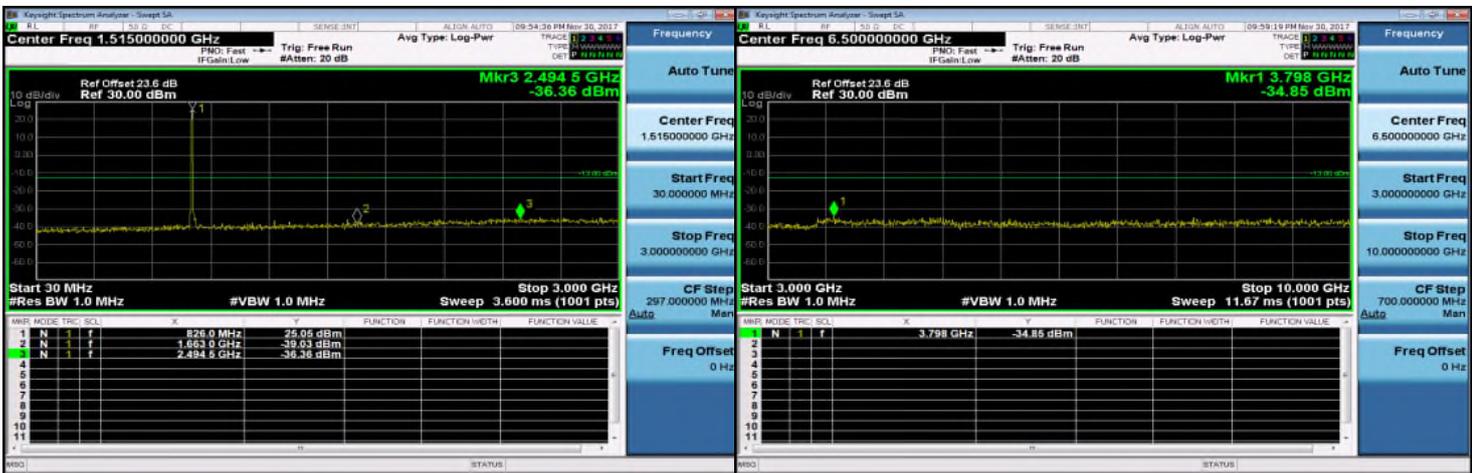


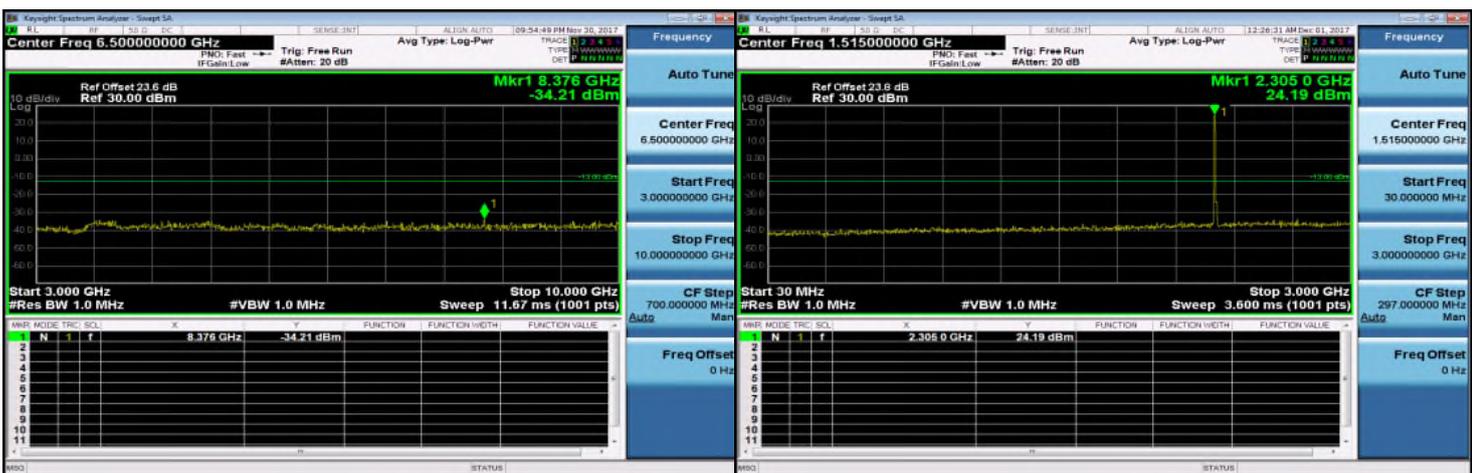
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3GHz~10GHz_Band26_15MHz_QPSK_1_0_MidCH26865-831.5

30MHz~3GHz_Band30_5MHz_QPSK_1_0_LowCH27685



30MHz~3GHz_Band26_15MHz_QPSK_1_0_HighCH26965-841.5

3GHz~20GHz_Band30_5MHz_QPSK_1_0_LowCH27685

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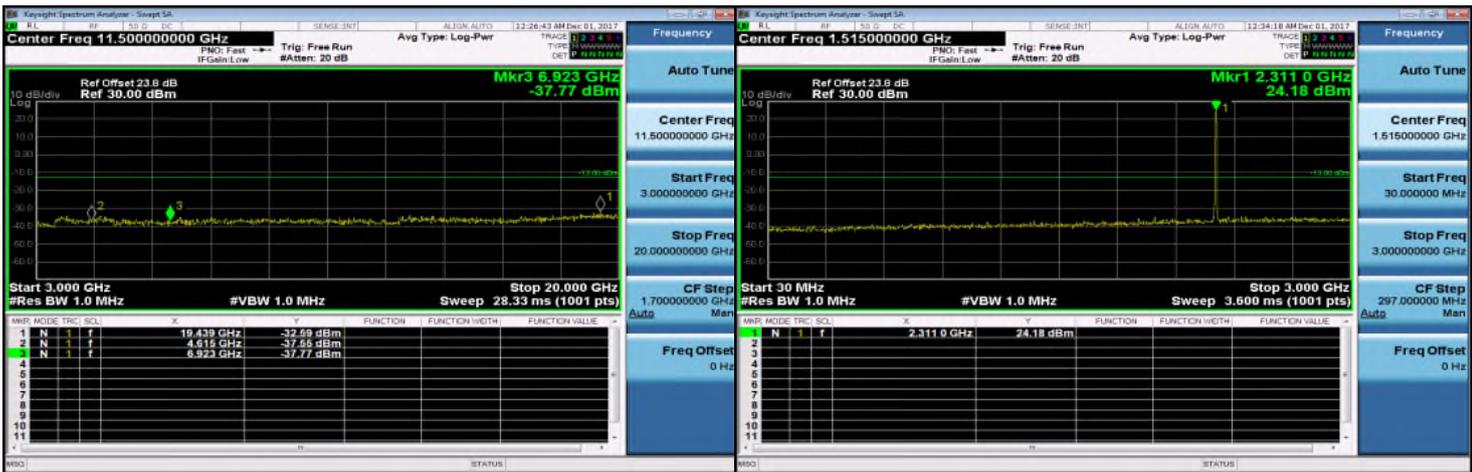
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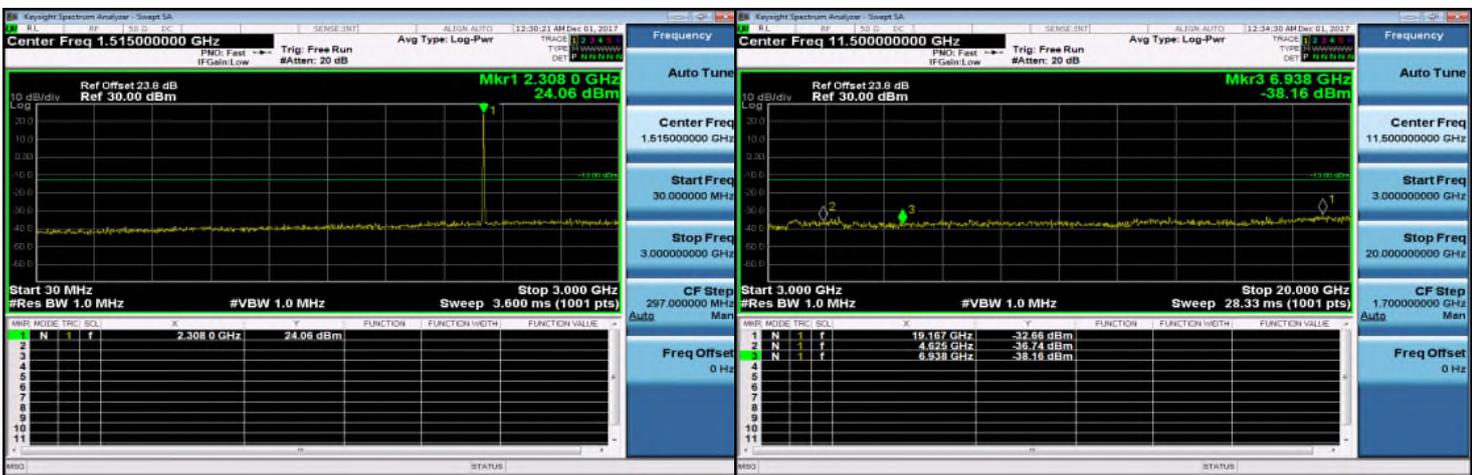
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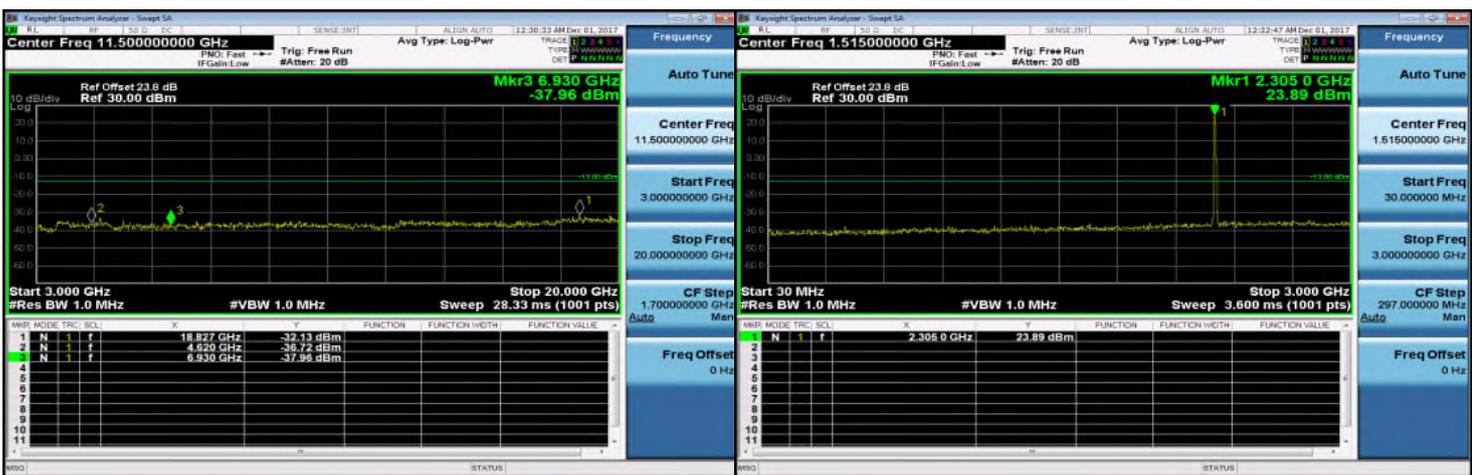
30MHz~3GHz_Band30_5MHz_QPSK_1_0_MidCH27710

3GHz~20GHz_Band30_5MHz_QPSK_1_0_HighCH27735



3GHz~20GHz_Band30_5MHz_QPSK_1_0_MidCH27710

30MHz~3GHz_Band30_10MHz_QPSK_1_0_MidCH27710



30MHz~3GHz_Band30_5MHz_QPSK_1_0_HighCH27735

3GHz~20GHz_Band30_10MHz_QPSK_1_0_MidCH27710

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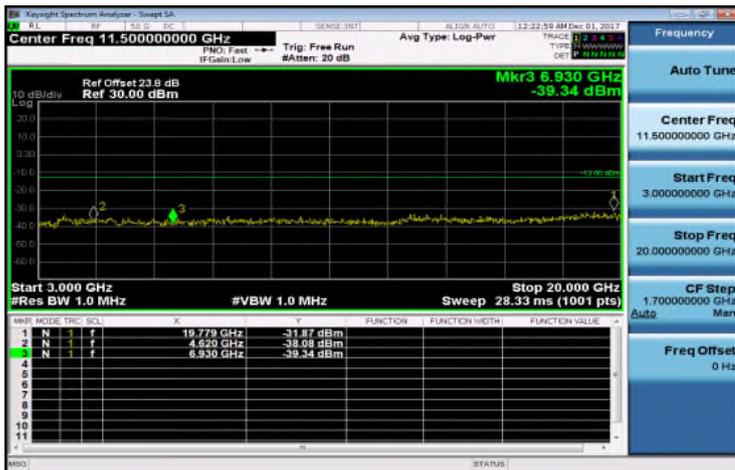
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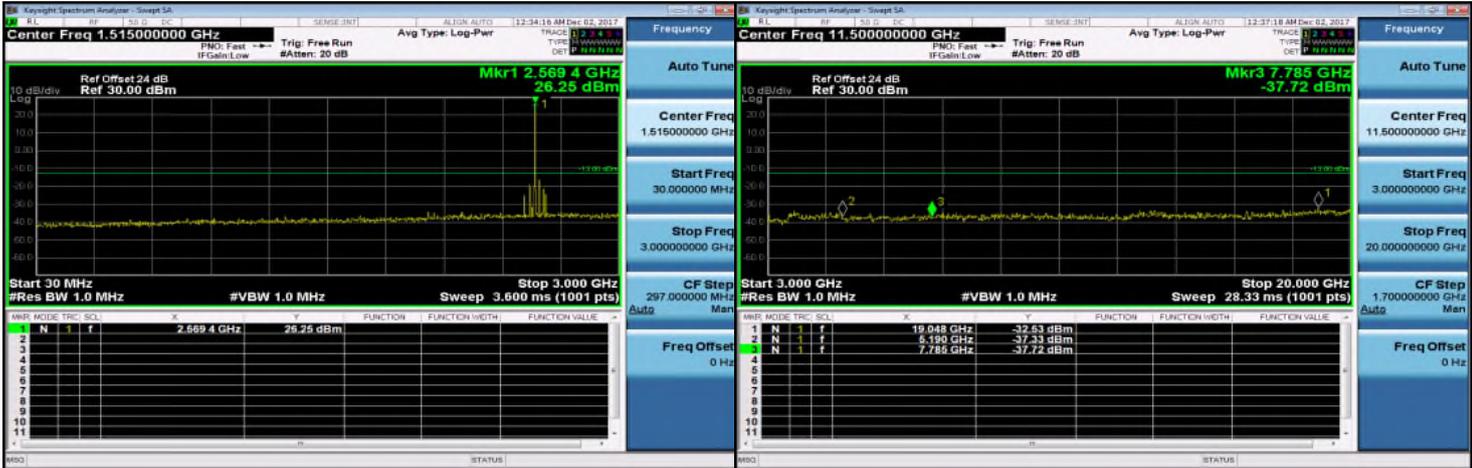
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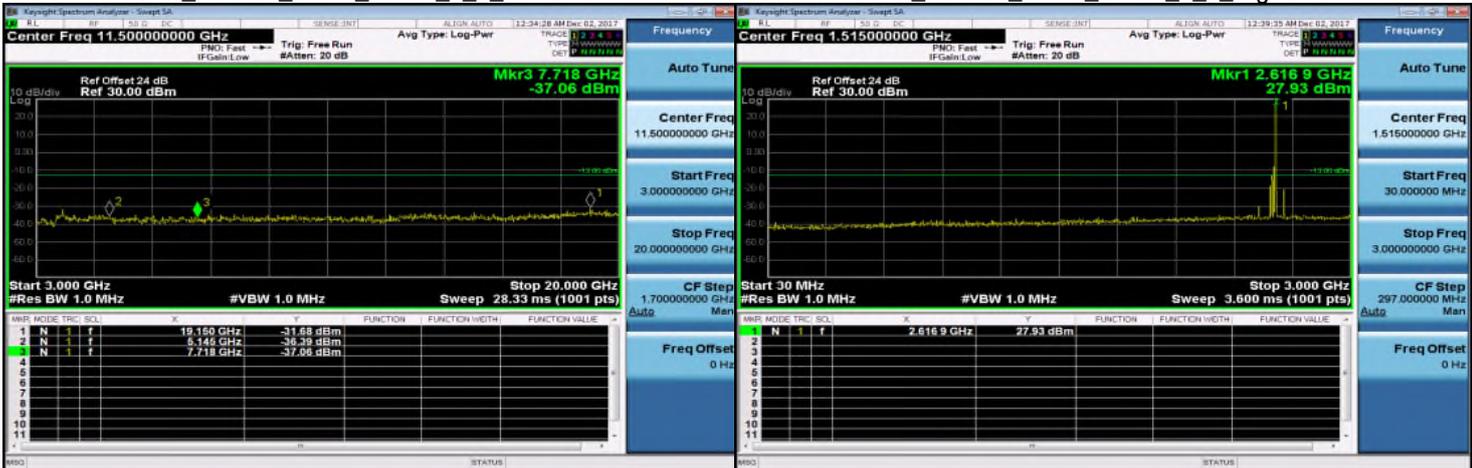
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3GHz~20GHz_Band38_5MHz_QPSK_1_0_MidCH38000



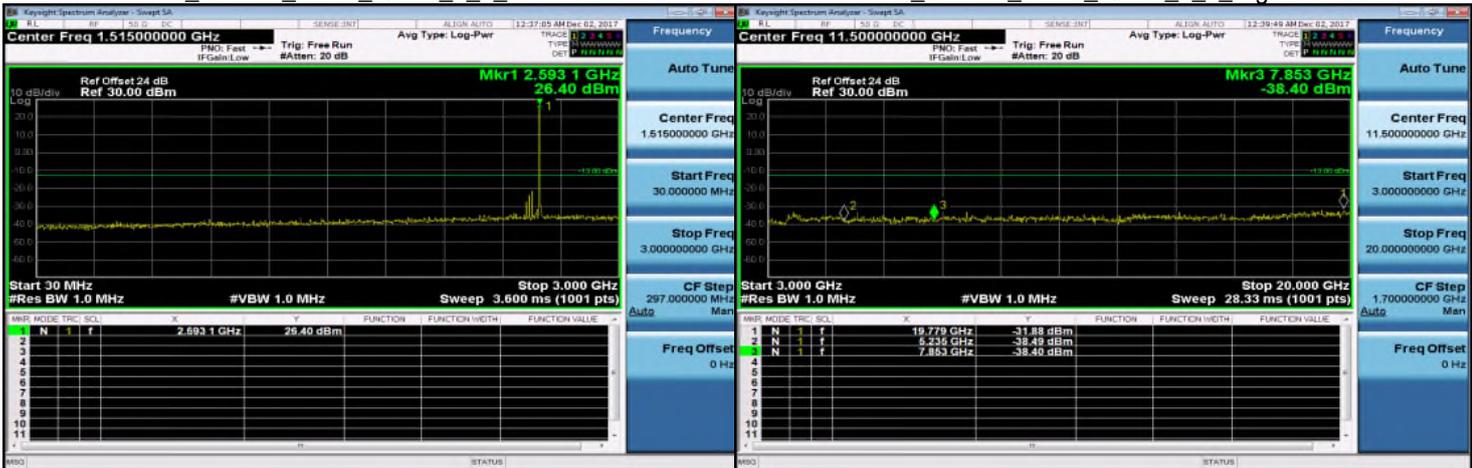
3GHz~20GHz_Band38_5MHz_QPSK_1_0_LowCH37775

30MHz~3GHz_Band38_5MHz_QPSK_1_0_HighCH38225



30MHz~3GHz_Band38_5MHz_QPSK_1_0_MidCH38000

3GHz~20GHz_Band38_5MHz_QPSK_1_0_HighCH38225



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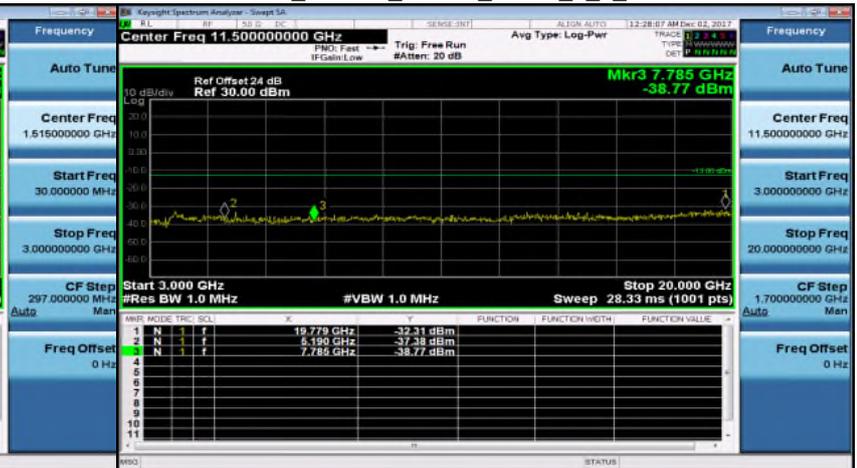
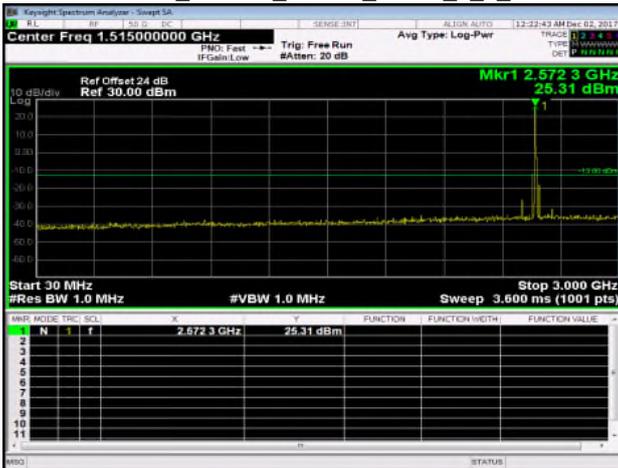
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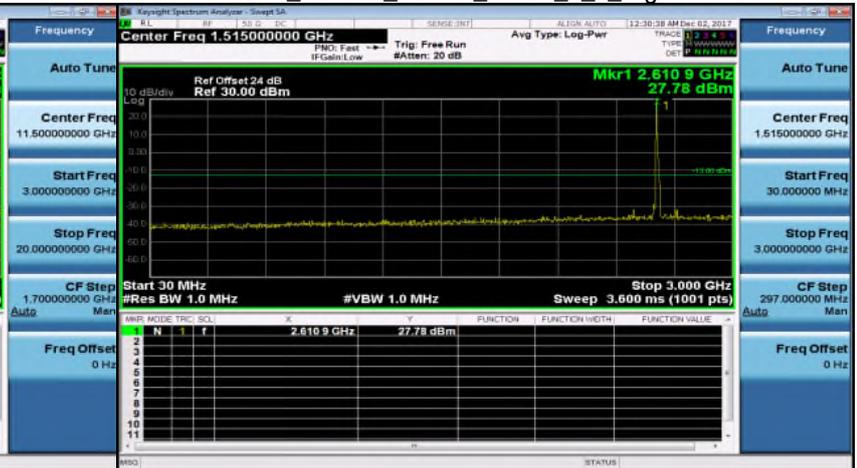
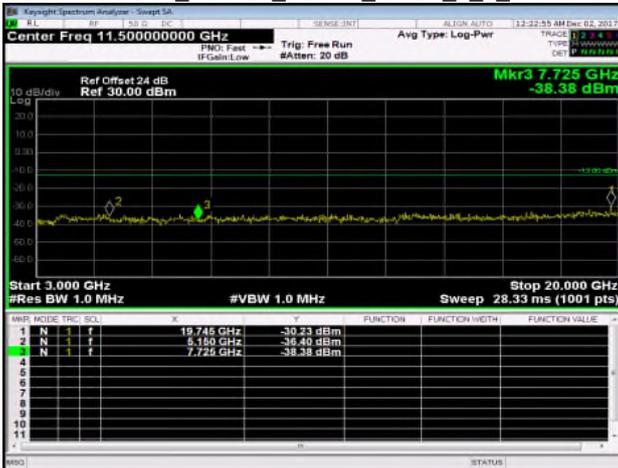
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3GHz~20GHz_Band38_10MHz_QPSK_1_0_MidCH38000



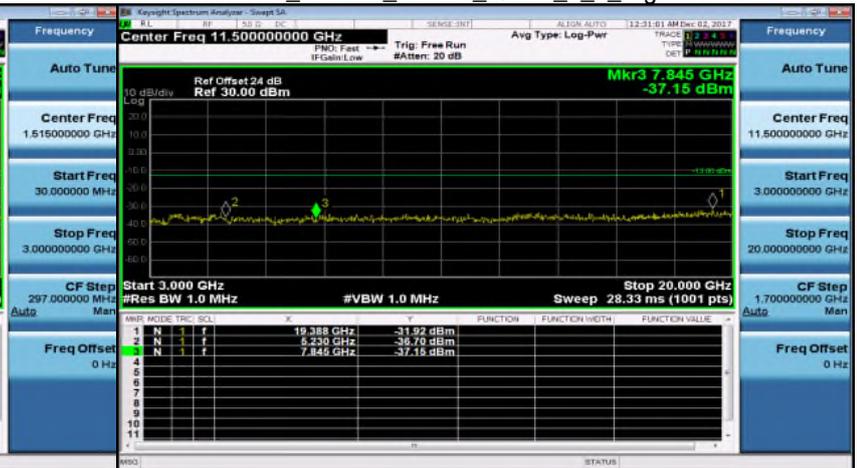
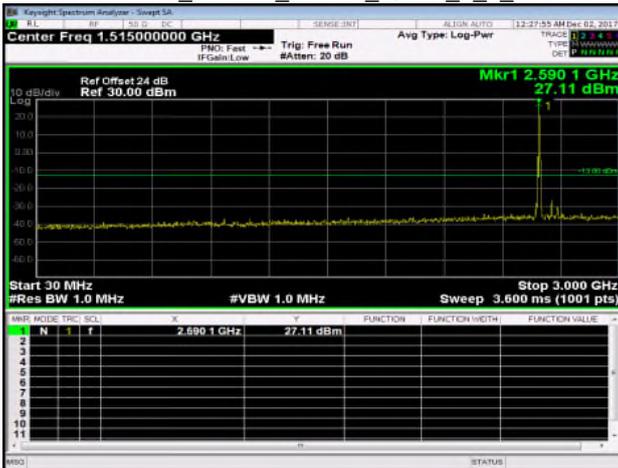
3GHz~20GHz_Band38_10MHz_QPSK_1_0_LowCH37800

30MHz~3GHz_Band38_10MHz_QPSK_1_0_HighCH38200



30MHz~3GHz_Band38_10MHz_QPSK_1_0_MidCH38000

3GHz~20GHz_Band38_10MHz_QPSK_1_0_HighCH38200



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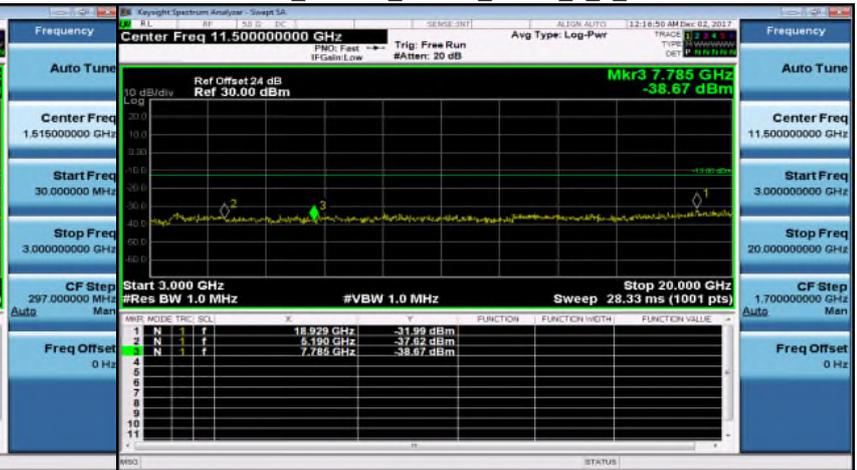
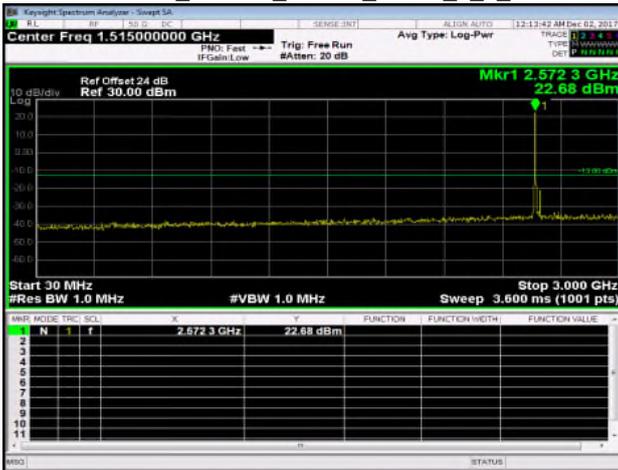
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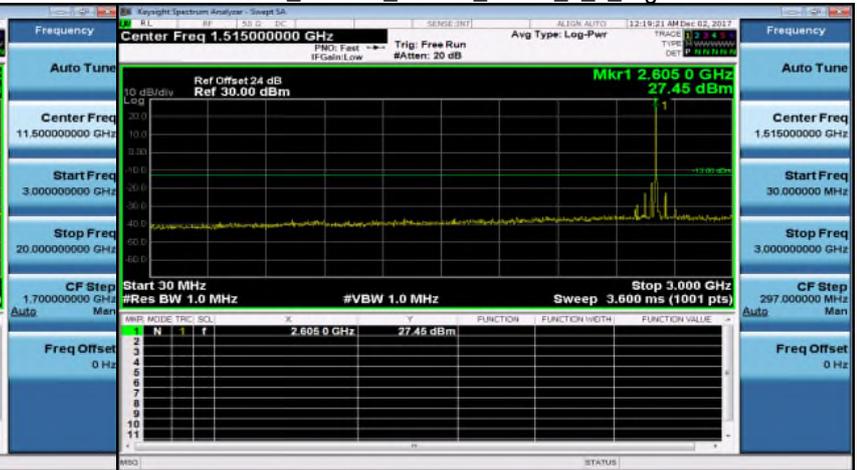
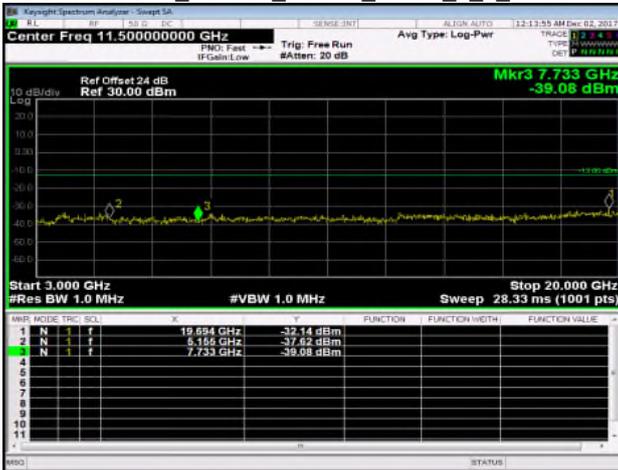
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3GHz~20GHz_Band38_15MHz_QPSK_1_0_MidCH38000



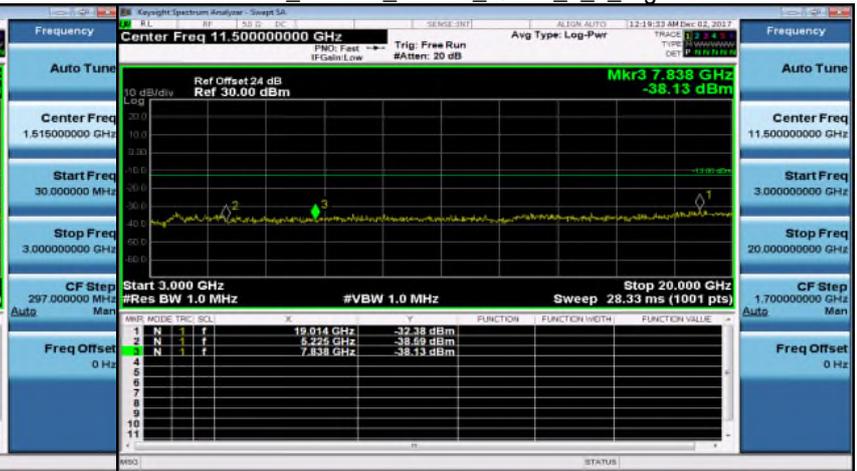
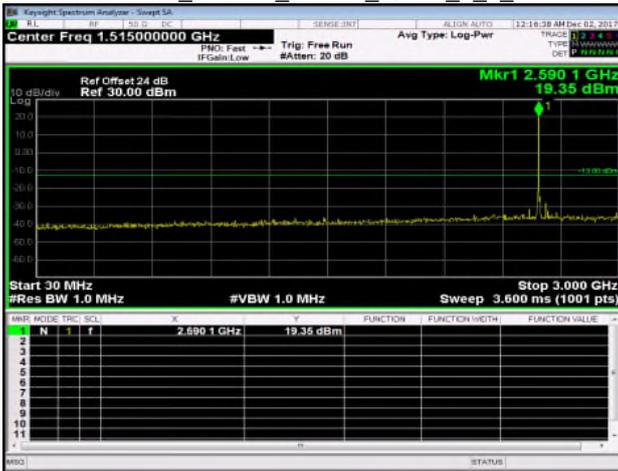
3GHz~20GHz_Band38_15MHz_QPSK_1_0_LowCH37825

30MHz~3GHz_Band38_15MHz_QPSK_1_0_HighCH38175



30MHz~3GHz_Band38_15MHz_QPSK_1_0_MidCH38000

3GHz~20GHz_Band38_15MHz_QPSK_1_0_HighCH38175



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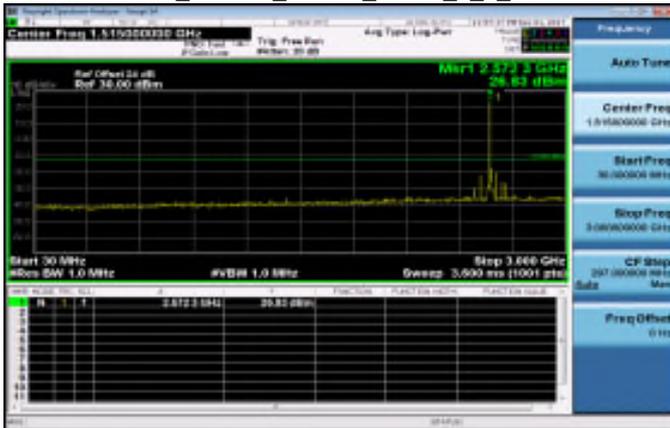
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30MHz~3GHz_Band38_20MHz_QPSK_1_0_LowCH37850



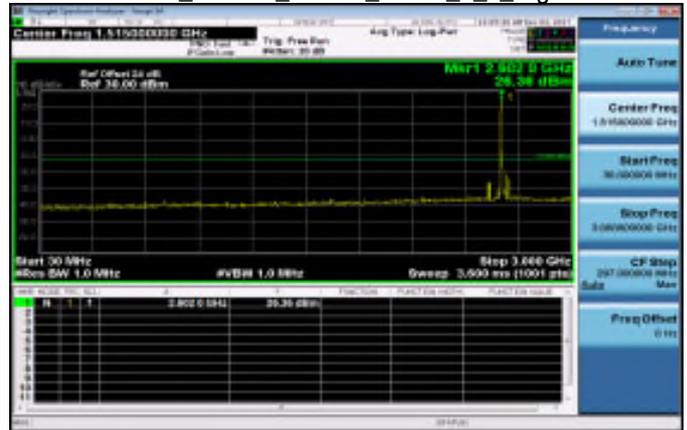
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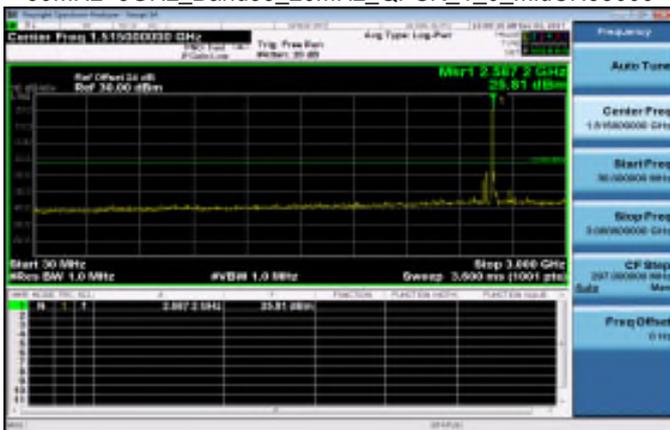
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30MHz~3GHz_Band38_20MHz_QPSK_1_0_HighCH38150



30MHz~3GHz_Band38_20MHz_QPSK_1_0_MidCH38000



3GHz~20GHz_Band38_20MHz_QPSK_1_0_HighCH38150



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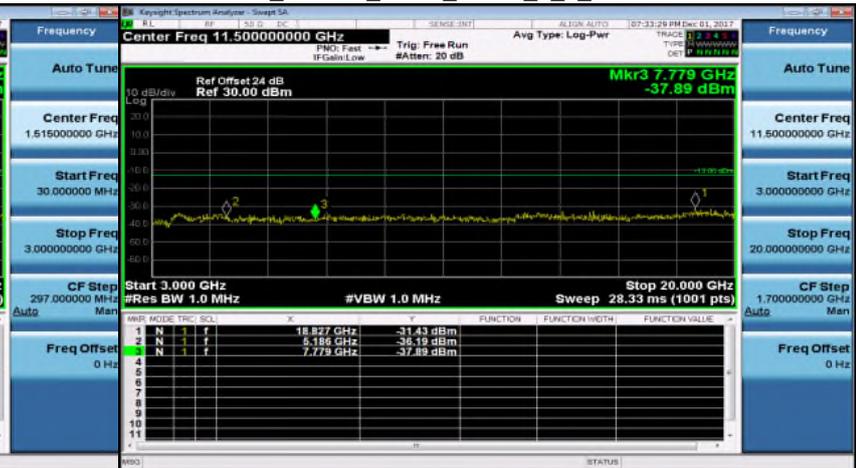
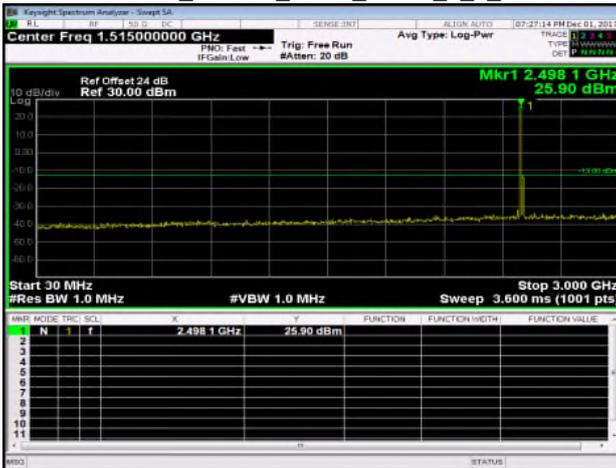
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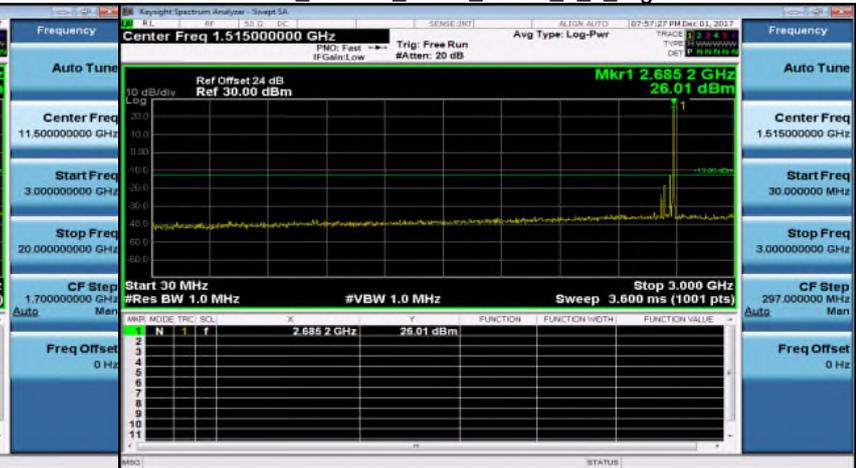
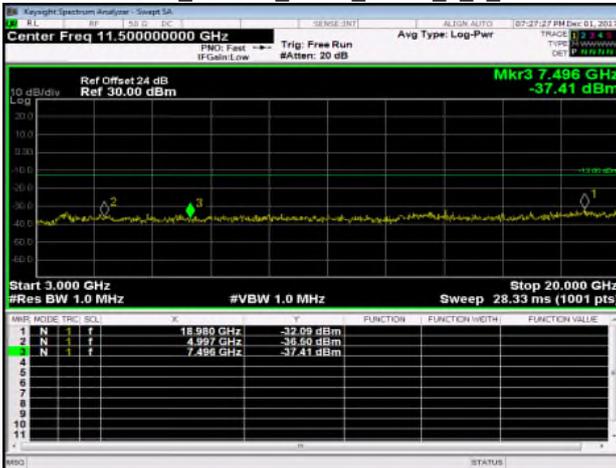
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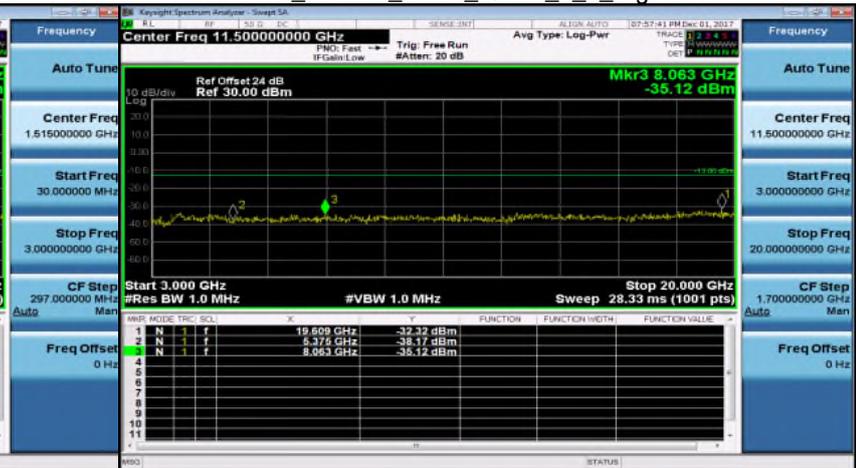
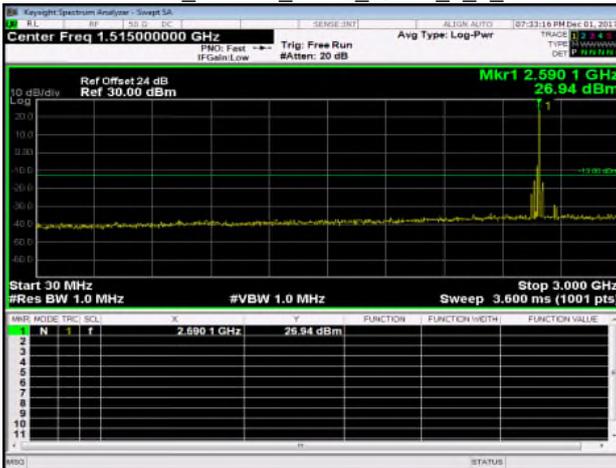
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30MHz~3GHz_Band41_5MHz_QPSK_1_0_High CH41565



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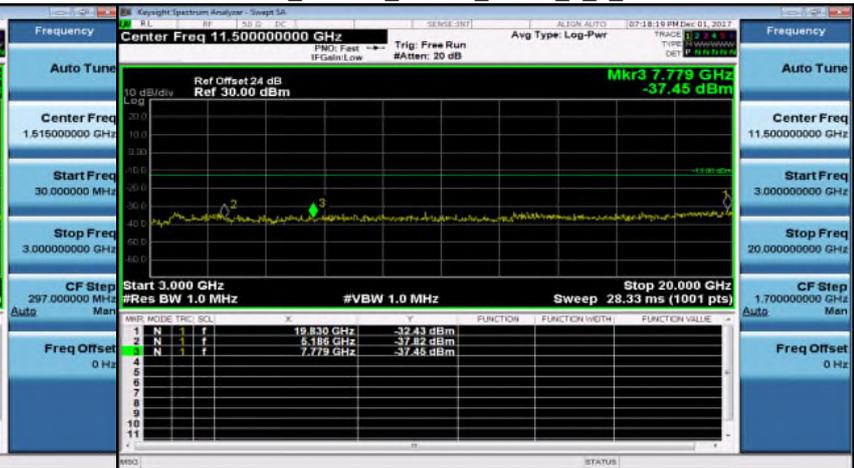
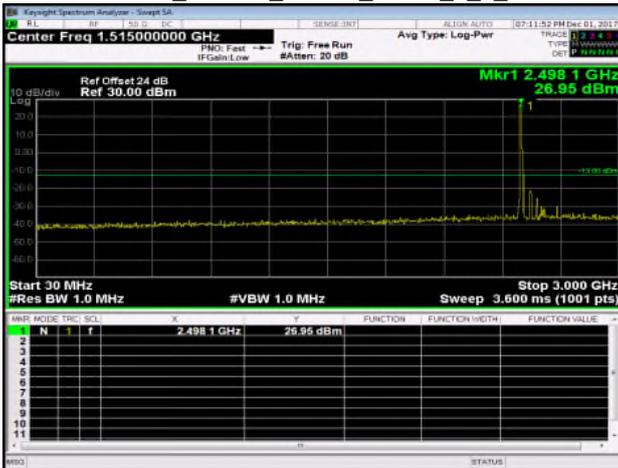


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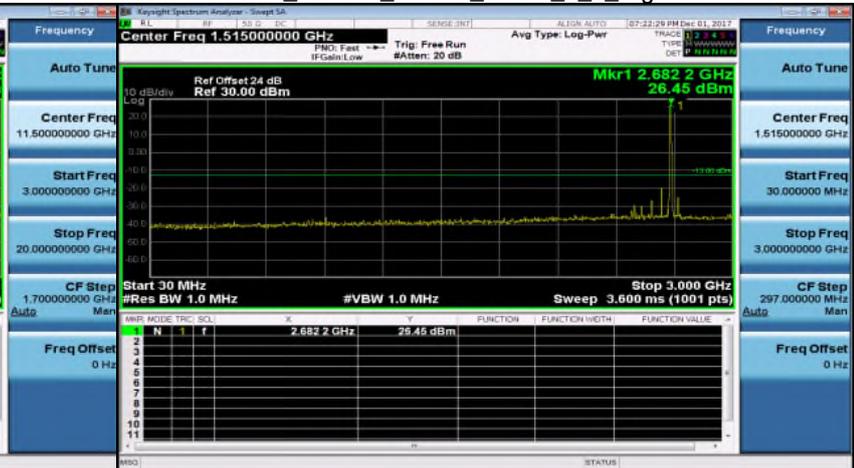
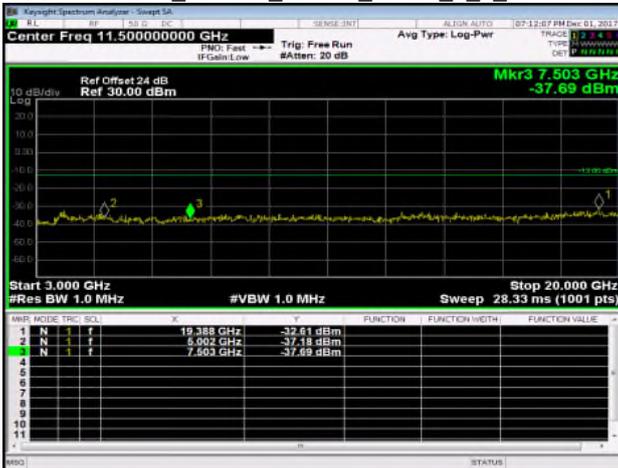
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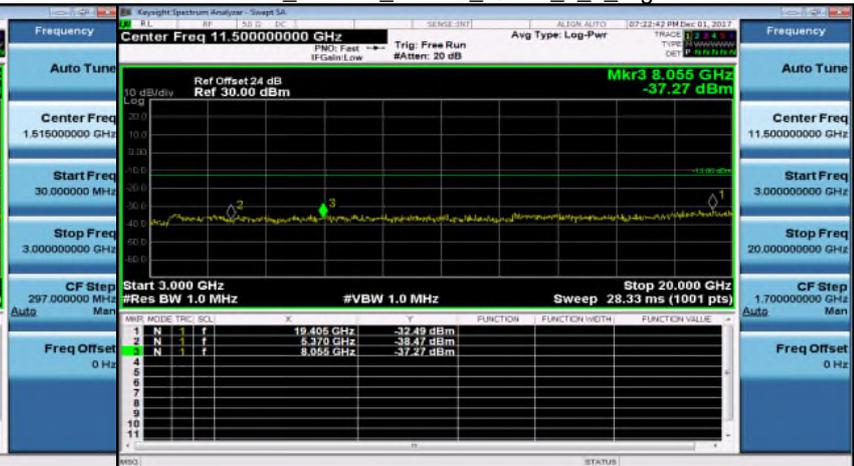
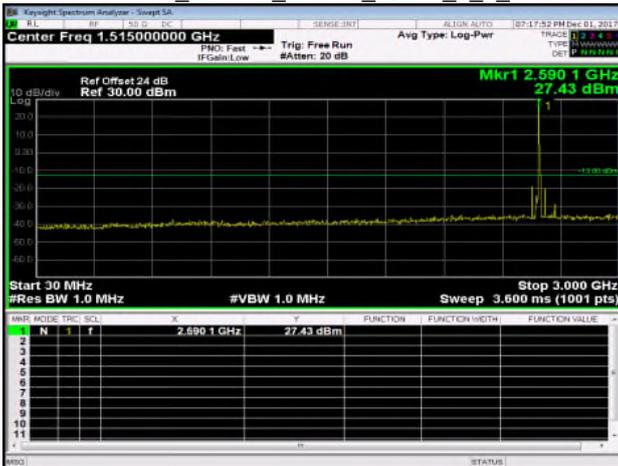
3GHz~20GHz_Band41_10MHz_QPSK_1_0_Low CH39700

30MHz~3GHz_Band41_10MHz_QPSK_1_0_High CH41540



30MHz~3GHz_Band41_10MHz_QPSK_1_0_Mid CH40620

3GHz~20GHz_Band41_10MHz_QPSK_1_0_High CH41540



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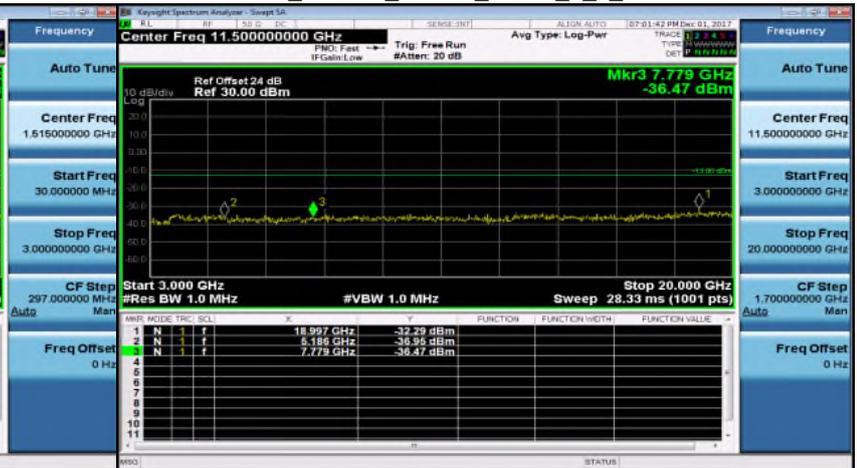
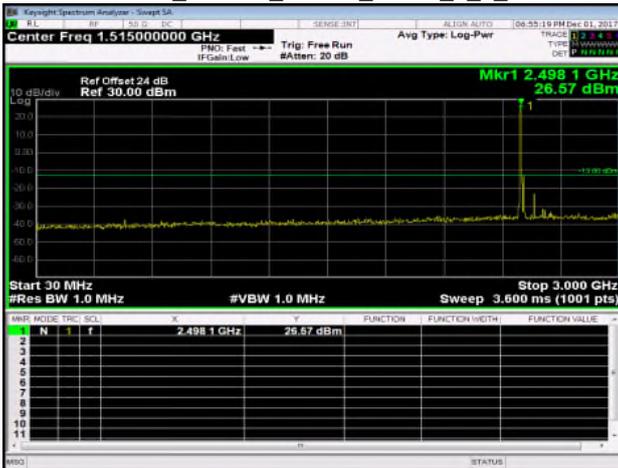
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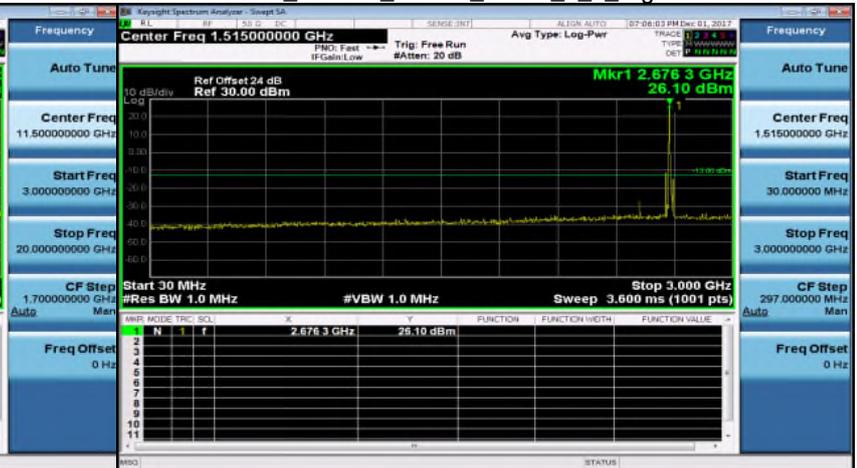
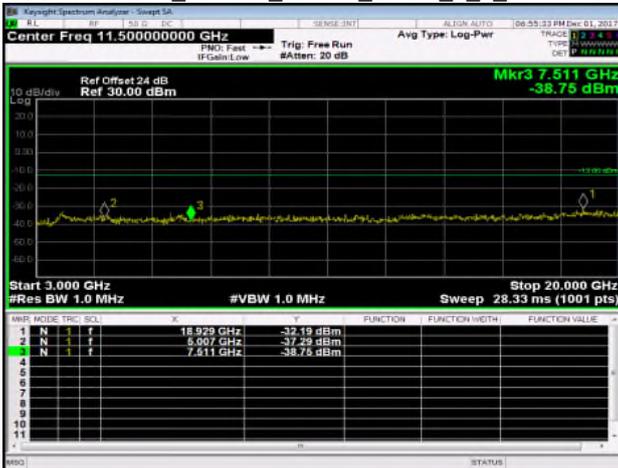
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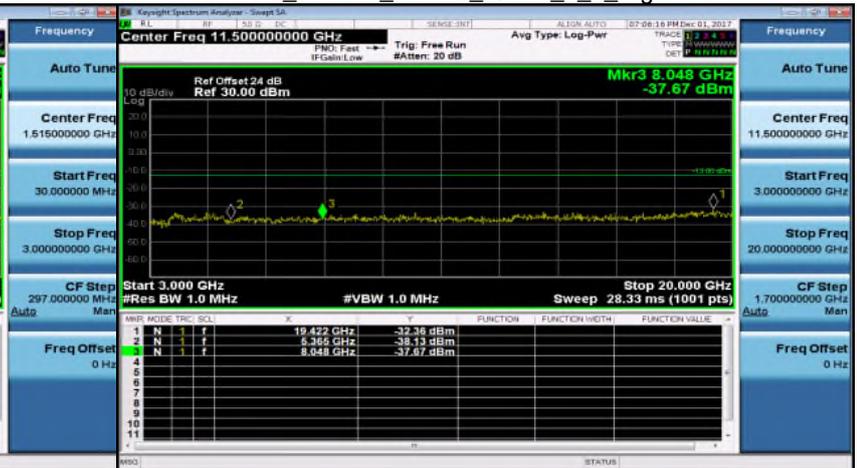
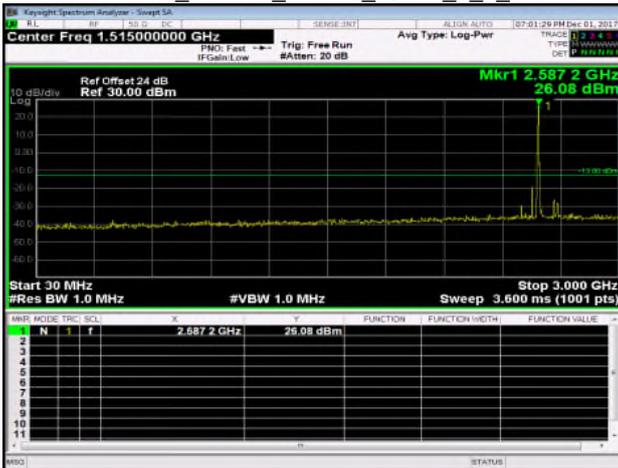
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30MHz~3GHz_Band41_15MHz_QPSK_1_0_High CH41515



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3GHz~20GHz_Band41_15MHz_QPSK_1_0_High CH41515



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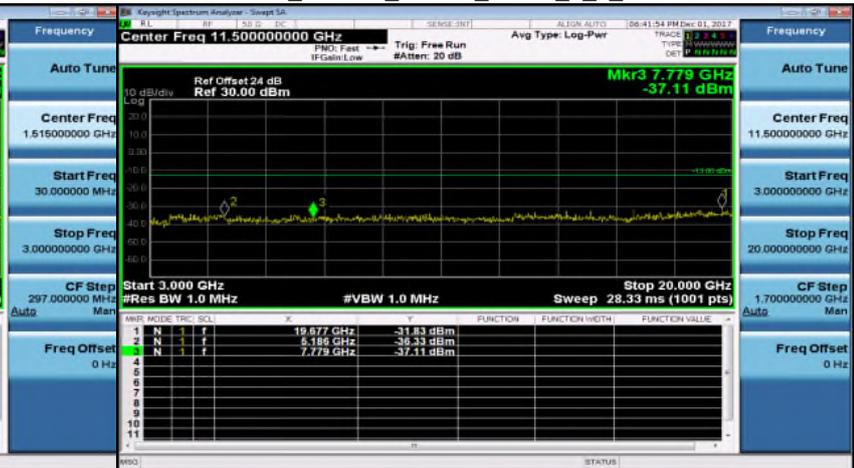
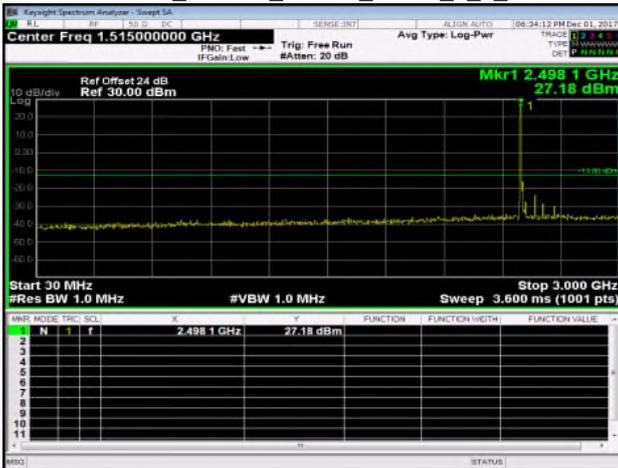
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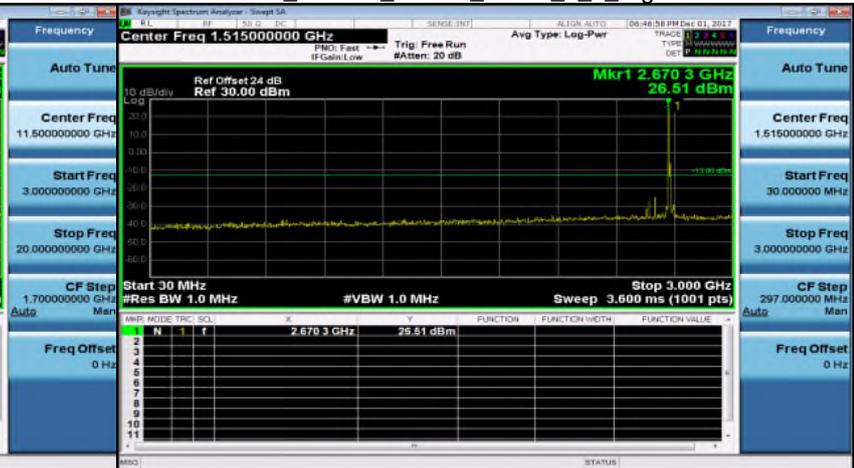
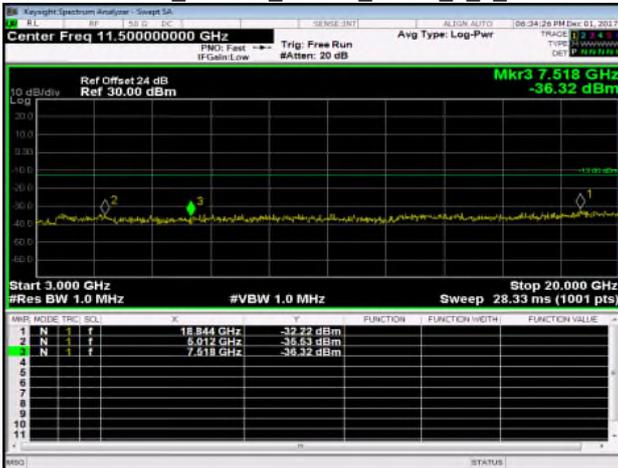
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3GHz~20GHz_Band41_20MHz_QPSK_1_0_Mid CH40620



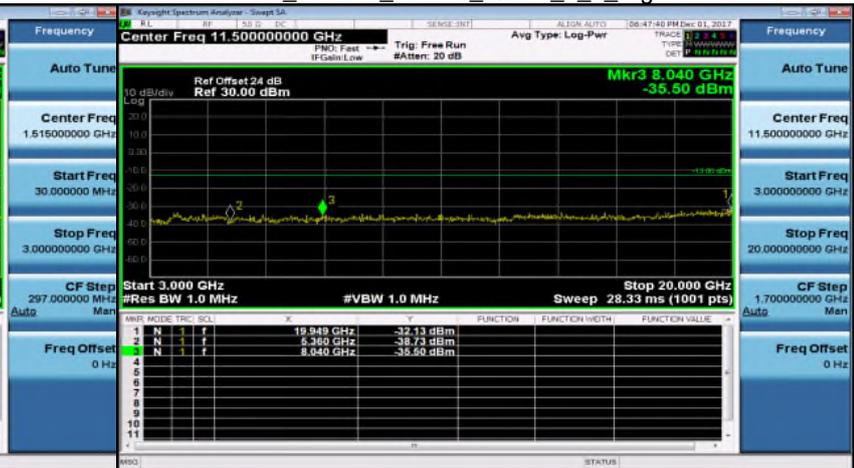
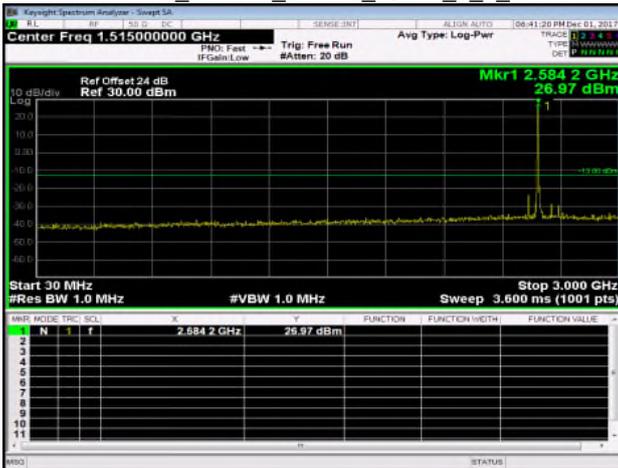
3GHz~20GHz_Band41_20MHz_QPSK_1_0_Low CH39750

30MHz~3GHz_Band41_20MHz_QPSK_1_0_High CH41490



30MHz~3GHz_Band41_20MHz_QPSK_1_0_Mid CH40620

3GHz~20GHz_Band41_20MHz_QPSK_1_0_High CH41490



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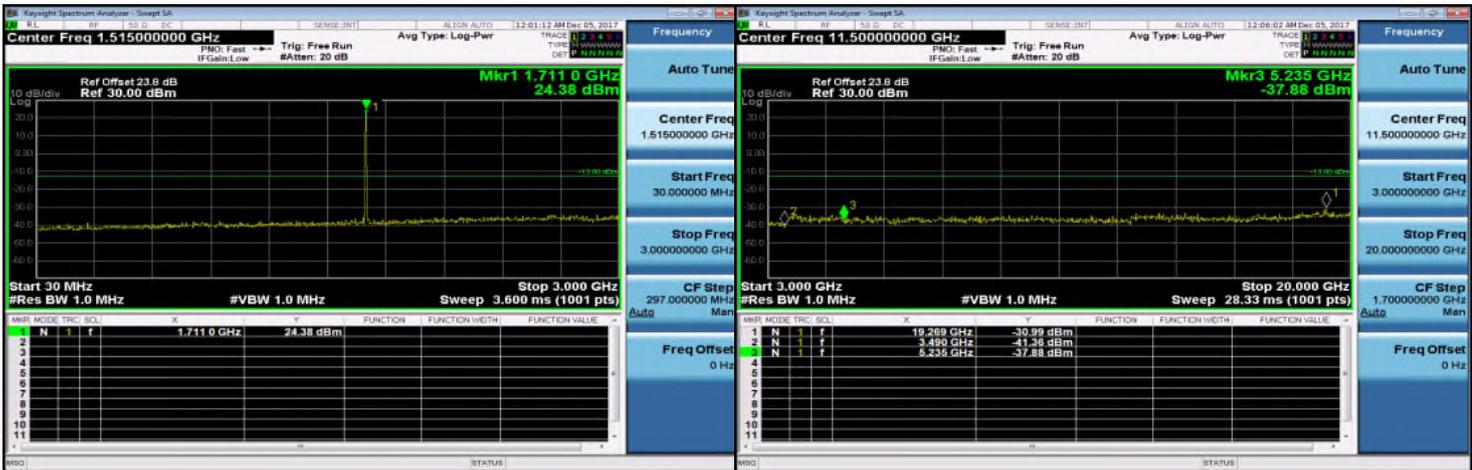
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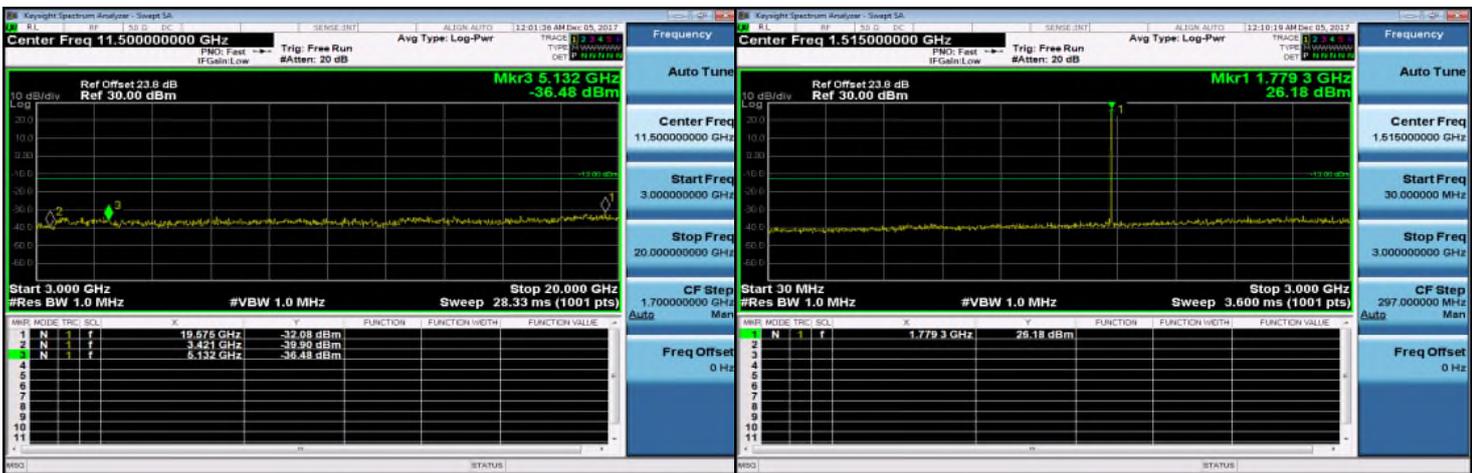
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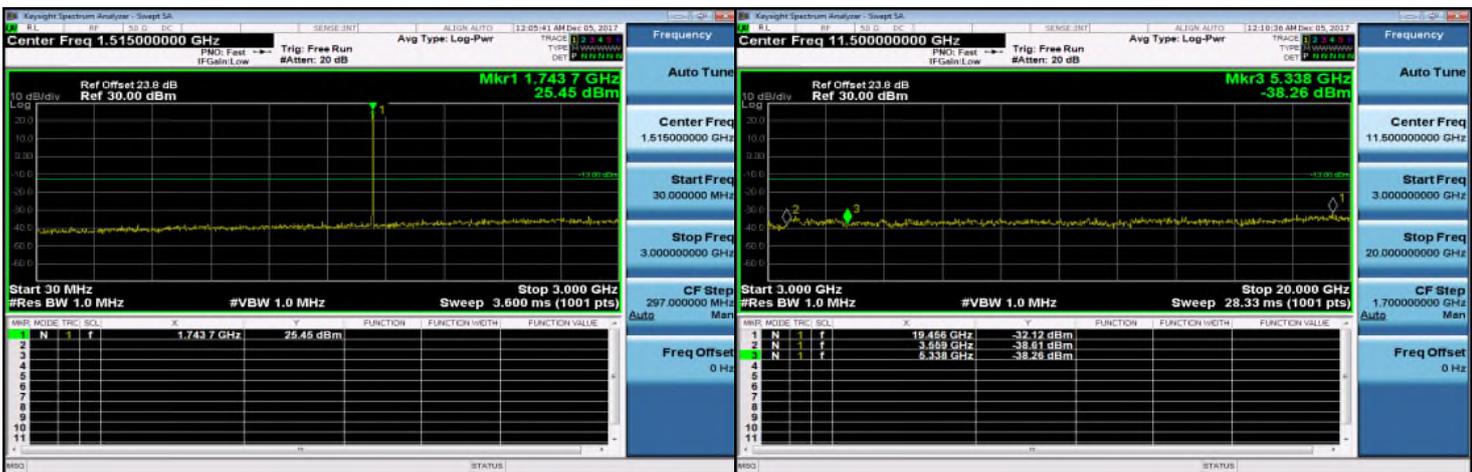
3GHz~20GHz_Band66_1_4MHz_QPSK_1_0_LowCH131979

30MHz~3GHz_Band66_1_4MHz_QPSK_1_0_HighCH132665



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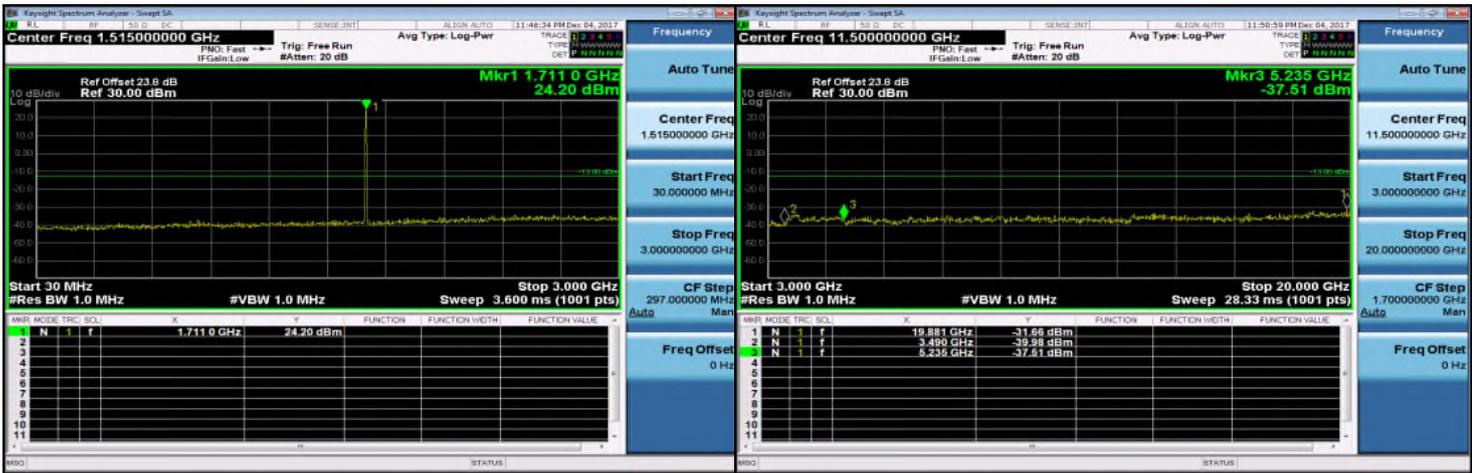


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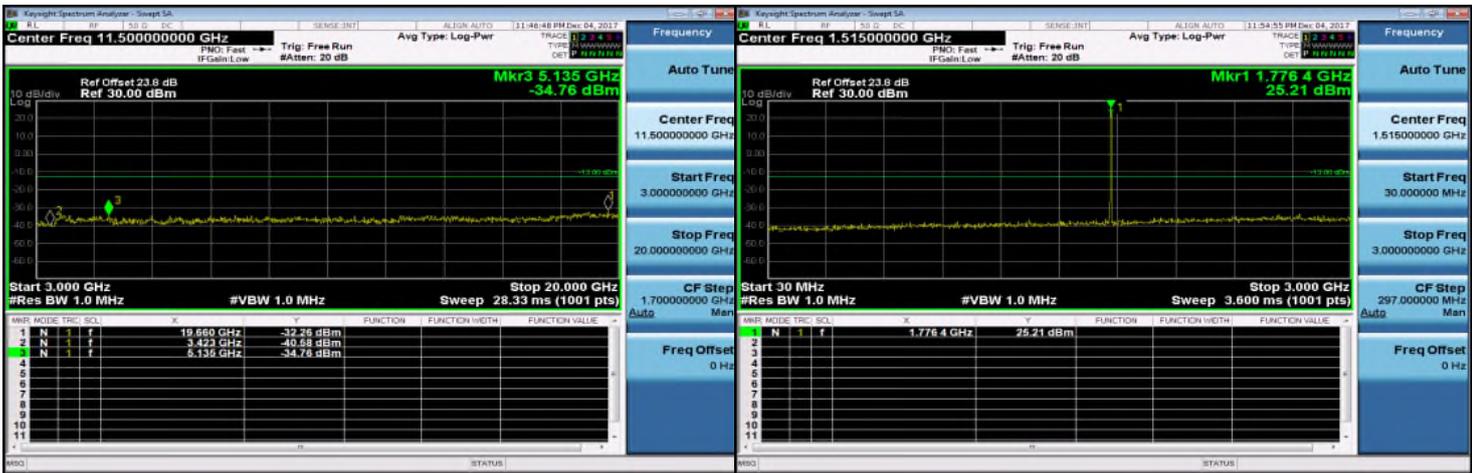
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3GHz~20GHz_Band66_3MHz_QPSK_1_0_MidCH132322



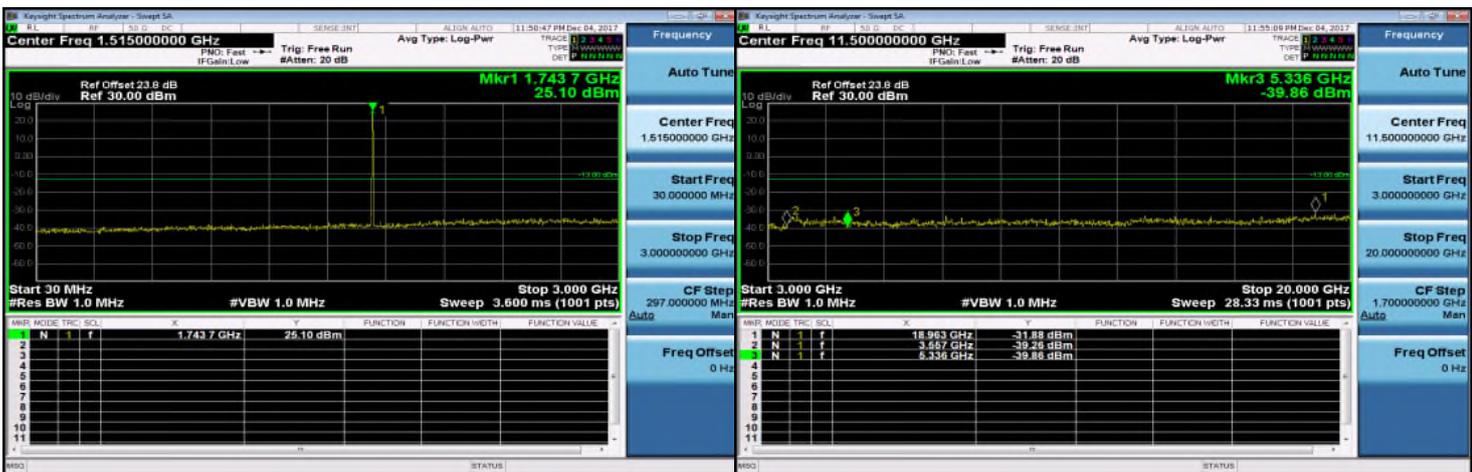
3GHz~20GHz_Band66_3MHz_QPSK_1_0_LowCH131987

30MHz~3GHz_Band66_3MHz_QPSK_1_0_HighCH132657



30MHz~3GHz_Band66_3MHz_QPSK_1_0_MidCH132322

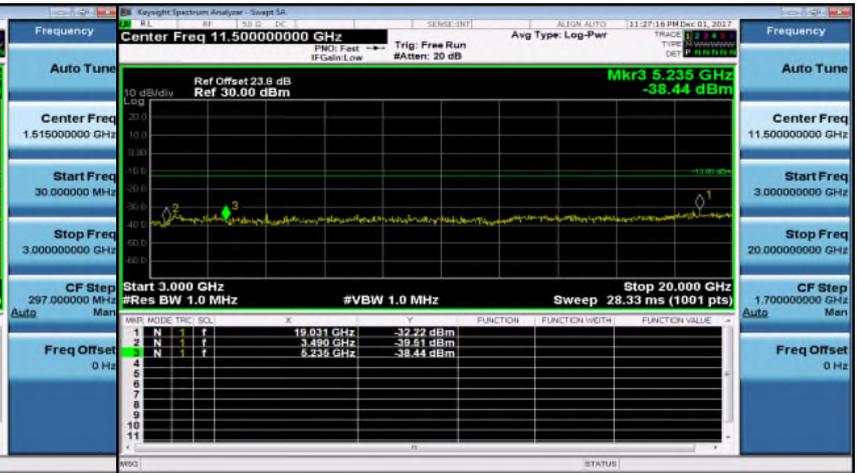
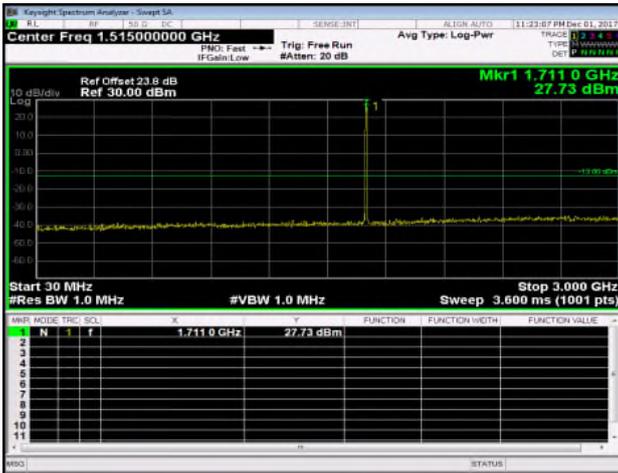
3GHz~20GHz_Band66_3MHz_QPSK_1_0_HighCH132657



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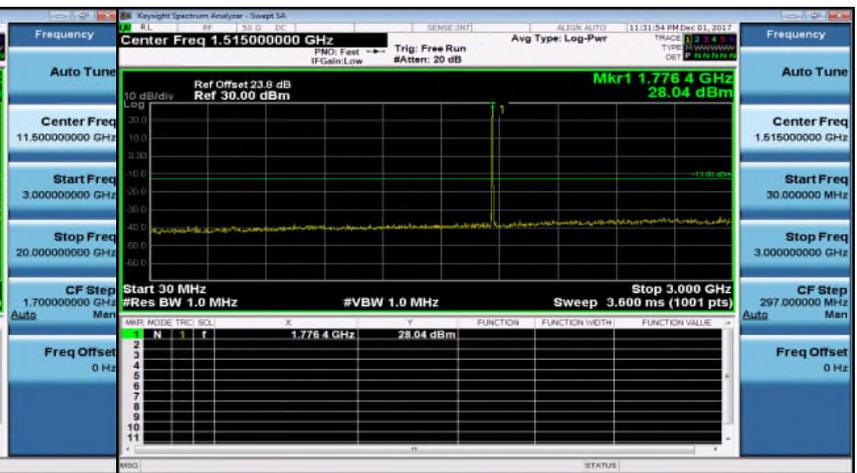
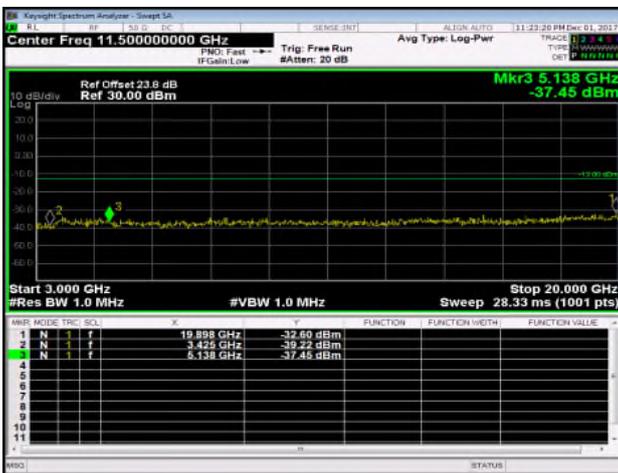
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3GHz~20GHz_Band66_5MHz_QPSK_1_0_MidCH132322



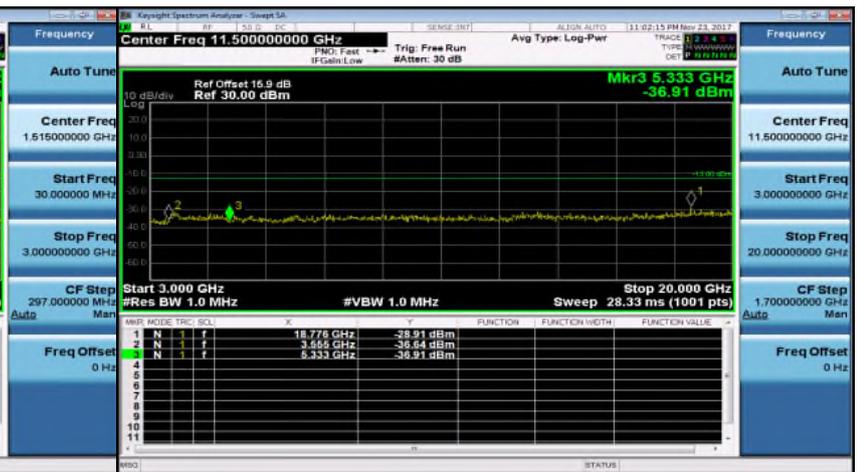
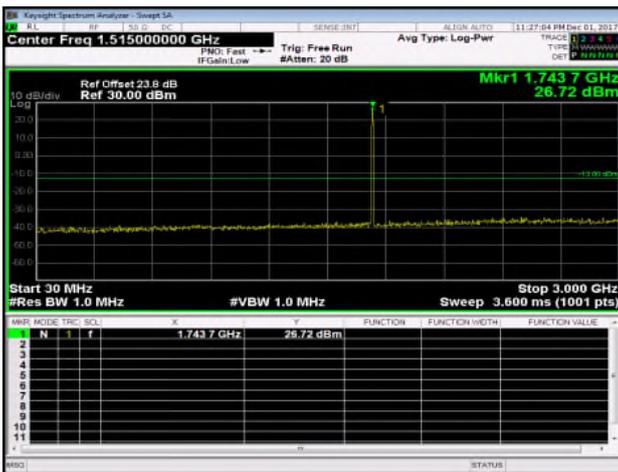
3GHz~20GHz_Band66_5MHz_QPSK_1_0_LowCH131997

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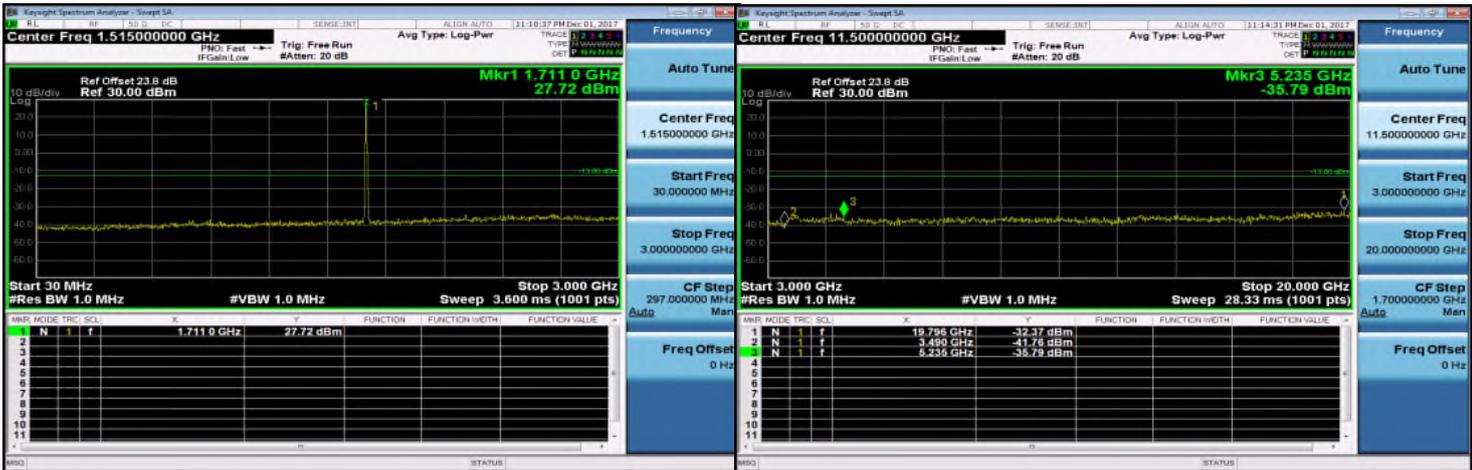
3GHz~20GHz_Band66_5MHz_QPSK_1_0_HighCH132647



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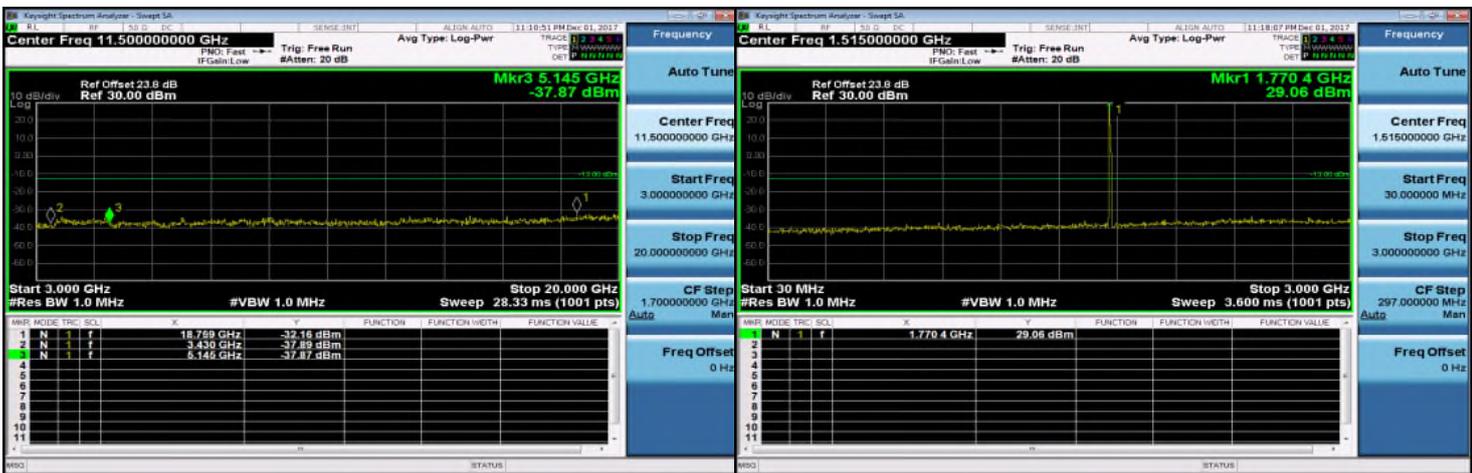
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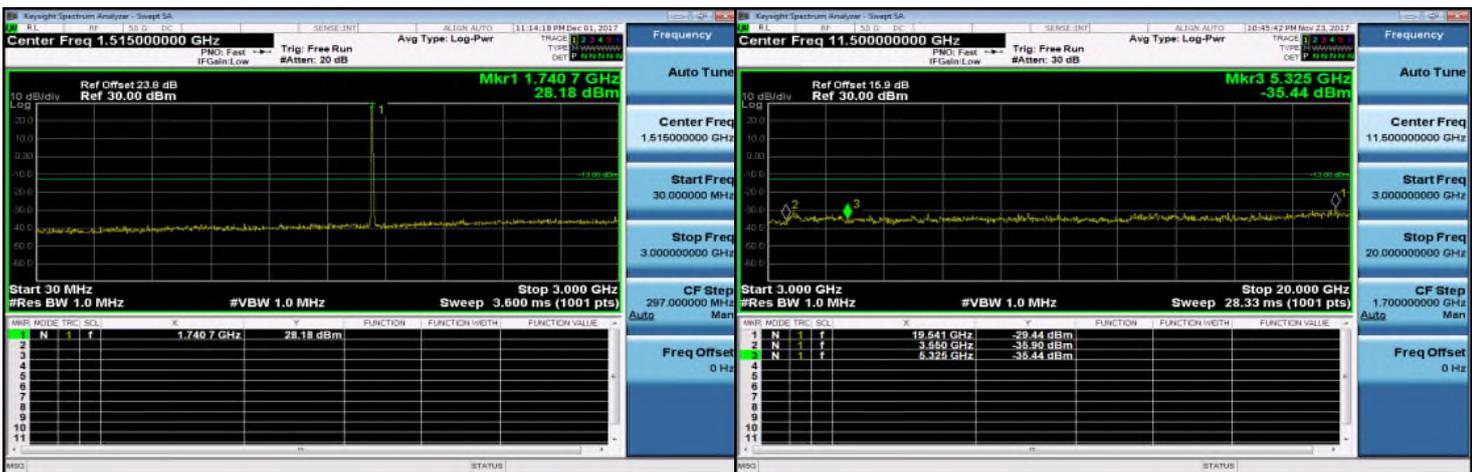
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30MHz~3GHz_Band66_10MHz_QPSK_1_0_HighCH132622



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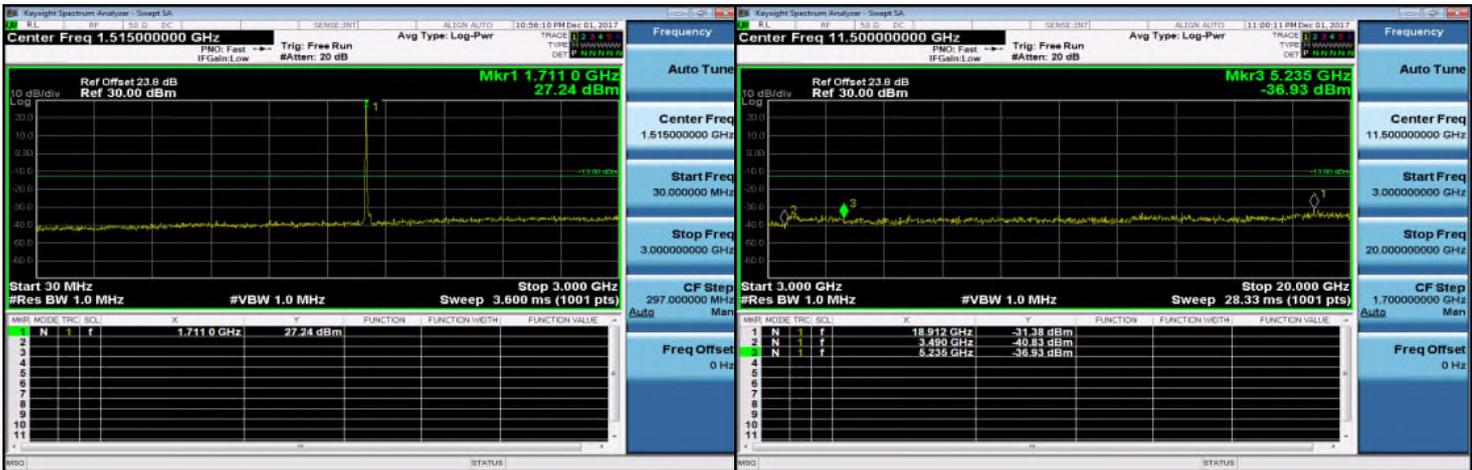


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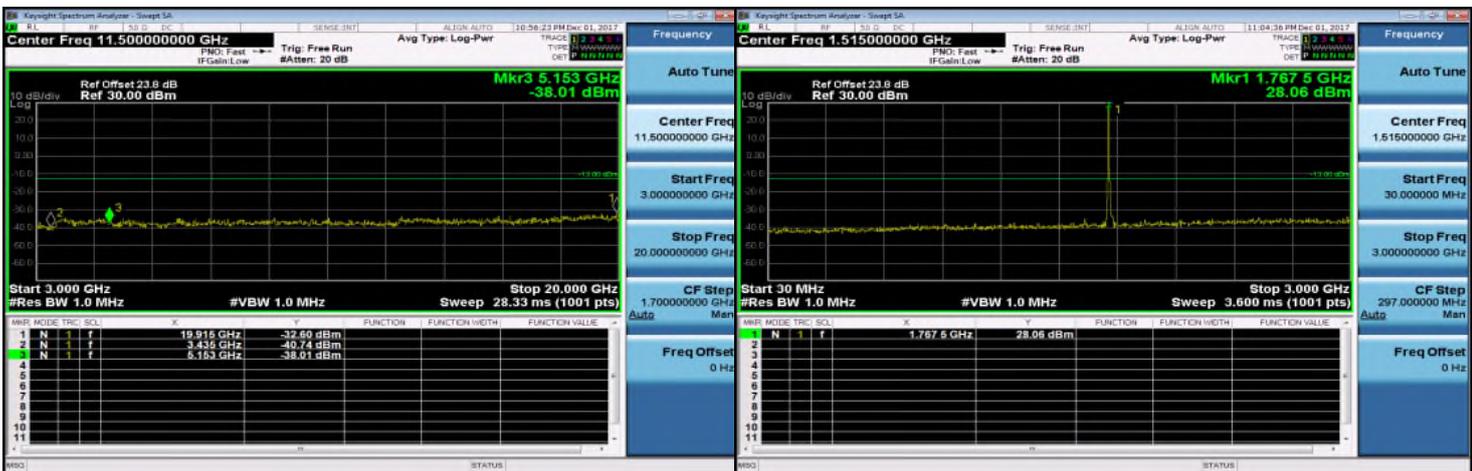
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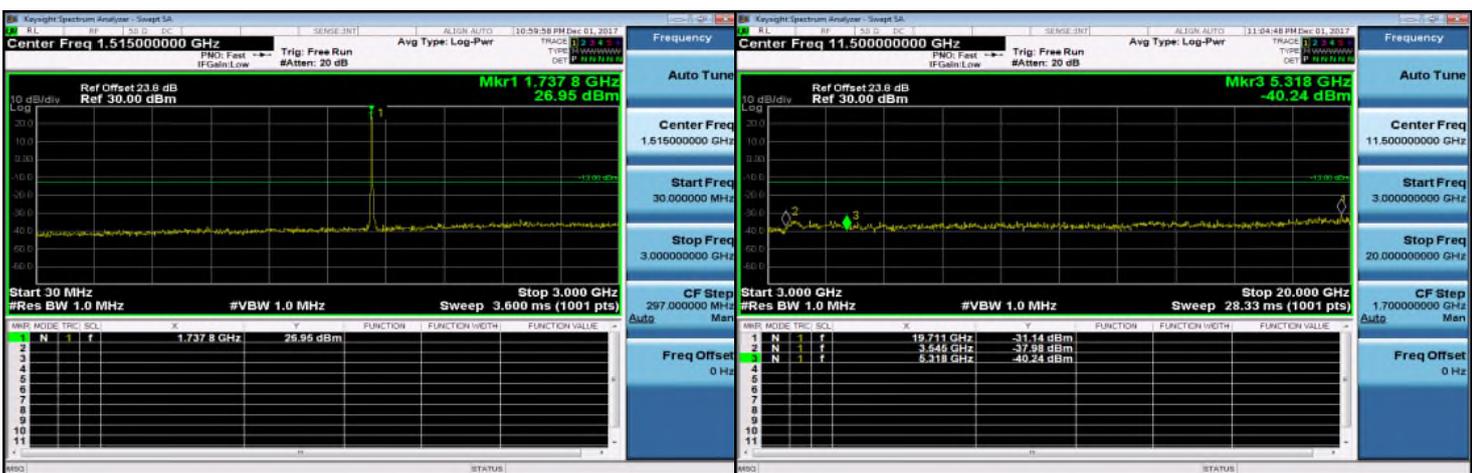
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30MHz~3GHz_Band66_15MHz_QPSK_1_0_HighCH132597



30MHz~3GHz_Band66_15MHz_QPSK_1_0_MidCH132322

3GHz~20GHz_Band66_15MHz_QPSK_1_0_HighCH132597



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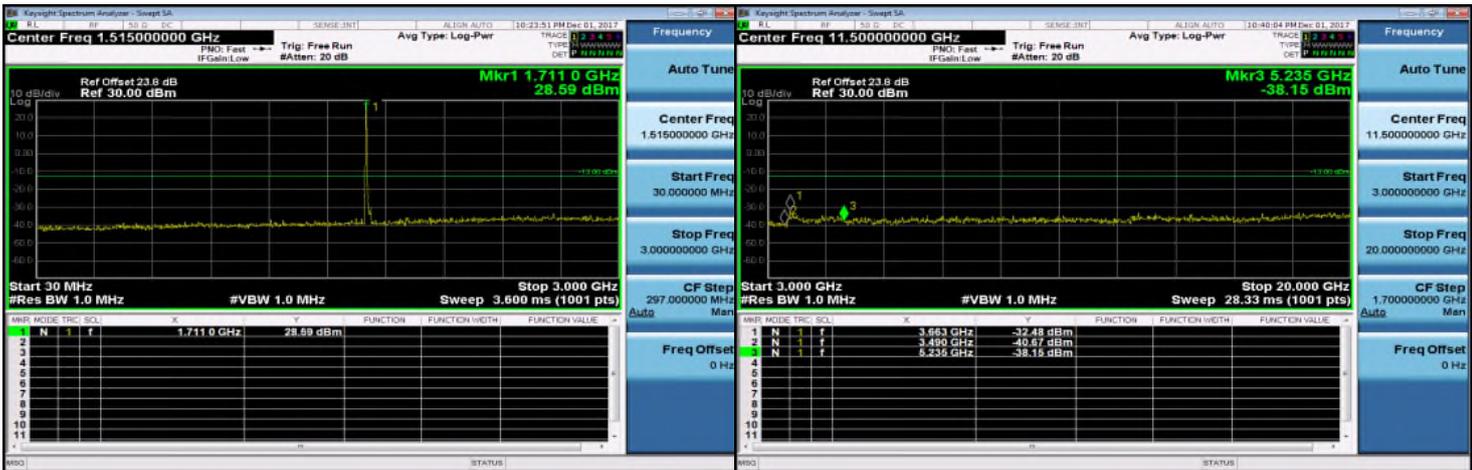
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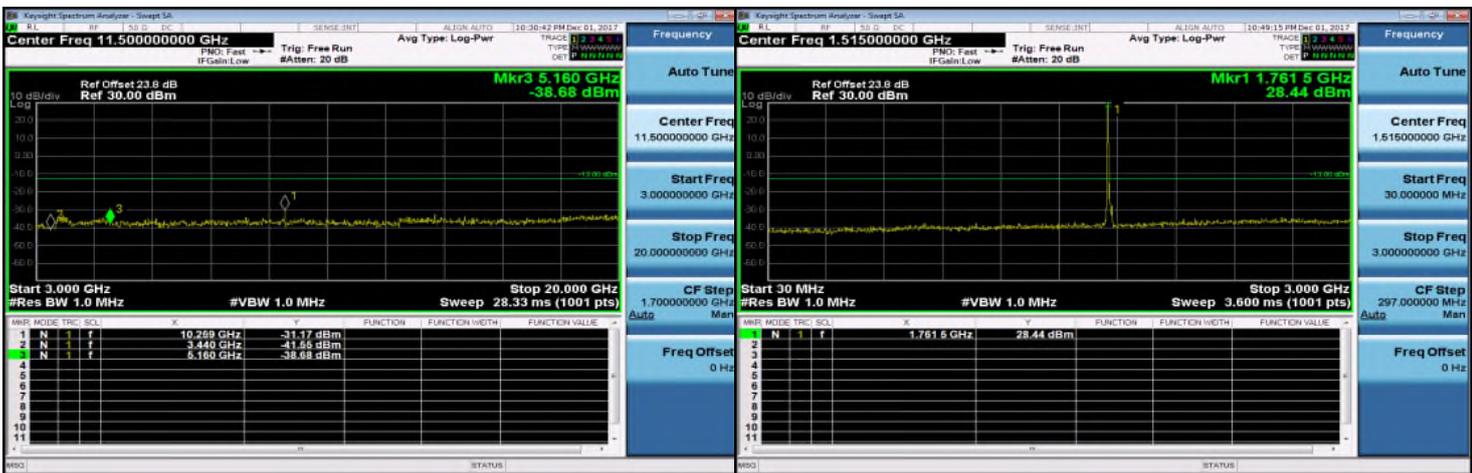
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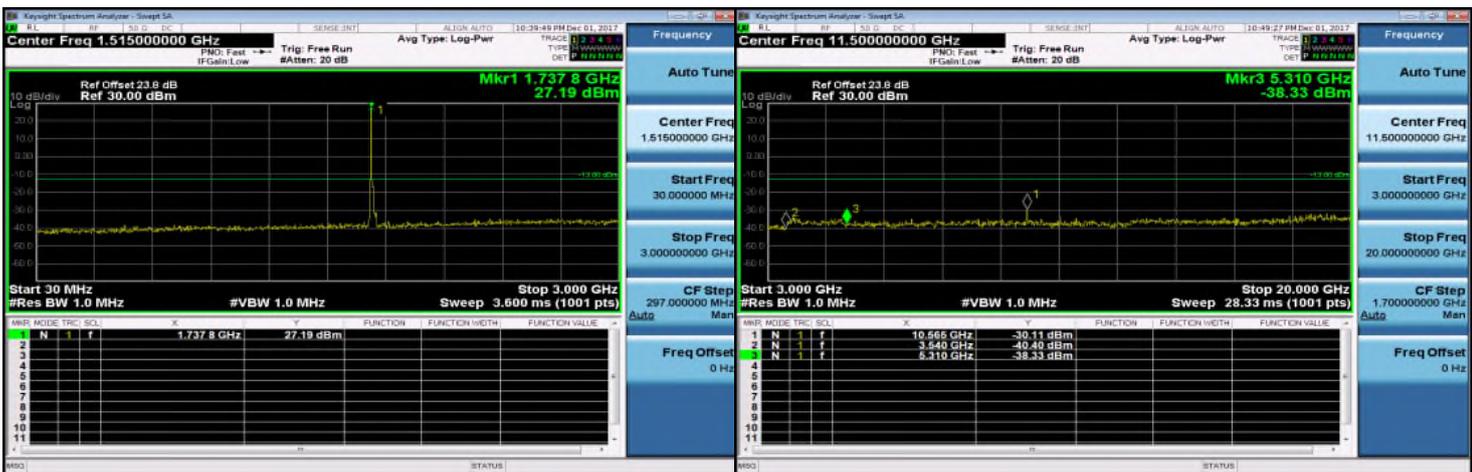
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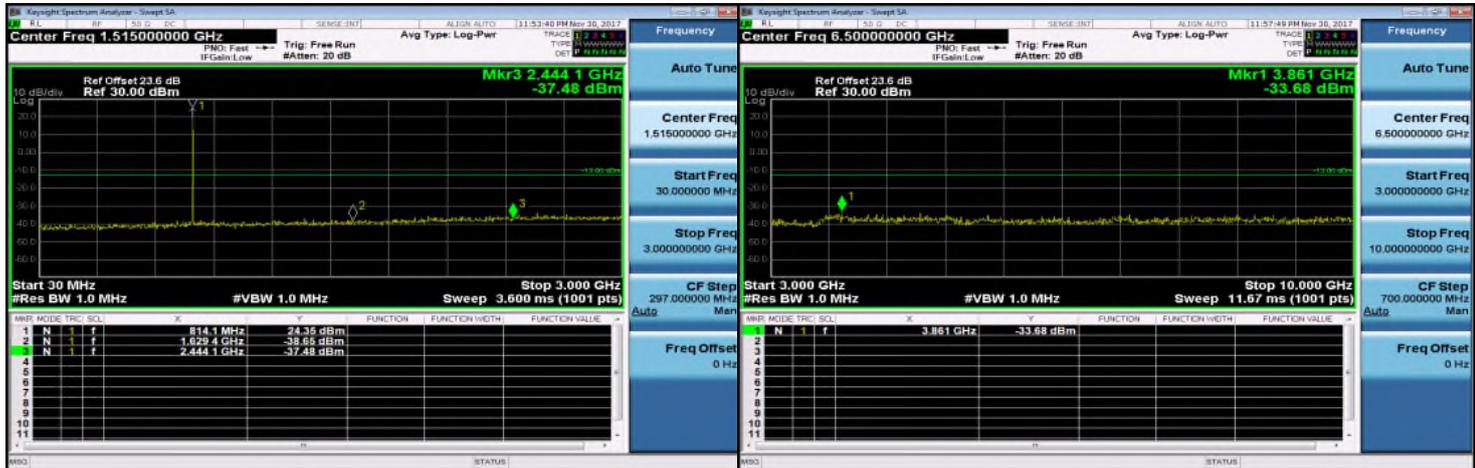
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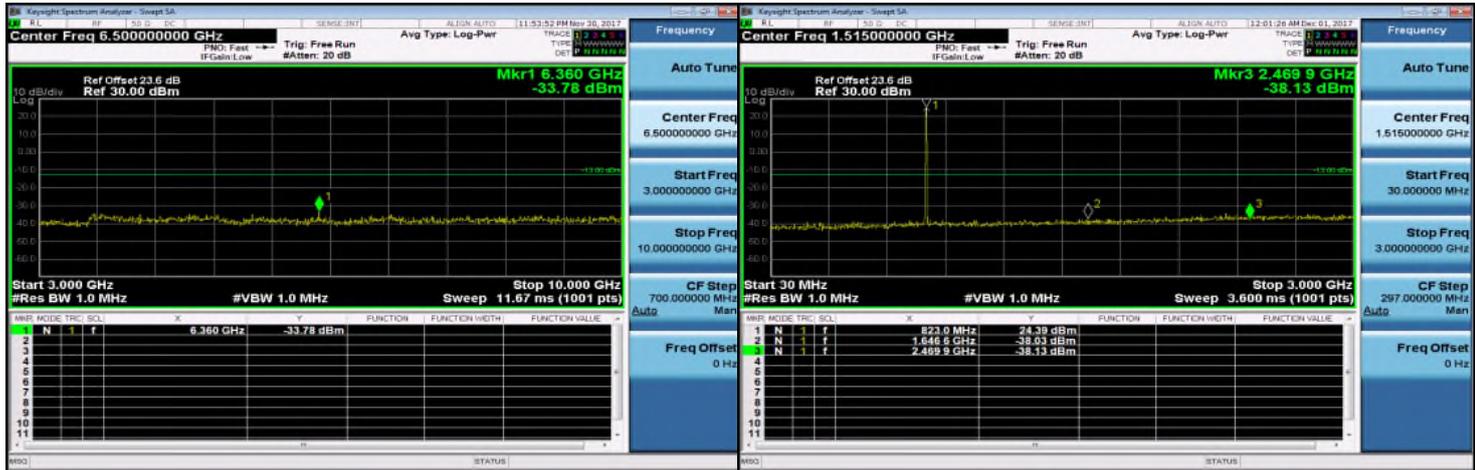
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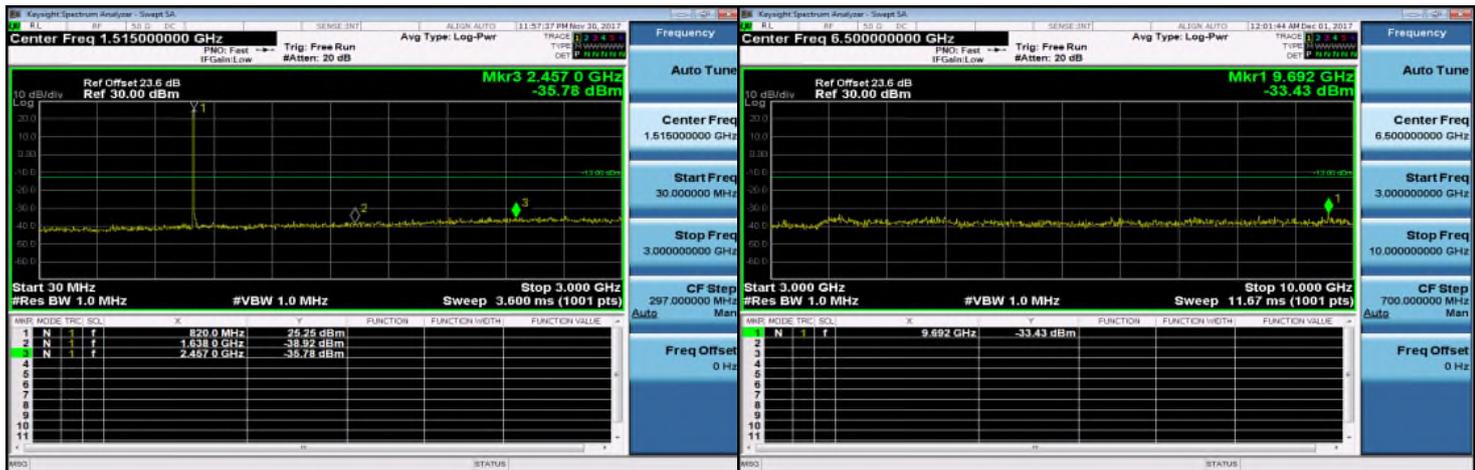
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30MHz~3GHz_Band26_1_4MHz_QPSK_1_0_HighCH26783



30MHz~3GHz_Band26_1_4MHz_QPSK_1_0_Mid26740

3GHz~10GHz_Band26_1_4MHz_QPSK_1_0_HighCH26783



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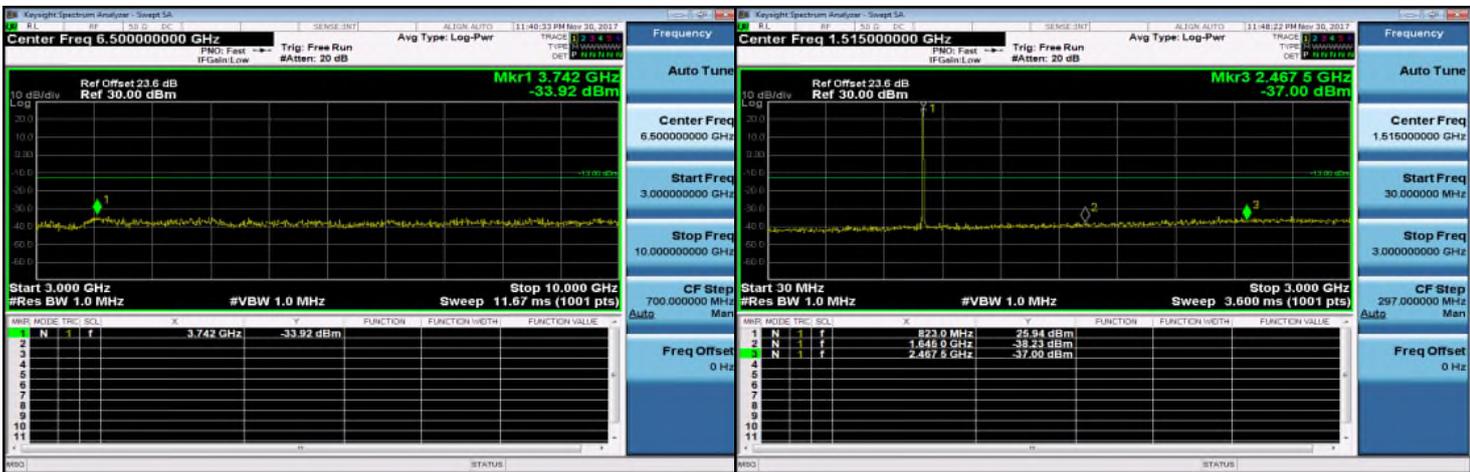
30MHz~3GHz_Band26_3MHz_QPSK_1_0_LowCH26705

3GHz~10GHz_Band26_3MHz_QPSK_1_0_MidCH26740



3GHz~10GHz_Band26_3MHz_QPSK_1_0_LowCH26705

30MHz~3GHz_Band26_3MHz_QPSK_1_0_HighCH26775



30MHz~3GHz_Band26_3MHz_QPSK_1_0_MidCH26740

3GHz~10GHz_Band26_3MHz_QPSK_1_0_HighCH26775



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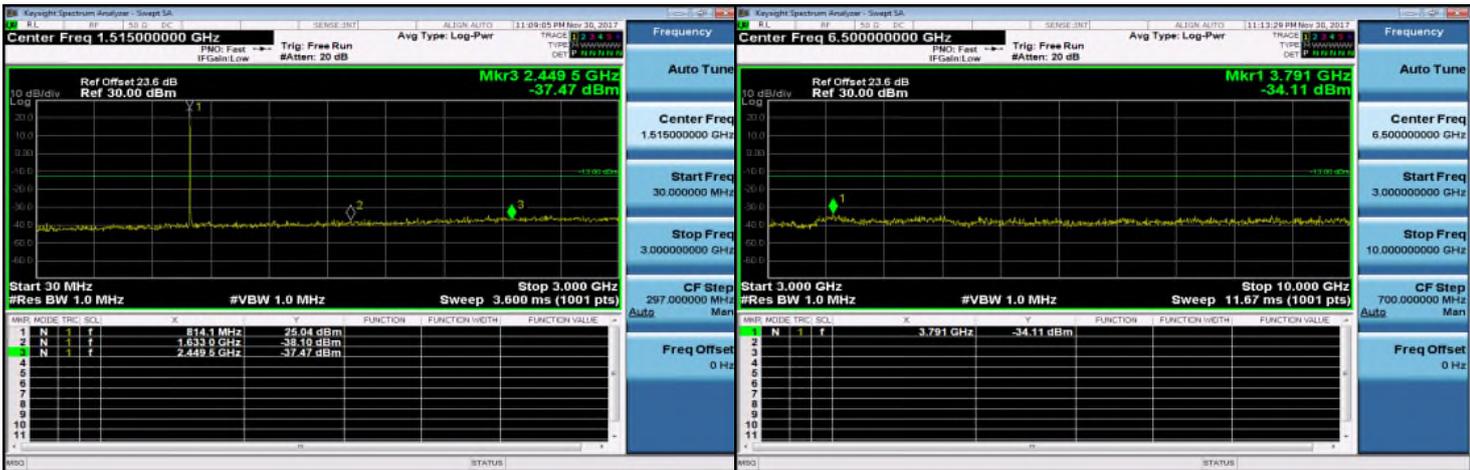
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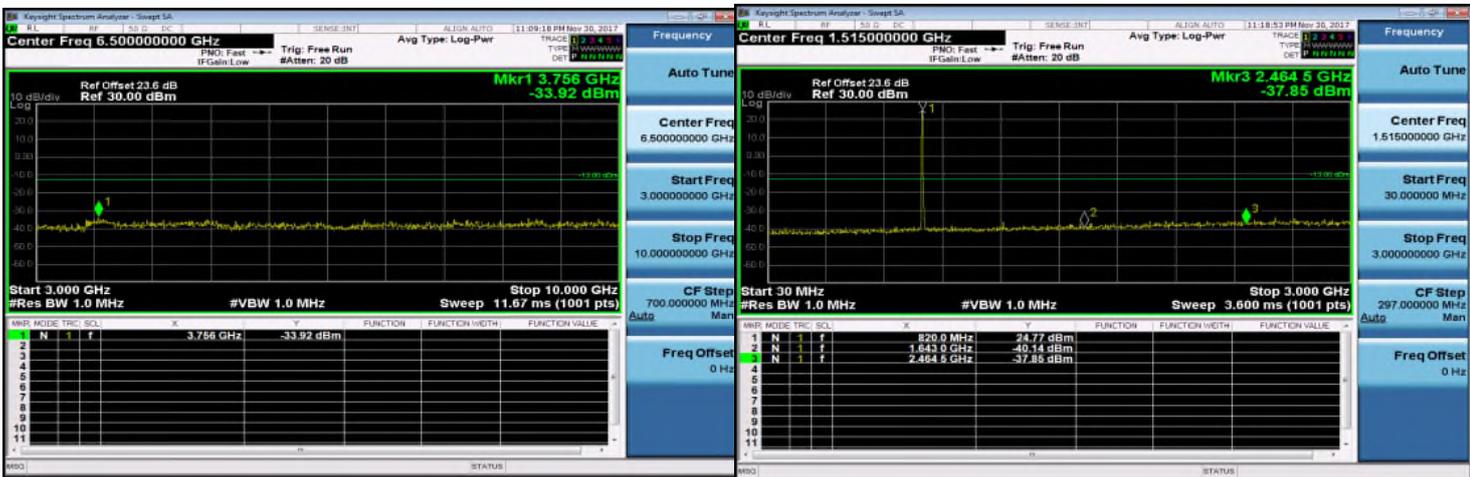
30MHz~3GHz_Band26_5MHz_QPSK_1_0_LowCH26715

3GHz~10GHz_Band26_5MHz_QPSK_1_0_MidCH26740



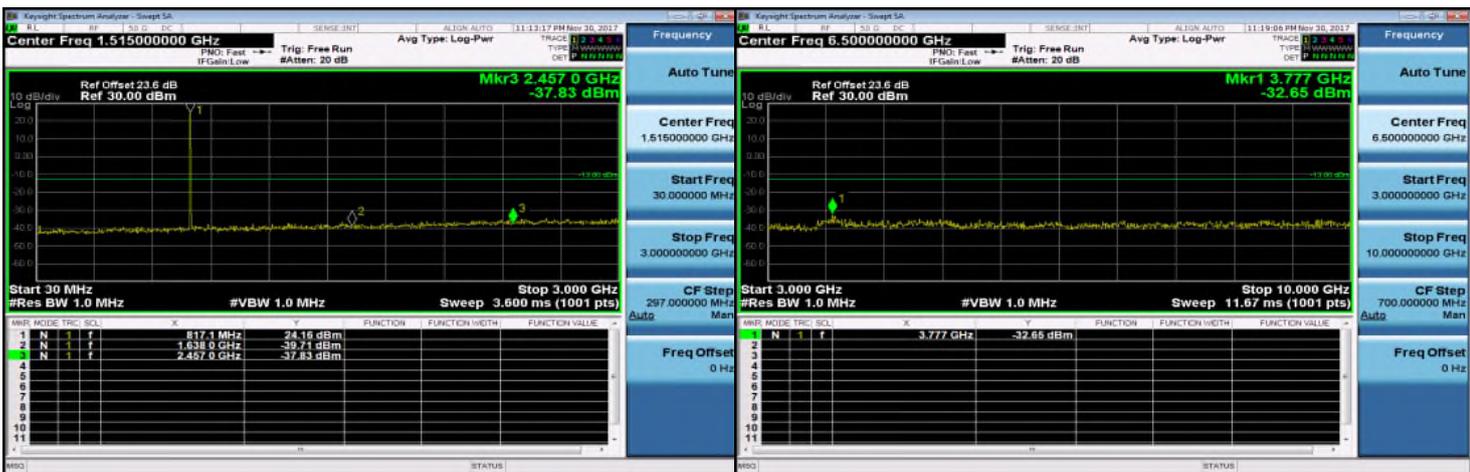
30MHz~3GHz_Band26_5MHz_QPSK_1_0_HighCH26715

30MHz~3GHz_Band26_5MHz_QPSK_1_0_HighCH26765



30MHz~3GHz_Band26_5MHz_QPSK_1_0_MidCH26740

3GHz~10GHz_Band26_5MHz_QPSK_1_0_HighCH26765



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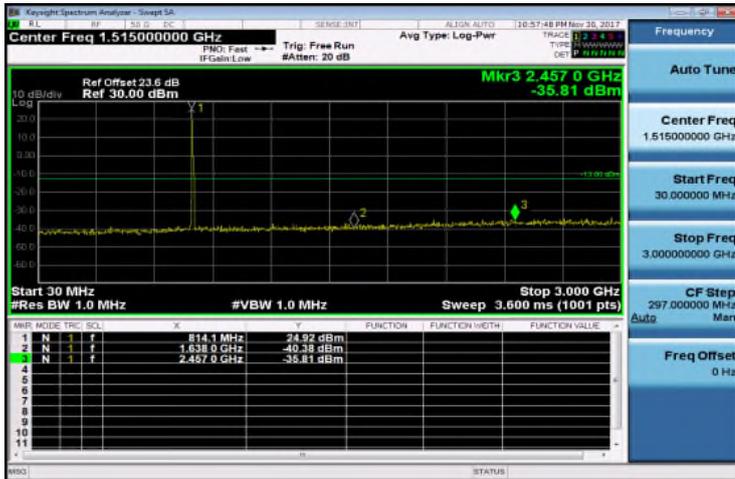
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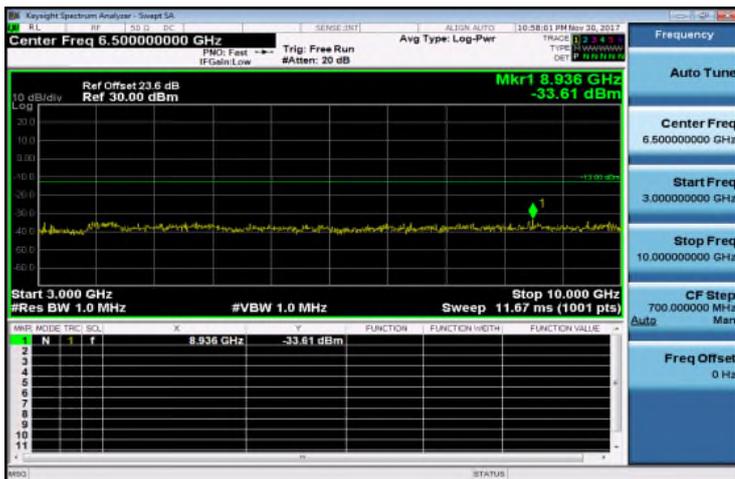
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30MHz~3GHz_Band26_10MHz_QPSK_1_0_MidCH26740



3GHz~10GHz_Band26_10MHz_QPSK_1_0_MidCH26740



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10. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

10.1. Standard Applicable

According to FCC §2.1053,

FCC §22.917(a) , §24.238(a) , §27.53 (h) , the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than $43 + 10 \log$ (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm).

§27.53 (c)

(2) On any frequency outside the 776– 788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB (-13dBm)

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

§27.53 (f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC §27.53(c) (5) & FCC §27.53(g)

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC §27.53(h) (3)

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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FCC §27.53(m) (4) (6)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB on or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

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Table 2 — Unwanted Emissions for Mobile, Portable and Low-Power Fixed Subscriber Equipment

Frequency (MHz)	Attenuation (dB)
<2200	$43 + 10 \log_{10}(p)$
2200 - 2288	$70 + 10 \log_{10}(p)$
2288 - 2292	$67 + 10 \log_{10}(p)$
2292 - 2296	$61 + 10 \log_{10}(p)$
2296 - 2300	$55 + 10 \log_{10}(p)$
2300 - 2305	$43 + 10 \log_{10}(p)$
2305 - 2320	$43 + 10 \log_{10}(p)$ ^{Note}
2320 - 2324	$55 + 10 \log_{10}(p)$
2324 - 2328	$61 + 10 \log_{10}(p)$
2328 - 2337	$67 + 10 \log_{10}(p)$
2337 - 2341	$61 + 10 \log_{10}(p)$
2341 - 2345	$55 + 10 \log_{10}(p)$
2345 - 2360	$43 + 10 \log_{10}(p)$ ^{Note}
2360 - 2365	$43 + 10 \log_{10}(p)$
2365 - 2395	$70 + 10 \log_{10}(p)$
>2395	$43 + 10 \log_{10}(p)$

Note: Measured at the edges of the highest and lowest frequency range(s) in which the equipment is designed to operate. See Section 5.2 for the permitted frequency ranges for various equipment types.

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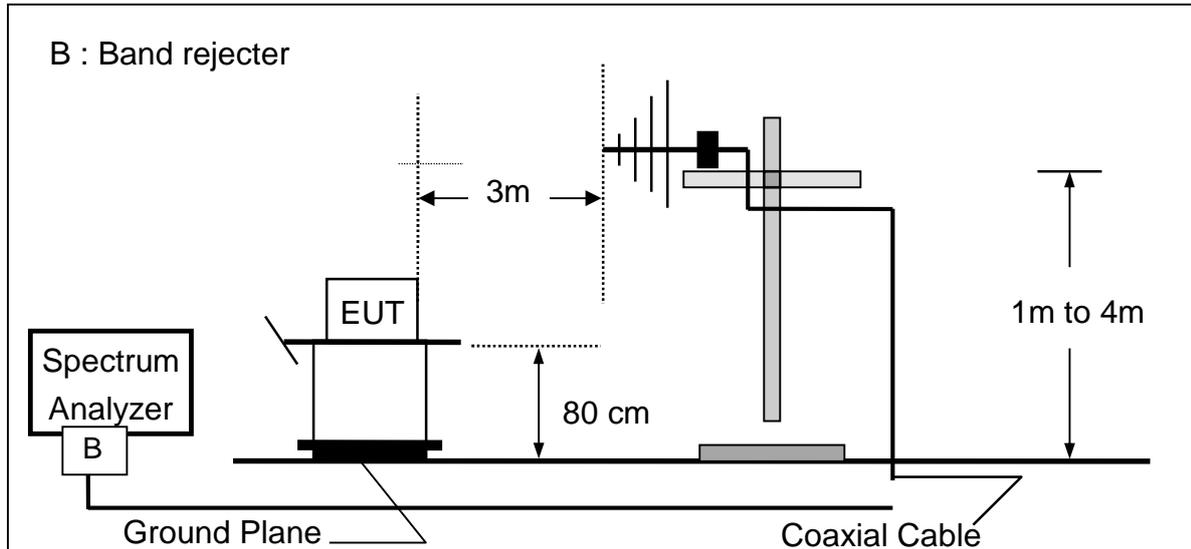
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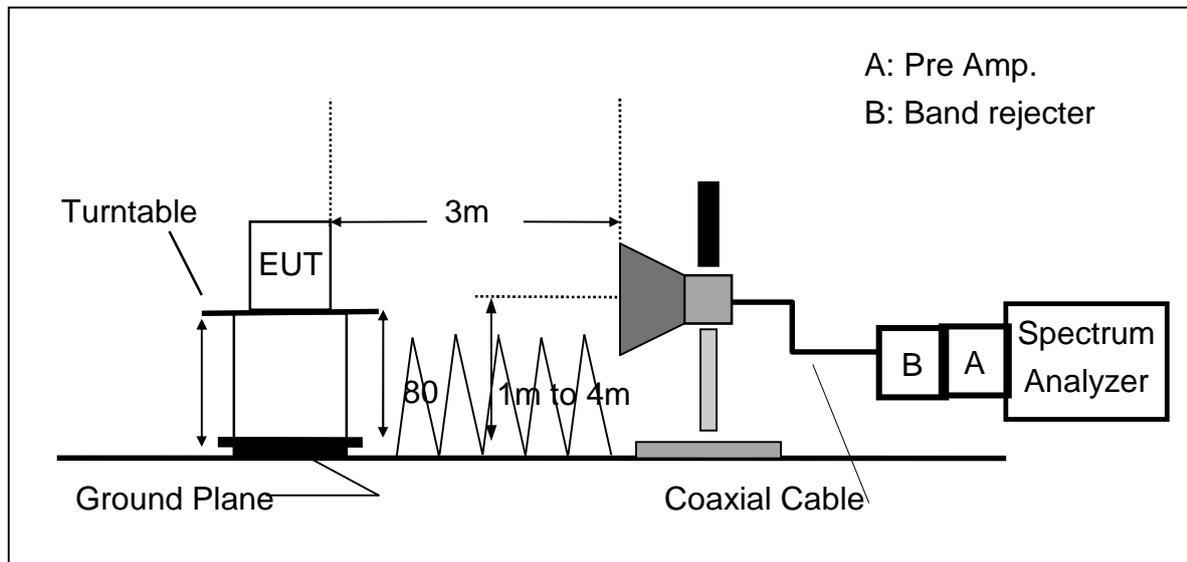
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10.2. EUT Setup

Radiated Emission Test Set-Up, Frequency Below 1000MHz



Radiated Emission Test Set-UP Frequency Over 1 GHz



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10.3. Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.
“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.
“---” : denotes Noise Floor.

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10.4. Measurement Equipment Used:

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMI Test Receiver	R&S	ESU 40	100363	04/18/2017	04/17/2018
Broadband Antenna	TESEQ	CBL 6112D	35240	11/03/2016	11/02/2017
Broadband Antenna	TESEQ	CBL 6112D	35243	11/09/2016	11/08/2017
Horn Antenna	ETS-Lindgren	3117	00143272	12/15/2016	12/16/2017
Horn Antenna	ETS-Lindgren	3117	143279	11/14/2016	11/13/2017
Horn Antenna	Schwarzbeck	BBHA9170	184	12/11/2016	12/10/2017
Horn Antenna	Schwarzbeck	BBHA9170	185	08/01/2017	07/31/2018
Pre Amplifier	EMC Instruments	EMC330	980096	12/12/2016	12/11/2017
Pre Amplifier	EMC Instruments	EMC0011830	980199	12/12/2016	12/11/2017
Pre Amplifier	R&S	SCU-18	10204	12/12/2016	12/11/2017
Pre Amplifier	R&S	SCU-26	100780	12/12/2016	12/11/2017
Pre Amplifier	EMC Instruments	EMC184045B	980135	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	RG 214/U	966Rx 9K-30M	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	RG 214/U SUCOFLEX 104	966Rx 30M-3G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 104	966Rx 1G-18G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	mini 141-12 SUCOFLEX 104	966Rx 18G-40G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 104	966Tx 30M-18G	12/12/2016	12/11/2017
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	966Tx 18G-40G	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF27	12/12/2016	12/11/2017
Communication Tester	Anritsu	MT8820C	6201107337	05/25/2017	05/24/2018
Site NSA	SGS	966 Chamber C	SAC-C	03/02/2017	03/01/2018
Site VSWR	SGS	966 Chamber C	SAC-C	03/02/2017	03/01/2018
DC Power Supply	HOLA	DP-3003	D7070035	05/04/2017	05/03/2018
Controller	MF	MF-7802	N/A	N.C.R.	N.C.R.
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Turn Table	MF	N/A	N/A	N.C.R.	N.C.R.
Test Software	World-Pallas	Dr. E	V 3.0 Lite	N.C.R.	N.C.R.

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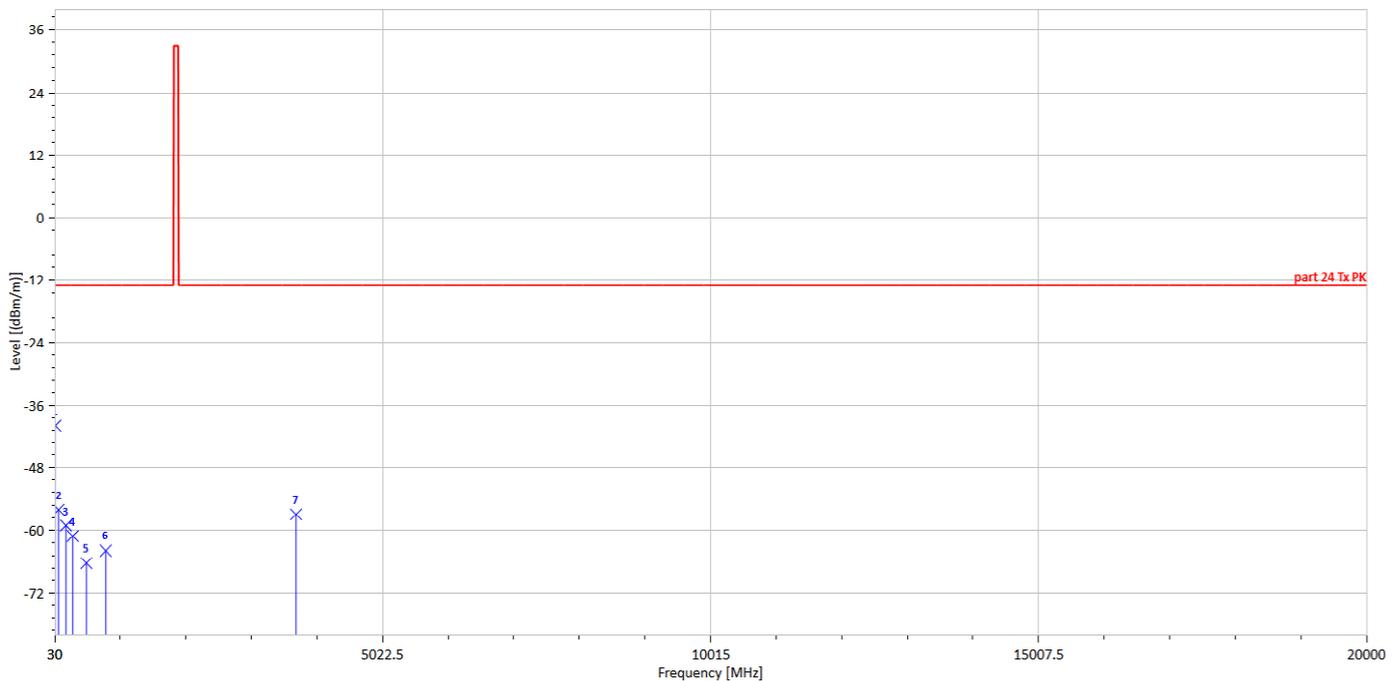
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10.5. Measurement Result:

Radiated Spurious Emission Measurement Result: WCDMA Band 2 Mode

Operation Mode :	WCDMAB2	Test Date :	2017/11/27
Fundamental Frequency :	1852.4 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
39.17	S	-39.86	-26.34	-12.67	-0.86	-13.01	-26.85
89.26	S	-56.11	-54.76	-0.06	-1.29	-13.01	-43.10
202.13	S	-59.16	-62.95	5.80	-2.00	-13.01	-46.15
305.13	S	-61.20	-64.58	5.87	-2.49	-13.01	-48.19
512.53	S	-66.24	-69.47	6.50	-3.27	-13.01	-53.23
807.41	S	-63.90	-67.55	7.78	-4.12	-13.01	-50.89
3704.80	H	-57.01	-60.53	12.42	-8.90	-13.01	-44.00

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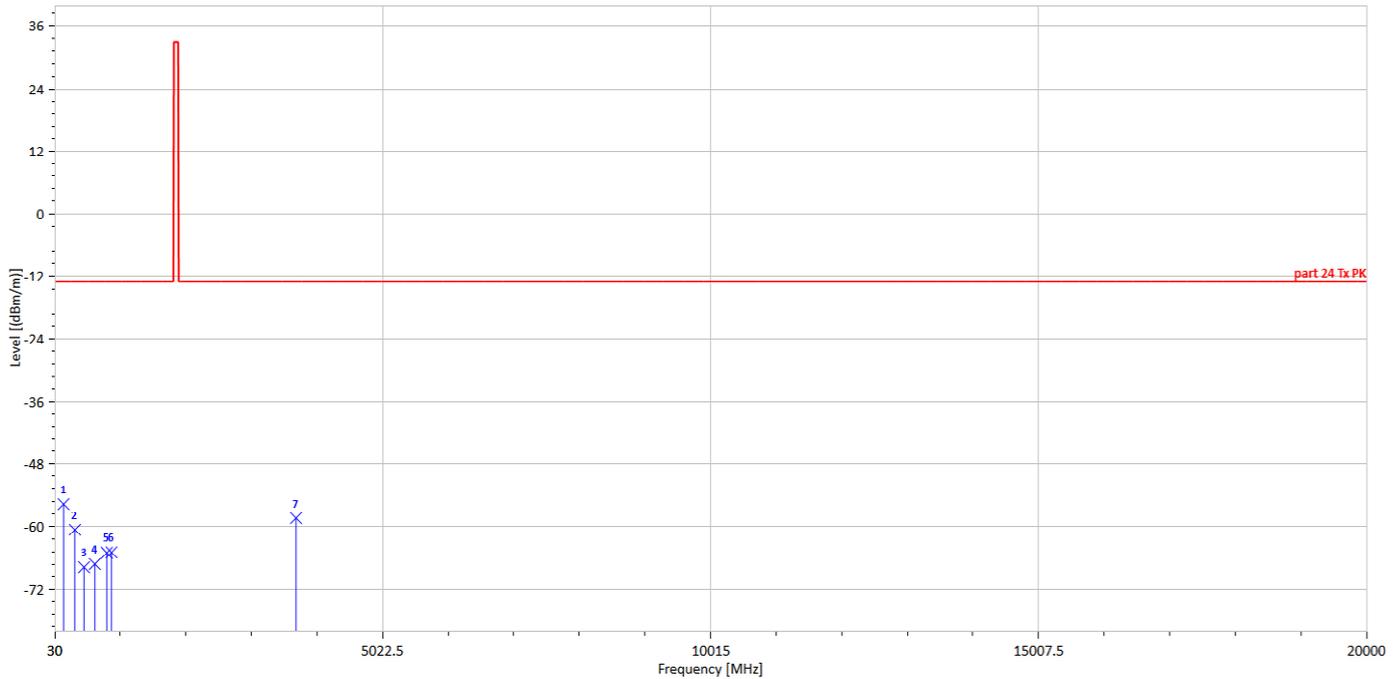
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Operation Mode : WCDMAB2 Test Date : 2017/11/27
 Fundamental Frequency : 1852.4 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Low Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
165.45	S	-55.76	-57.77	3.81	-1.80	-13.01	-42.75
337.58	S	-60.71	-64.03	5.96	-2.63	-13.01	-47.70
476.55	S	-67.73	-70.98	6.39	-3.14	-13.01	-54.72
641.63	S	-67.12	-70.58	7.14	-3.67	-13.01	-54.11
823.64	S	-64.99	-68.60	7.78	-4.17	-13.01	-51.98
894.89	S	-64.92	-68.40	7.88	-4.40	-13.01	-51.91
3704.80	H	-58.47	-61.99	12.42	-8.90	-13.01	-45.46

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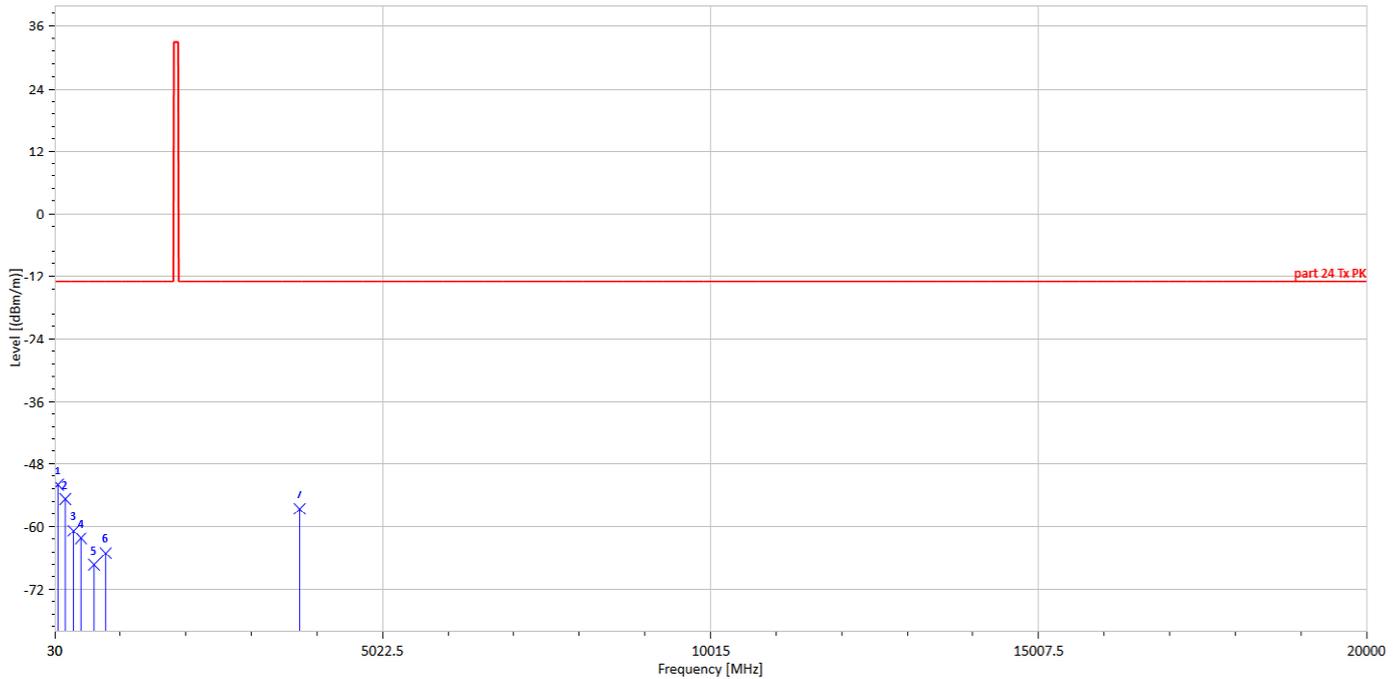
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Operation Mode : WCDMA B2 Test Date : 2017/11/27
 Fundamental Frequency : 1880 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
79.38	S	-51.98	-51.21	0.45	-1.22	-13.01	-38.97
190.84	S	-54.80	-58.73	5.87	-1.94	-13.01	-41.79
317.12	S	-60.92	-64.27	5.90	-2.55	-13.01	-47.91
431.40	S	-62.31	-65.40	6.08	-2.98	-13.01	-49.30
628.93	S	-67.26	-70.70	7.09	-3.65	-13.01	-54.25
806.71	S	-65.08	-68.73	7.78	-4.12	-13.01	-52.07
3760.00	H	-56.68	-60.19	12.46	-8.94	-13.01	-43.67

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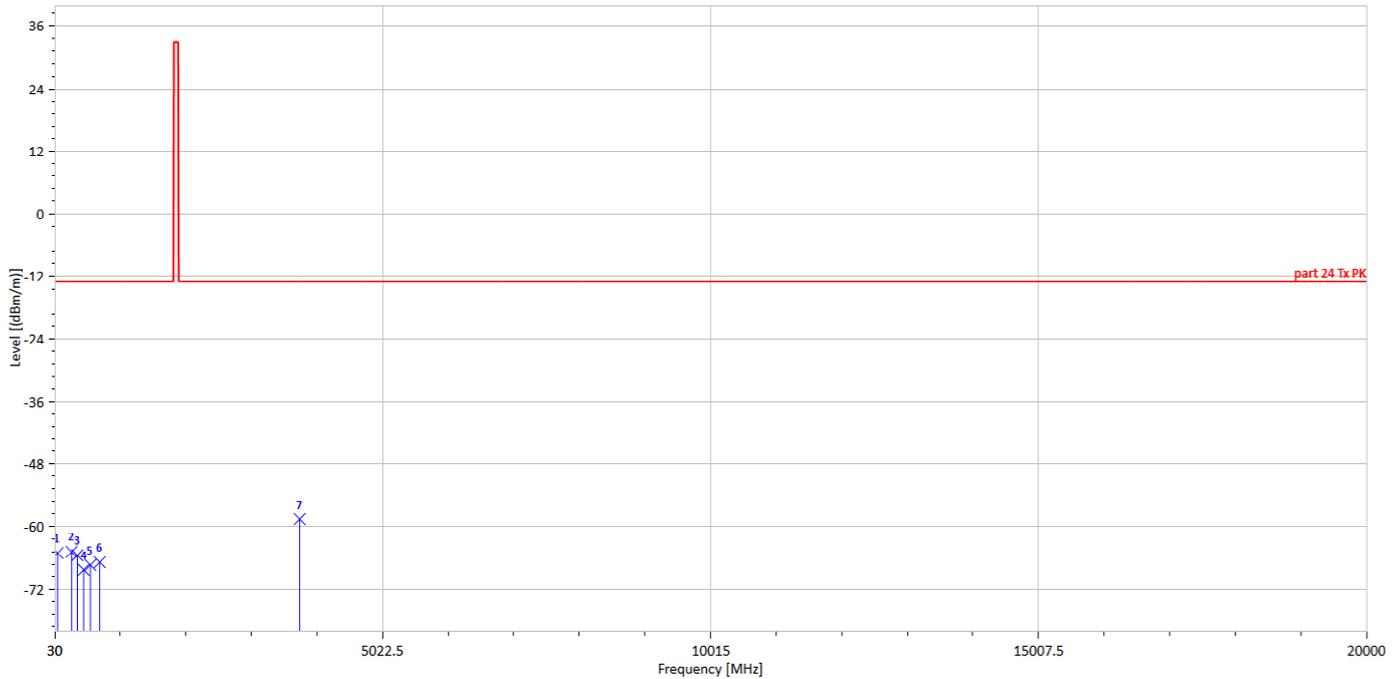
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Operation Mode : WCDMAB2 Test Date : 2017/11/27
 Fundamental Frequency : 1880 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
73.74	S	-65.04	-64.12	0.25	-1.17	-13.01	-52.03
288.20	S	-64.82	-68.15	5.74	-2.41	-13.01	-51.81
374.97	S	-65.45	-68.55	5.87	-2.77	-13.01	-52.44
471.61	S	-68.20	-71.45	6.37	-3.12	-13.01	-55.19
573.20	S	-67.30	-70.56	6.73	-3.47	-13.01	-54.29
716.41	S	-66.77	-70.61	7.71	-3.87	-13.01	-53.76
3760.00	H	-58.68	-62.19	12.46	-8.94	-13.01	-45.67

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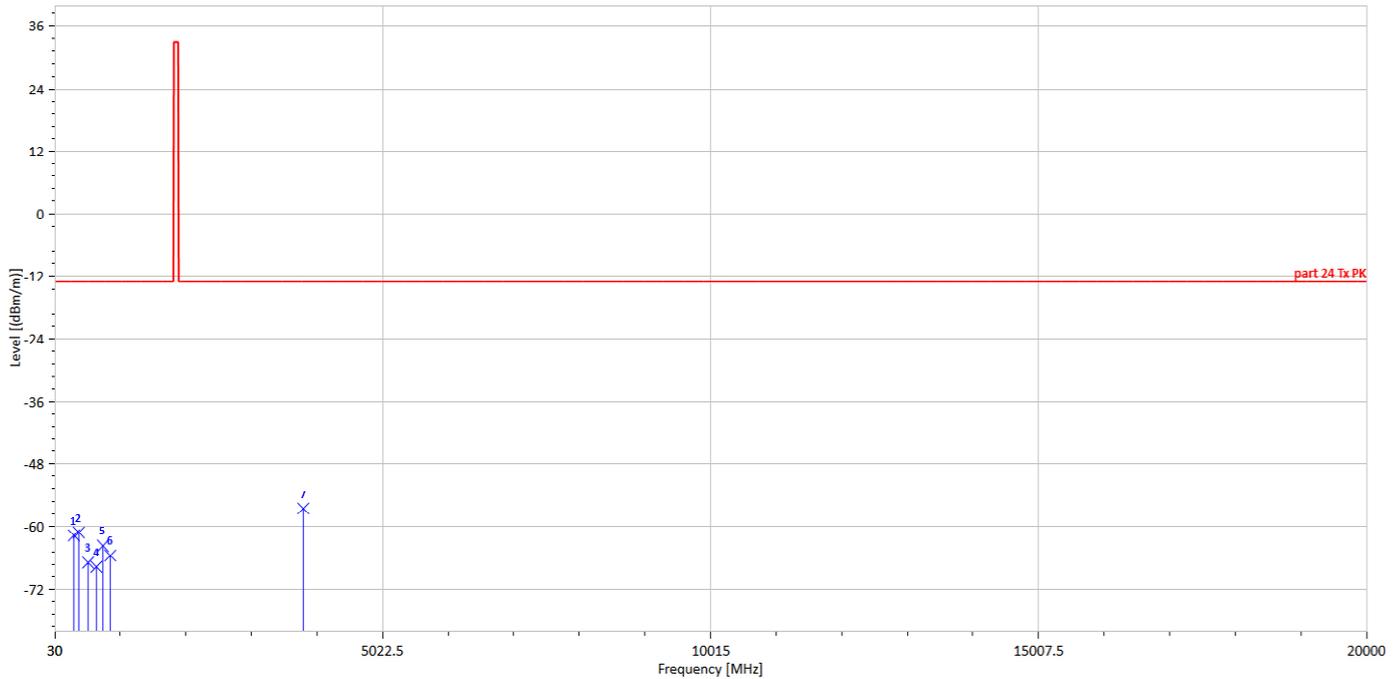
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Operation Mode : WCDMAB2 Test Date : 2017/11/27
 Fundamental Frequency : 1907.6 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
322.76	S	-61.75	-65.10	5.92	-2.57	-13.01	-48.74
397.54	S	-61.23	-64.13	5.76	-2.86	-13.01	-48.22
538.63	S	-66.84	-69.97	6.51	-3.38	-13.01	-53.83
665.61	S	-67.64	-71.25	7.34	-3.73	-13.01	-54.63
764.38	S	-63.68	-67.42	7.73	-3.99	-13.01	-50.67
876.55	S	-65.50	-68.99	7.85	-4.35	-13.01	-52.49
3815.20	H	-56.60	-60.11	12.49	-8.98	-13.01	-43.59

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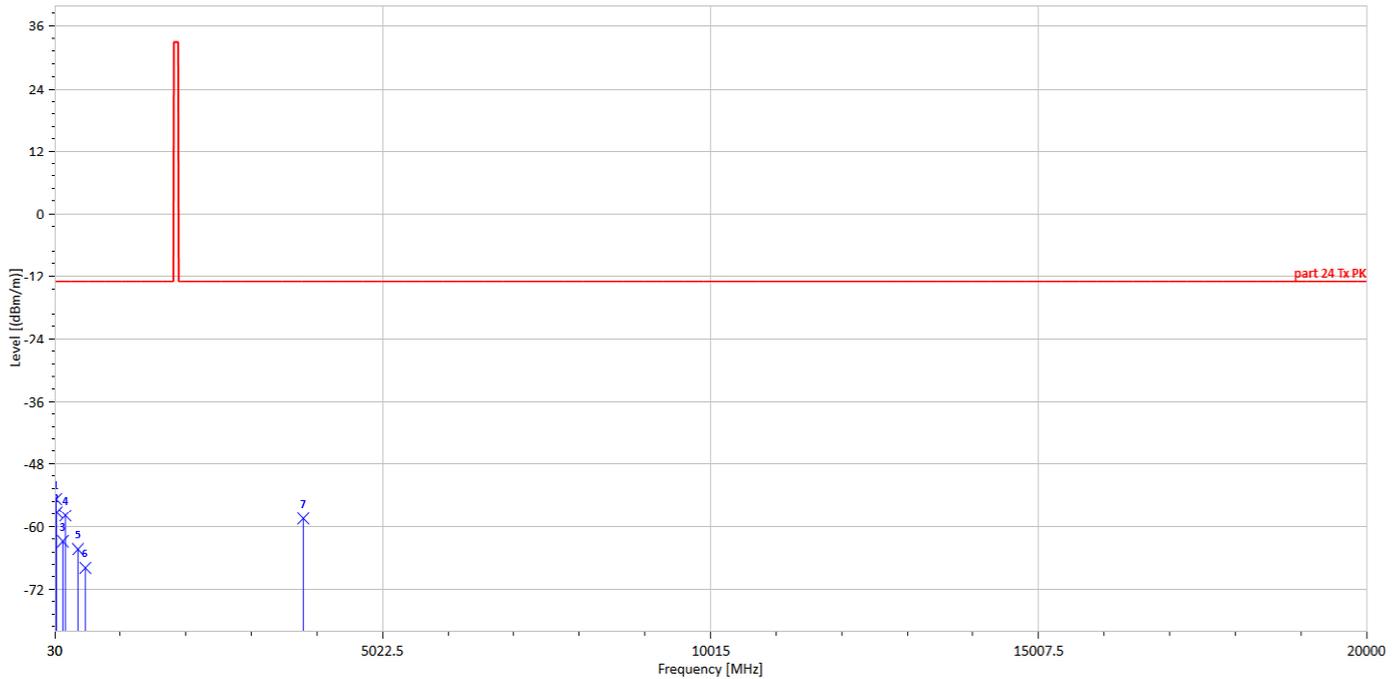
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Operation Mode : WCDMAB2 Test Date : 2017/11/27
 Fundamental Frequency : 1907.6 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level dBm	Gain dBd/dBi	Loss dB	@3m dBm/m	dB
51.87	S	-54.83	-49.48	-4.38	-0.97	-13.01	-41.82
57.51	S	-57.32	-54.10	-2.19	-1.03	-13.01	-44.31
154.16	S	-62.89	-63.73	2.57	-1.73	-13.01	-49.88
192.96	S	-57.97	-61.85	5.84	-1.95	-13.01	-44.96
384.14	S	-64.30	-67.32	5.83	-2.81	-13.01	-51.29
497.01	S	-67.87	-71.13	6.48	-3.22	-13.01	-54.86
3815.20	H	-58.54	-62.05	12.49	-8.98	-13.01	-45.53

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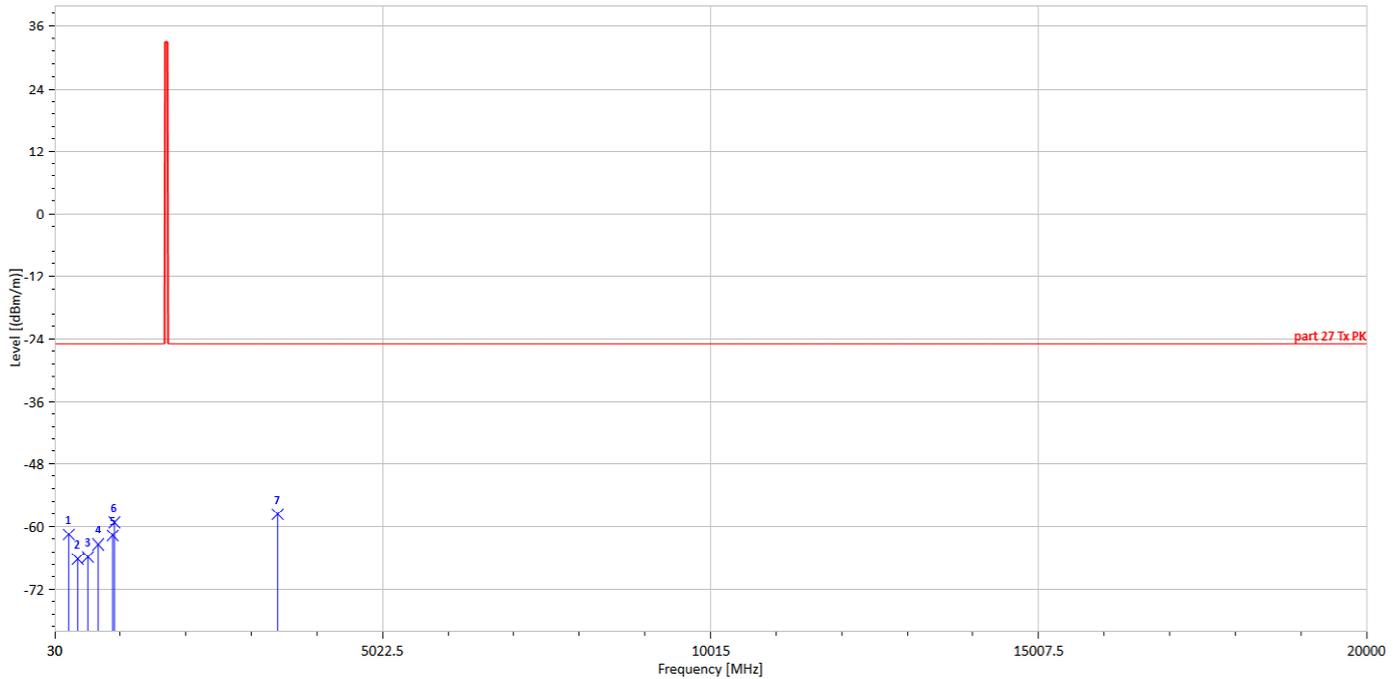
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Radiated Spurious Emission Measurement Result: WCDMA Band 4 Mode

Operation Mode : WCDMAB4 Test Date : 2017/11/27
 Fundamental Frequency : 1712.4 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Low Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



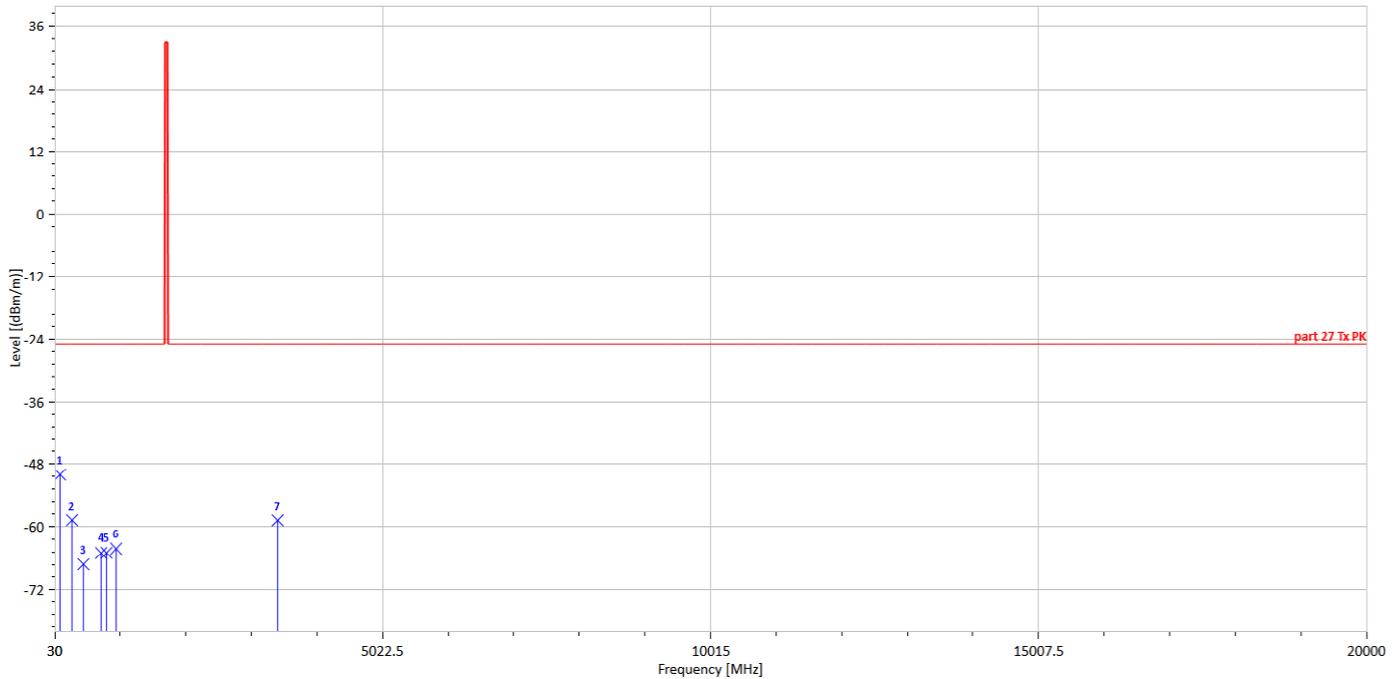
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
244.46	S	-61.59	-64.79	5.42	-2.22	-25	-36.59
380.61	S	-66.17	-69.22	5.84	-2.79	-25	-41.17
535.81	S	-65.77	-68.91	6.51	-3.37	-25	-40.77
692.42	S	-63.45	-67.28	7.63	-3.80	-25	-38.45
913.23	S	-61.77	-65.25	7.91	-4.43	-25	-36.77
940.04	S	-59.28	-62.73	7.95	-4.50	-25	-34.28
3424.80	H	-57.70	-61.15	12.15	-8.70	-25	-32.70

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Operation Mode : WCDMA B4 Test Date : 2017/11/27
 Fundamental Frequency : 1712.4 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Low Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
111.13	S	-49.99	-46.92	-1.61	-1.46	-25	-24.99
294.55	S	-58.83	-62.19	5.80	-2.44	-25	-33.83
467.38	S	-67.11	-70.35	6.35	-3.10	-25	-42.11
737.57	S	-65.00	-68.80	7.71	-3.91	-25	-40.00
818.70	S	-64.95	-68.57	7.78	-4.16	-25	-39.95
966.14	S	-64.18	-67.62	8.01	-4.57	-25	-39.18
3424.80	H	-58.87	-62.32	12.15	-8.70	-25	-33.87

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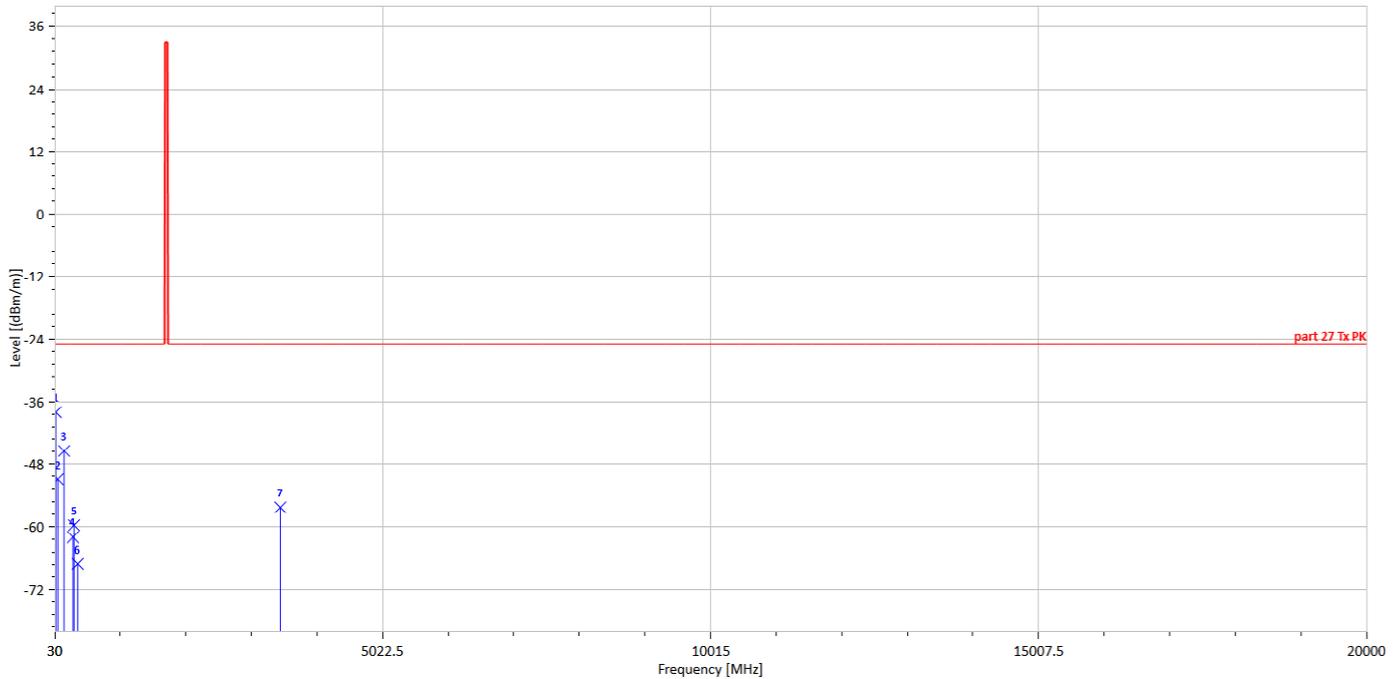
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Operation Mode : WCDMA B4 Test Date : 2017/11/27
 Fundamental Frequency : 1732.6 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
45.52	S	-37.96	-29.15	-7.90	-0.91	-25	-12.96
76.56	S	-50.91	-50.07	0.35	-1.19	-25	-25.91
173.21	S	-45.44	-48.26	4.67	-1.85	-25	-20.44
309.36	S	-62.05	-65.42	5.88	-2.51	-25	-37.05
324.88	S	-59.78	-63.12	5.92	-2.58	-25	-34.78
381.32	S	-67.07	-70.11	5.84	-2.80	-25	-42.07
3465.20	H	-56.33	-59.83	12.23	-8.73	-25	-31.33

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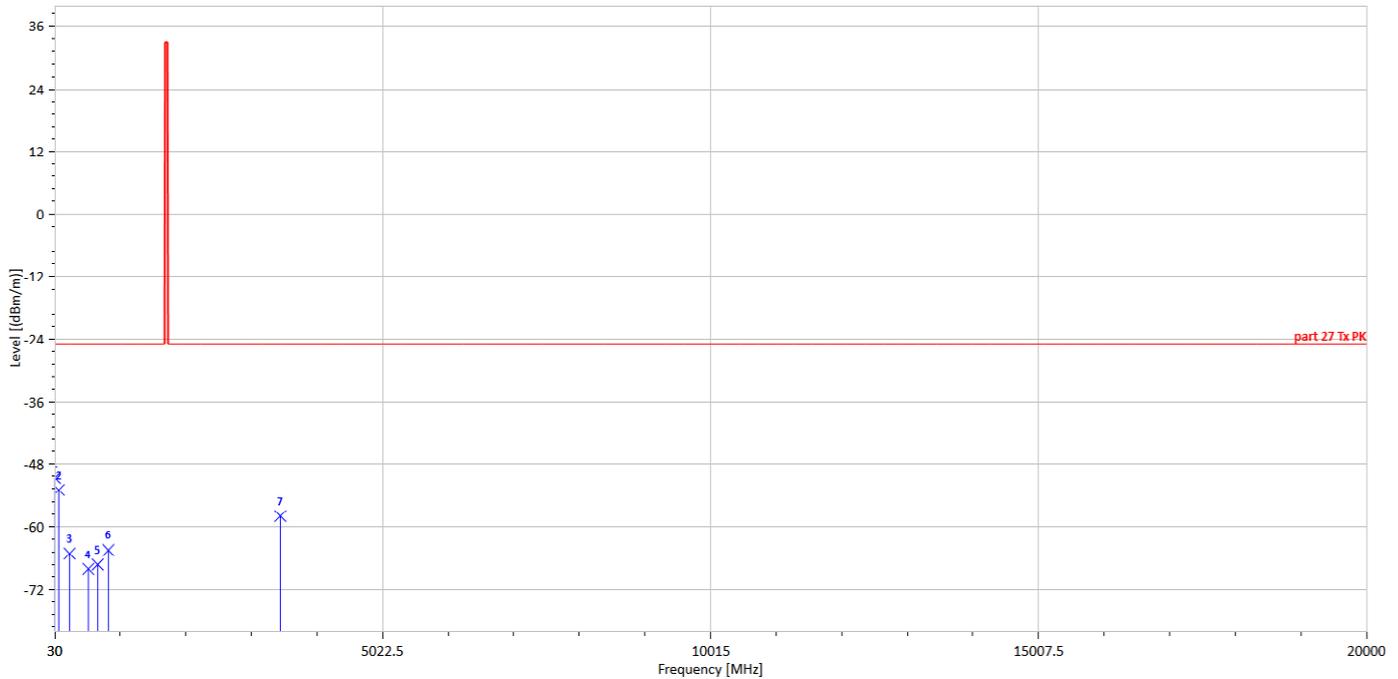
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Operation Mode : WCDMAB4 Test Date : 2017/11/27
 Fundamental Frequency : 1732.6 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
32.82	S	-50.66	-31.76	-18.07	-0.83	-25	-25.66
91.37	S	-52.99	-51.41	-0.27	-1.31	-25	-27.99
257.16	S	-65.09	-67.50	4.70	-2.29	-25	-40.09
542.87	S	-67.99	-71.12	6.51	-3.39	-25	-42.99
685.37	S	-67.17	-70.94	7.55	-3.79	-25	-42.17
847.62	S	-64.44	-67.98	7.80	-4.26	-25	-39.44
3465.20	H	-58.01	-61.51	12.23	-8.73	-25	-33.01

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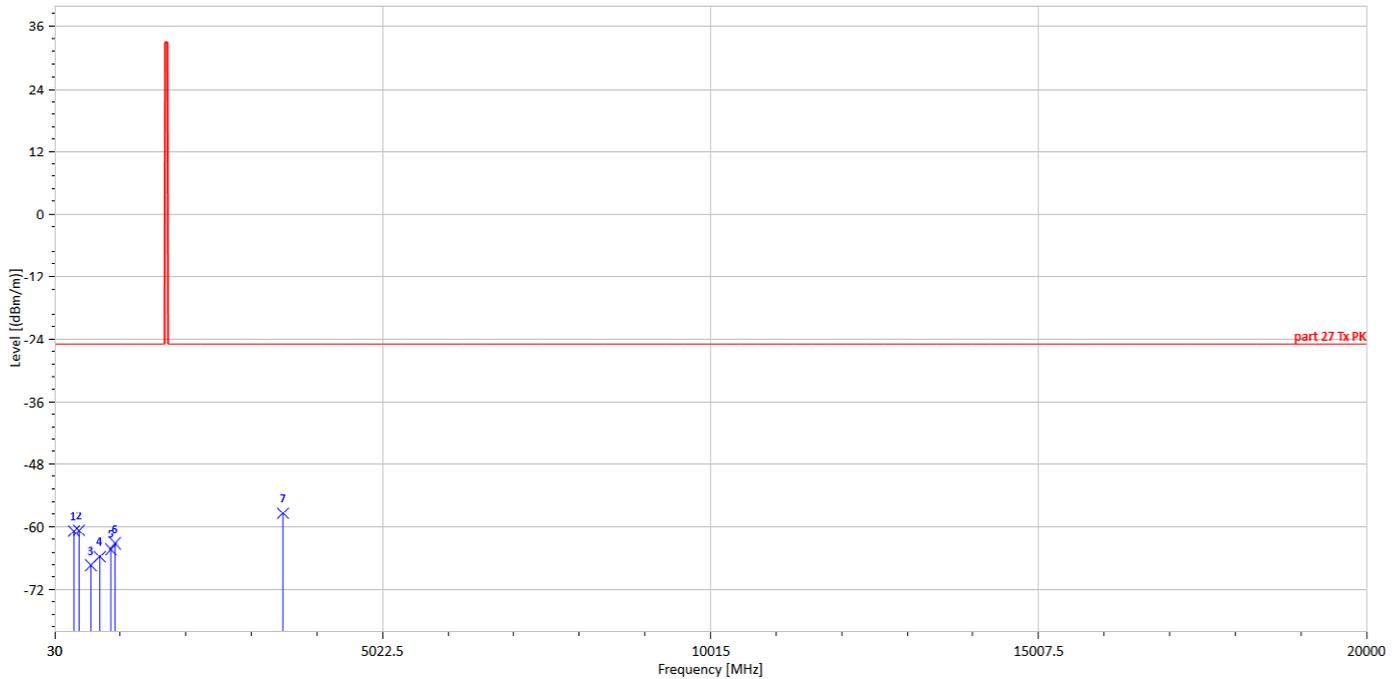
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Operation Mode : WCDMA B4 Test Date : 2017/11/27
 Fundamental Frequency : 1752.6 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
323.47	S	-60.92	-64.26	5.92	-2.57	-25	-35.92
400.36	S	-60.78	-63.66	5.76	-2.87	-25	-35.78
581.67	S	-67.31	-70.62	6.81	-3.50	-25	-42.31
717.11	S	-65.67	-69.51	7.71	-3.87	-25	-40.67
885.72	S	-64.26	-67.75	7.87	-4.38	-25	-39.26
949.21	S	-63.20	-66.64	7.96	-4.52	-25	-38.20
3505.20	H	-57.46	-61.00	12.30	-8.76	-25	-32.46

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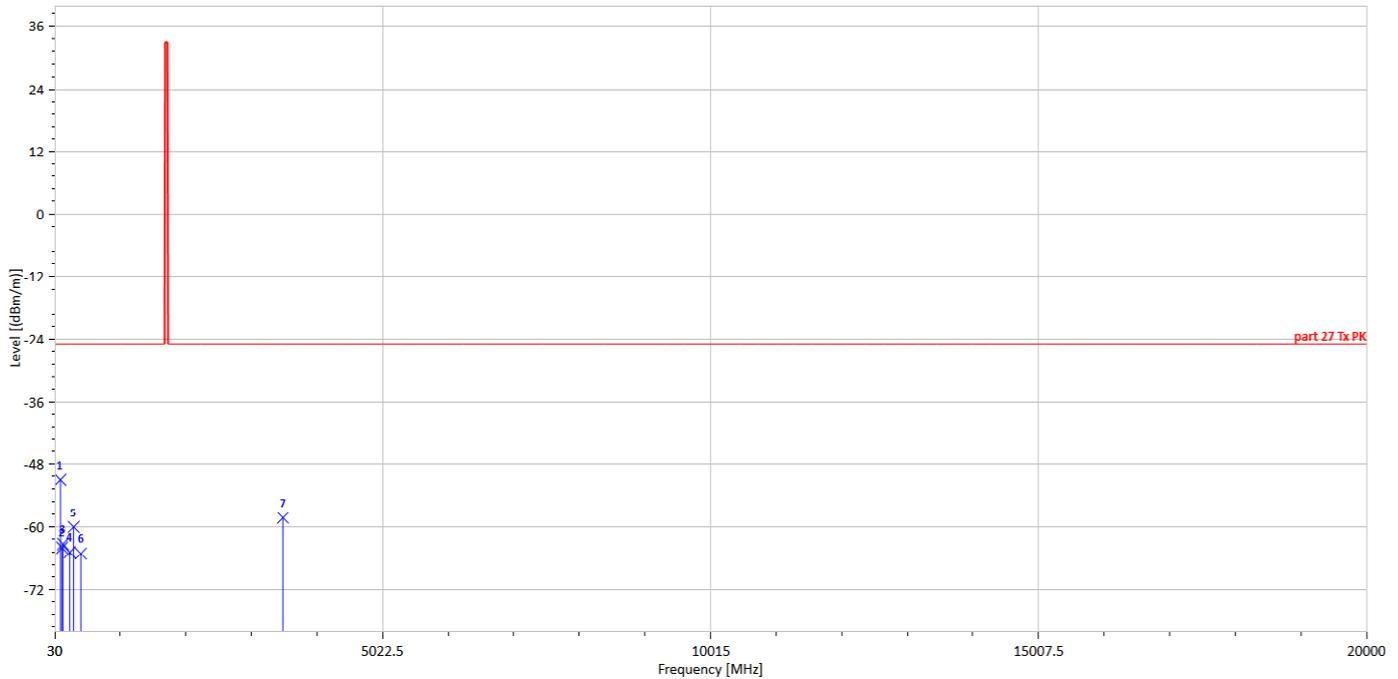
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Operation Mode : WCDMA B4 Test Date : 2017/11/27
 Fundamental Frequency : 1752.6 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
117.48	S	-51.02	-48.20	-1.32	-1.49	-25	-26.02
143.58	S	-64.01	-63.64	1.30	-1.67	-25	-39.01
155.57	S	-63.35	-64.33	2.72	-1.74	-25	-38.35
259.98	S	-64.85	-67.06	4.51	-2.30	-25	-39.85
319.24	S	-60.06	-63.41	5.91	-2.56	-25	-35.06
427.88	S	-65.09	-68.16	6.04	-2.97	-25	-40.09
3505.20	H	-58.33	-61.87	12.30	-8.76	-25	-33.33

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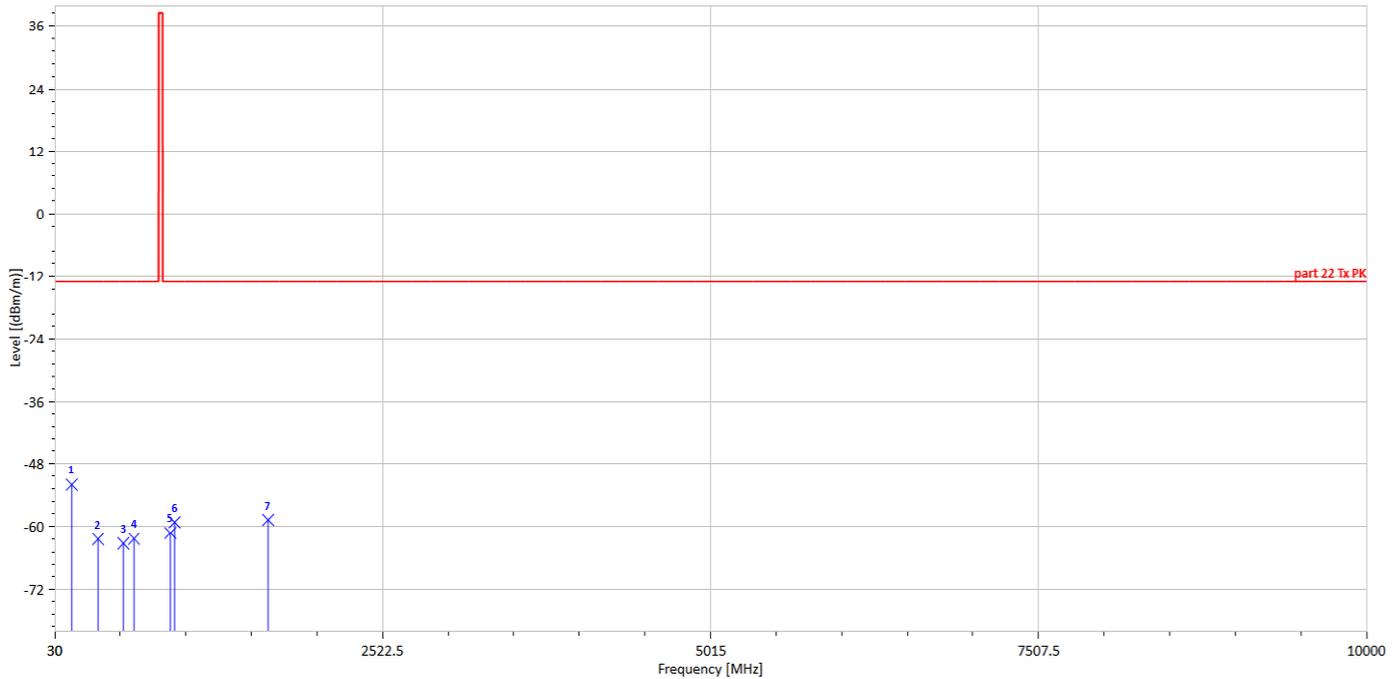
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Radiated Spurious Emission Measurement Result: WCDMA Band 5 Mode

Operation Mode : WCDMA B5 Test Date : 2017/11/27
 Fundamental Frequency : 826.4 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Low Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
159.80	S	-51.95	-51.50	1.32	-1.77	-13	-38.95
360.15	S	-62.46	-63.14	3.39	-2.71	-13	-49.46
552.04	S	-63.23	-63.80	3.98	-3.41	-13	-50.23
633.16	S	-62.39	-63.25	4.52	-3.66	-13	-49.39
909.70	S	-61.33	-62.17	5.27	-4.43	-13	-48.33
941.45	S	-59.28	-60.16	5.38	-4.50	-13	-46.28
1652.80	H	-58.84	-58.98	6.59	-6.46	-13	-45.84

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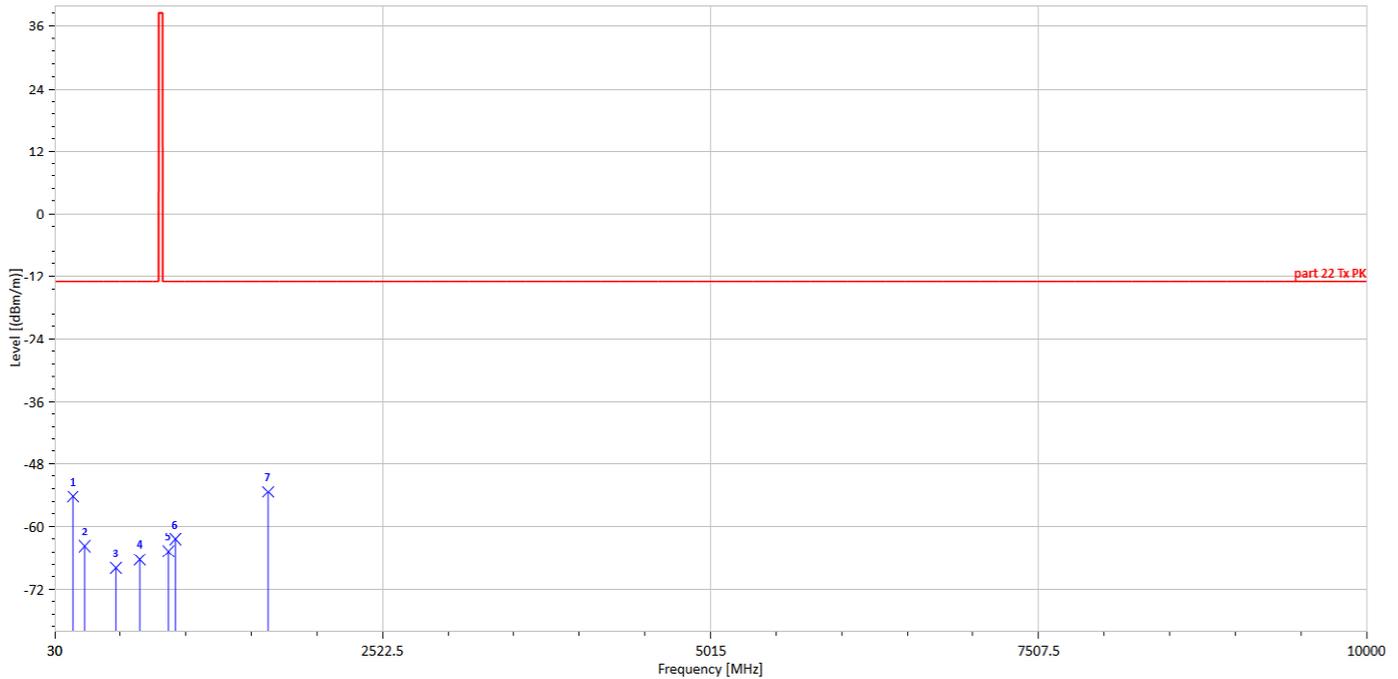
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Operation Mode : WCDMA B5 Test Date : 2017/11/27
 Fundamental Frequency : 826.4 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Low Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
169.68	S	-54.29	-54.99	2.53	-1.83	-13	-41.29
257.86	S	-63.76	-63.69	2.22	-2.29	-13	-50.76
495.60	S	-67.84	-68.63	4.00	-3.21	-13	-54.84
676.90	S	-66.28	-67.37	4.86	-3.76	-13	-53.28
894.89	S	-64.71	-65.53	5.22	-4.40	-13	-51.71
947.80	S	-62.51	-63.40	5.40	-4.52	-13	-49.51
1652.80	H	-53.39	-53.52	6.59	-6.46	-13	-40.39

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