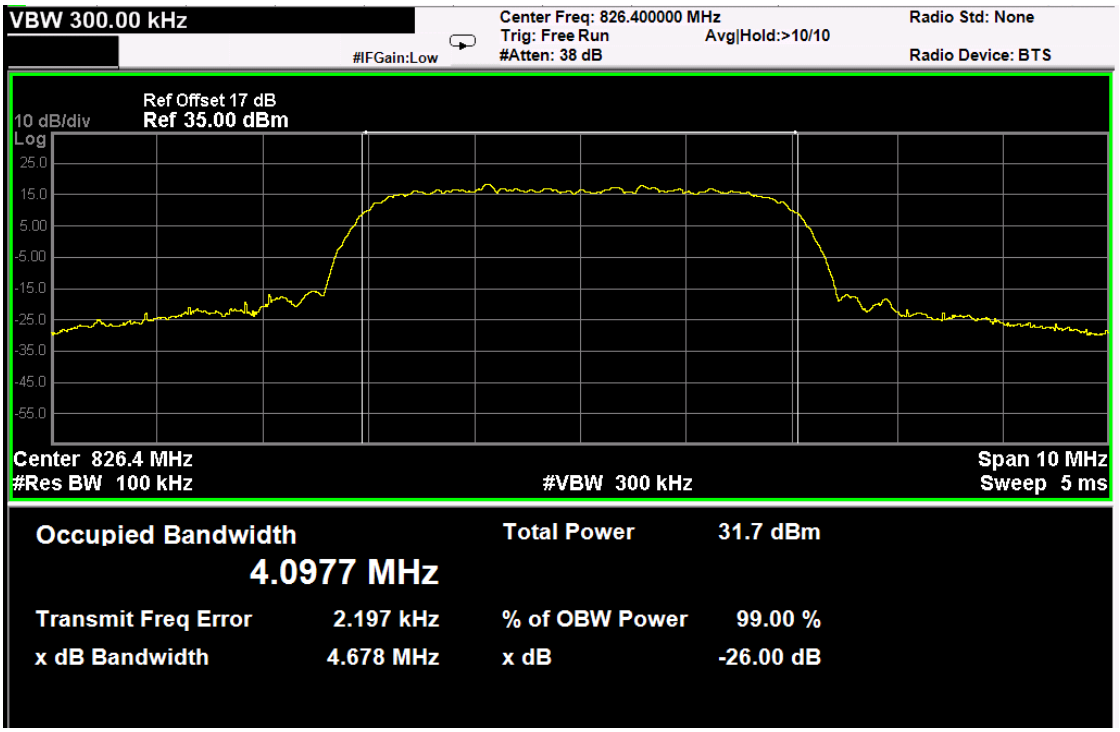


Occupied Bandwidth		**Total Power**	**29.9 dBm**
4.1854 MHz			
Transmit Freq Error	**-6.998 kHz**	**% of OBW Power**	**99.00 %**
x dB Bandwidth	**4.756 MHz**	**x dB**	**-26.00 dB**

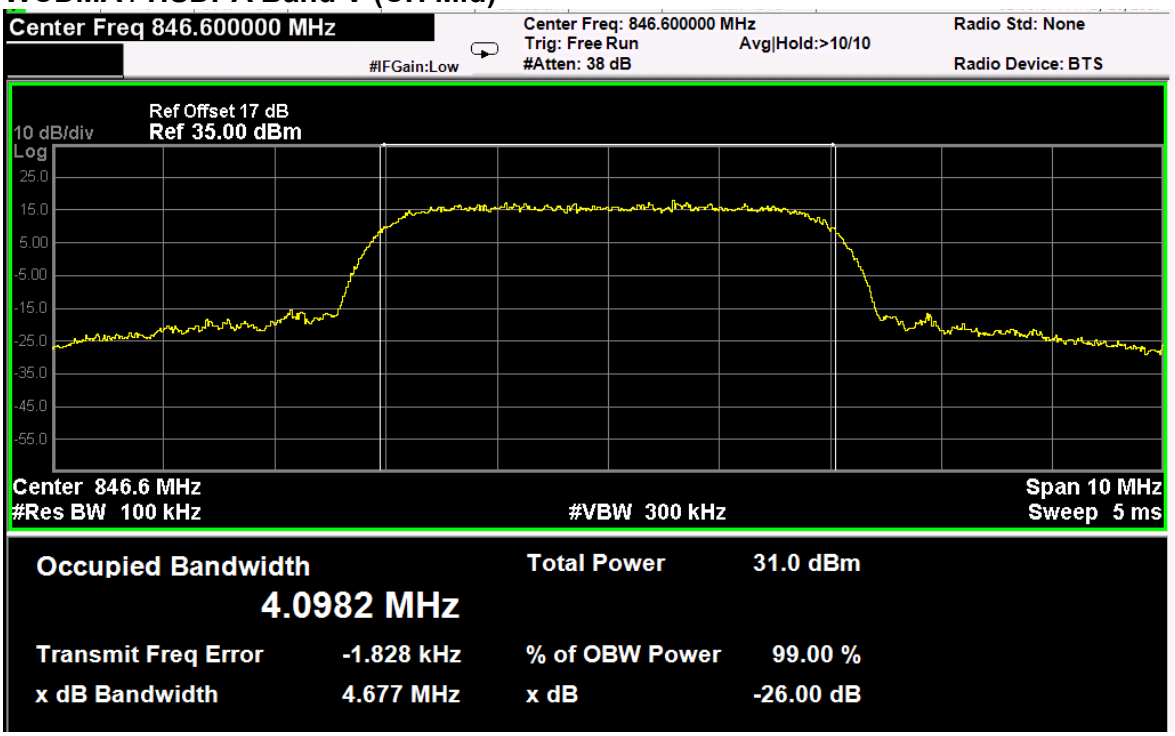
WCDMA / HSDPA Band II (CH High)



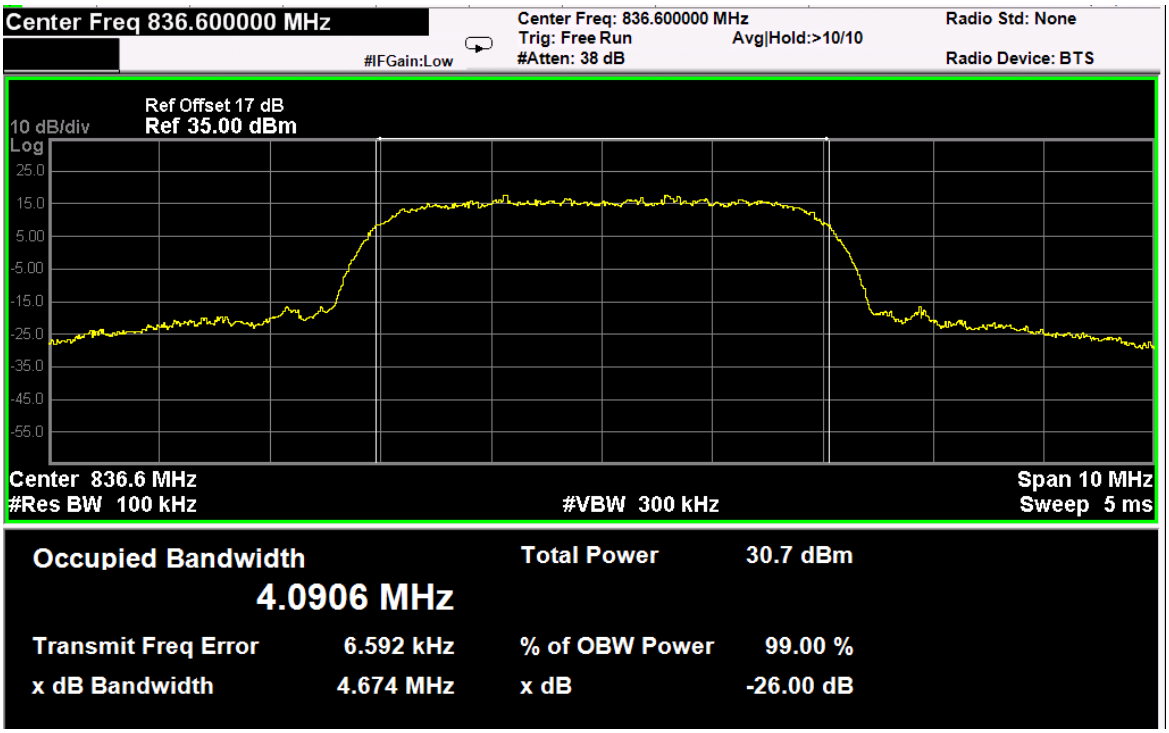
WCDMA / HSDPA Band V (CH Low)



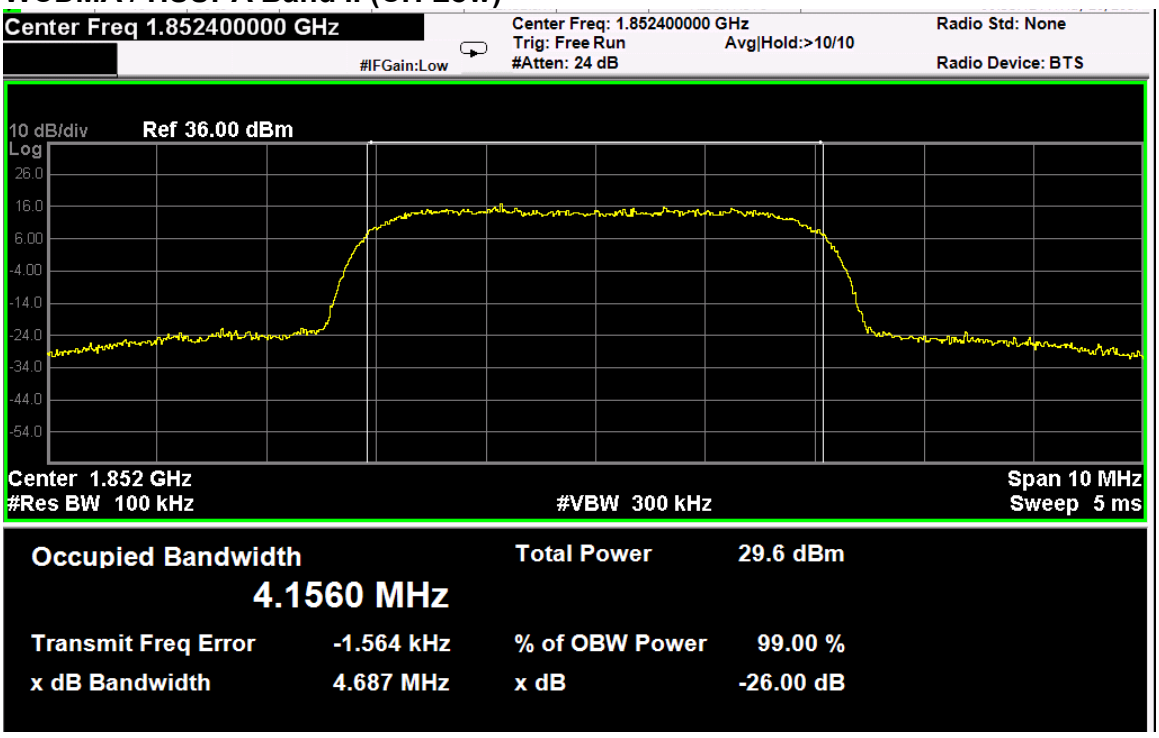
WCDMA / HSDPA Band V (CH Mid)



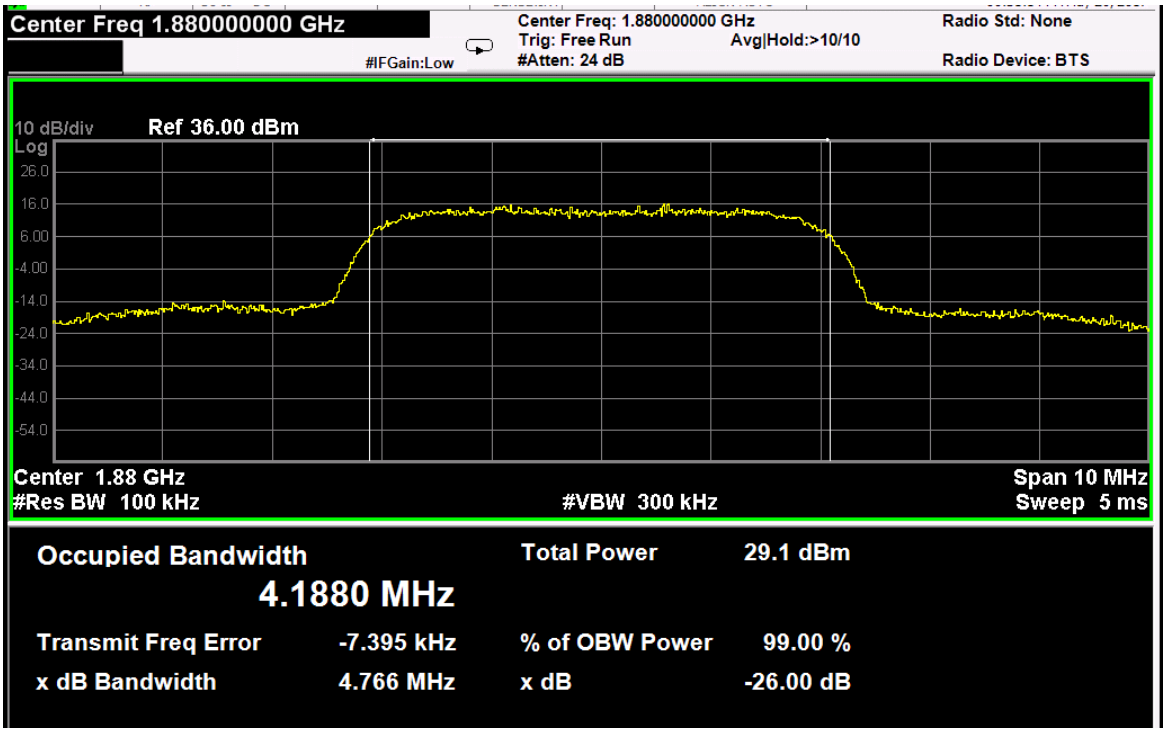
WCDMA / HSDPA Band V (CH High)



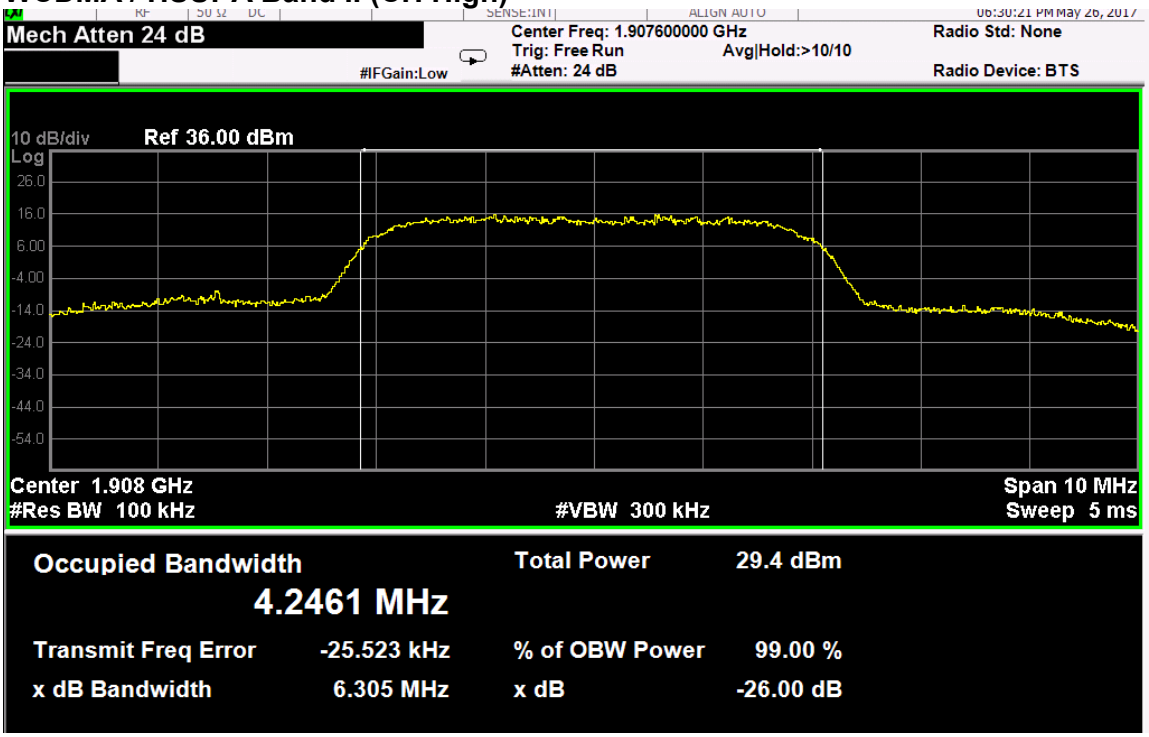
WCDMA / HSUPA Band II (CH Low)



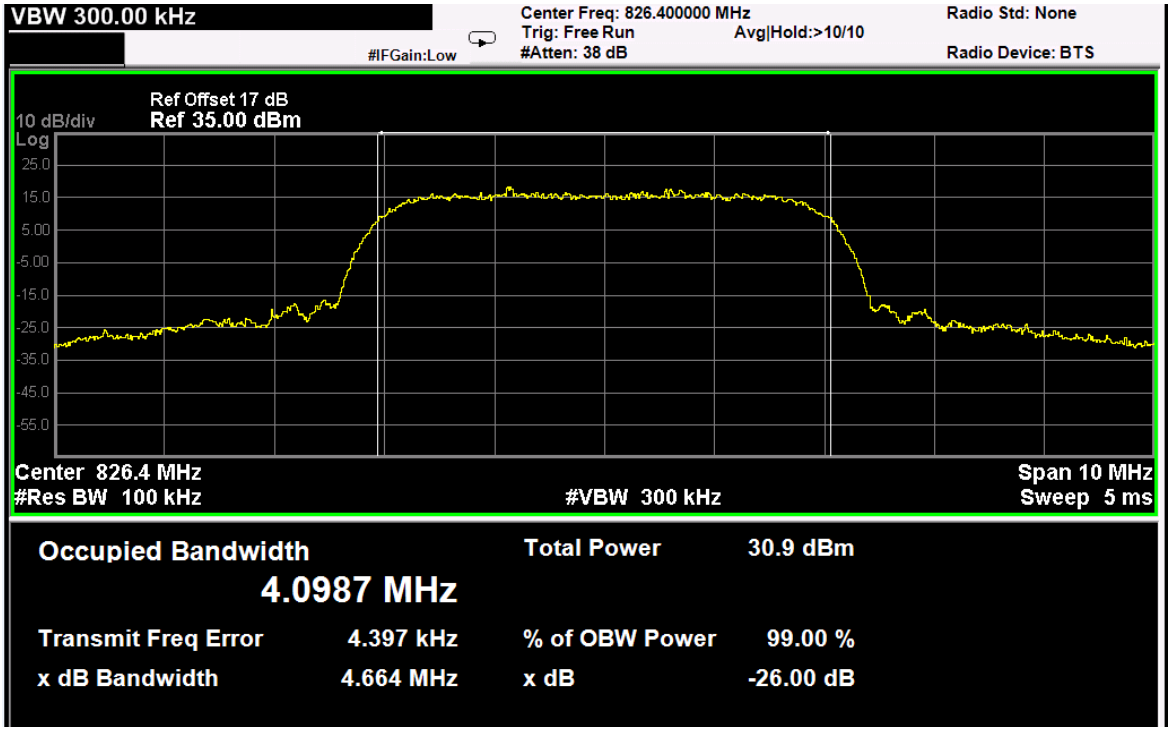
WCDMA / HSUPA Band II (CH Mid)



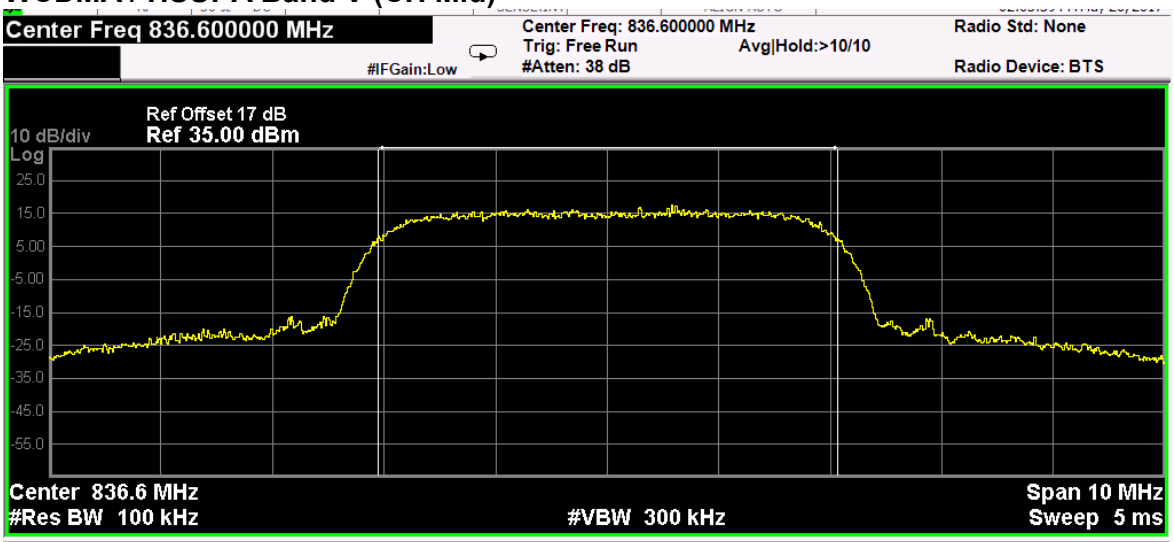
WCDMA / HSUPA Band II (CH High)



WCDMA / HSUPA Band V (CH Low).

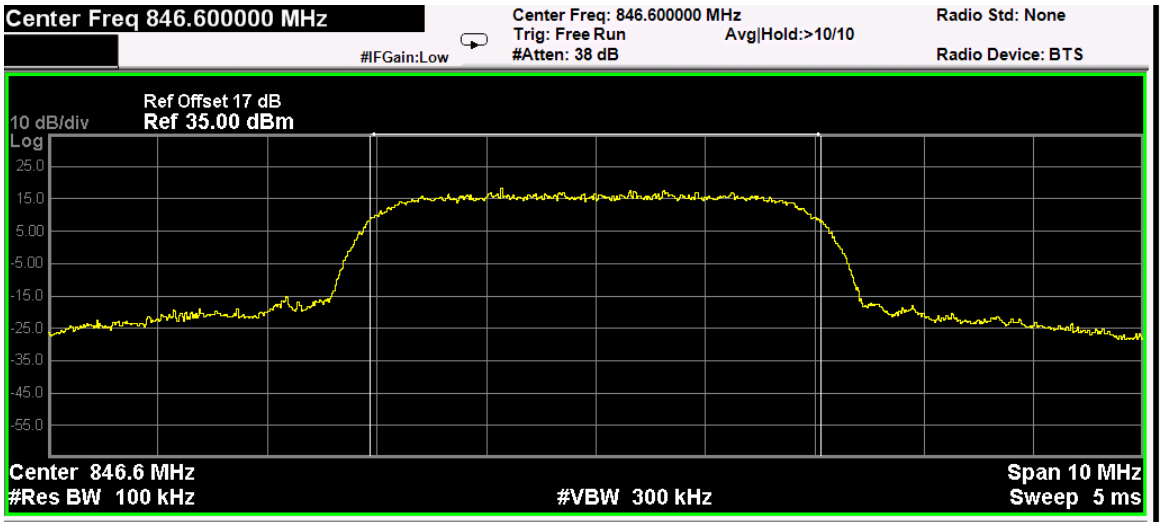


WCDMA / HSUPA Band V (CH Mid)



Occupied Bandwidth		**Total Power**	**30.1 dBm**
4.1005 MHz			
Transmit Freq Error	**8.606 kHz**	**% of OBW Power**	**99.00 %**
x dB Bandwidth	**4.657 MHz**	**x dB**	**-26.00 dB**

WCDMA / HSUPA Band V (CH High)



Occupied Bandwidth		**Total Power**	**31.0 dBm**
4.1076 MHz			
Transmit Freq Error	**-838 Hz**	**% of OBW Power**	**99.00 %**
x dB Bandwidth	**4.666 MHz**	**x dB**	**-26.00 dB**

5.1.4 Out of band emission at antenna terminals

RESULT: **Passed**

Test standard	:	FCC §2.1051, FCC §22.917, FCC §24.238(a)
Basic standard	:	FCC Part 22 & 24
Limit	:	Out of Band Emissions: The mean power of emission must be attenuated below the mean power of the non-modulated carrier (P) on any frequency twice or more than twice the fundamental frequency by at lease 43 + 10 log P dB. Mobile Emissions in Base Frequency Range: The mean power of any emissions appearing in the base station frequency range from cellular mobile transmitters operated must be attenuated to a level not exceed –80 dBm at the transmit antenna connector. Band Edge Requirements: In the 1MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at lease 1% of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the Out of band Emission
Kind of test site	:	Shielded room

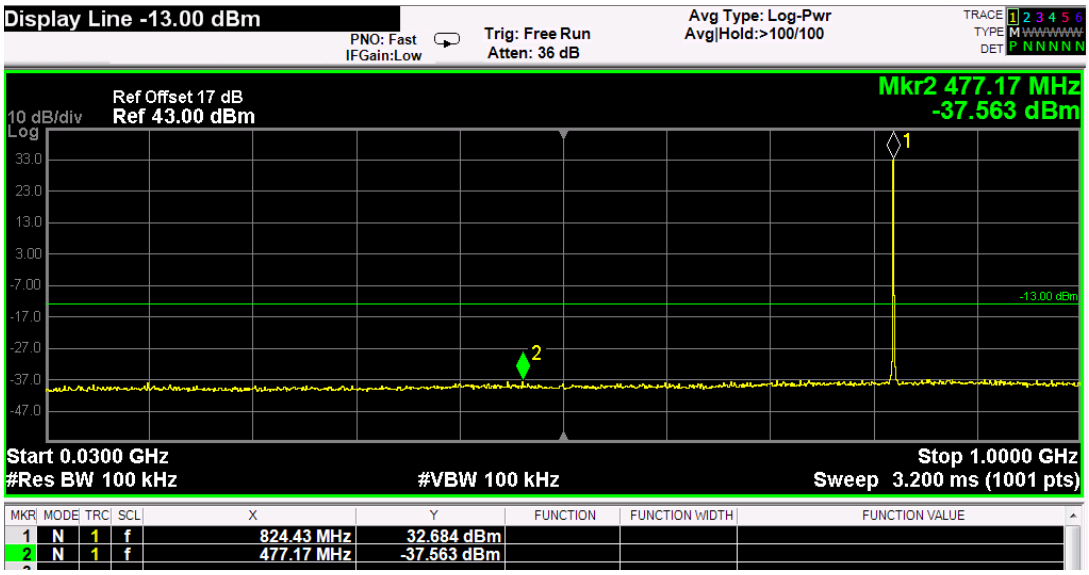
Test setup

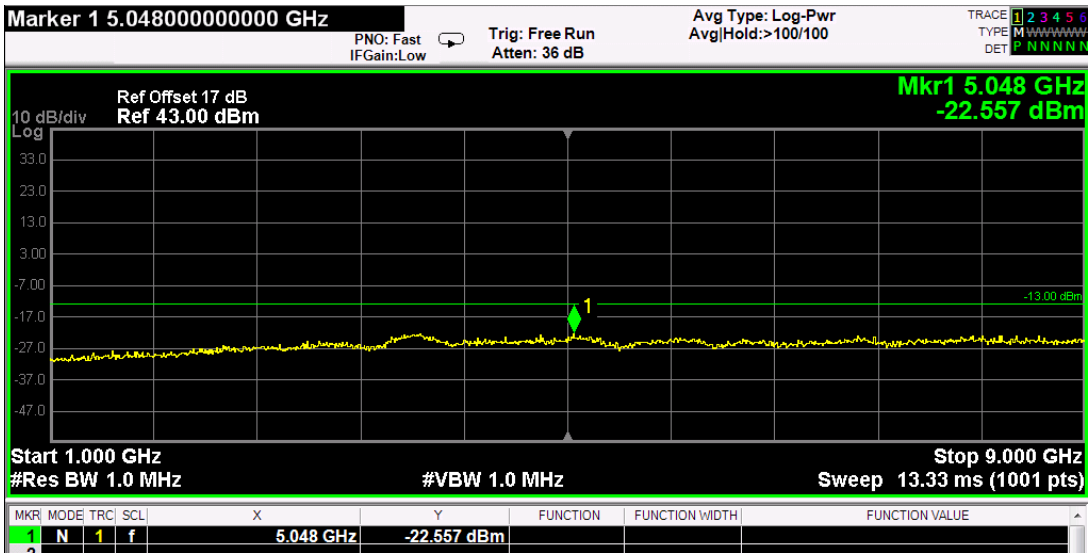
Test Channel	:	Low/ Middle/ High
Operation mode	:	A
Ambient temperature	:	20-24°C
Relative humidity	:	50-65%
Atmospheric pressure	:	100-103 kPa

Test Plot of Out of Band emissions

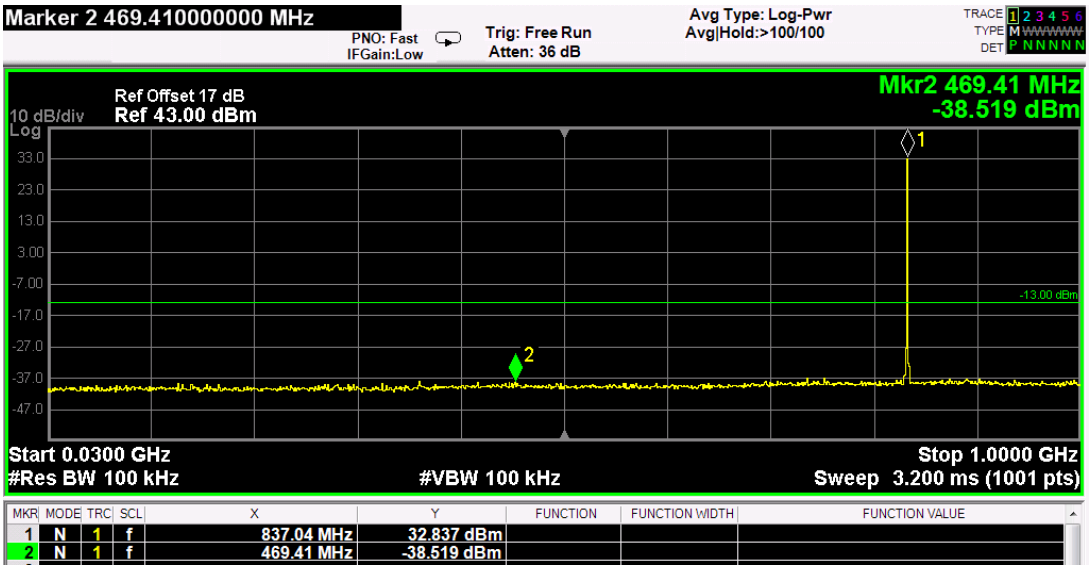
GPRS 850

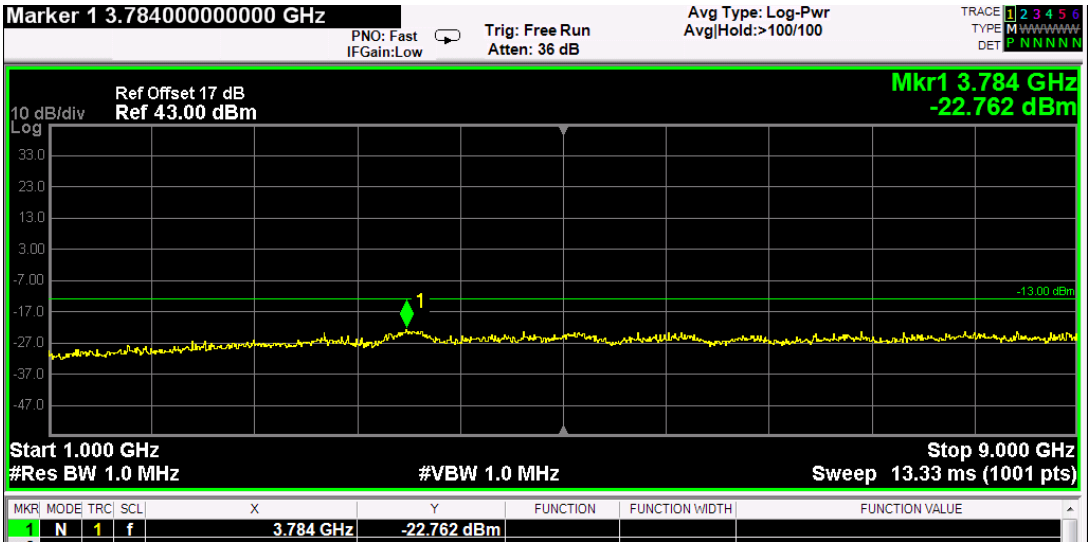
Out of Band emission at antenna terminals – GPRS CH Low



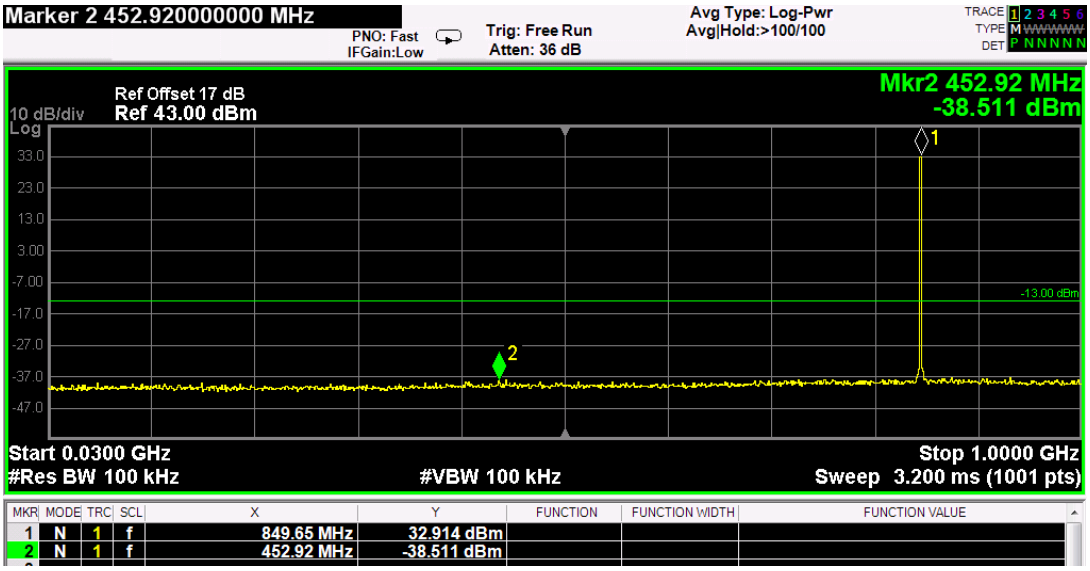


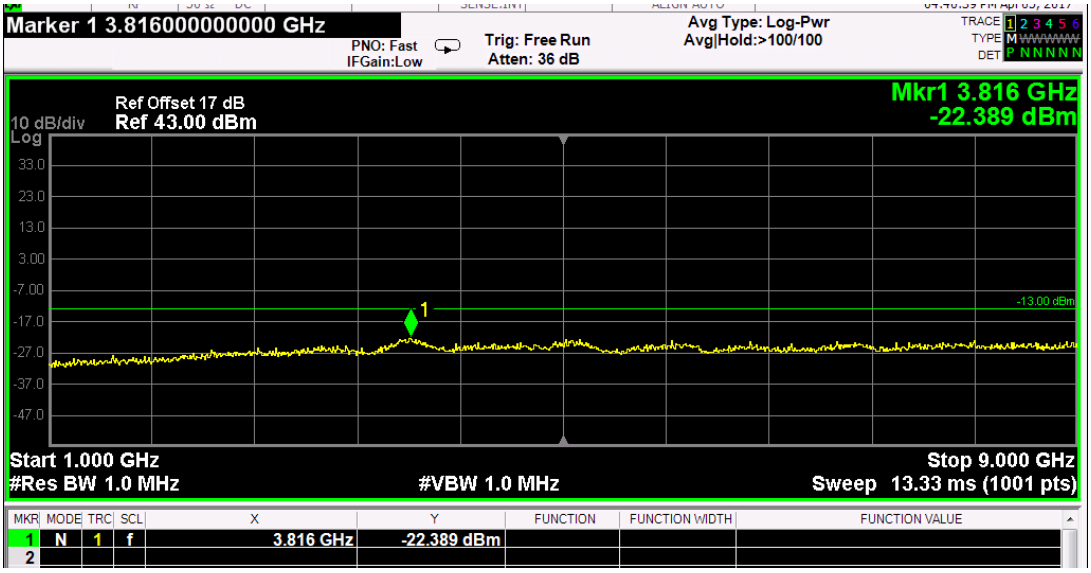
Out of Band emission at antenna terminals – GPRS CH Mid





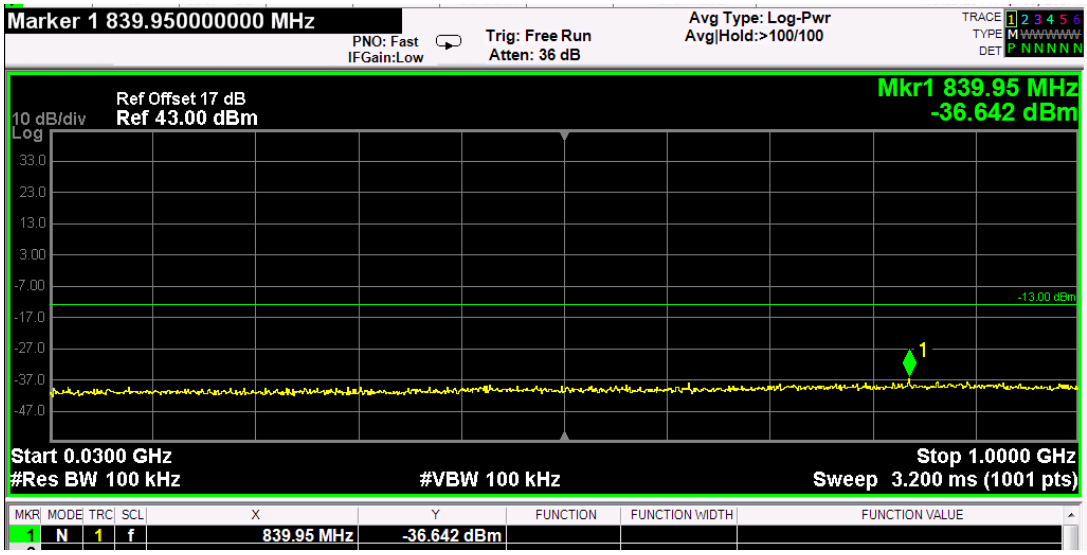
Out of Band emission at antenna terminals – GPRS CH High

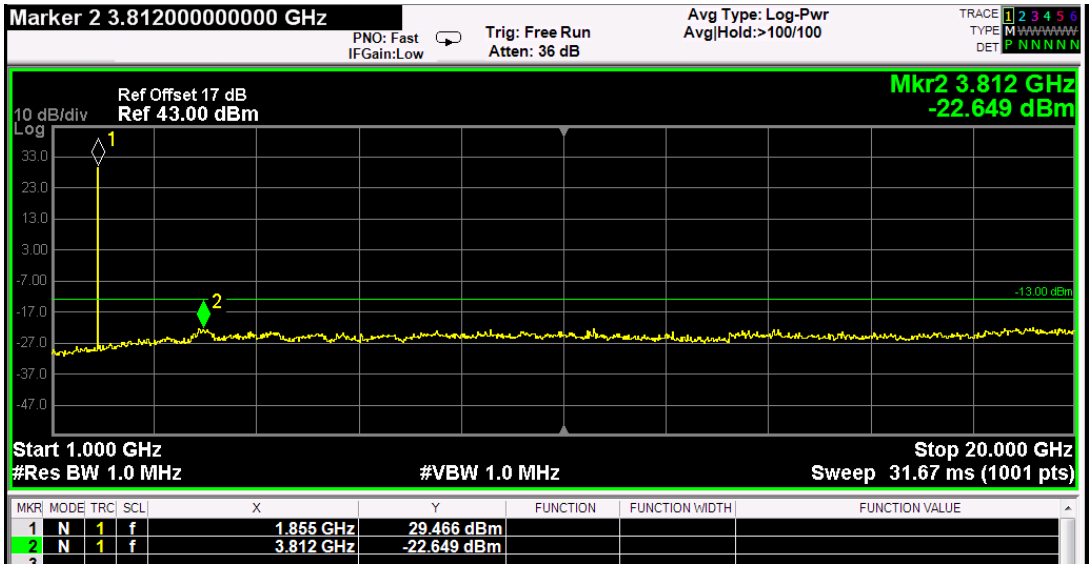




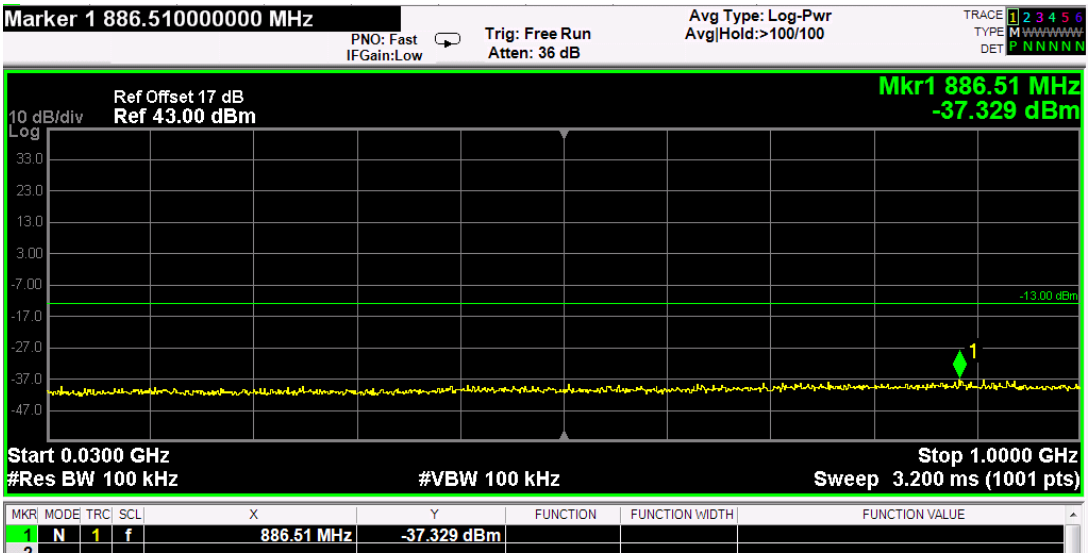
GPRS 1900

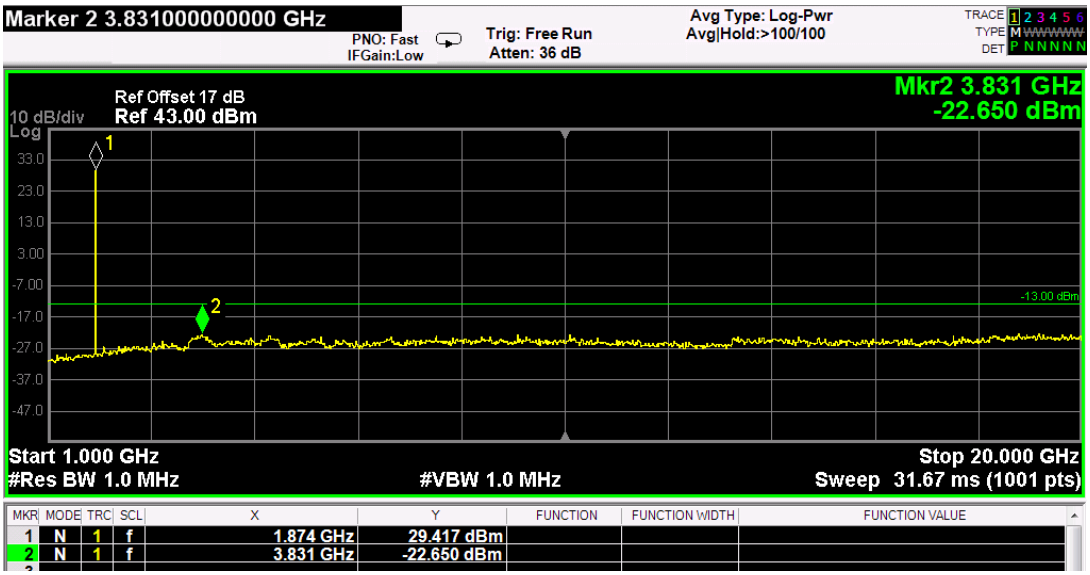
Out of Band emission at antenna terminals – GSM CH Low



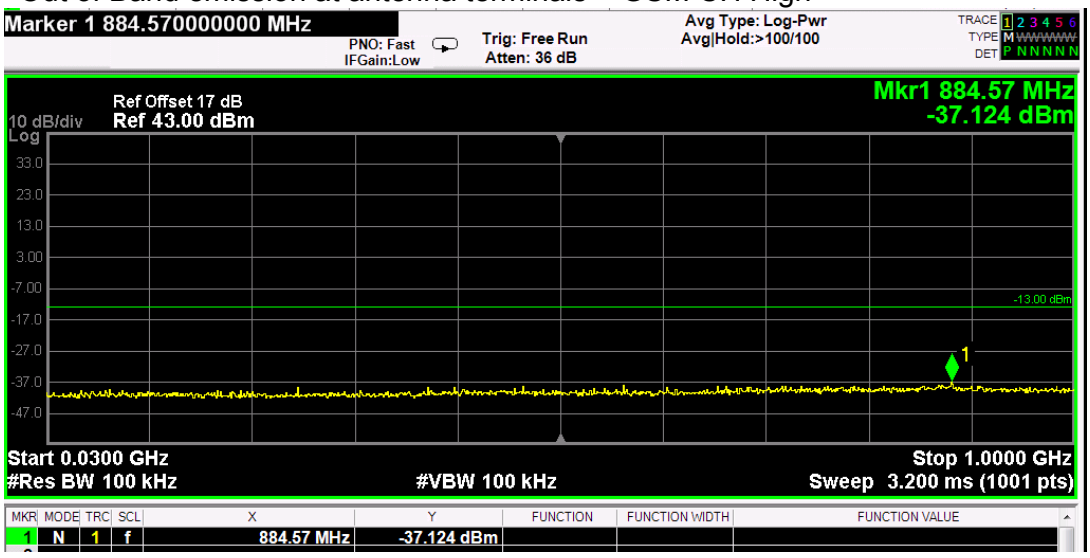


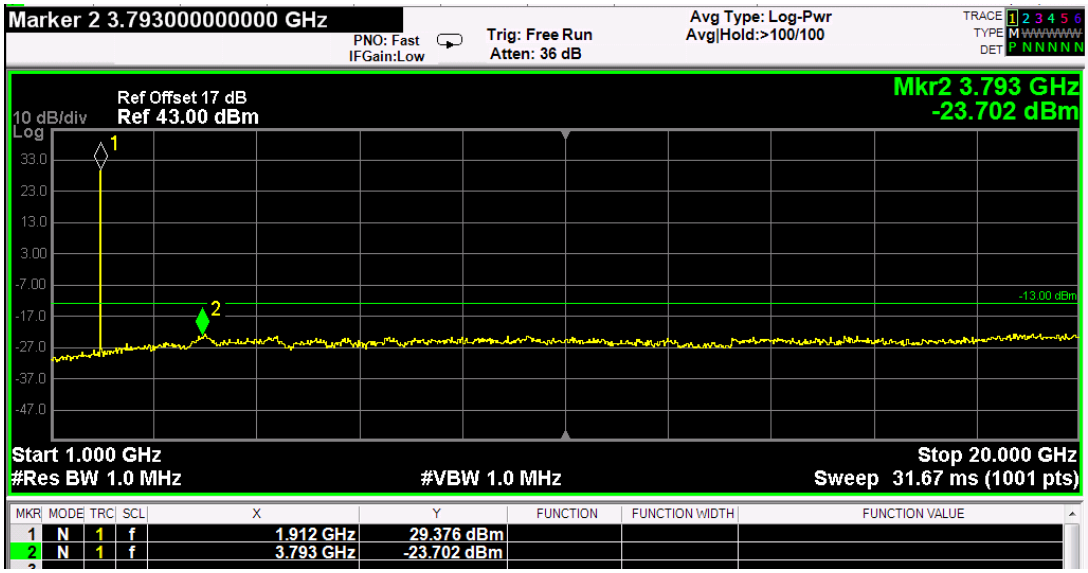
Out of Band emission at antenna terminals – GSM CH Mid





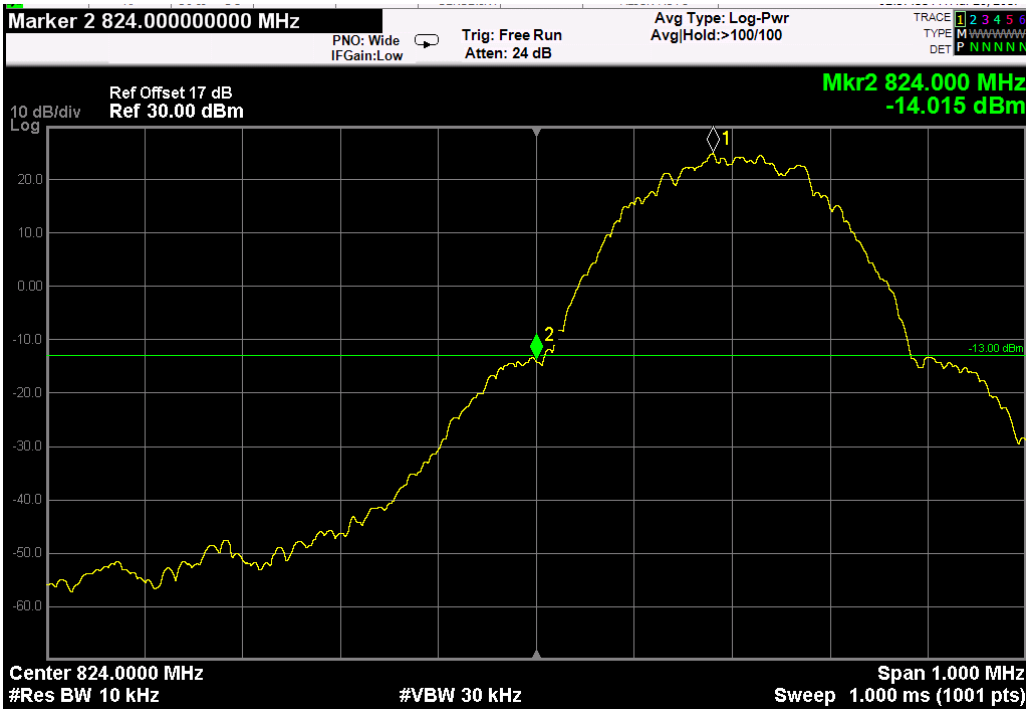
Out of Band emission at antenna terminals – GSM CH High



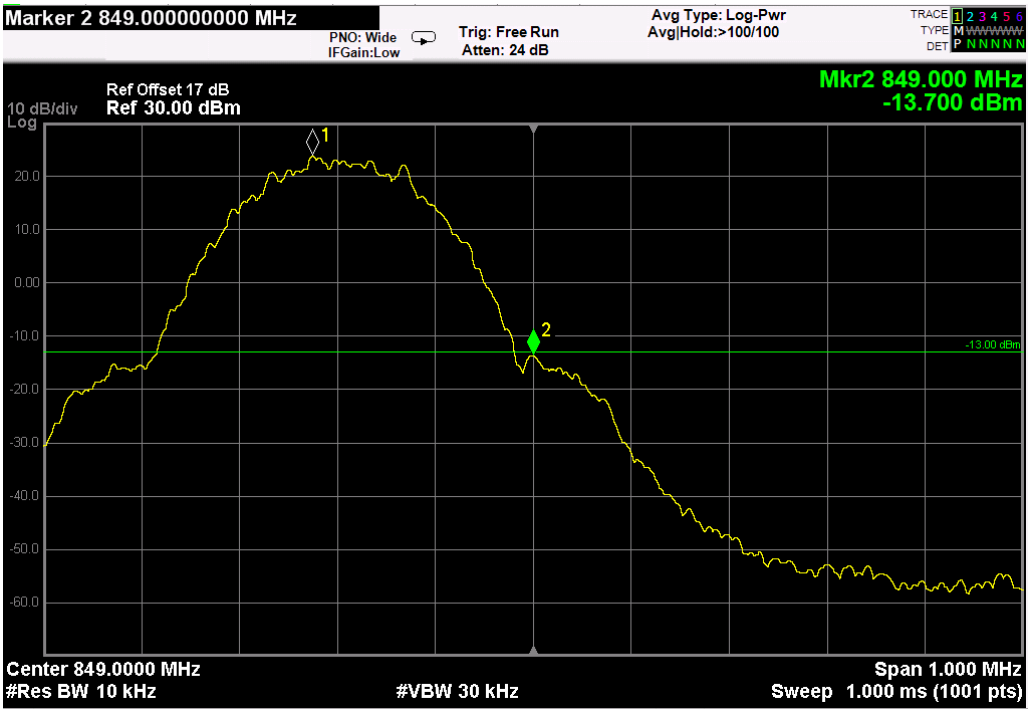


GPRS 850

Band Edge emissions – GPRS CH Low

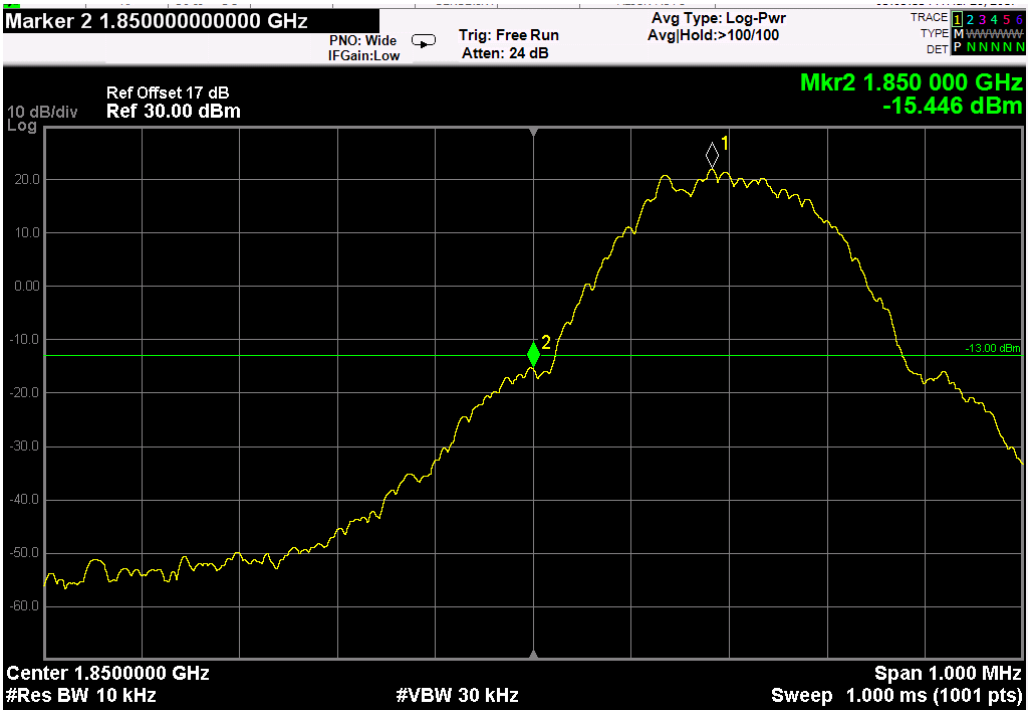


Band Edge emissions –GPRS CH High

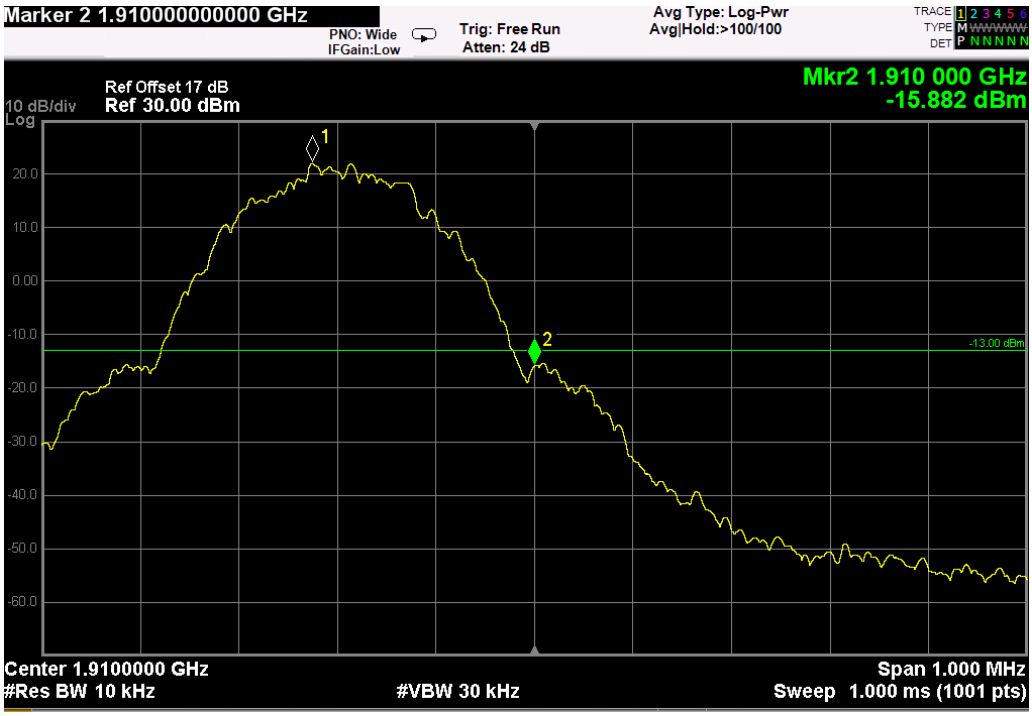


GPRS 1900

Band Edge emissions – GPRS CH Low

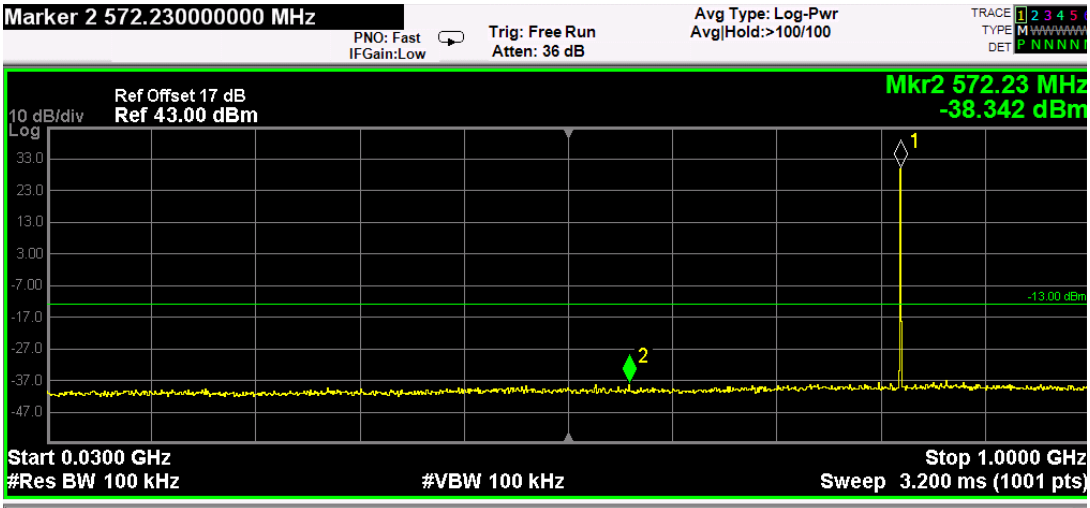


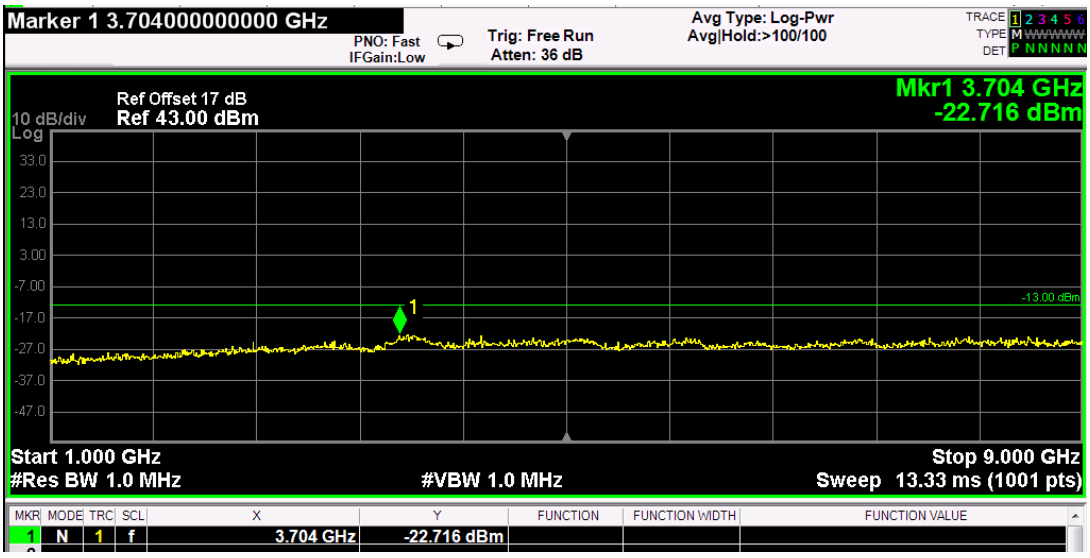
Band Edge emissions – GPRS CH High



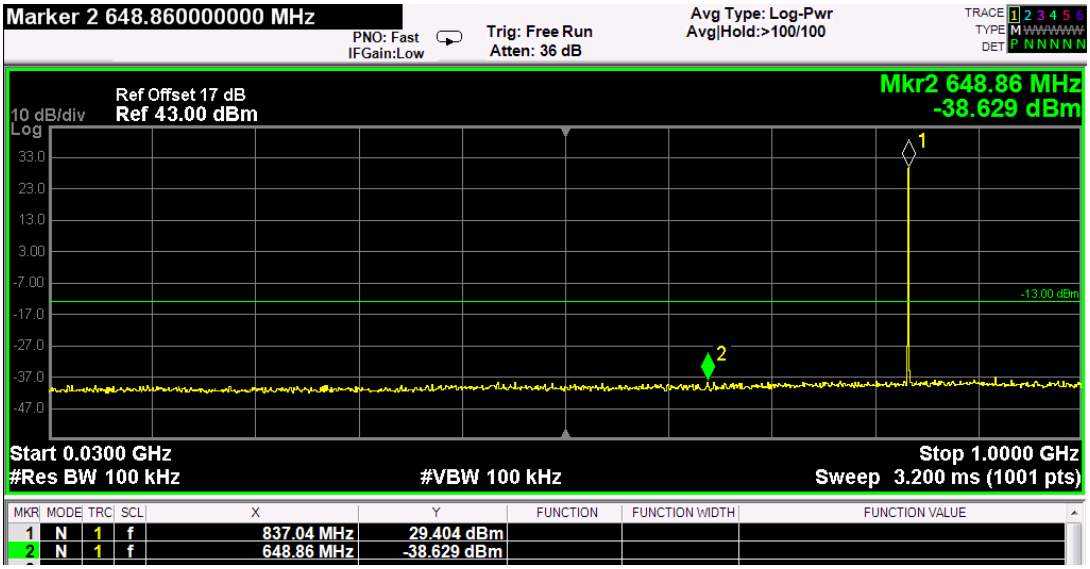
EDGE 850

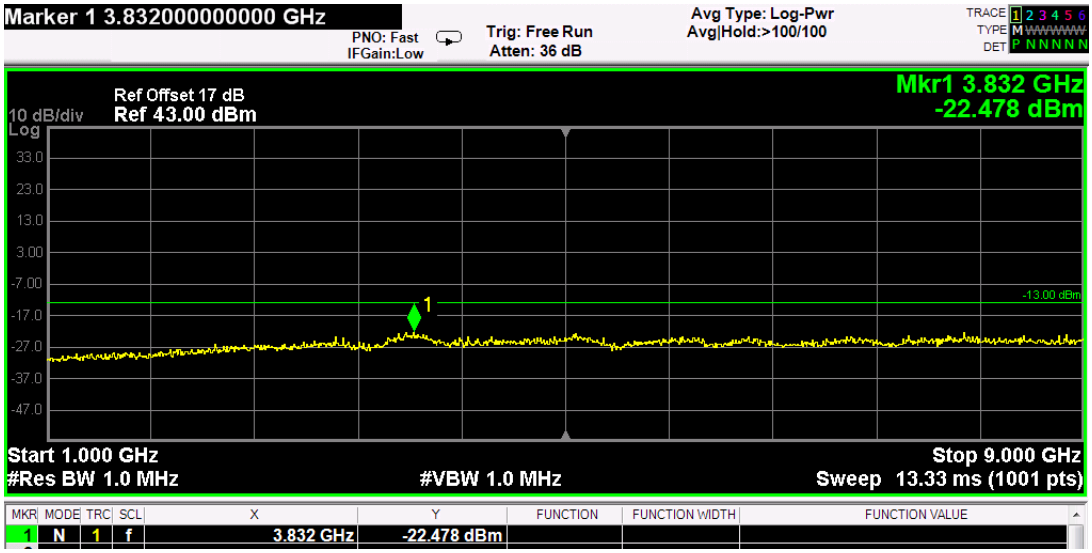
Out of Band emission at antenna terminals –EDGE CH Low



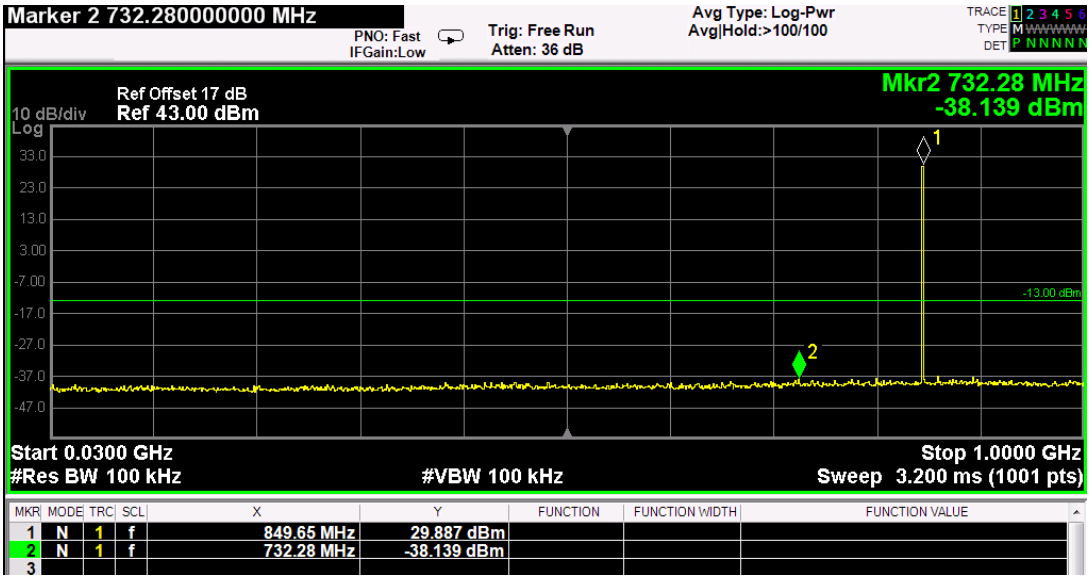


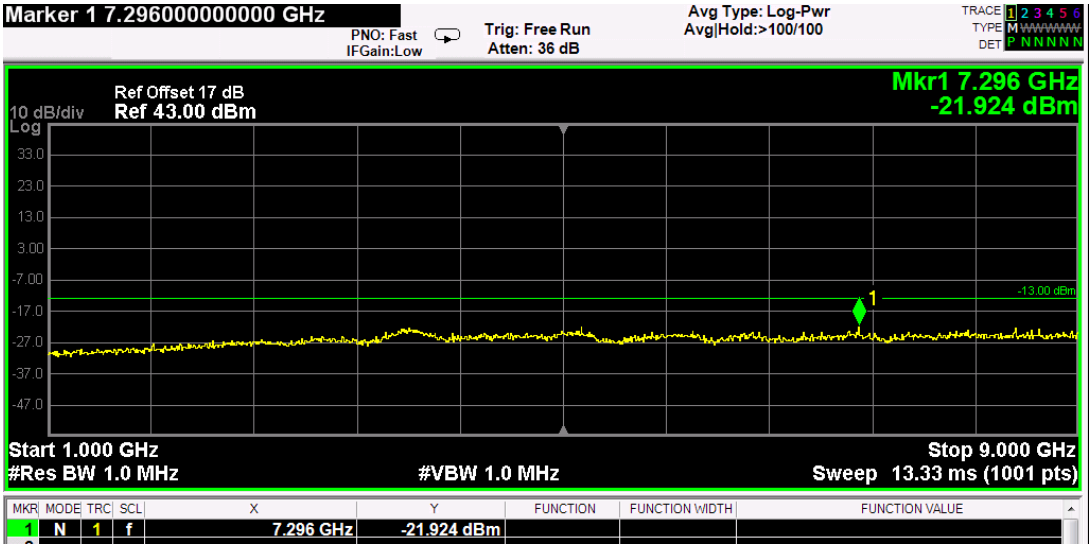
Out of Band emission at antenna terminals –EDGE CH Mid





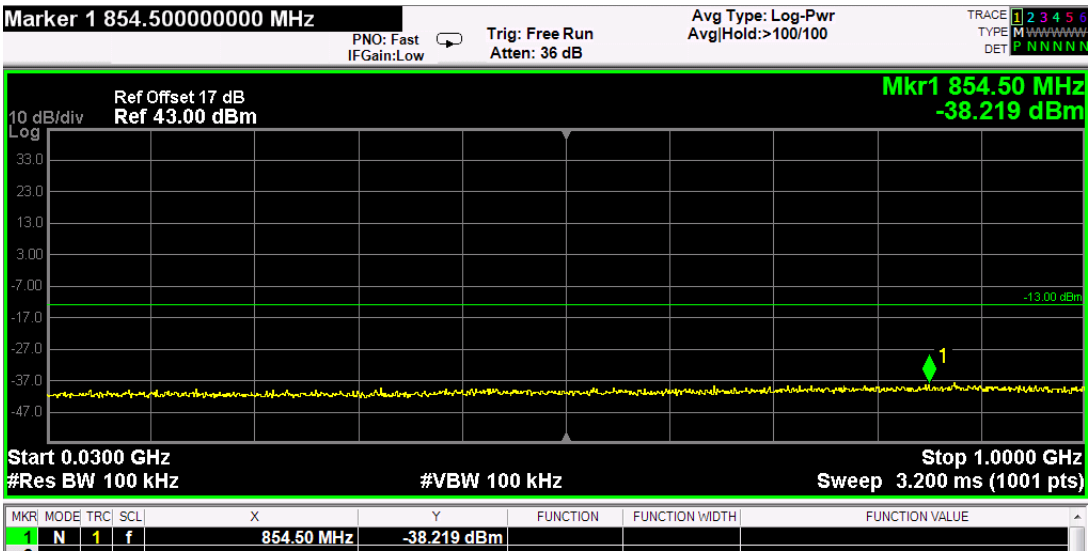
Out of Band emission at antenna terminals –EDGE CH High

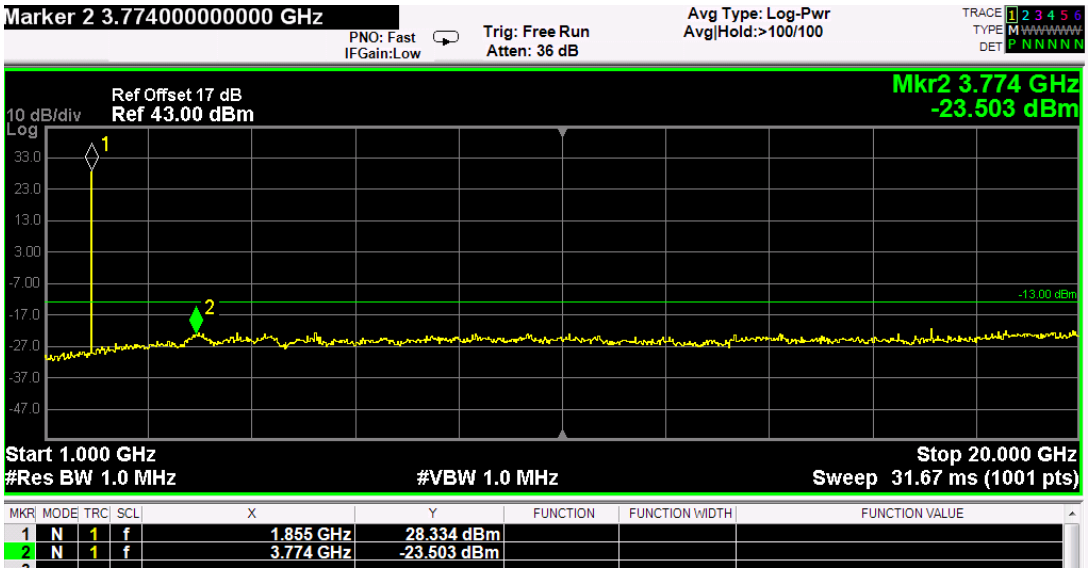




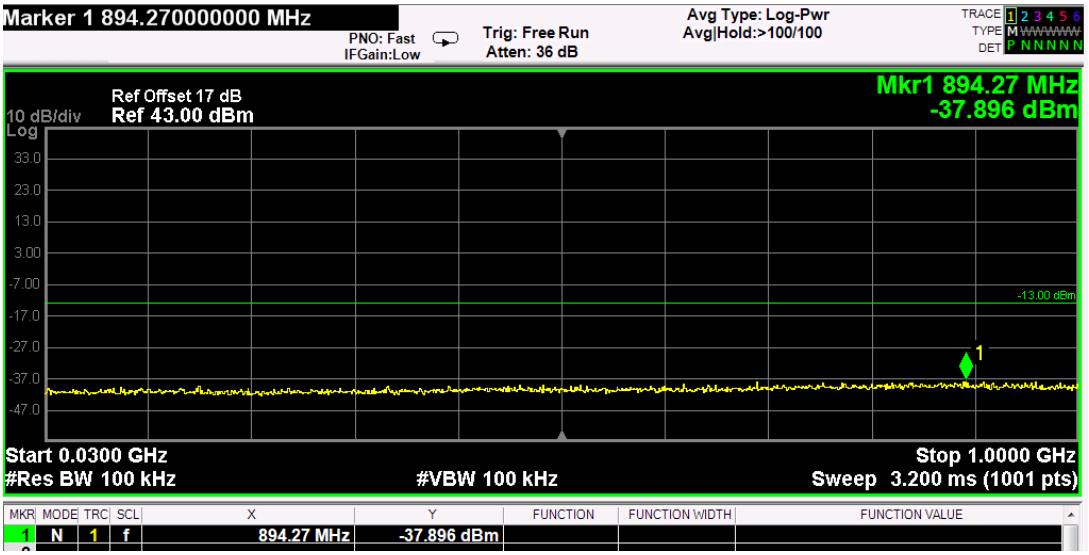
EDGE 1900

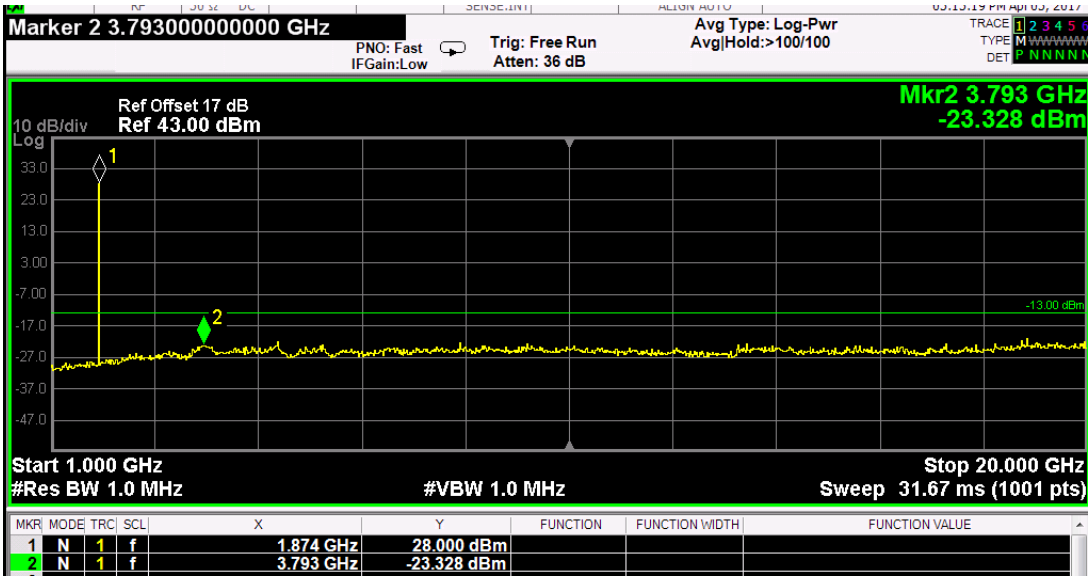
Out of Band emission at antenna terminals –EDGE CH Low



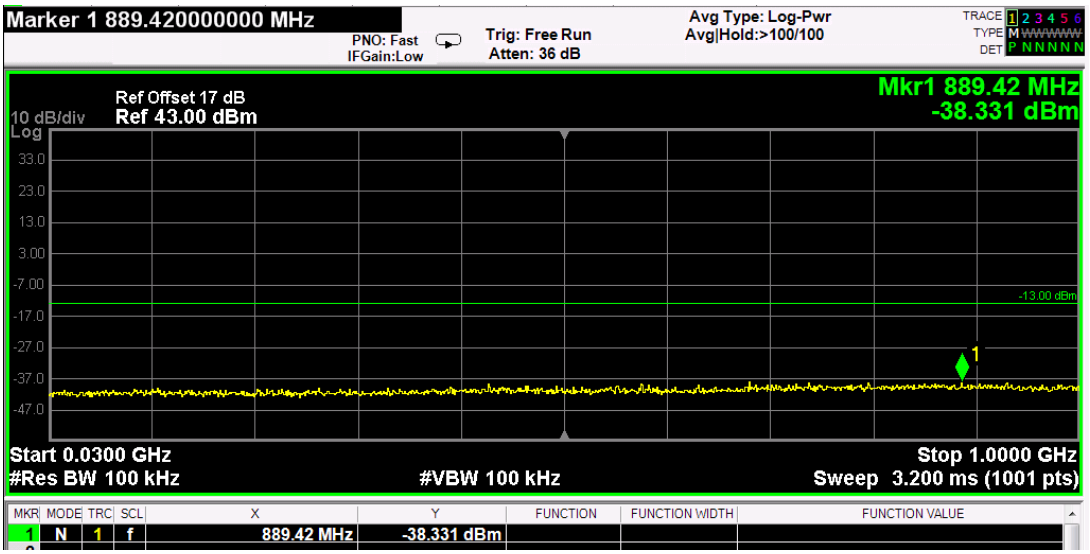


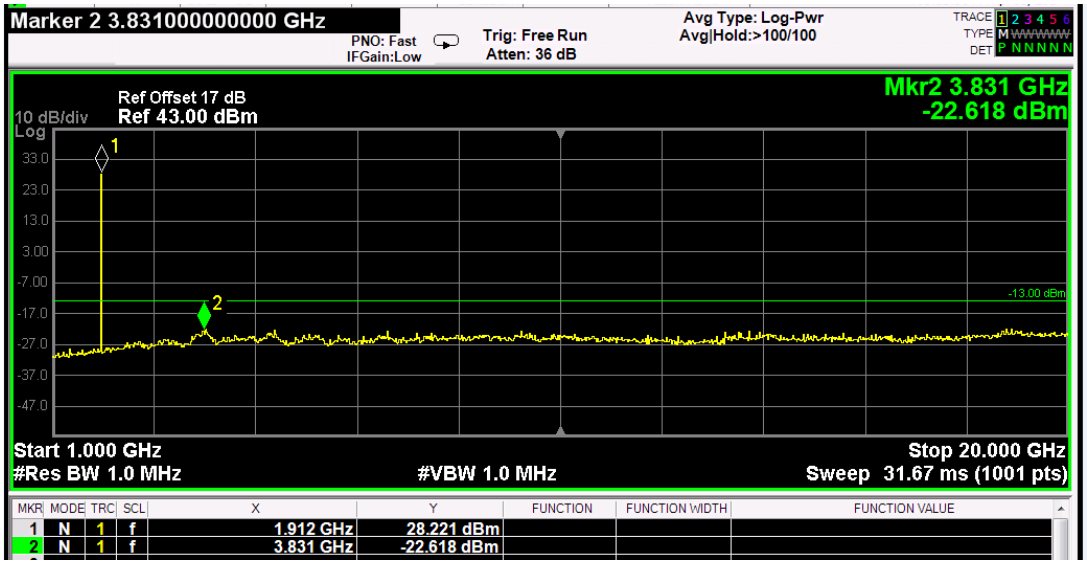
Out of Band emission at antenna terminals –EDGE CH Mid





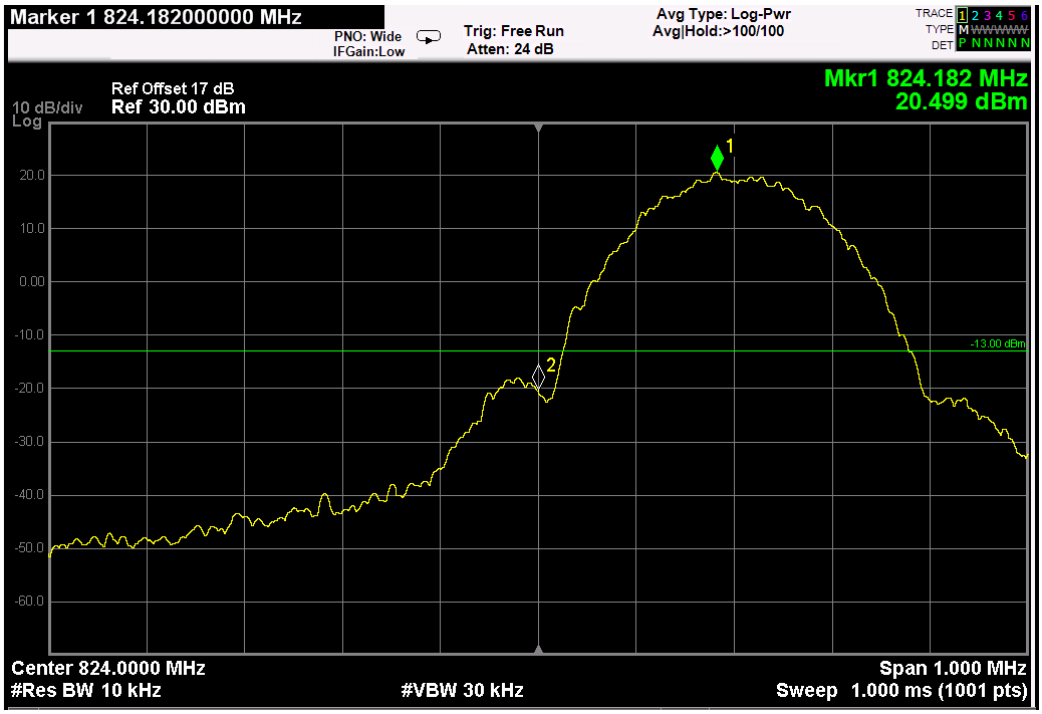
Out of Band emission at antenna terminals –EDGE CH High



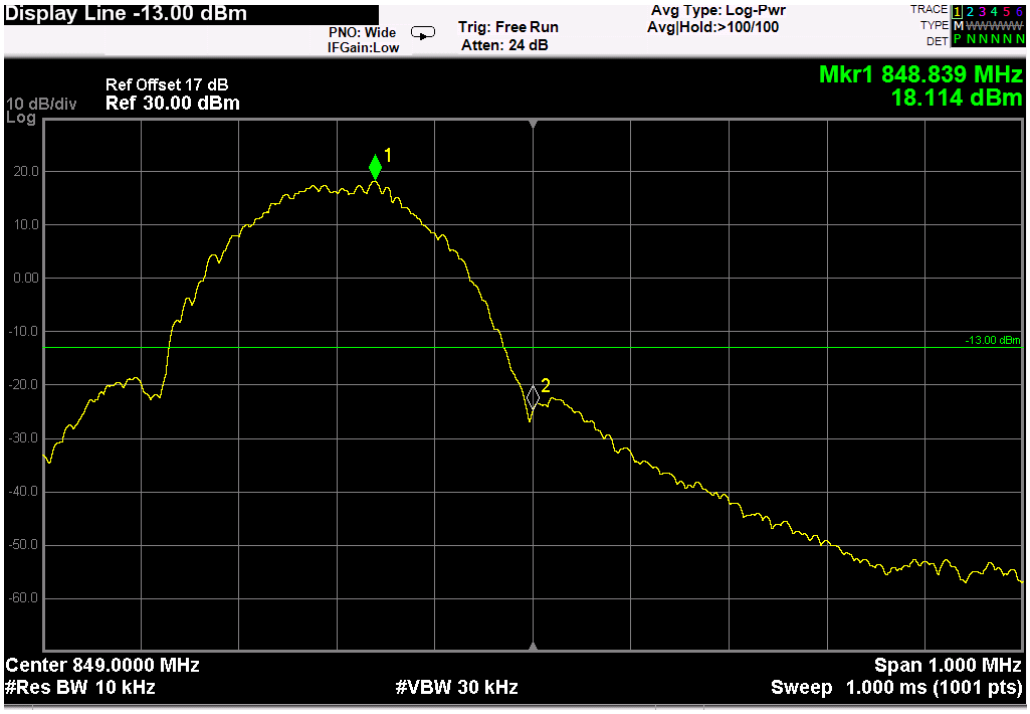


EDGE 850

Band Edge emissions – EDGE CH Low

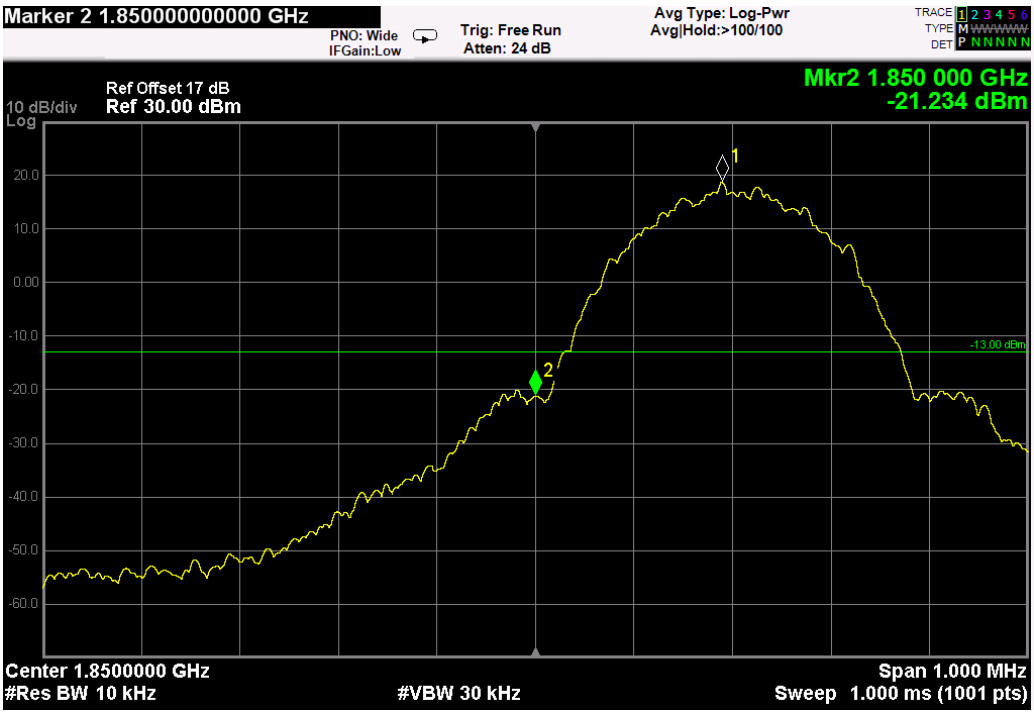


Band Edge emissions – EDGE CH High

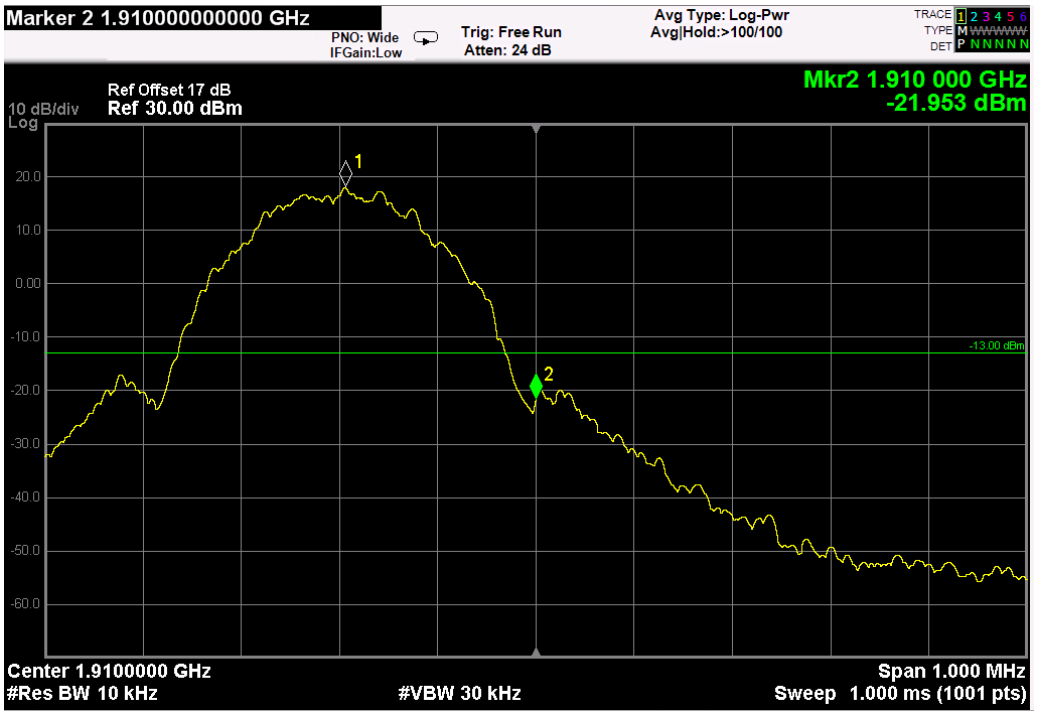


EDGE 1900

Band Edge emissions – EDGE CH Low

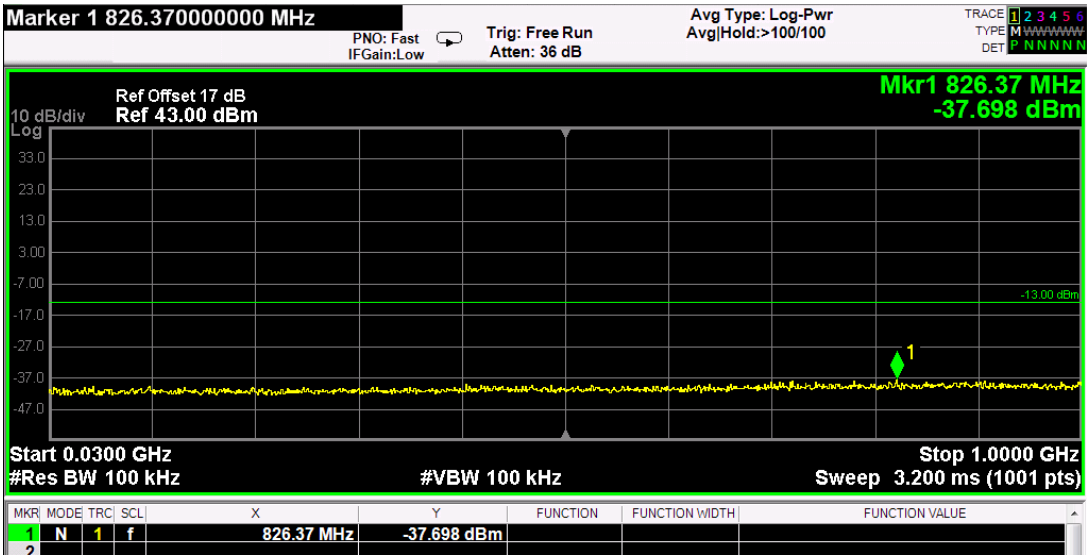


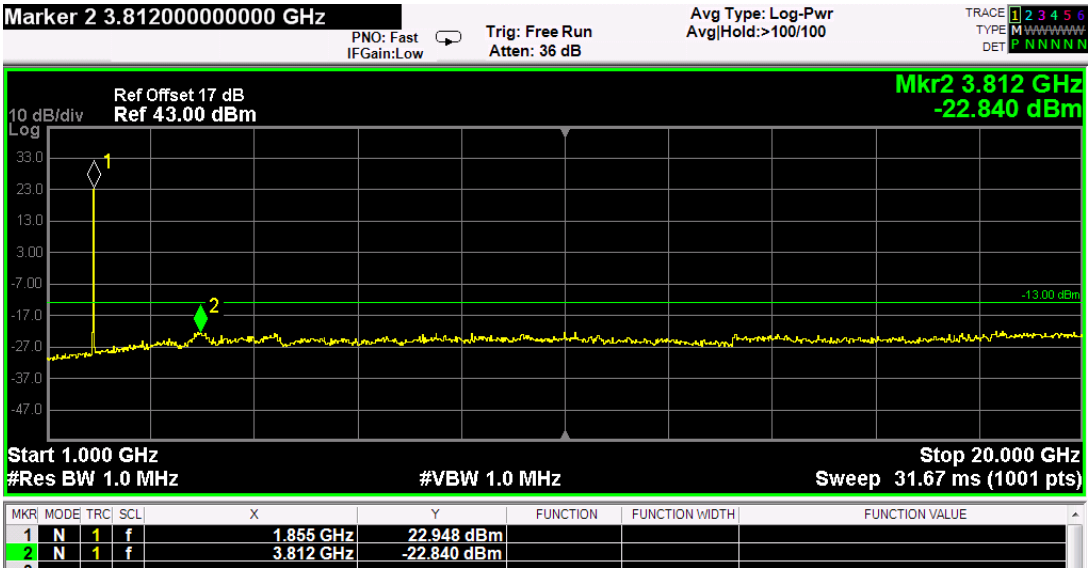
Band Edge emissions – EDGE CH High



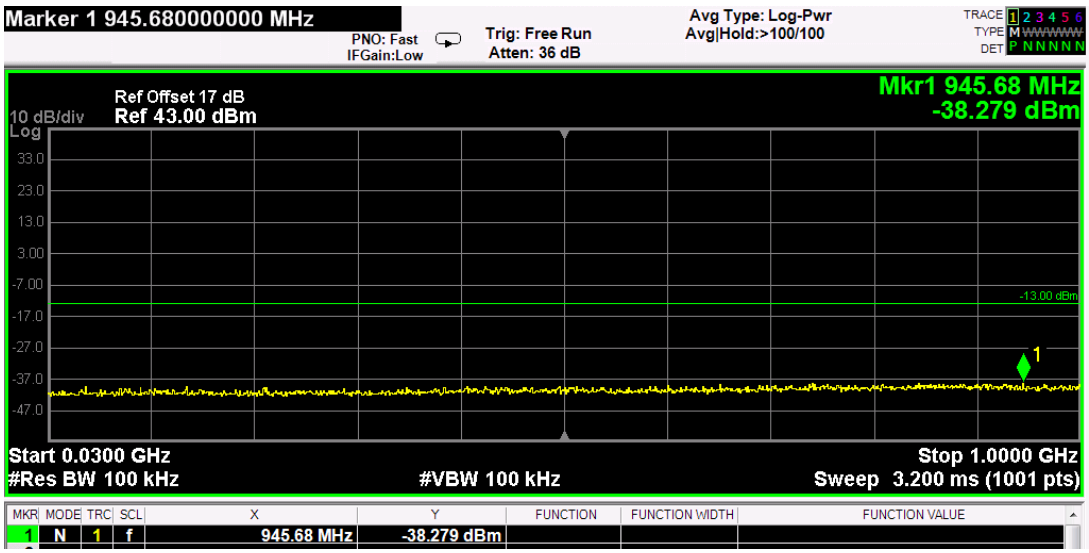
WCDMA Band II

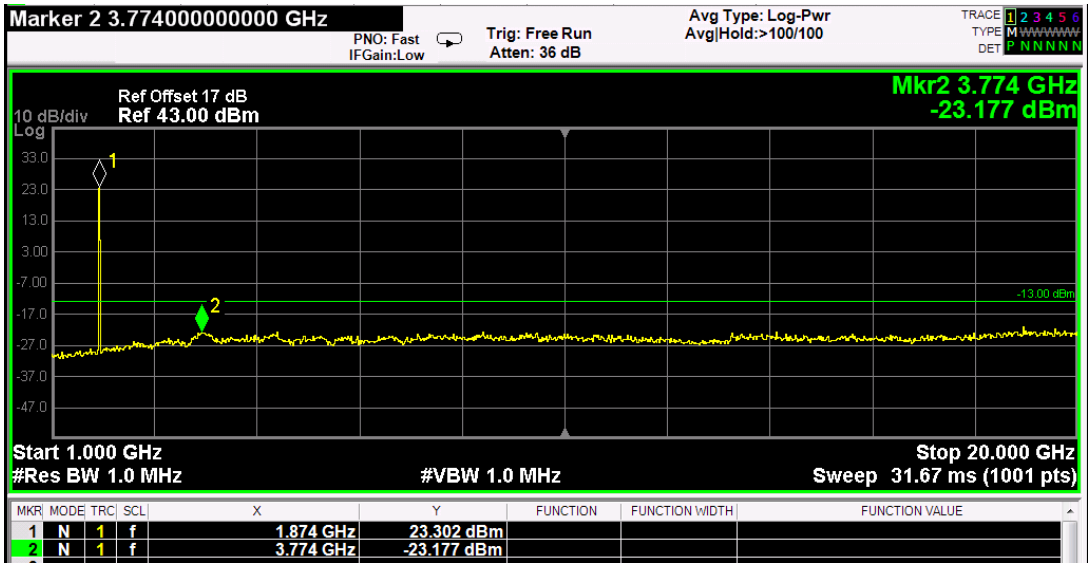
Out of Band emission at antenna terminals – WCDMA CH Low



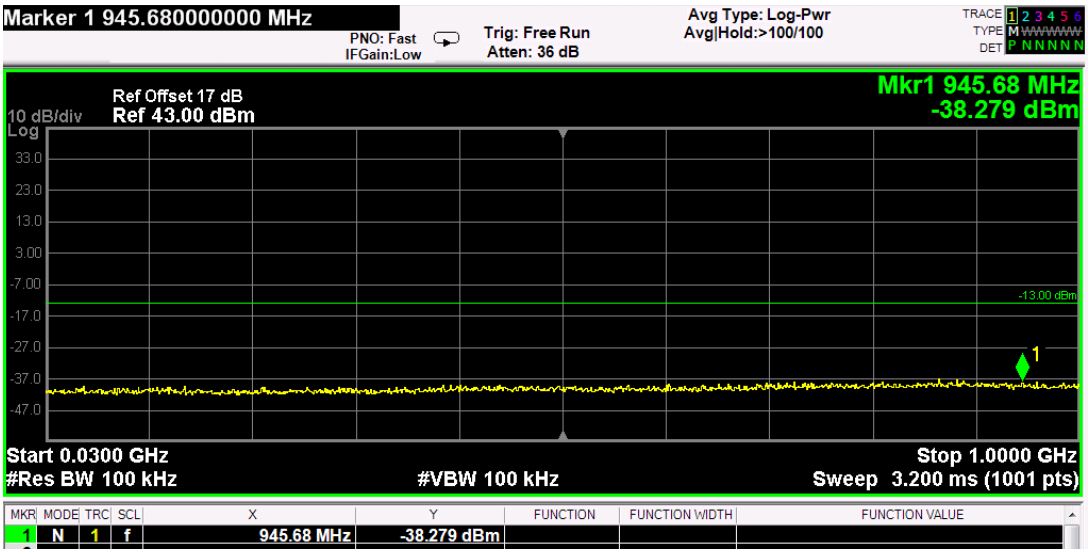


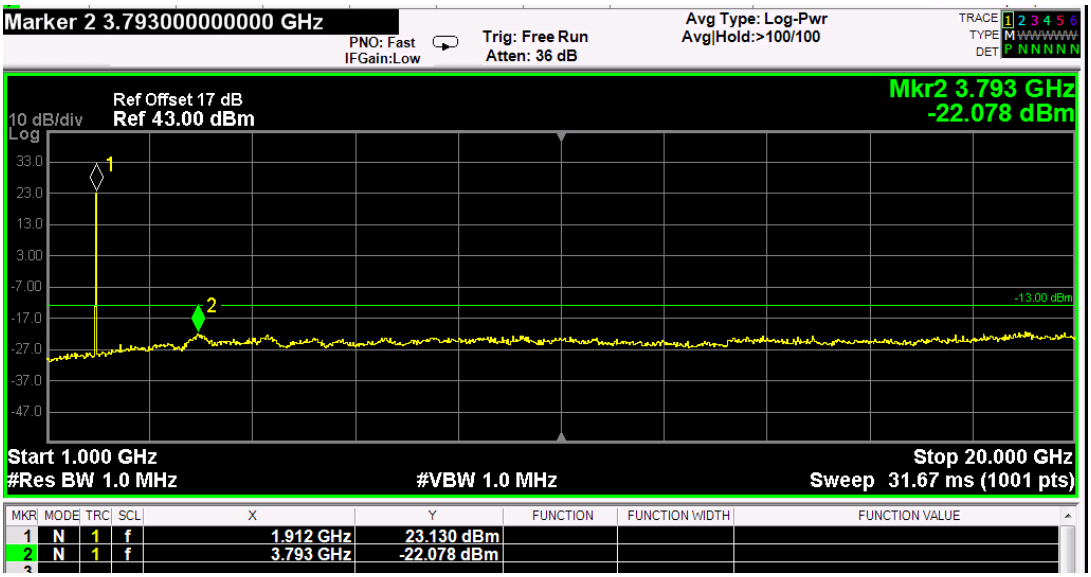
Out of Band emission at antenna terminals – WCDMA CH Mid





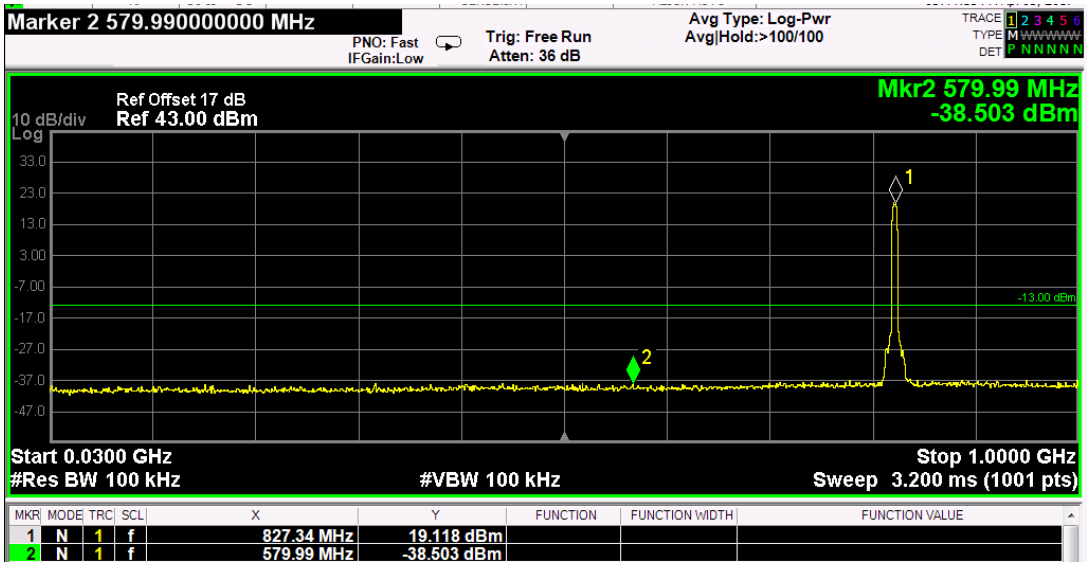
Out of Band emission at antenna terminals – WCDMA CH High

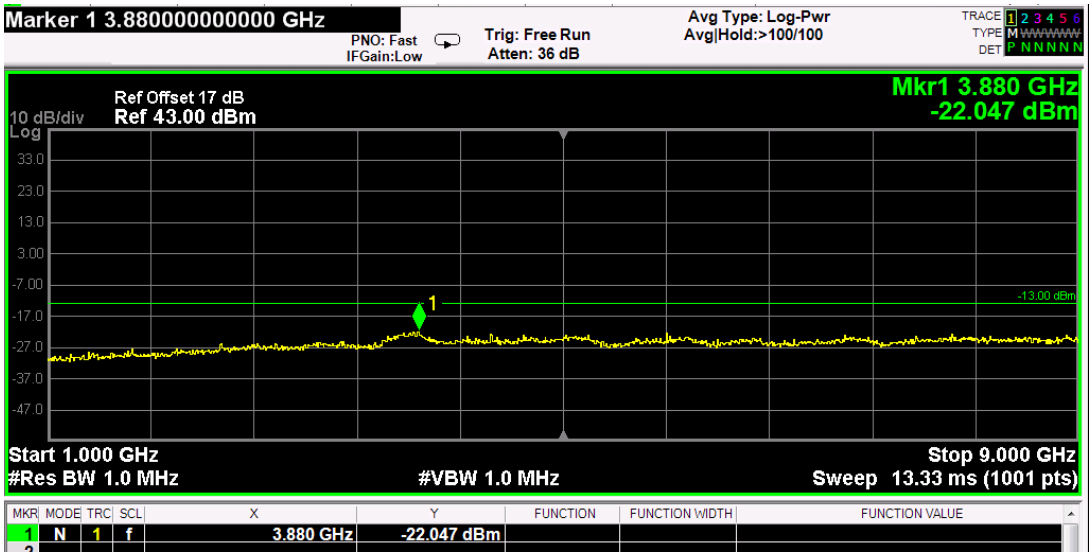




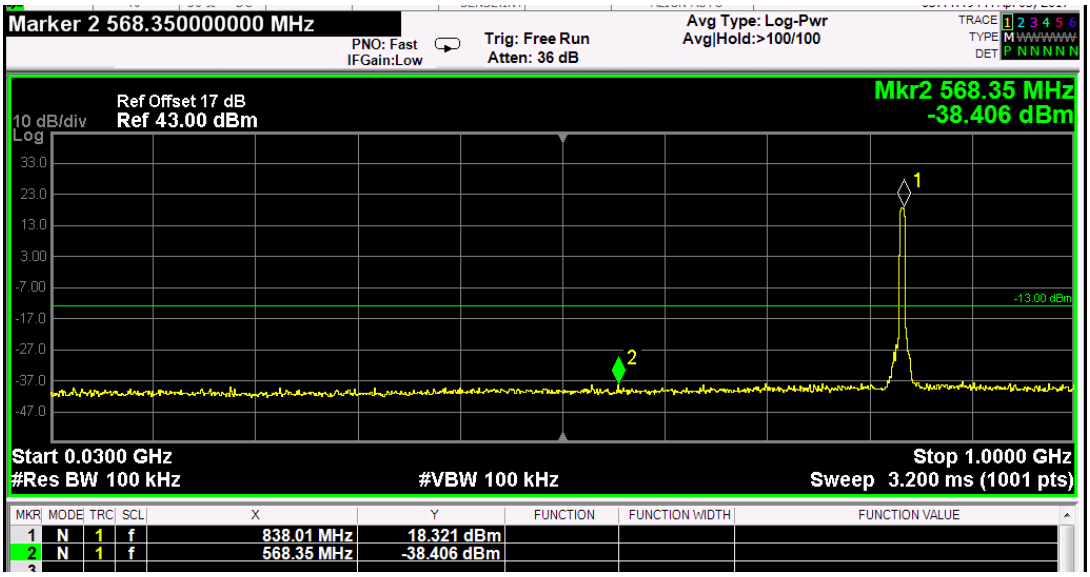
WCDMA Band V

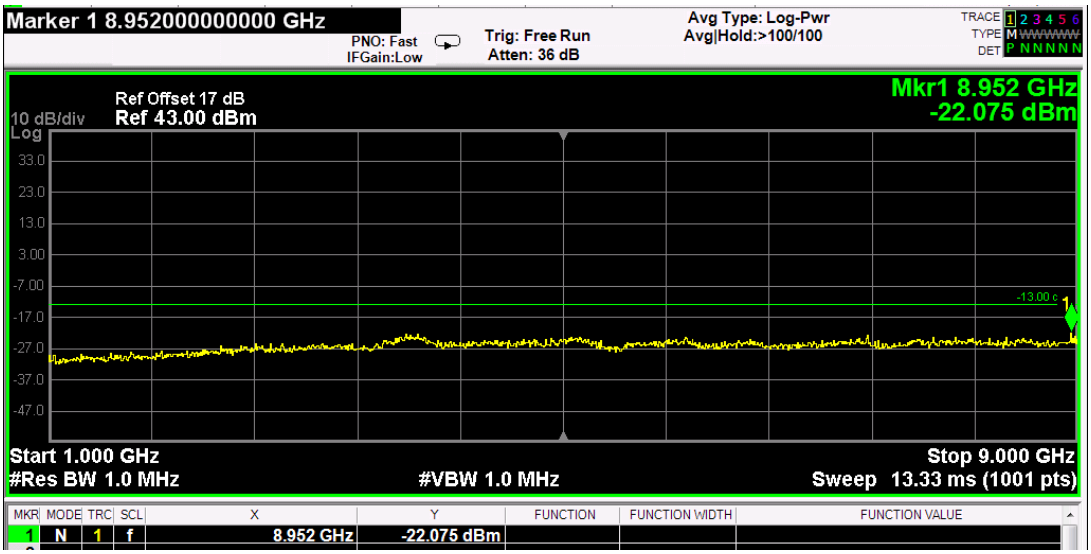
Out of Band emission at antenna terminals – WCDMA CH Low



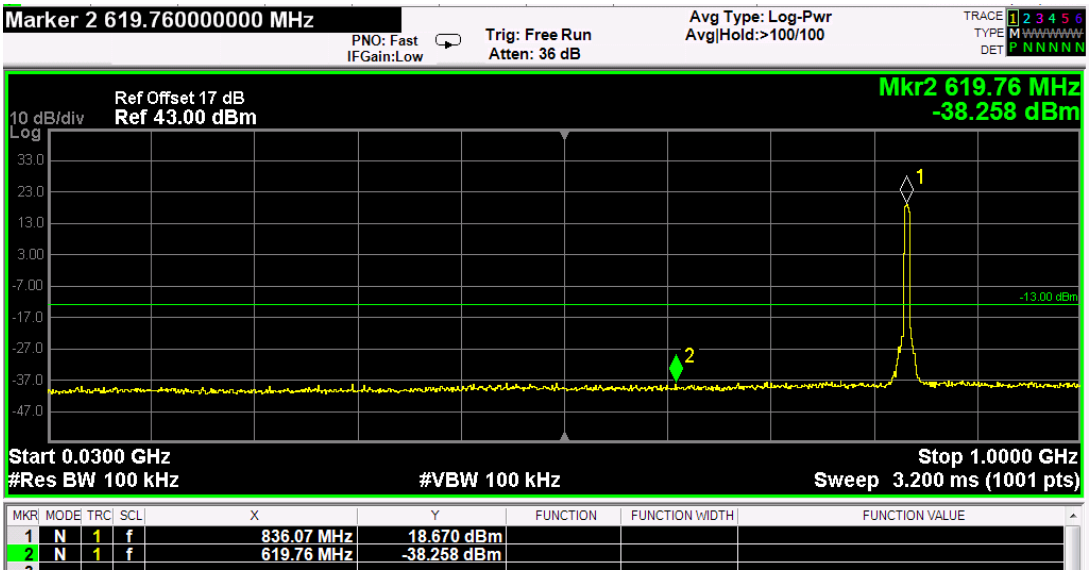


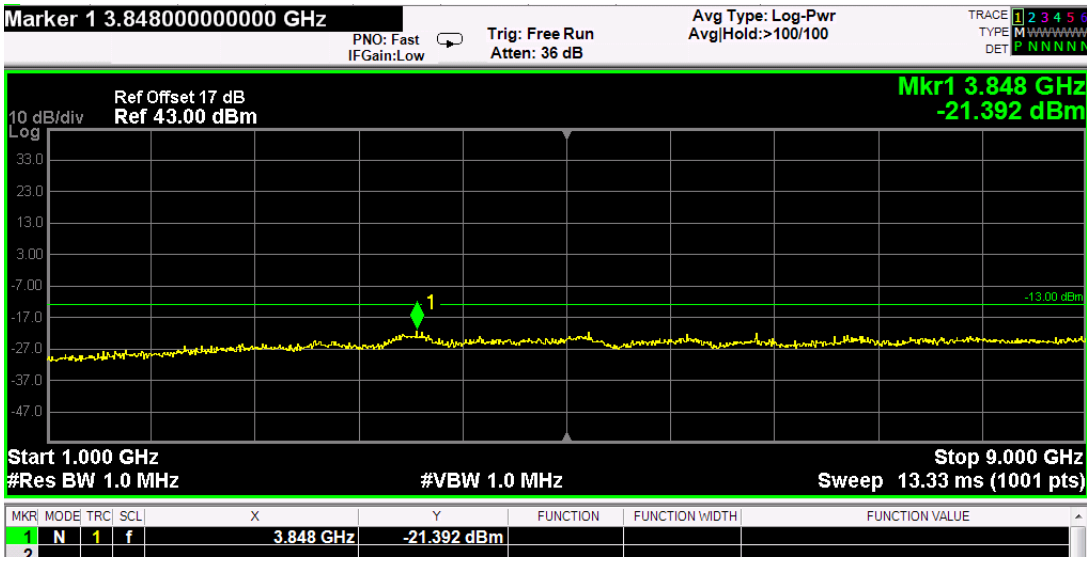
Out of Band emission at antenna terminals – WCDMA CH Mid





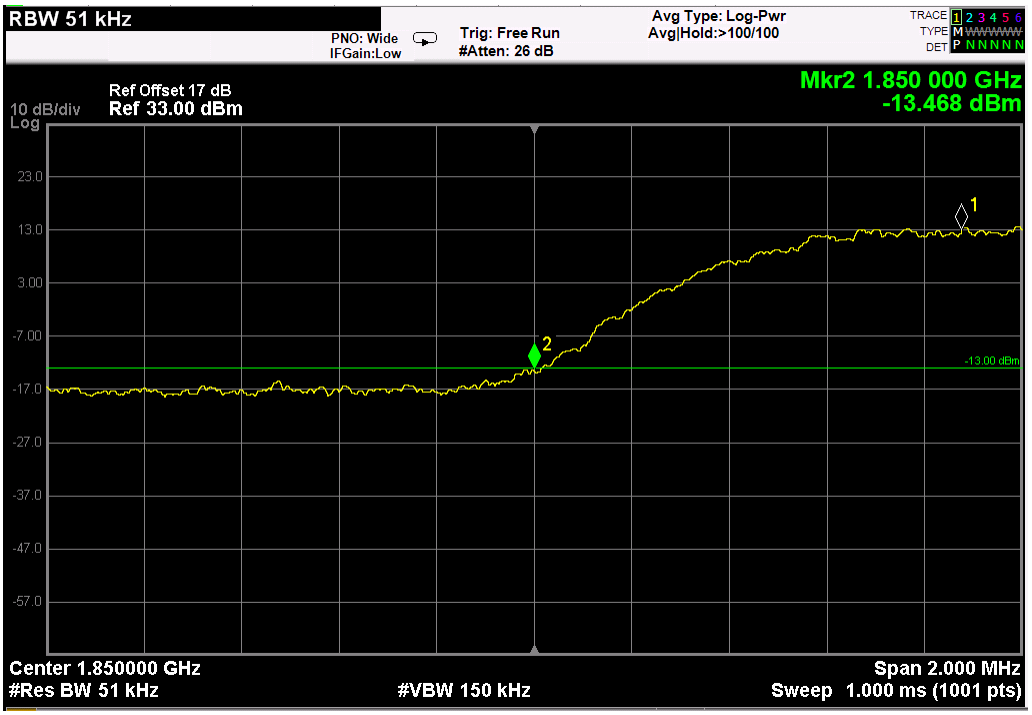
Out of Band emission at antenna terminals – WCDMA CH High



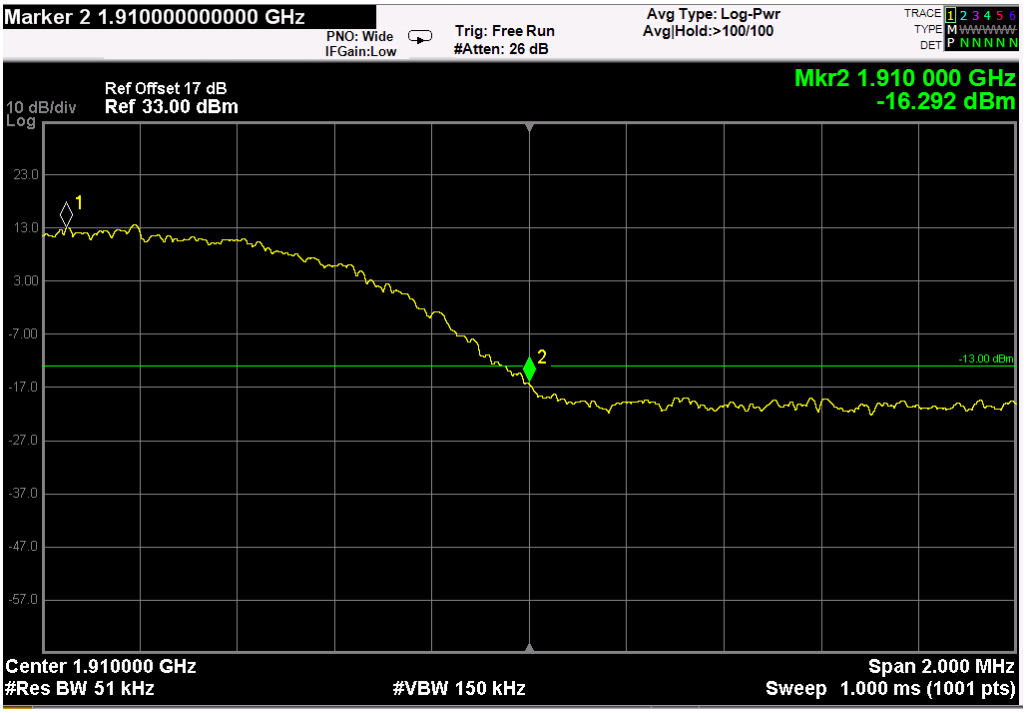


WCDMA Band II

Band Edge emissions – WCDMA CH Low

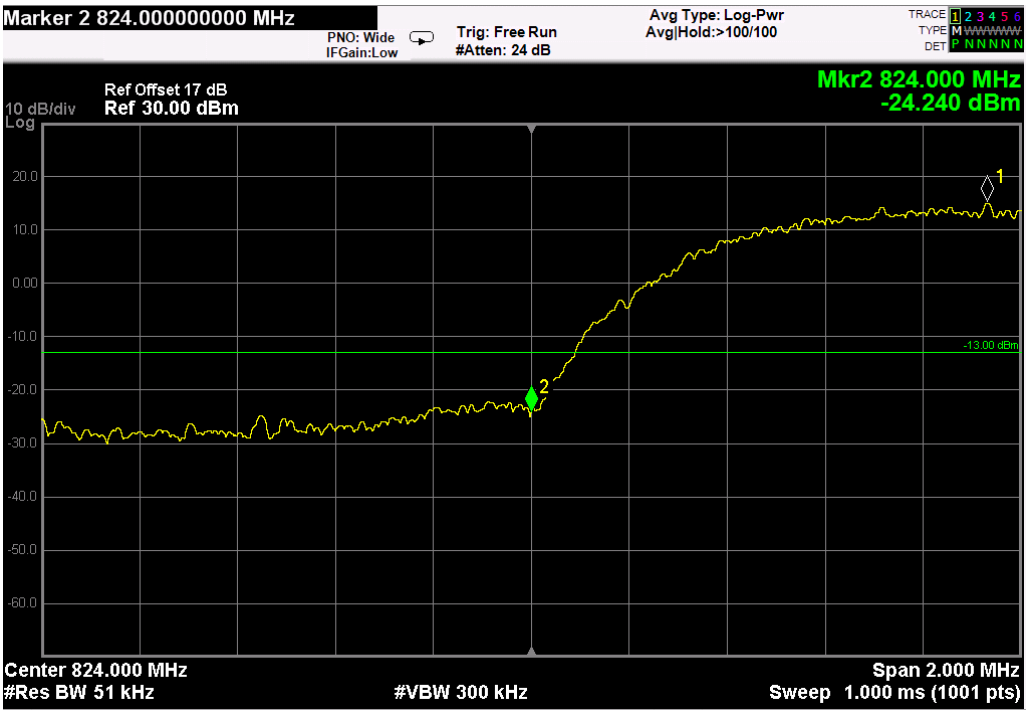


Band Edge emissions –WCDMA CH High

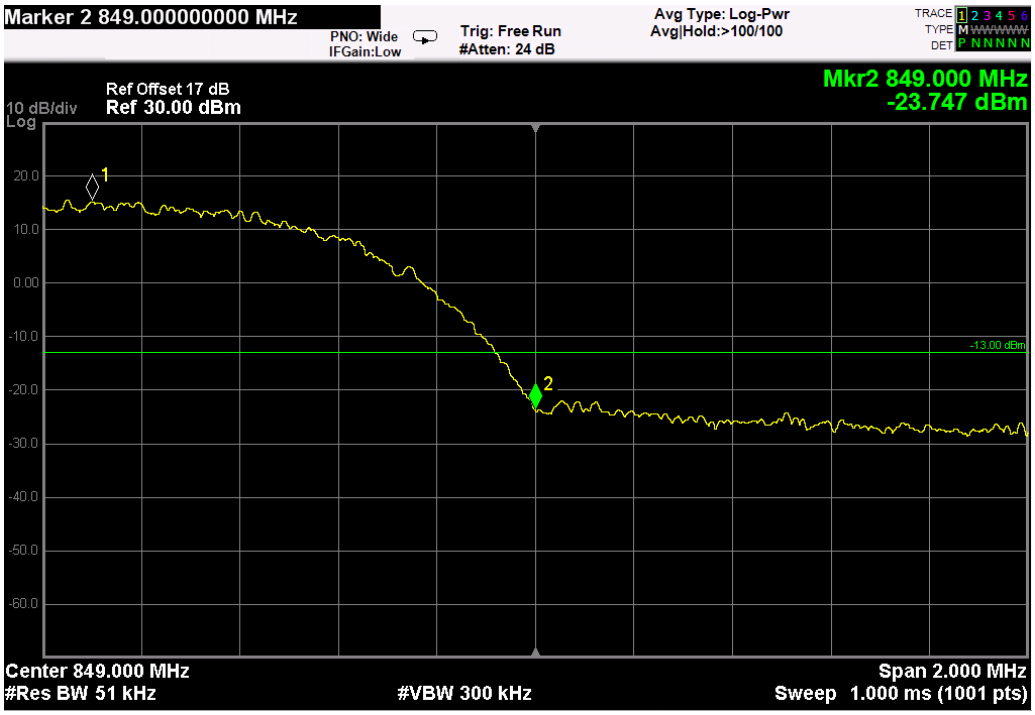


WCDMA Band V

Band Edge emissions –WCDMA CH Low

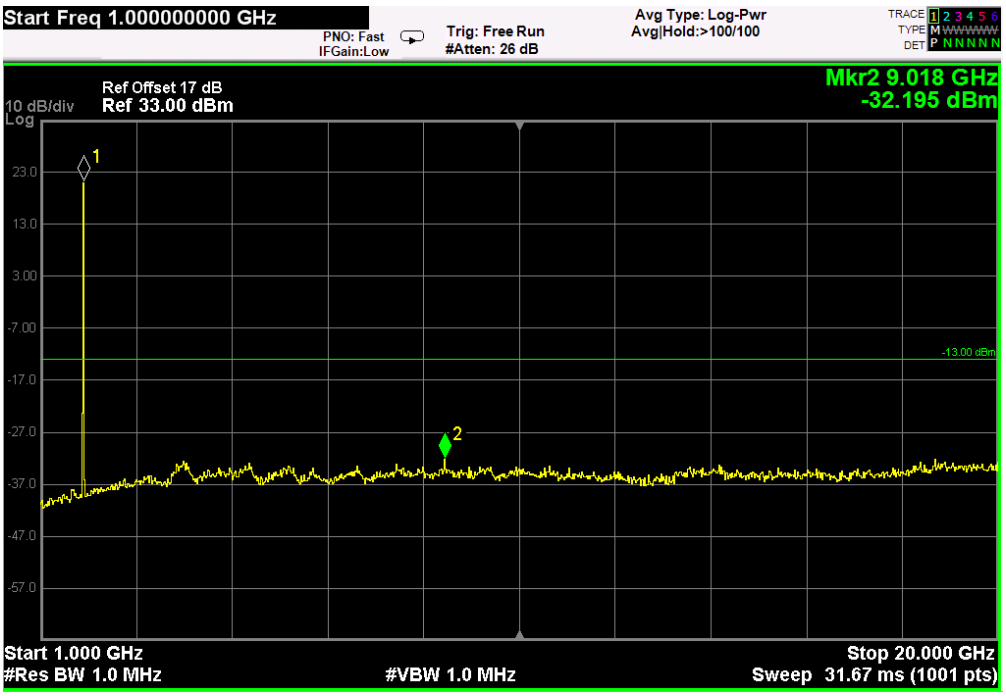


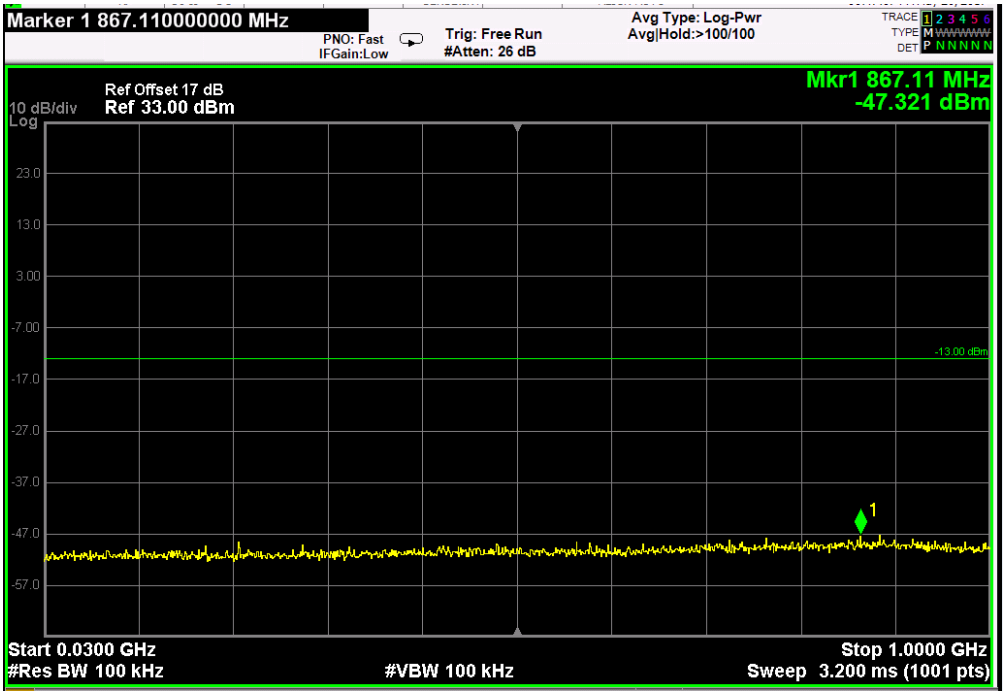
Band Edge emissions –WCDMA CH High



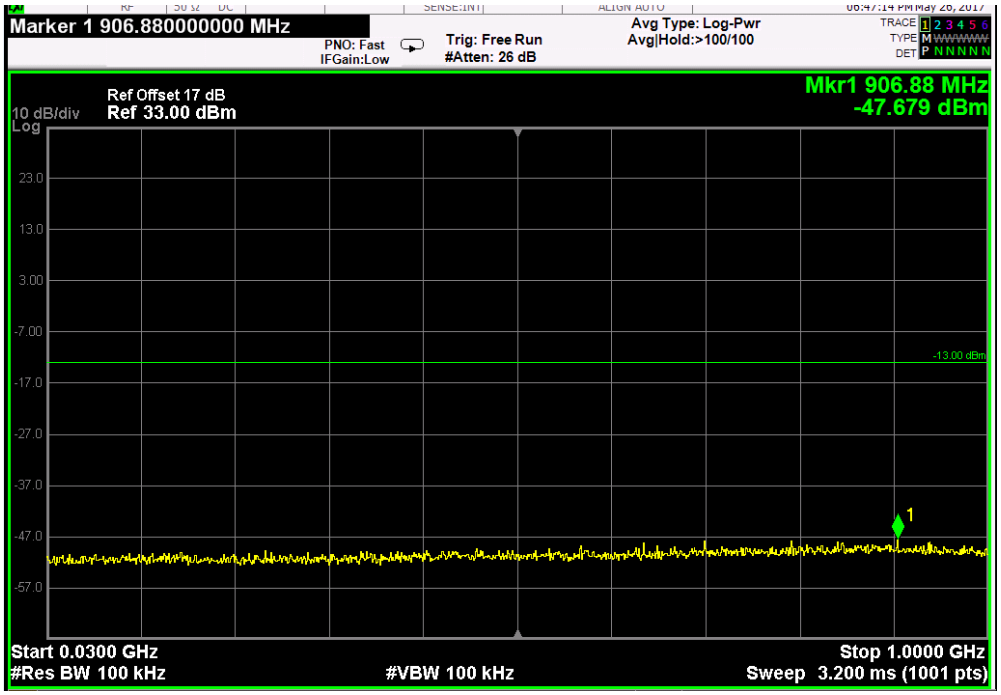
WCDMA / HSDPA Band II

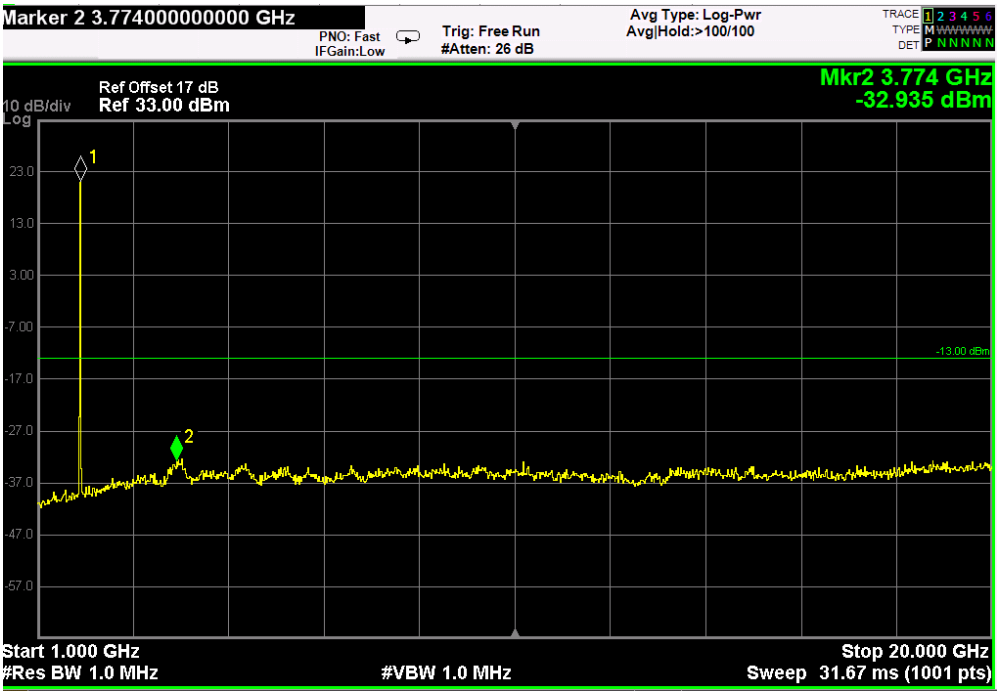
Out of Band emission at antenna terminals – HSDPA CH Low



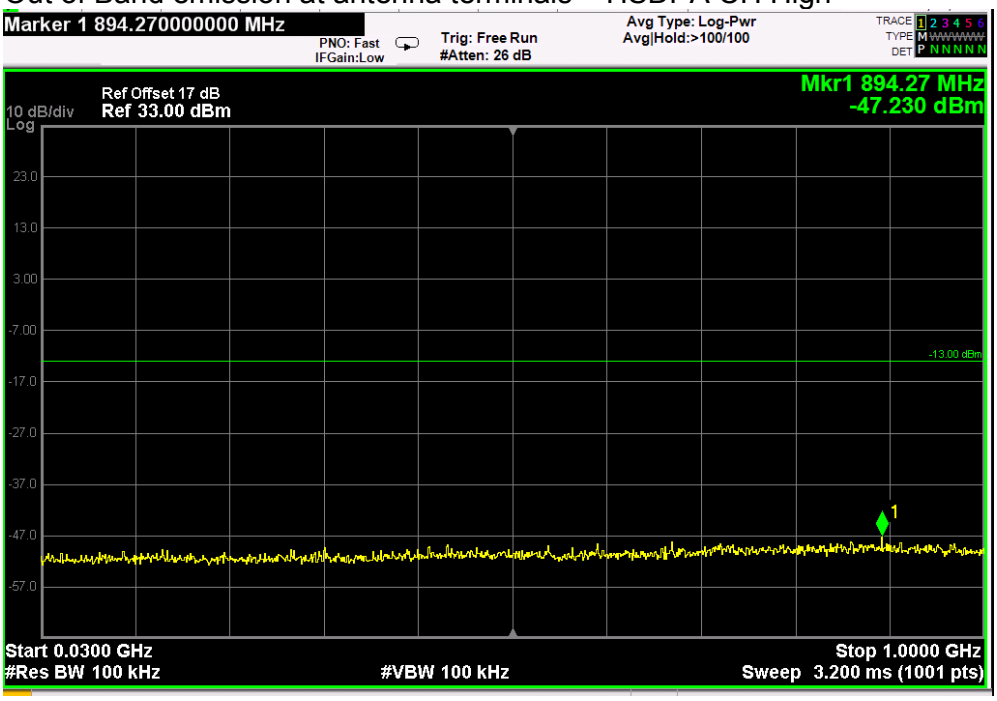


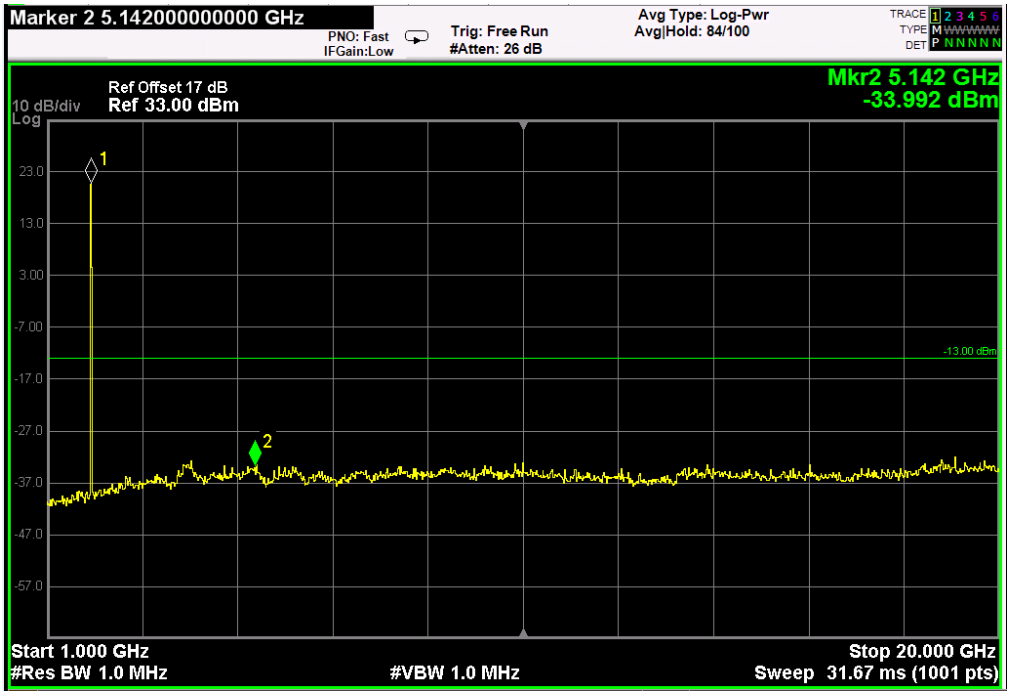
Out of Band emission at antenna terminals – HSDPA CH Mid





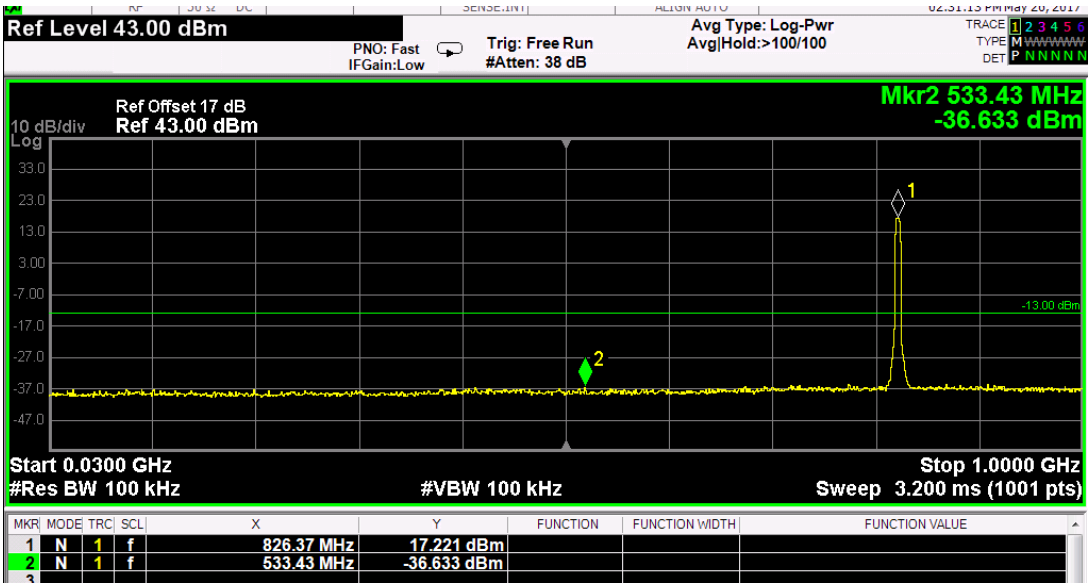
Out of Band emission at antenna terminals – HSDPA CH High

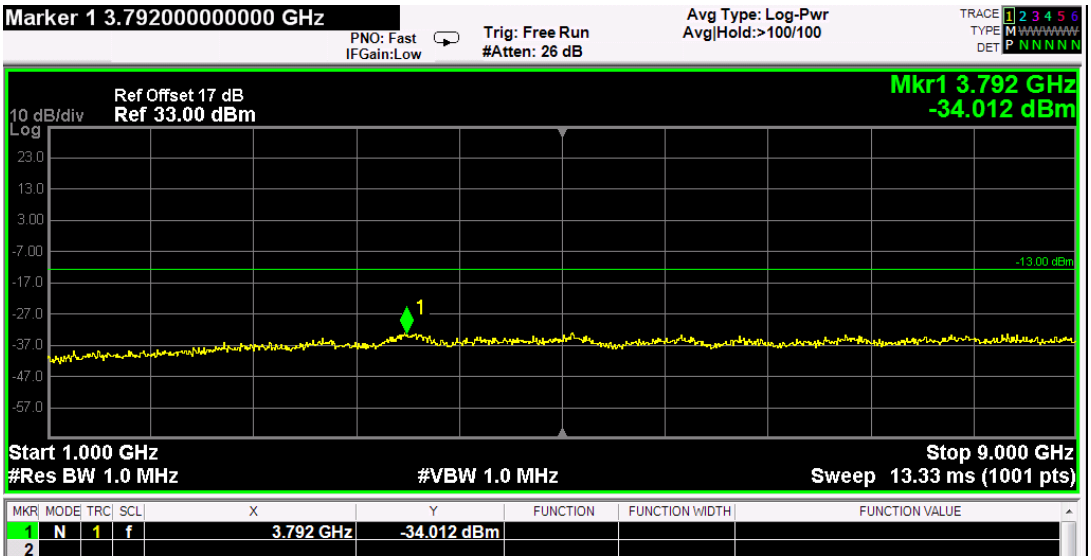




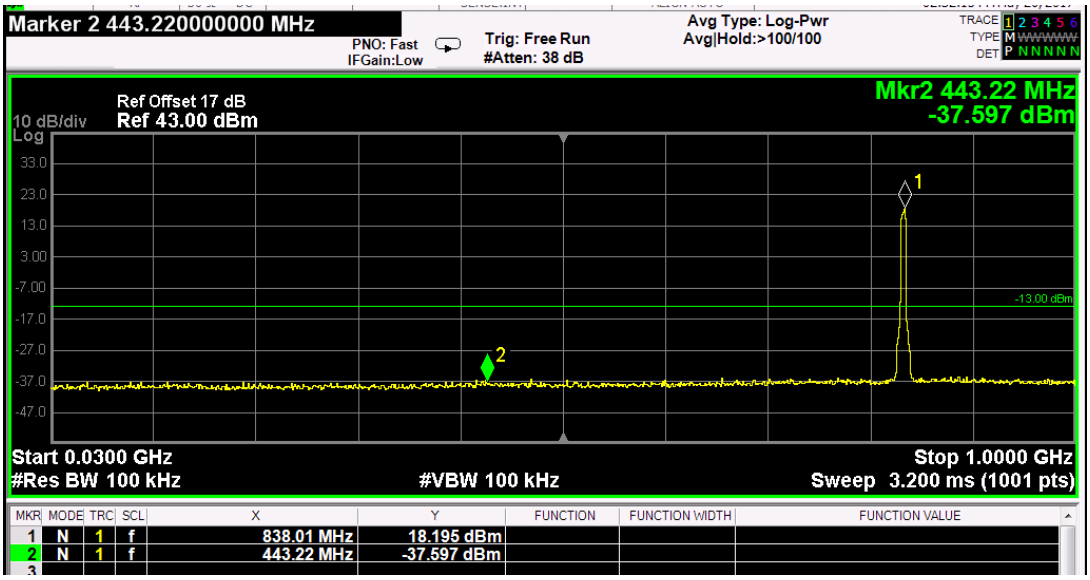
WCDMA / HSDPA Band V

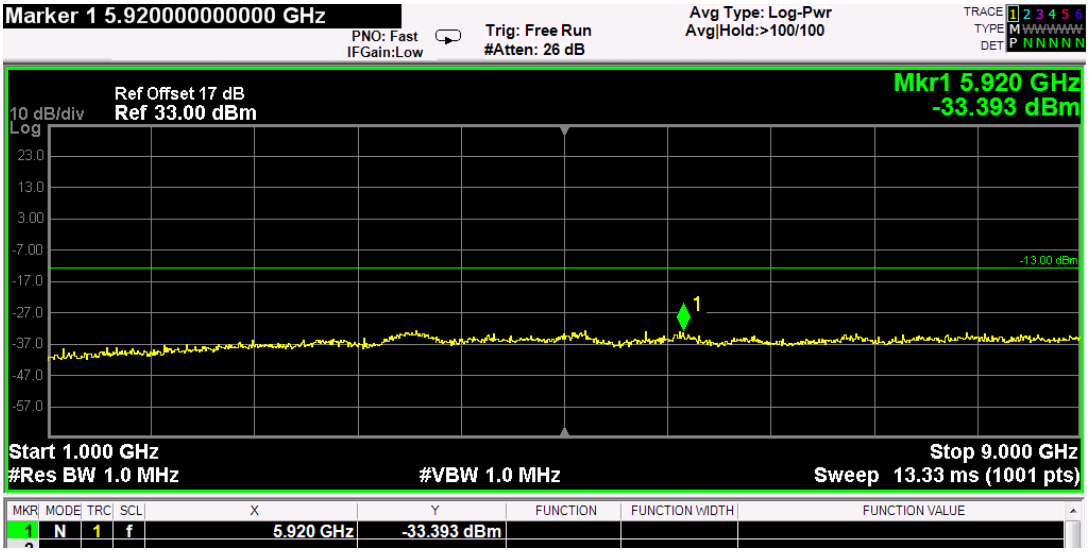
Out of Band emission at antenna terminals – HSDPA CH Low



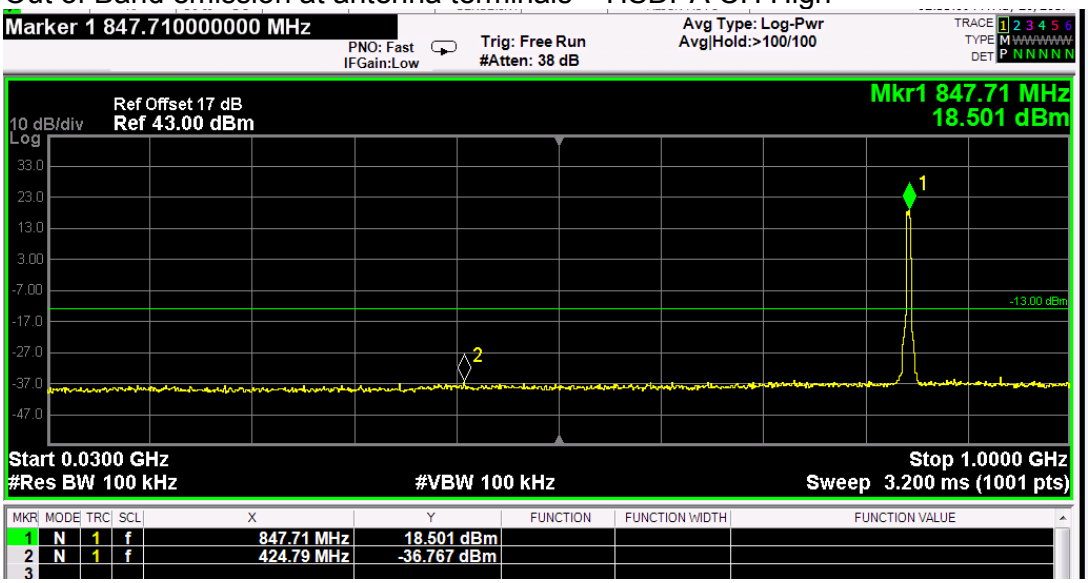


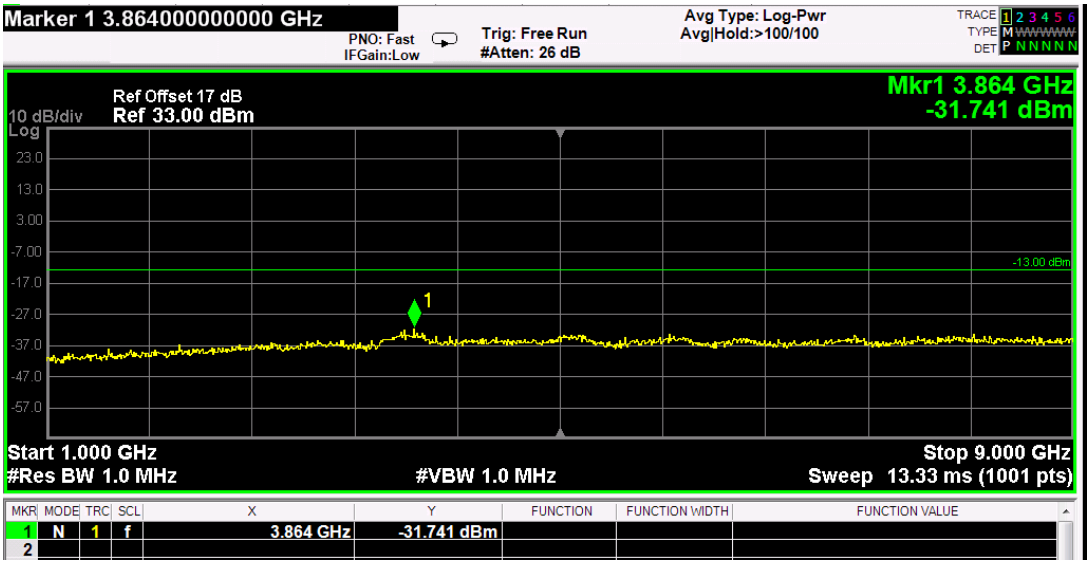
Out of Band emission at antenna terminals – HSDPA CH Mid





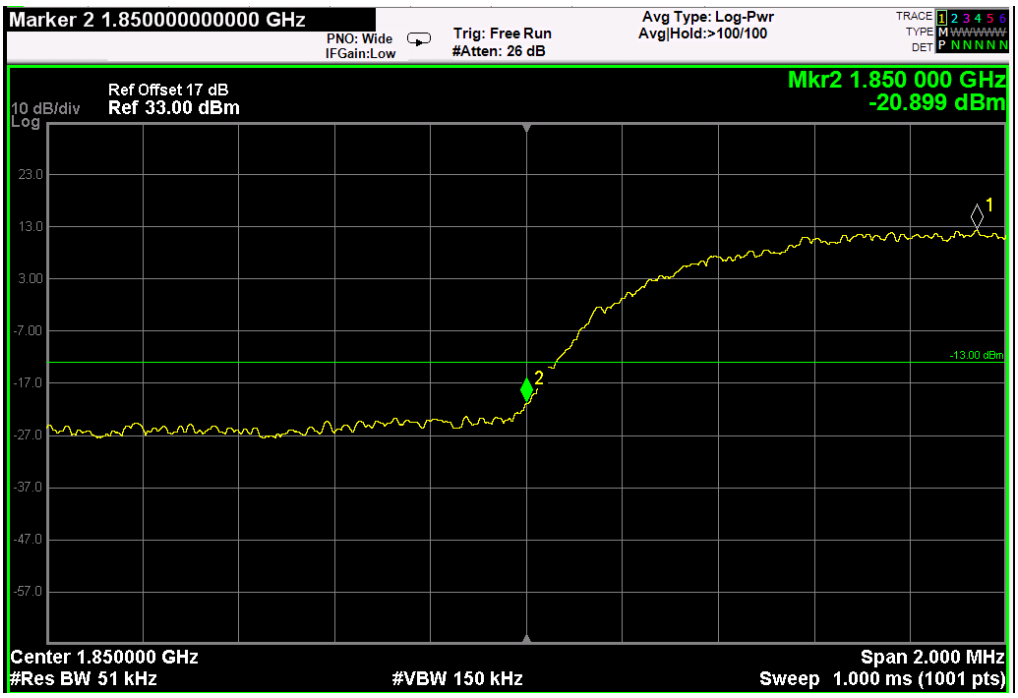
Out of Band emission at antenna terminals – HSDPA CH High





WCDMA / HSDPA Band II

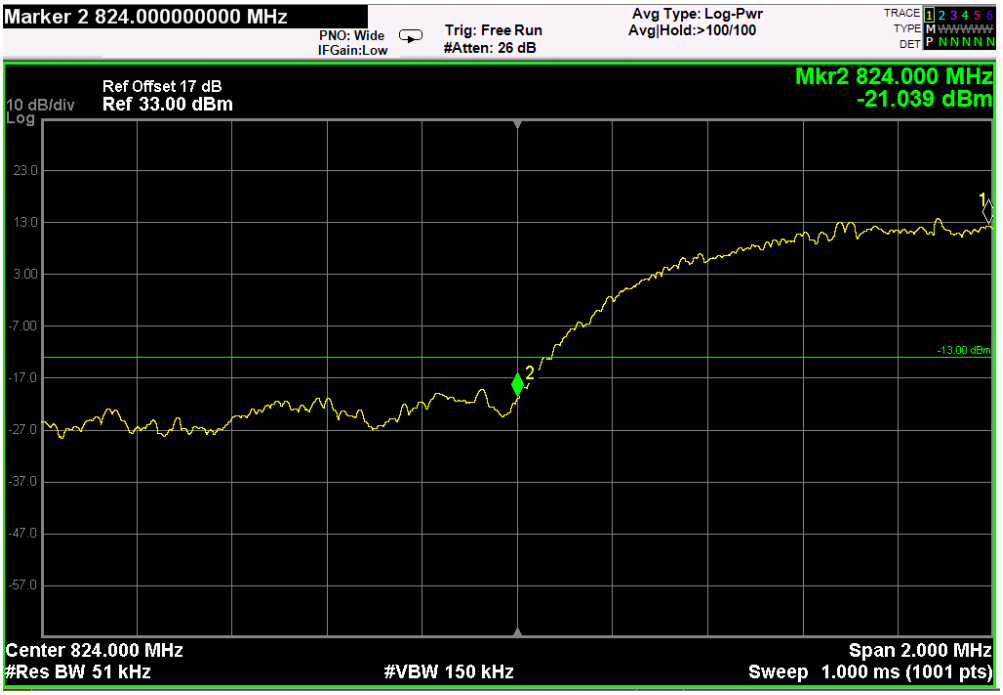
Band Edge emissions – HSDPA CH Low



Band Edge emissions – HSDPA CH High

WCDMA / HSDPA Band V

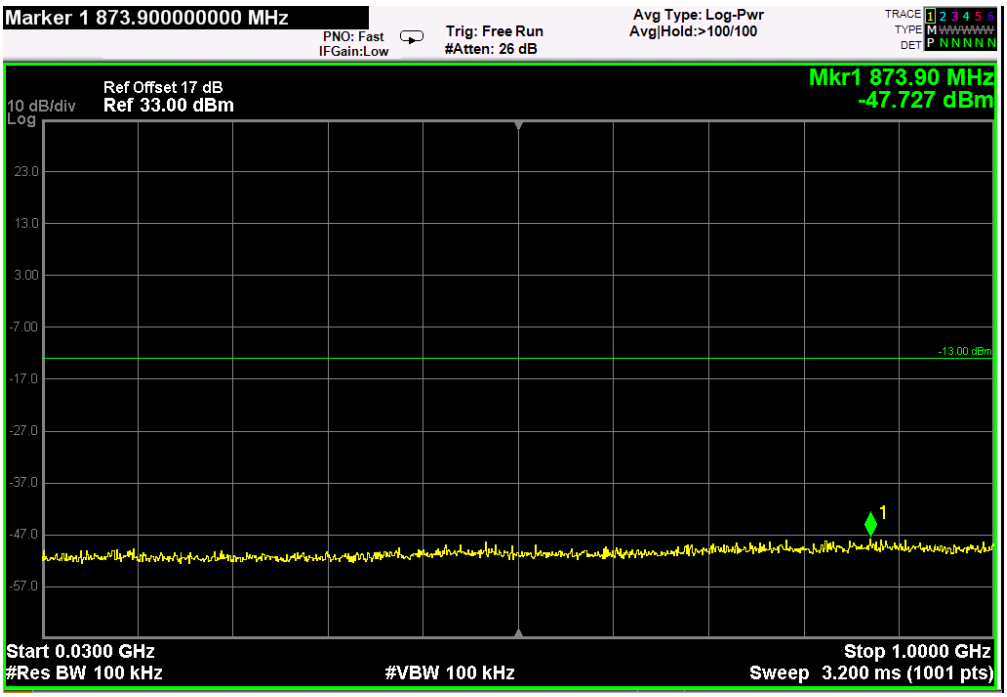
Band Edge emissions – HSDPA CH Low

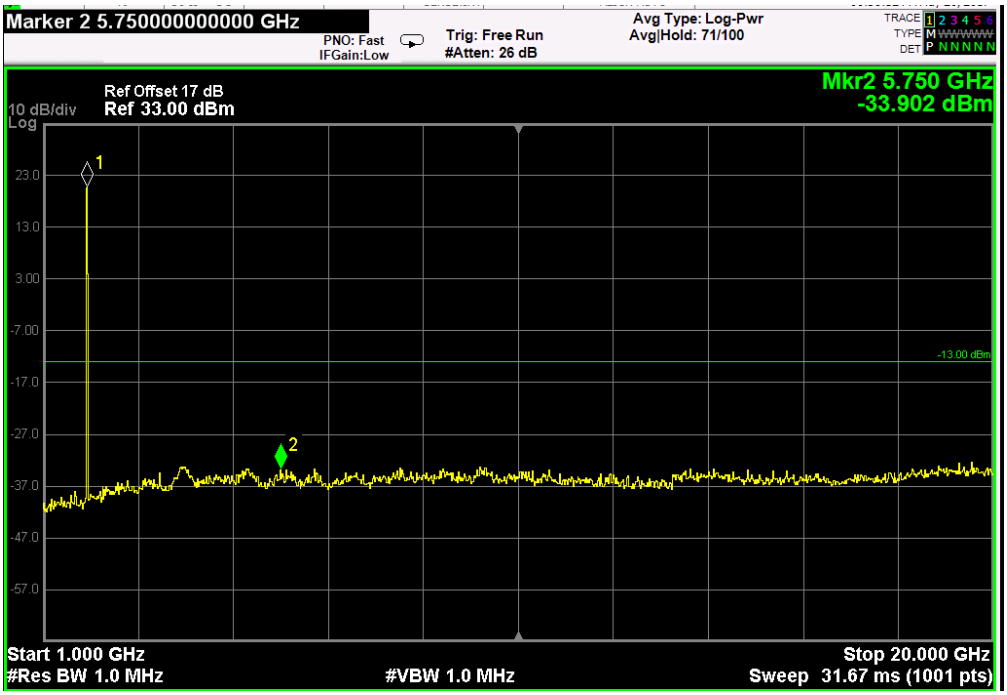


Band Edge emissions – HSDPA CH High

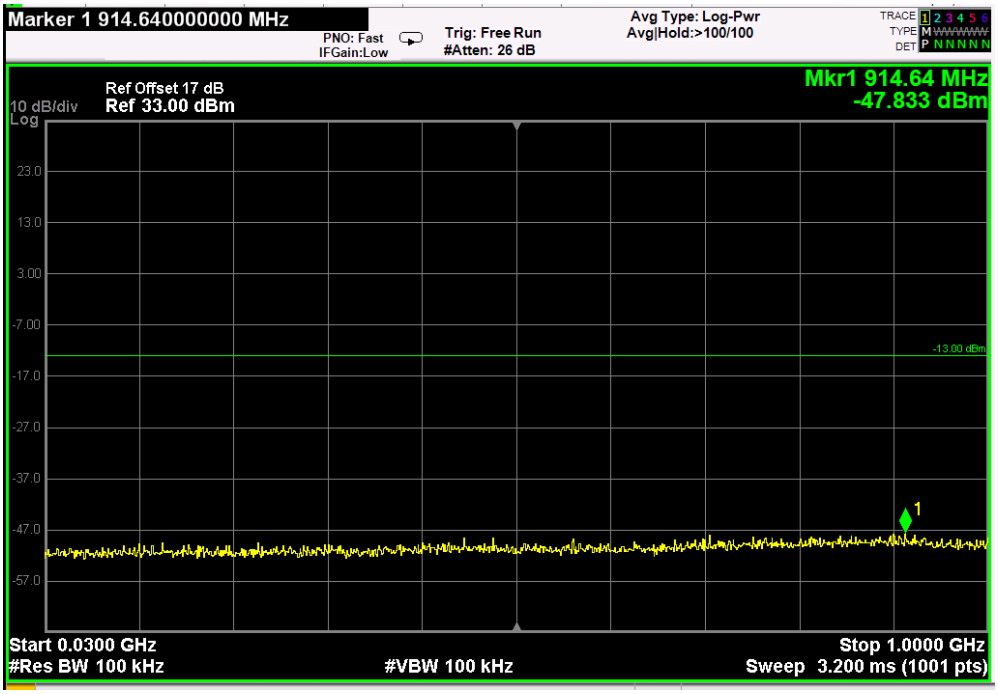
WCDMA / HSUPA Band II

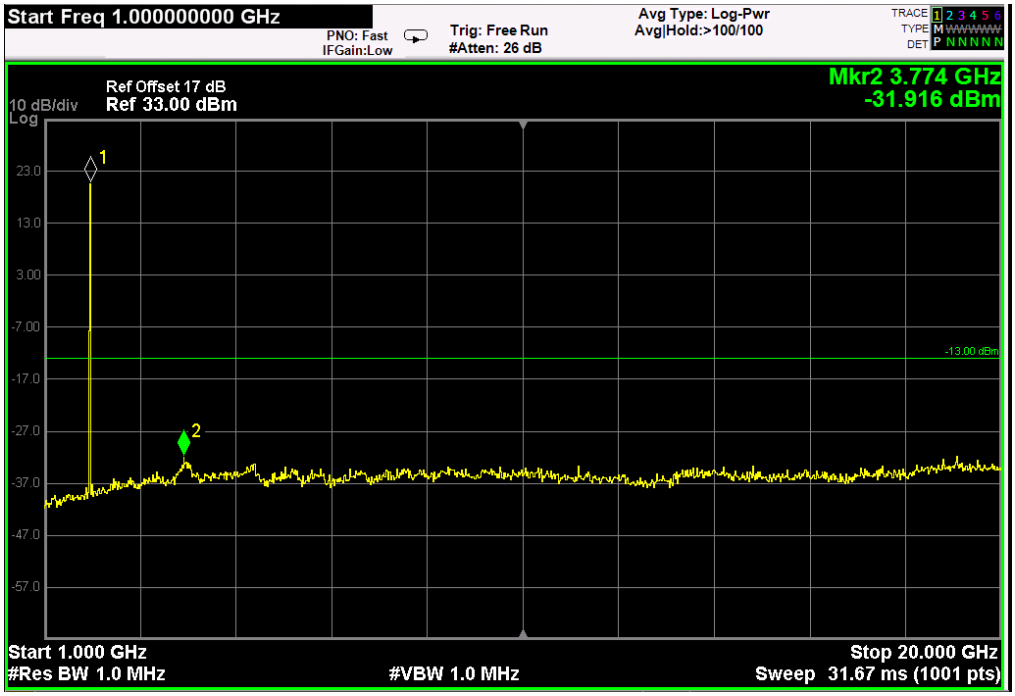
Out of Band emission at antenna terminals – HSUPA CH Low



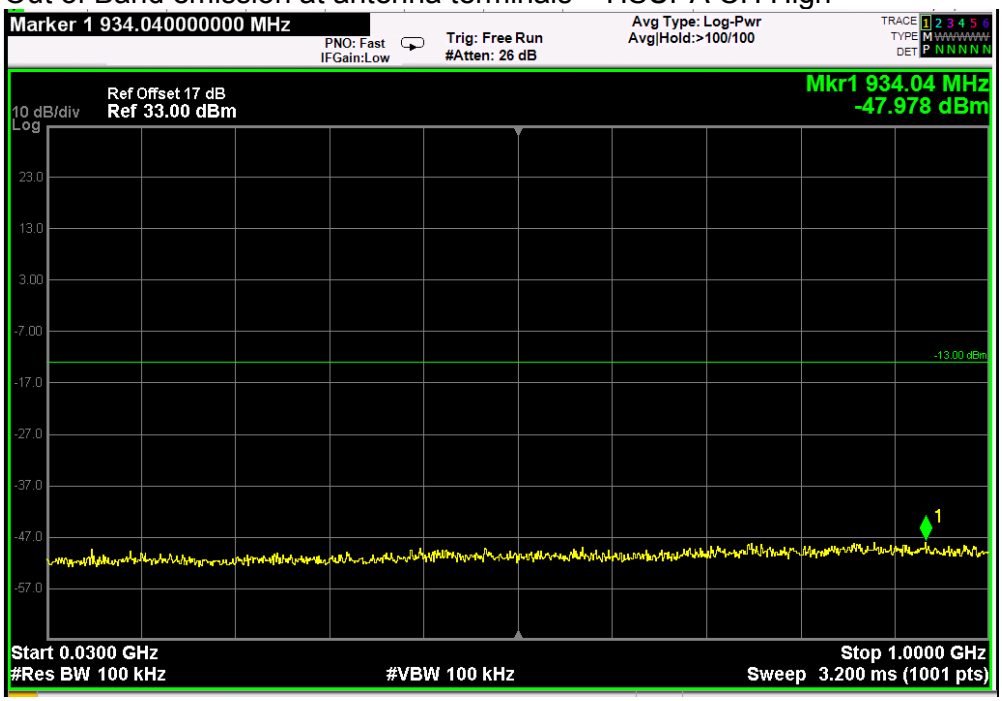


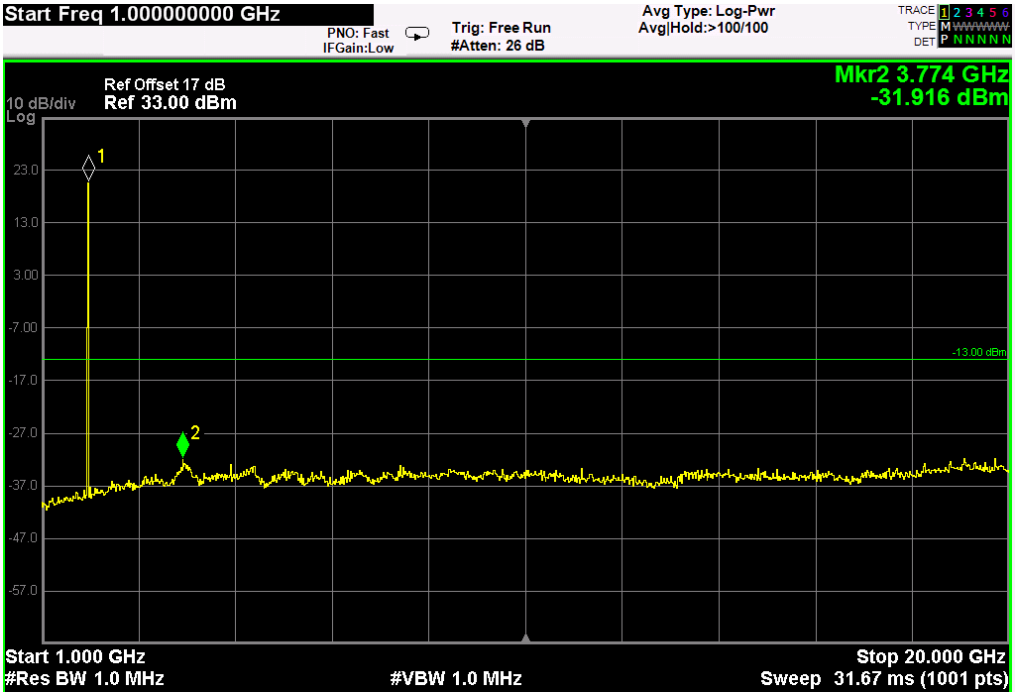
Out of Band emission at antenna terminals – HSUPA CH Mid





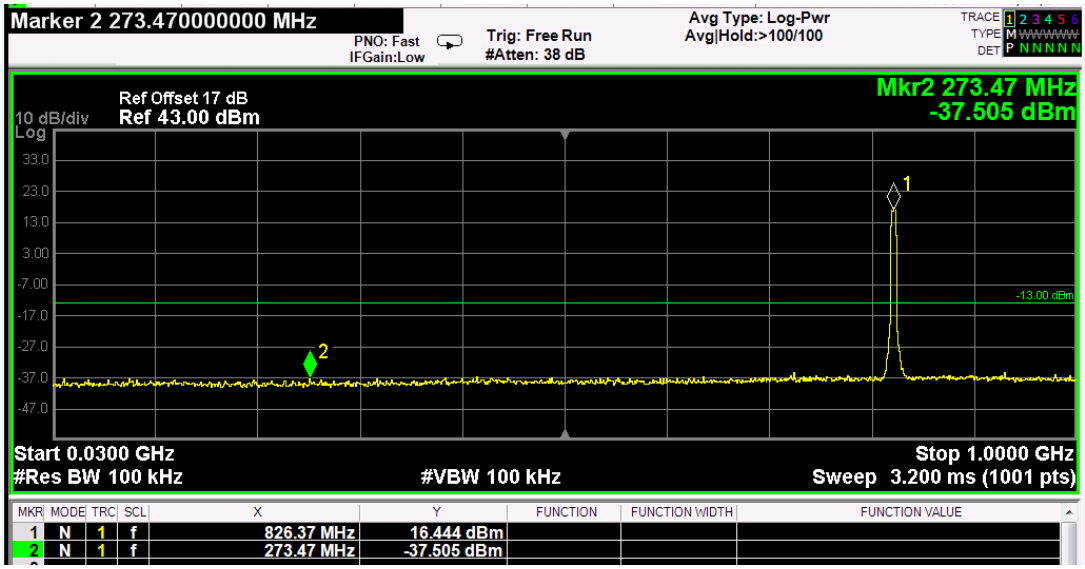
Out of Band emission at antenna terminals – HSUPA CH High

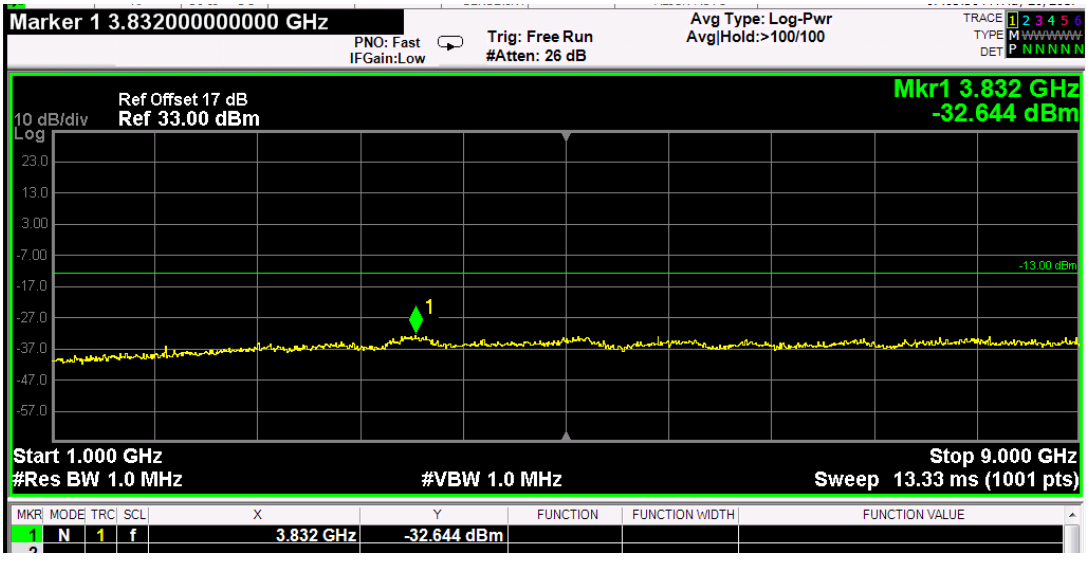




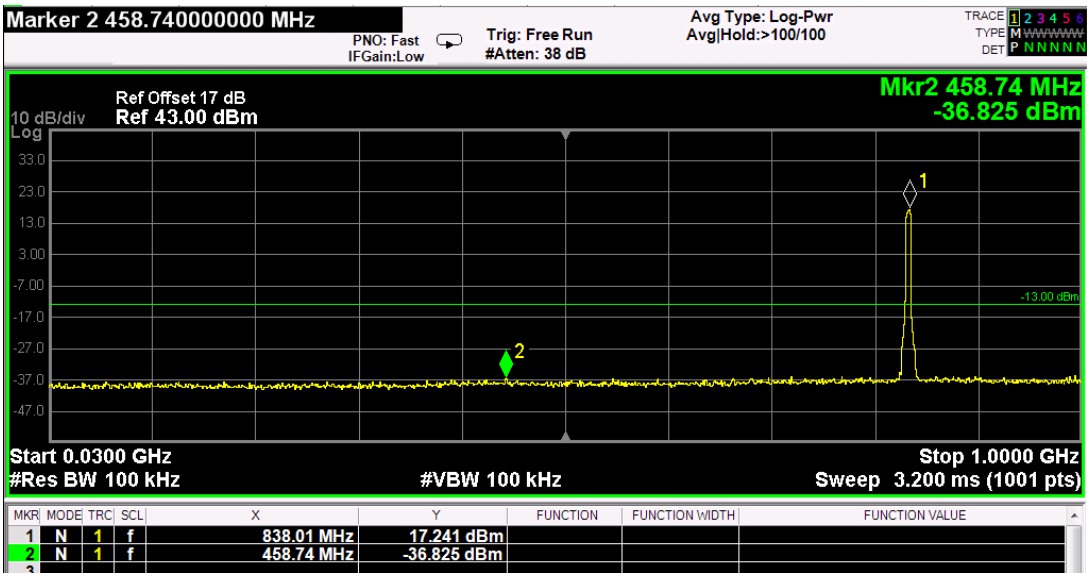
HSUPA / WCDMA Band V

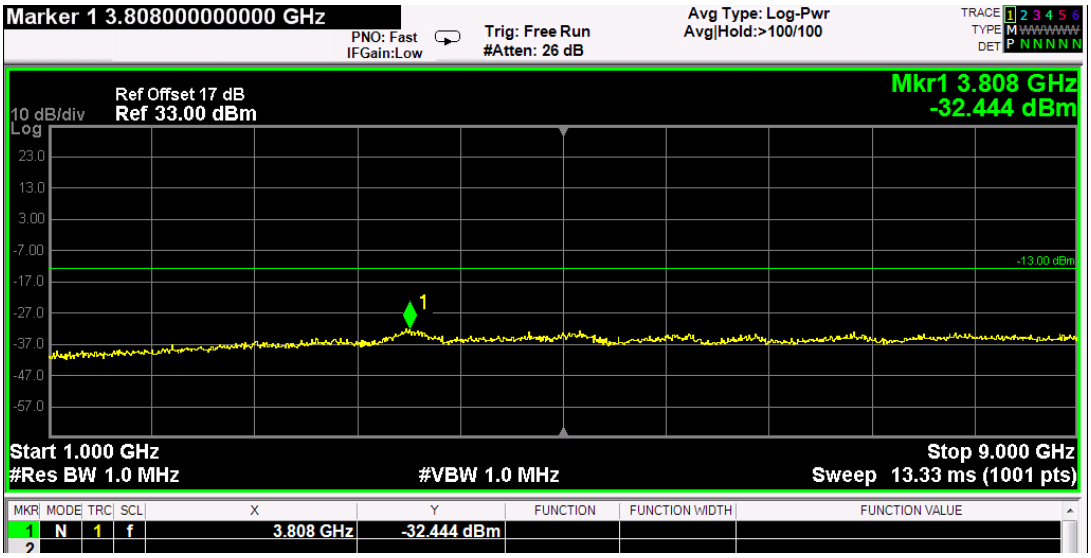
Out of Band emission at antenna terminals – HSUPA CH Low



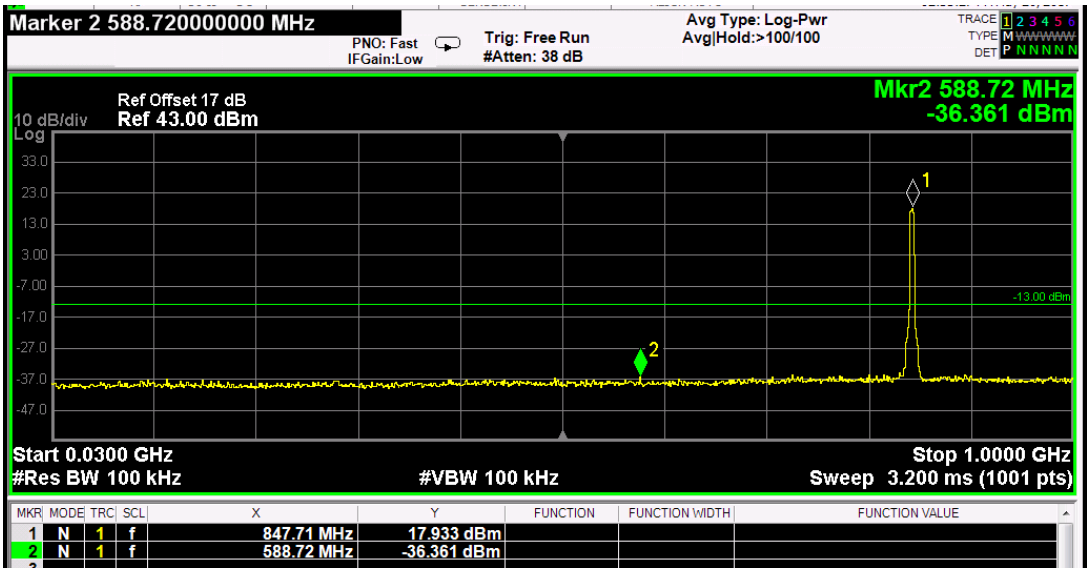


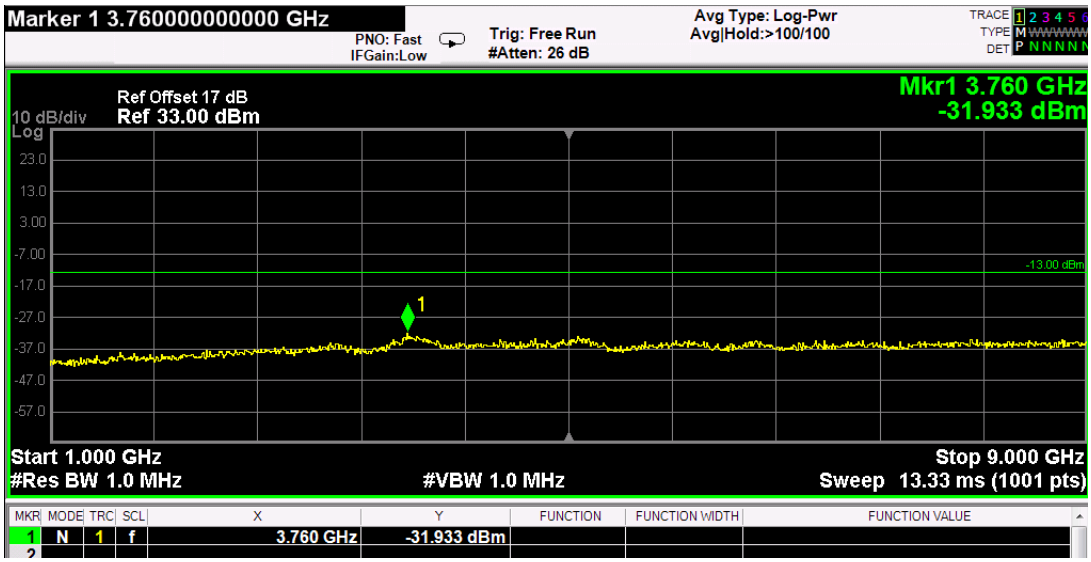
Out of Band emission at antenna terminals – HSUPA CH Mid





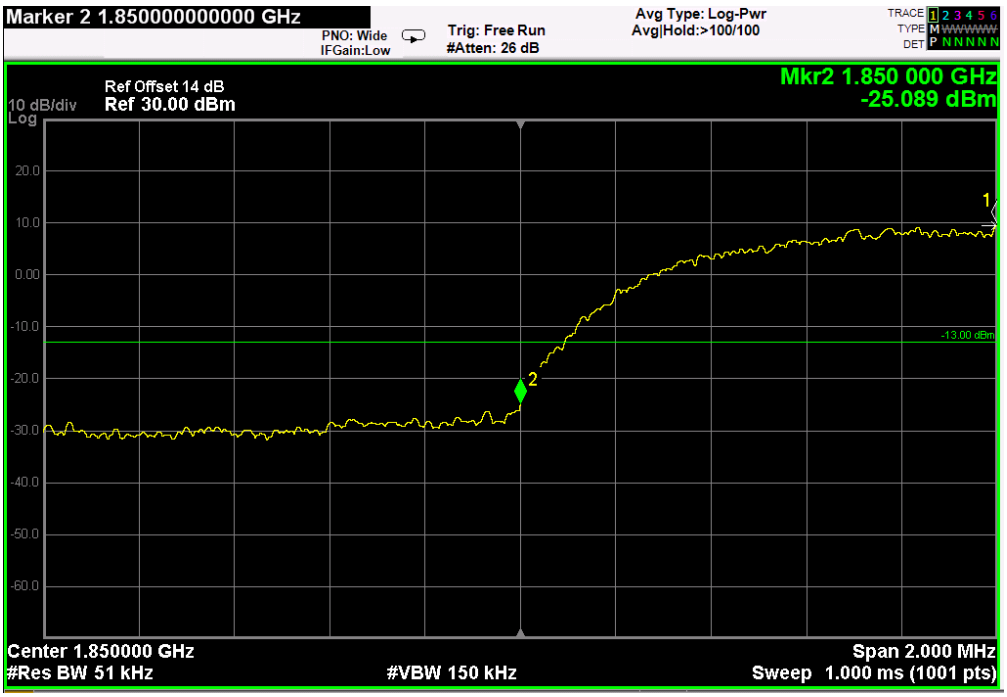
Out of Band emission at antenna terminals – HSUPA CH High



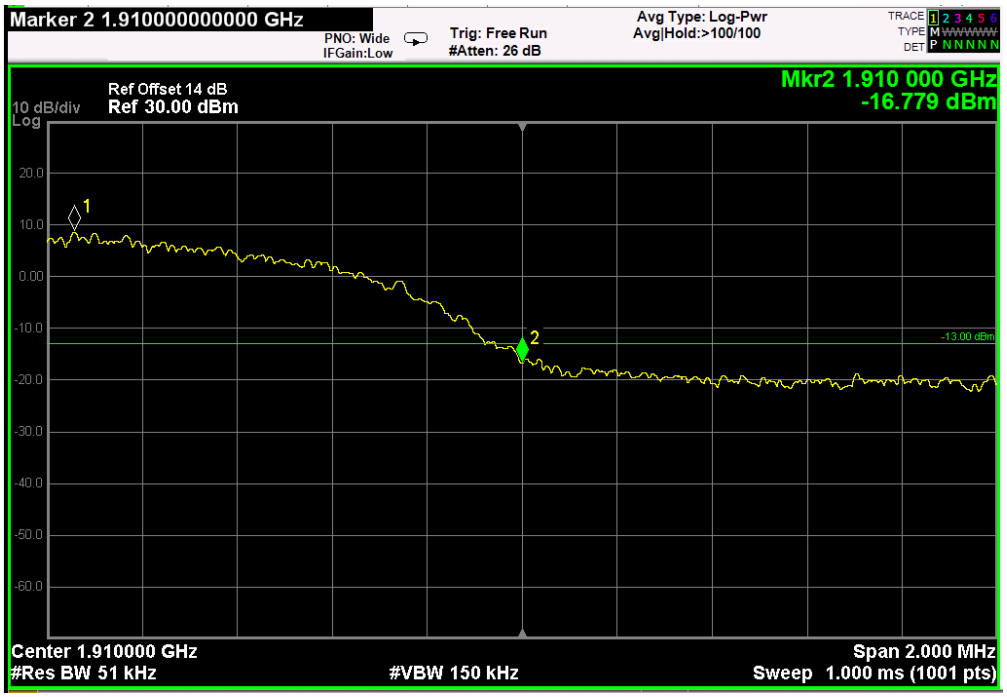


WCDMA / HSUPA Band II

Band Edge emissions – HSUPA CH Low

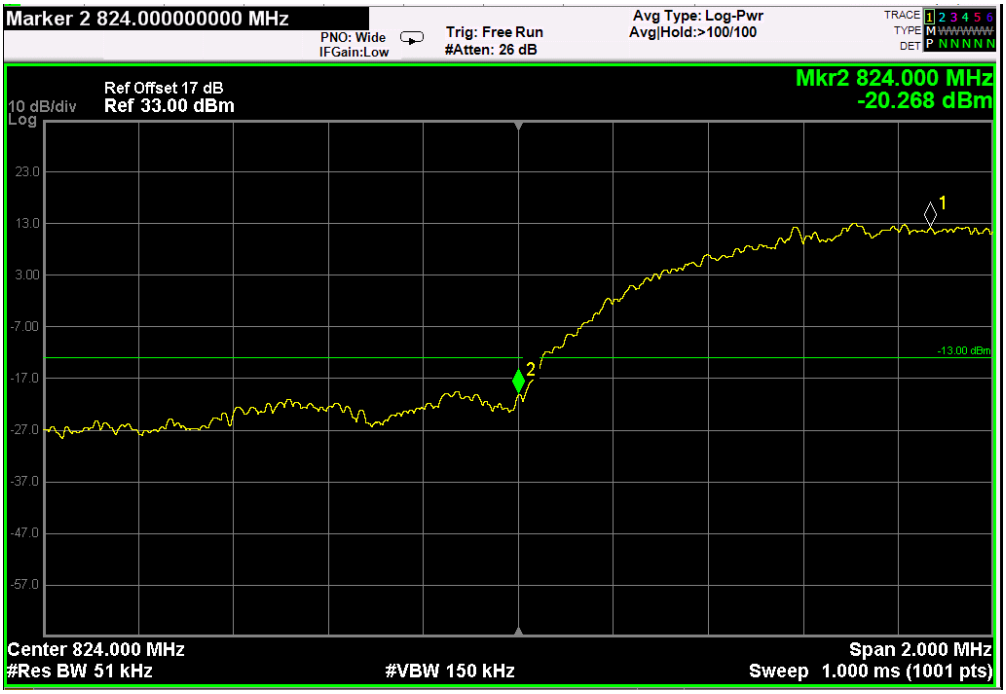


Band Edge emissions – HSUPA CH High



WCDMA / HSUPA Band V

Band Edge emissions – HSUPA CH Low



Band Edge emissions – HSUPA CH High

5.1.5 Field Strength of Spurious Radiation Measurement

RESULT: **Passed**

Test standard	:	According to FCC §2.1053
Basic standard	:	FCC Part 22 & 24
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A*

Remark: Testing was carried out within frequency range 30MHz to the tenth harmonic.

For details refer to Appendix 1.

The Radiated Emissions testing was performed in the X, Y and Z axis orientation. The X Axis orientation is the worst-case and recorded in this test report. Due to the small size of the product and that there are no inductive components of significant size, 9kHz to 30MHz frequency range is not tested based on technical judgment.

*note: According to the comparison of the result under all of modulations, the EUT with mode GPRS WCDMA have maximum output power and emits the maximum disturbance.

5.2 Frequency Stability

5.2.1 Output RF spectrum V.S. Temperature Measurement

RESULT: **Passed**

Test standard	:	FCC §2.1055, FCC §22.355, .FCC §24.235
Kind of test site	:	Shielded Room
Limit	:	2.5 ppm

Test setup

Test Channel	:	Middle
Operation mode	:	A

Table 14: Test result of Frequency Stability v.s. Temperature

GPRS 850MHz Band

Band:	GPRS 850	Channel:	190
Limit(ppm):	2.5	Frequency:	836.6MHz

Power (VAC)	Temperature (℃)	GPRS		EDGE		Result
		Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
120	-30	18	0.02	17	0.02	PASS
	-20	9	0.01	10	0.01	
	-10	25	0.03	24	0.03	
	0	19	0.02	11	0.01	
	+10	11	0.01	25	0.03	
	+20	20	0.02	17	0.02	
	+30	16	0.02	9	0.01	
	+40	28	0.03	26	0.03	
	+50	10	0.01	11	0.01	

GPRS 1900MHz Band

Band:	GPRS 1900	Channel:	661
Limit(ppm):	2.5	Frequency:	1880.0MHz

Power (VAC)	Temperature (℃)	GPRS		EDGE		Result
		Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
120	-30	44	0.02	62	0.03	PASS
	-20	40	0.02	25	0.01	
	-10	22	0.01	44	0.02	
	0	59	0.03	25	0.01	
	+10	41	0.02	44	0.02	
	+20	20	0.01	27	0.01	
	+30	51	0.03	43	0.02	
	+40	43	0.02	37	0.02	
	+50	27	0.01	55	0.03	

WCDMA 850MHz Band

Band:	WCDMA Band V	Channel:		4183
Limit(ppm):	2.5	Frequency:		836.6MHz
Power(VAC)	Temperature(℃)	RMC 12.2Kbps		Result
		Freq. Dev.(Hz)	Deviation(ppm)	
120	-30	15	0.02	PASS
	-20	10	0.01	
	-10	25	0.03	
	0	18	0.02	
	+10	12	0.01	
	+20	19	0.02	
	+30	15	0.02	
	+40	22	0.03	
	+50	17	0.02	

WCDMA 1900MHz Band

Band:	WCDMA Band II	Channel:		9400
Limit(ppm):	2.5	Frequency:		1880.0MHz
Power(VAC)	Temperature(℃)	RMC 12.2Kbps		Result
		Freq. Dev.(Hz)	Deviation(ppm)	
120	-30	41	0.02	PASS
	-20	37	0.02	
	-10	48	0.03	
	0	55	0.03	
	+10	46	0.02	
	+20	40	0.02	
	+30	35	0.02	
	+40	61	0.03	
	+50	45	0.02	

HSDPA 850MHz Band

Band:	WCDMA Band V	Channel:		4183
Limit(ppm):	2.5	Frequency:		836.6MHz
Power(VAC)	Temperature(℃)	RMC 12.2Kbps		Result
		Freq. Dev.(Hz)	Deviation(ppm)	
120	-30	23	0.03	PASS
	-20	12	0.01	
	-10	15	0.02	
	0	16	0.02	
	+10	20	0.02	
	+20	14	0.02	
	+30	10	0.01	
	+40	26	0.03	
	+50	15	0.02	

HSDPA 1900MHz Band

Band:	WCDMA Band V	Channel:		9400
Limit(ppm):	2.5	Frequency:		1880.0MHz
Power(VAC)	Temperature(℃)	RMC 12.2Kbps		Result
		Freq. Dev.(Hz)	Deviation(ppm)	
120	-30	35	0.02	PASS
	-20	45	0.03	
	-10	58	0.03	
	0	40	0.02	
	+10	41	0.02	
	+20	34	0.02	
	+30	38	0.02	
	+40	55	0.03	
	+50	60	0.03	

HSUPA 850MHz Band

Band:	WCDMA Band V	Channel:		4183
Limit(ppm):	2.5	Frequency:		836.6MHz
Power(VAC)	Temperature(℃)	RMC 12.2Kbps		Result
		Freq. Dev.(Hz)	Deviation(ppm)	
120	-30	9	0.01	PASS
	-20	18	0.02	
	-10	15	0.02	
	0	25	0.03	
	+10	10	0.01	
	+20	28	0.03	
	+30	12	0.01	
	+40	24	0.03	
	+50	11	0.01	

HSUPA 1900MHz Band

Band:	WCDMA Band V	Channel:		9400
Limit(ppm):	2.5	Frequency:		1880.0MHz
Power(VAC)	Temperature(℃)	RMC 12.2Kbps		Result
		Freq. Dev.(Hz)	Deviation(ppm)	
120	-30	50	0.03	PASS
	-20	32	0.02	
	-10	40	0.02	
	0	35	0.02	
	+10	40	0.02	
	+20	52	0.03	
	+30	63	0.03	
	+40	42	0.02	
	+50	48	0.03	

5.2.2 Frequency Stability V.S. Voltage Measurement

RESULT: **N/A**

Test standard	:	FCC §2.1055, FCC §22.355, .FCC §24.235
Kind of test site	:	Shielded Room
Limit	:	2.5 ppm

Test setup

Test Channel	:	Middle
Operation mode	:	A

The EUT was not battery equipment. Therefore this test item has been skipped.

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT: **Passed**

Test standard : FCC §2.1091 and 2.1093
FCC KDB Publication 447498 D01 v06
RSS-102 Issue 5

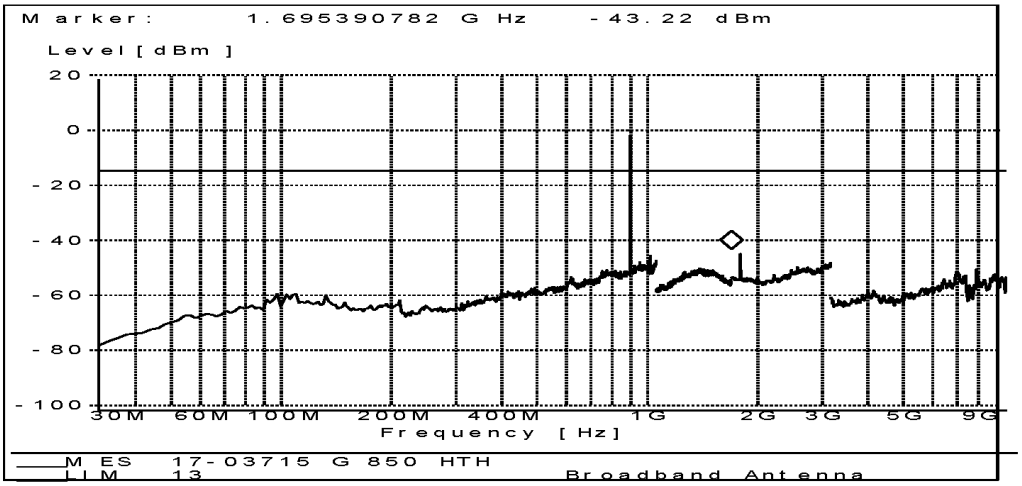
Limit for power density for general population/uncontrolled exposure is 0.558 mW/cm2 for 300 -1500 MHz frequency range:
The power density P (mW/cm2) = P_T / 4π r2, where
P_T is the maximum equivalent isotropically radiated power (EIRP).
The peak output power of 32.71 dBm with -1.1 dBi antenna gain corresponds to the equivalent isotropically radiated power (EIRP) of
32.71 dBm + (-1.1) dBi = 31.61 dBm, which is equal to 1448.77 mW.
The minimum safe distance “r”, where RF exposure does not exceed FCC permissible limit, is
r = sqrt { P_T / (Px4π)} = sqrt {2596.36/12.56} = 14.38 cm << 2 m .

Limit for power density for general population/uncontrolled exposure is 1 mW/cm2 for 1500 -100000 MHz frequency range:
The power density P (mW/cm2) = P_T / 4π r2, where
P_T is the maximum equivalent isotropically radiated power (EIRP).
The peak output power of 29.31 dBm with -1.1 dBi antenna gain corresponds to the equivalent isotropically radiated power (EIRP) of
29.31 dBm + (-1.1) dBi = 28.21 dBm, which is equal to 662.21 mW.
The minimum safe distance “r”, where RF exposure does not exceed FCC permissible limit, is
r = sqrt { P_T / (Px4π)} = sqrt {2596.36/12.56} = 7.26 cm << 2 m .

The minimum distance for the EUT is greater than 14.38cm.

8. List of Tables

9. List of Photographs

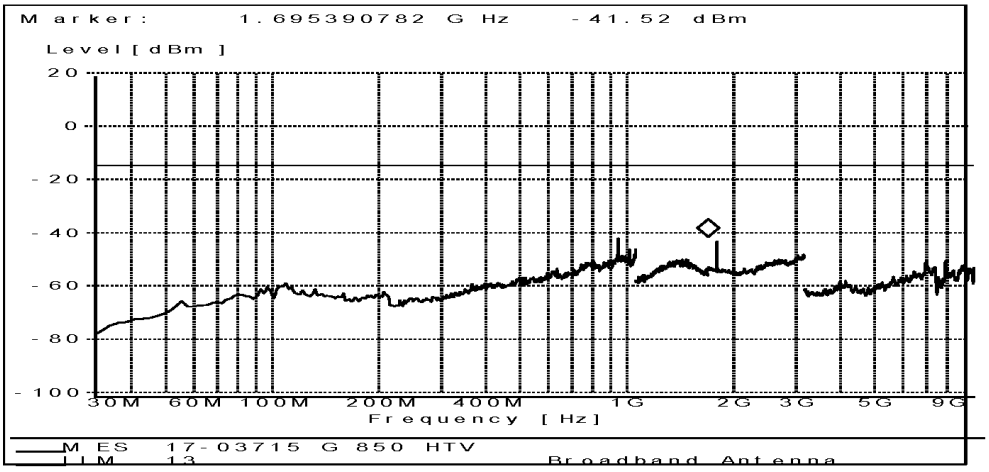


MEASUREMENT RESULT: "result2"

2017/05/09 04:18nm

Frequency MHz	Level dBm	Limit dBm
125.250500	-58.20	-13.00
731.743400	-48.97	-13.00
961.122200	-43.90	-13.00
1315.030100	-48.40	-13.00
1695.390800	-43.22	-13.00
2994.388800	-46.32	-13.00

2017/05/09 04:19nm

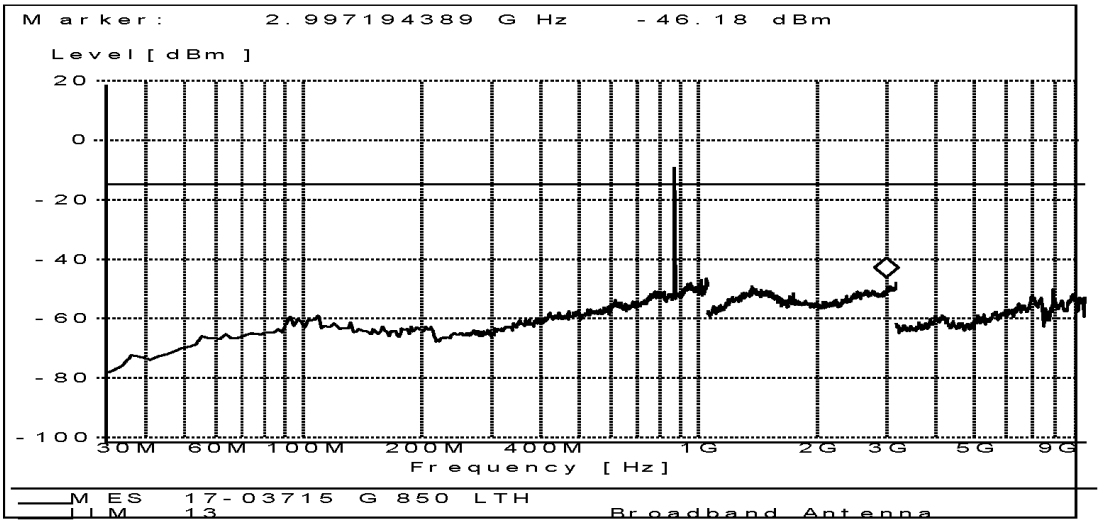


MEASUREMENT RESULT: "result2"

2017/05/08 01:52nm

Frequency MHz	Level dBm	Limit dBm
103.156300	-57.37	-13.00
761.623200	-49.07	-13.00
960.921800	-44.53	-13.00
1389.579100	-48.34	-13.00
1695.390800	-41.52	-13.00
2960.721400	-46.62	-13.00

2017/05/09 04:13nm

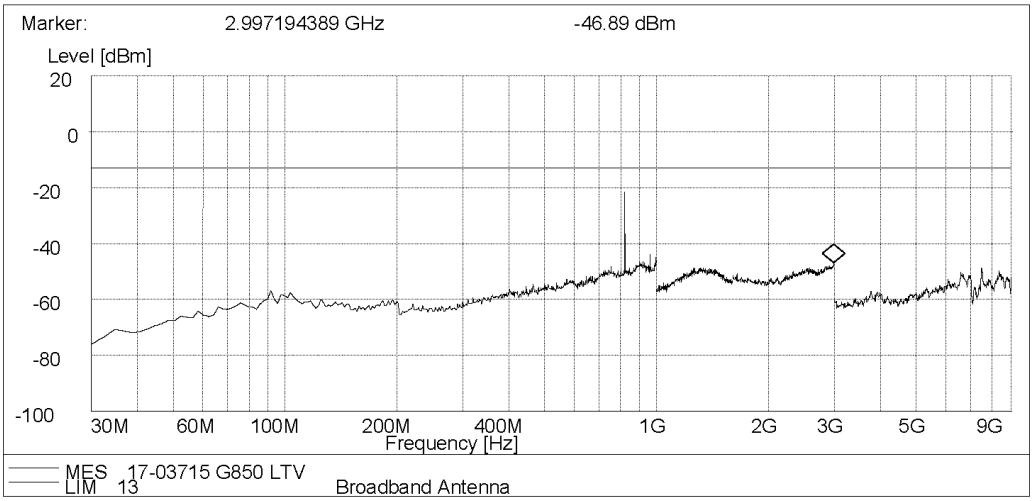


MEASUREMENT RESULT: "result2"

2017/05/08 01:52nm

Frequency MHz	Level dBm	Limit dBm
103.156300	-57.34	-13.00
583.817600	-52.03	-13.00
960.921800	-45.31	-13.00
1294.589200	-47.49	-13.00
2997.194400	-46.18	-13.00
7495.491000	-48.36	-13.00

2017/05/09 04:01nm

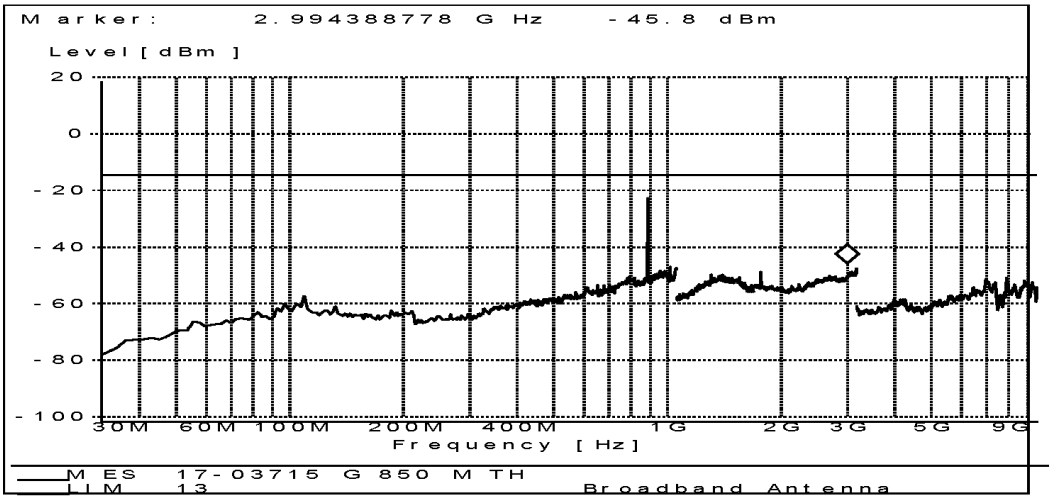


MEASUREMENT RESULT: "result2"

2017/05/08 01:52nm

Frequency MHz	Level dBm	Limit dBm
91.432900	-56.93	-13.00
753.807600	-48.32	-13.00
1307.815600	-48.75	-13.00
2584.769500	-48.84	-13.00
2997.194400	-46.89	-13.00
7495.490900	-48.86	-13.00

2017/05/09 03:58nm

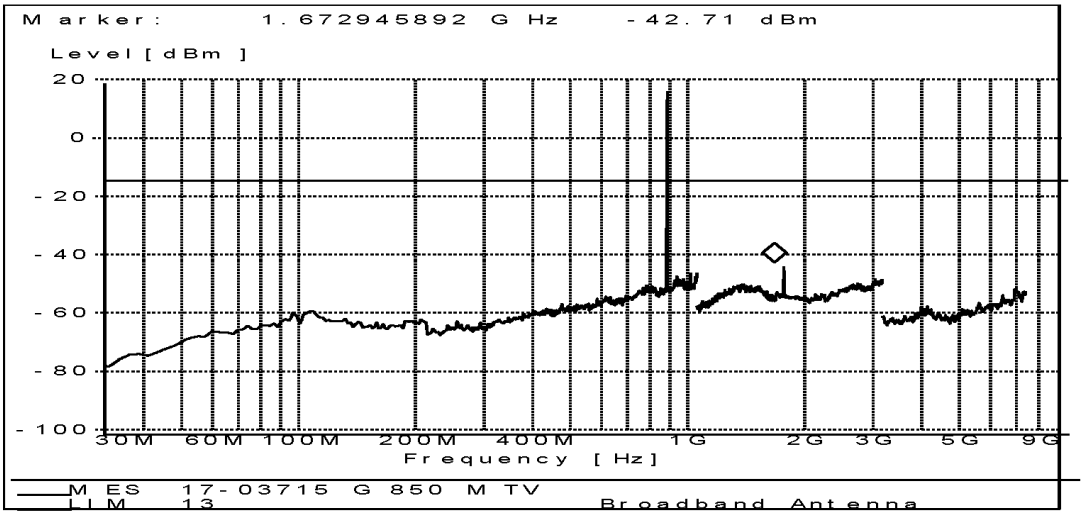


MEASUREMENT RESULT: "result2"

2017/05/08 01:52nm

Frequency MHz	Level dBm	Limit dBm
103.156300	-55.69	-13.00
617.034100	-51.76	-13.00
751.853700	-49.34	-13.00
960.921800	-45.20	-13.00
1670.140300	-47.73	-13.00
2994.388800	-45.80	-13.00

2017/05/09 04:05nm

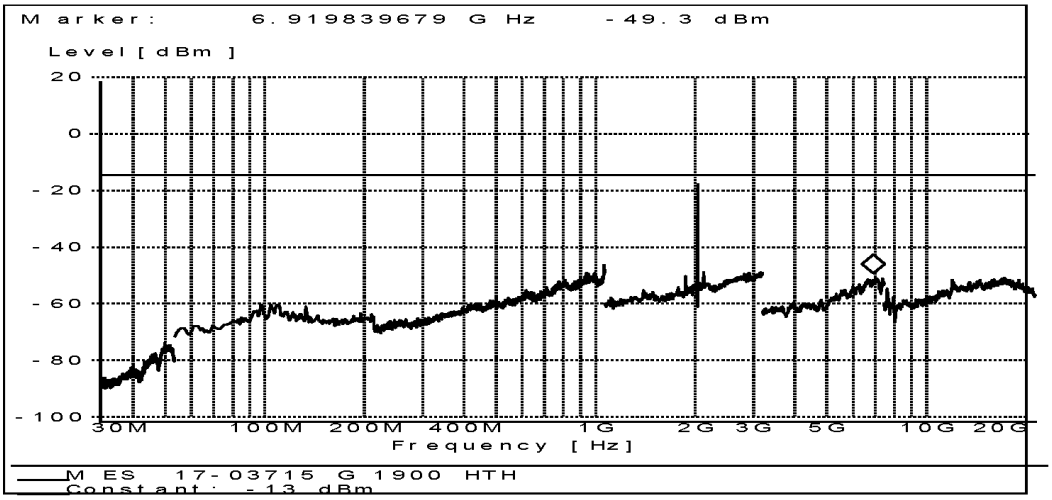


MEASUREMENT RESULT: "result2"

2017/05/08 01:52nm

Frequency MHz	Level dBm	Limit dBm
103.156300	-57.73	-13.00
749.899800	-49.16	-13.00
960.921800	-44.80	-13.00
1319.839700	-48.52	-13.00
1672.945900	-42.71	-13.00
2997.943900	-46.71	-13.00

2017/05/09 04:08nm

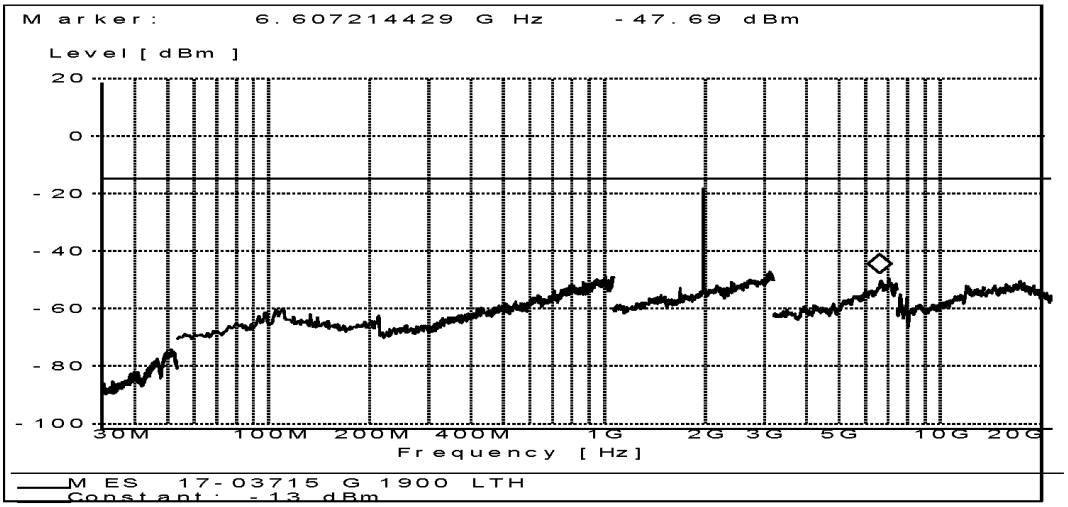


MEASUREMENT RESULT: "result2"

2017/05/09 04:18nm

Frequency MHz	Level dBm	Limit dBm
97.795600	-58.56	-13.00
997.996000	-44.53	-13.00
1757.515000	-48.54	-13.00
2735.470900	-47.35	-13.00
6919.839700	-49.30	-13.00
16178.857700	-49.02	-13.00

2017/05/09 04:48nm

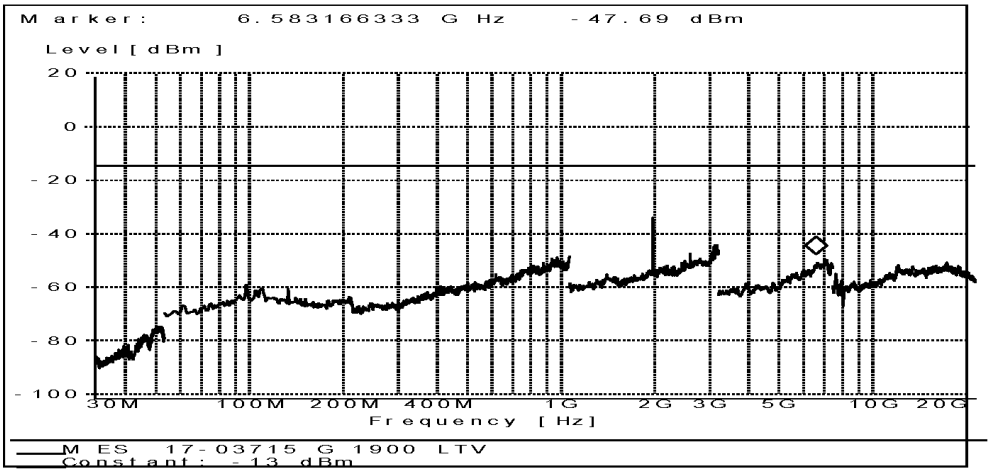


MEASUREMENT RESULT: "result2"

2017/05/09 04:18nm

Frequency MHz	Level dBm	Limit dBm
103.206400	-58.39	-13.00
947.895800	-47.13	-13.00
1581.162300	-51.21	-13.00
2923.847700	-45.41	-13.00
6607.214400	-47.69	-13.00
16266.032100	-48.70	-13.00

2017/05/09 04:31nm

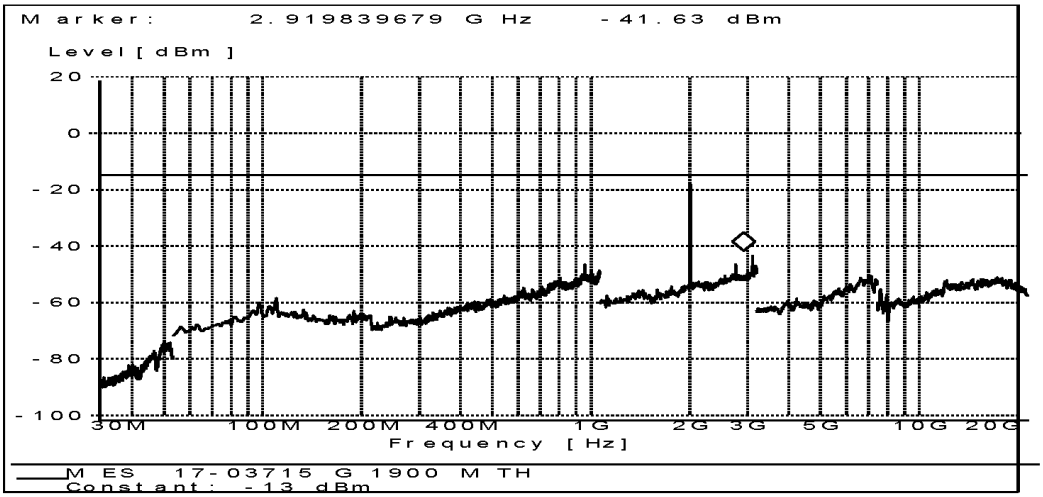


MEASUREMENT RESULT: "result2"

2017/05/09 04:18nm

Frequency MHz	Level dBm	Limit dBm
91.483000	-57.30	-13.00
909.819700	-47.05	-13.00
1316.663300	-53.39	-13.00
2927.855700	-42.49	-13.00
6583.166300	-47.69	-13.00
16266.032100	-49.00	-13.00

2017/05/09 04:35nm

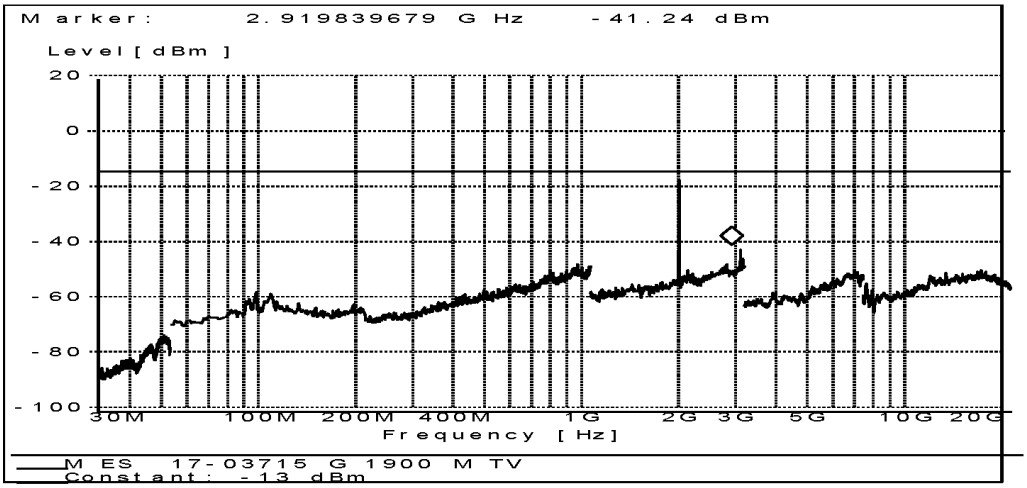


MEASUREMENT RESULT: "result2"

2017/05/09 04:18nm

Frequency MHz	Level dBm	Limit dBm
103.206400	-56.66	-13.00
898.797600	-44.63	-13.00
2595.190400	-44.68	-13.00
2919.839700	-41.63	-13.00
6599.198400	-48.48	-13.00
16222.444900	-49.34	-13.00

2017/05/09 04:43nm

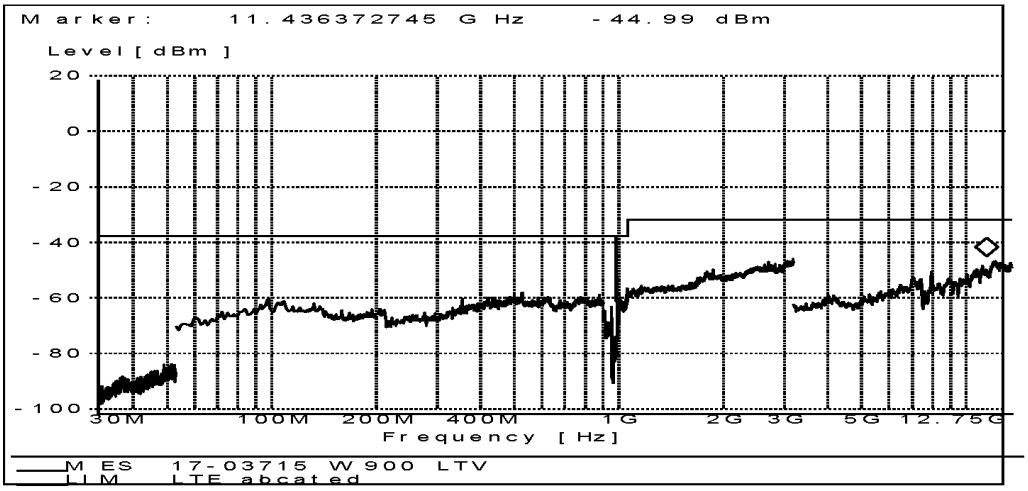


MEASUREMENT RESULT: "result2"

2017/05/09 04:18nm

Frequency MHz	Level dBm	Limit dBm
92.384800	-56.65	-13.00
911.823600	-46.44	-13.00
1344.689400	-53.80	-13.00
2919.899700	-41.24	-13.00
6583.166300	-48.58	-13.00
16222.444900	-48.73	-13.00

2017/05/09 04:39nm

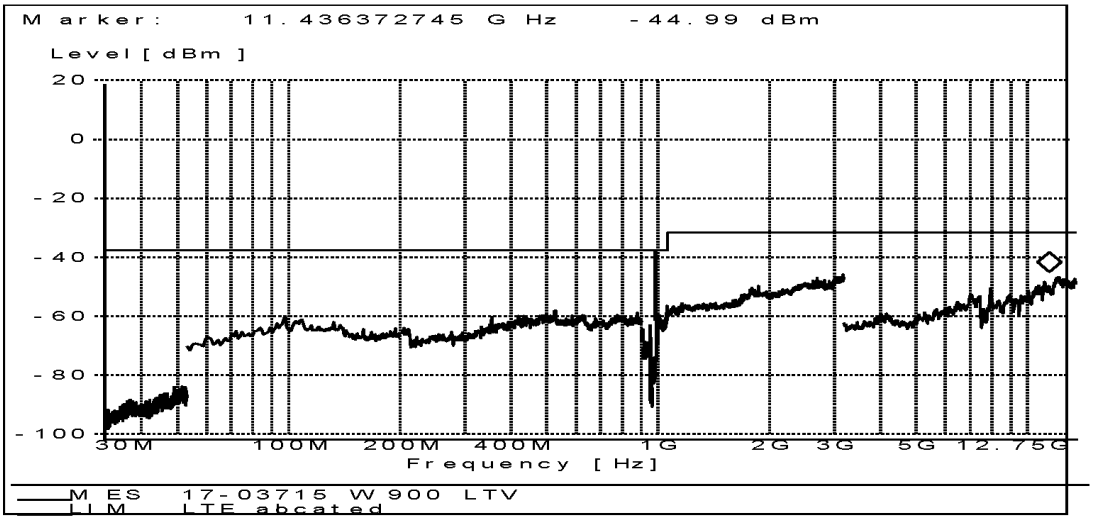


MEASUREMENT RESULT: "result2"

2017/05/09 05:30nm

Frequency MHz	Level dBm	Limit dBm
109.018000	-58.89	-13.00
742.084200	-48.44	-13.00
1306.613200	-48.13	-13.00
1653.306600	-46.14	-13.00
2907.414800	-46.84	-13.00
7495.491000	-49.27	-13.00

2017/05/09 06:01nm

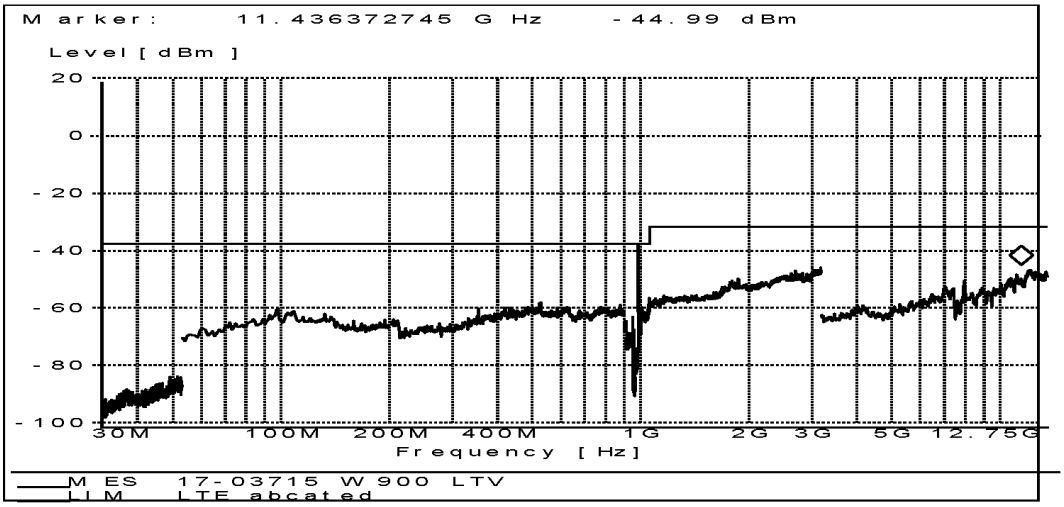


MEASUREMENT RESULT: "result2"

2017/05/09 05:30nm

Frequency MHz	Level dBm	Limit dBm
93.386800	-59.07	-13.00
710.821600	-49.26	-13.00
1365.531100	-48.70	-13.00
1751.503000	-44.15	-13.00
2994.388800	-46.54	-13.00
7495.491000	-48.89	-13.00

2017/05/09 06:06nm

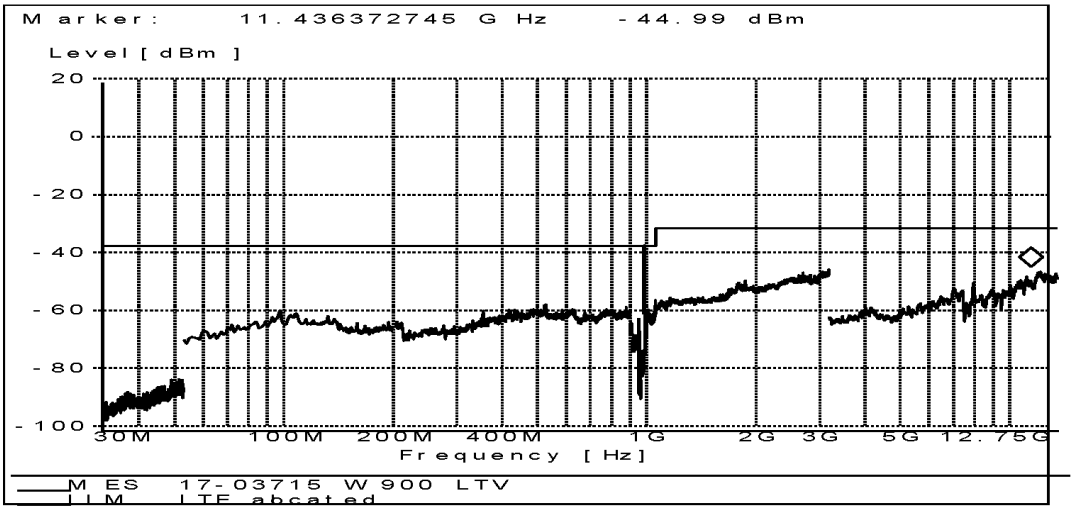


MEASUREMENT RESULT: "result2"

2017/05/09 05:30nm

Frequency MHz	Level dBm	Limit dBm
103.156300	-55.24	-13.00
736.222400	-49.08	-13.00
1371.543100	-48.04	-13.00
1653.306600	-46.14	-13.00
2997.194400	-46.93	-13.00
7495.491000	-48.77	-13.00

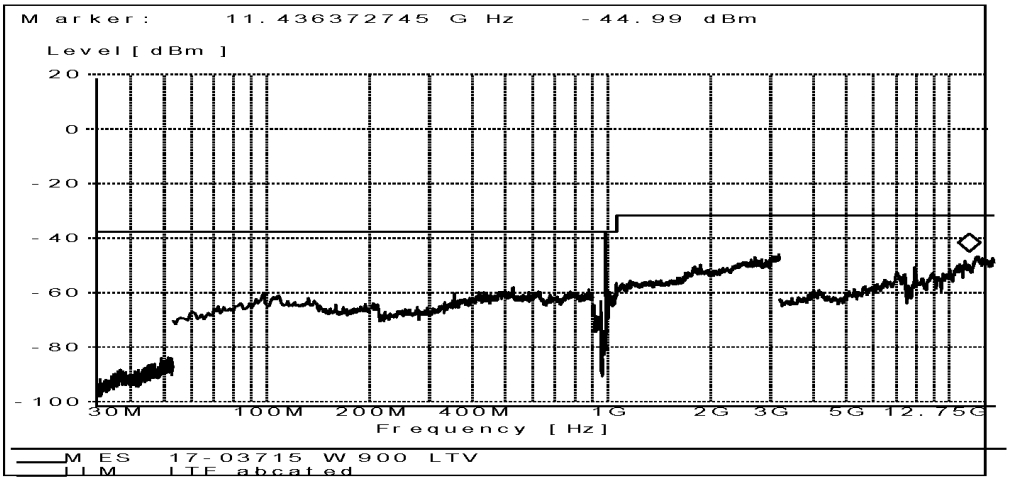
2017/05/09 05:35nm



MEASUREMENT RESULT: "result2"

2017/05/09 05:30nm

Frequency MHz	Level dBm	Limit dBm
101.202400	-57.66	-13.00
761.323200	-49.19	-13.00
1322.224400	-48.23	-13.00
1743.086200	-49.44	-13.00
2997.194400	-49.09	-13.00
7495.491000	-48.48	-13.00

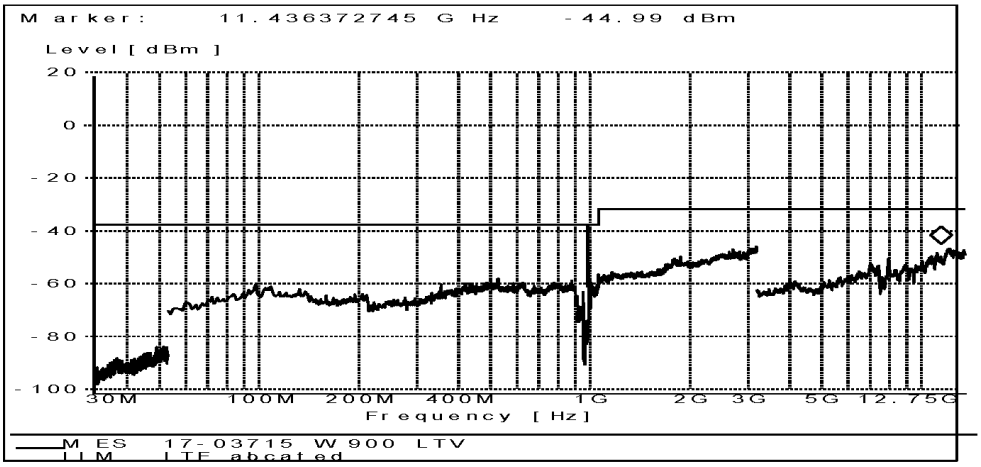


MEASUREMENT RESULT: "result2"

2017/05/09 05:30nm

Frequency MHz	Level dBm	Limit dBm
128.557100	-59.58	-13.00
753.807600	-48.12	-13.00
1416.032100	-48.45	-13.00
1670.140300	-40.40	-13.00
2994.388800	-46.69	-13.00
7483.968000	-49.66	-13.00

2017/05/09 06:19nm

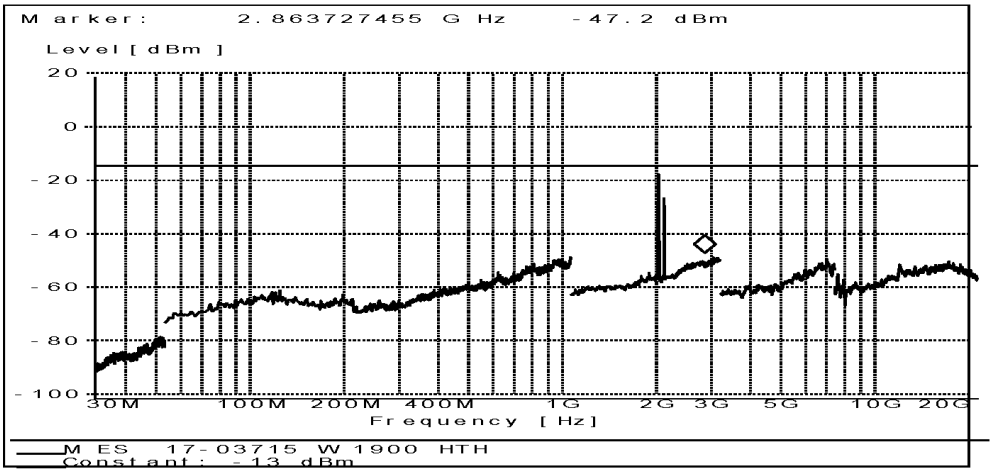


MEASUREMENT RESULT: "result2"

2017/05/09 05:30nm

Frequency MHz	Level dBm	Limit dBm
85.571100	-59.62	-13.00
755.761500	-49.32	-13.00
1317.434900	-48.14	-13.00
1667.334700	-50.50	-13.00
2991.583200	-45.91	-13.00
7495.491000	-49.20	-13.00

2017/05/09 06:15nm

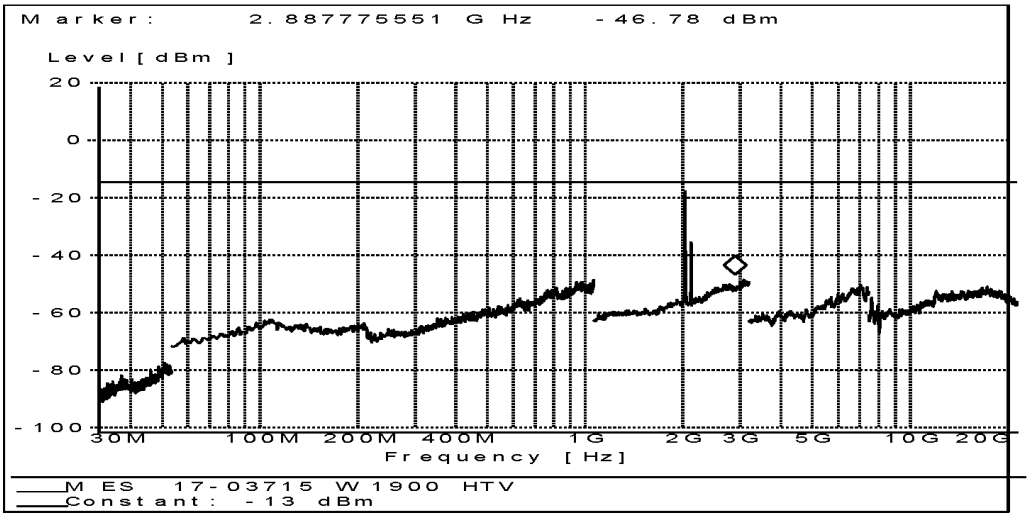


MEASUREMENT RESULT: "result2"

2017/05/09 05:30nm

Frequency MHz	Level dBm	Limit dBm
116.733400	-59.33	-13.00
936.873700	-47.56	-13.00
2863.727500	-47.20	-13.00
4010.002000	-57.44	-13.00
6583.166300	-47.79	-13.00
16193.386800	-48.65	-13.00

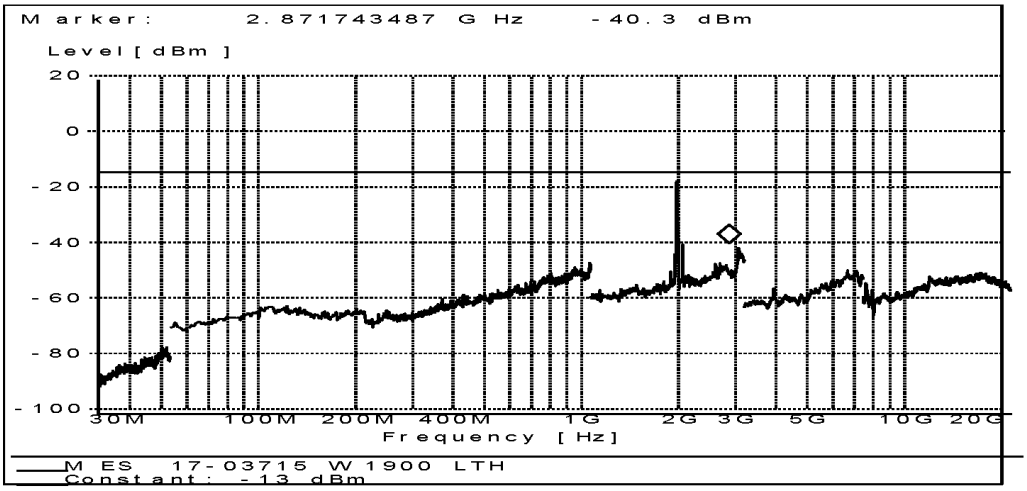
2017/05/09 06:49nm



MEASUREMENT RESULT: "result2"

2017/05/09 06:54nm

Frequency MHz	Level dBm	Limit dBm
98.742500	-58.24	-13.00
977.924700	-44.35	-13.00
1724.245000	-48.52	-13.00
2724.542700	-47.42	-13.00
6922.357800	-49.22	-13.00
16278.754600	-49.14	-13.00

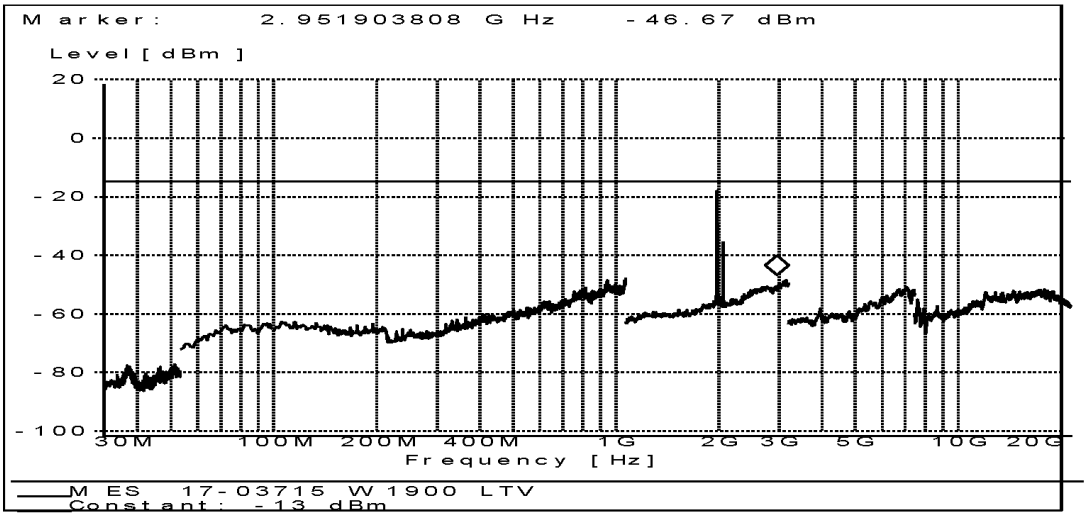


MEASUREMENT RESULT: "result2"

2017/05/09 05:30nm

Frequency MHz	Level dBm	Limit dBm
114.929900	-61.22	-13.00
996.994000	-45.55	-13.00
2871.743500	-40.30	-13.00
3697.394800	-54.92	-13.00
6270.541100	-48.32	-13.00
16207.915800	-49.20	-13.00

2017/05/09 06:27nm

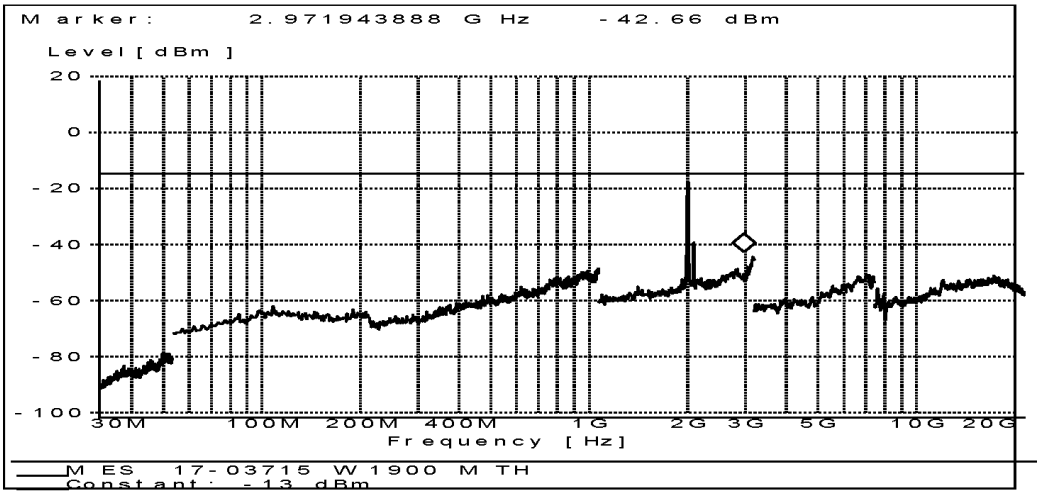


MEASUREMENT RESULT: "result2"

2017/05/09 05:30nm

Frequency MHz	Level dBm	Limit dBm
107.715400	-60.93	-13.00
888.777600	-46.82	-13.00
2951.903800	-46.67	-13.00
3705.410800	-56.32	-13.00
6623.246500	-48.98	-13.00
16745.491000	-49.78	-13.00

2017/05/09 06:32nm

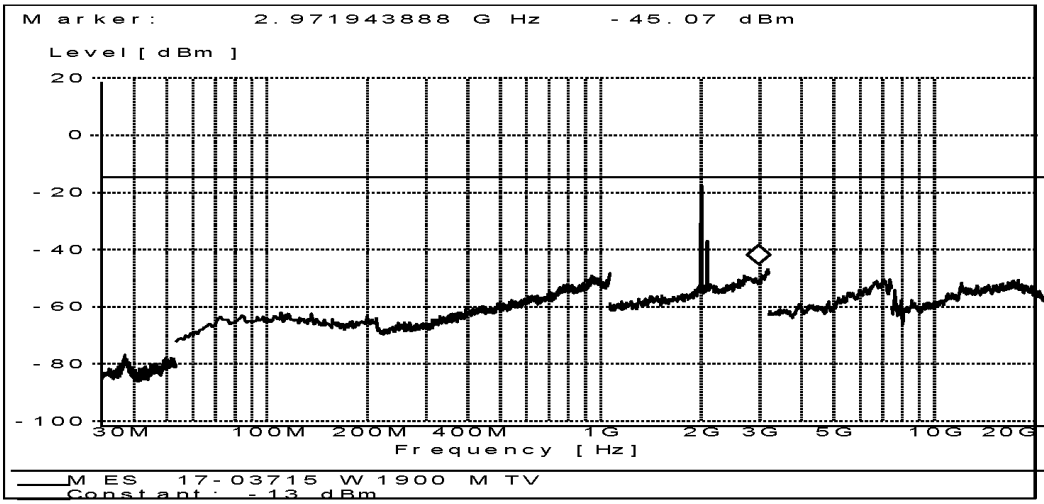


MEASUREMENT RESULT: "result2"

2017/05/09 05:30nm

Frequency MHz	Level dBm	Limit dBm
101.402800	-60.15	-13.00
925.851700	-47.72	-13.00
2971.943900	-42.66	-13.00
3721.442900	-58.09	-13.00
6599.198400	-48.99	-13.00
16164.328700	-49.29	-13.00

2017/05/09 06:43nm



MEASUREMENT RESULT: "result2"

2017/05/09 05:30nm

Frequency MHz	Level dBm	Limit dBm
103.206400	-60.31	-13.00
882.765500	-47.35	-13.00
2971.943900	-45.07	-13.00
3721.442900	-57.23	-13.00
6615.230400	-48.55	-13.00
16730.961900	-48.87	-13.00

2017/05/09 06:38nm