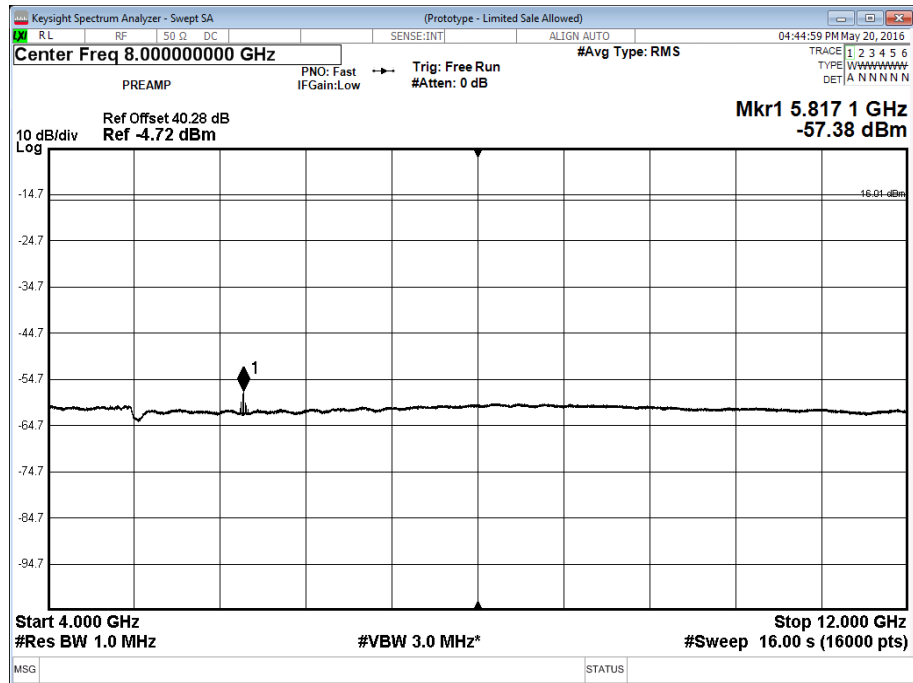
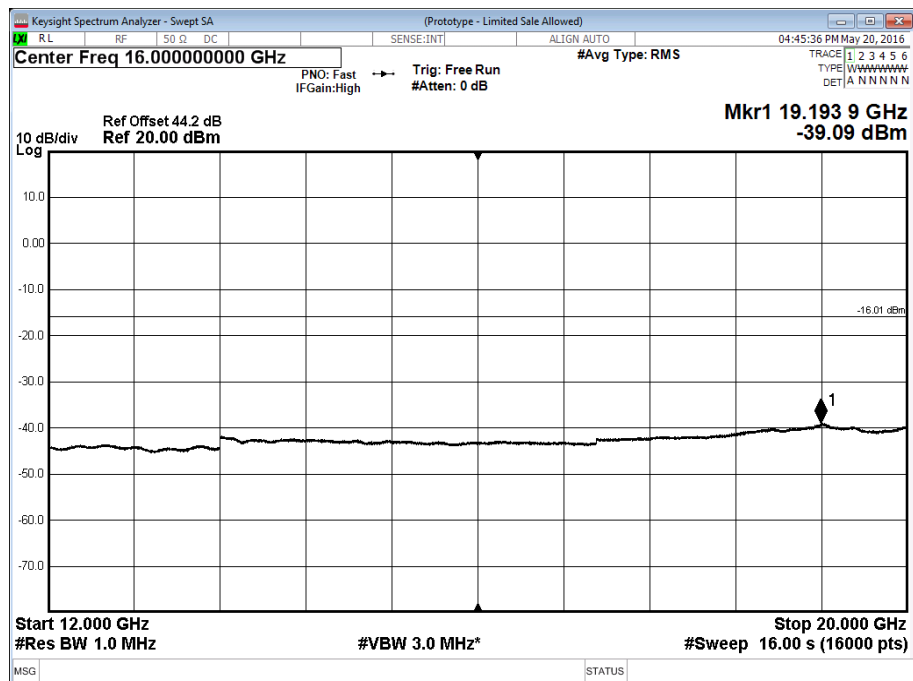


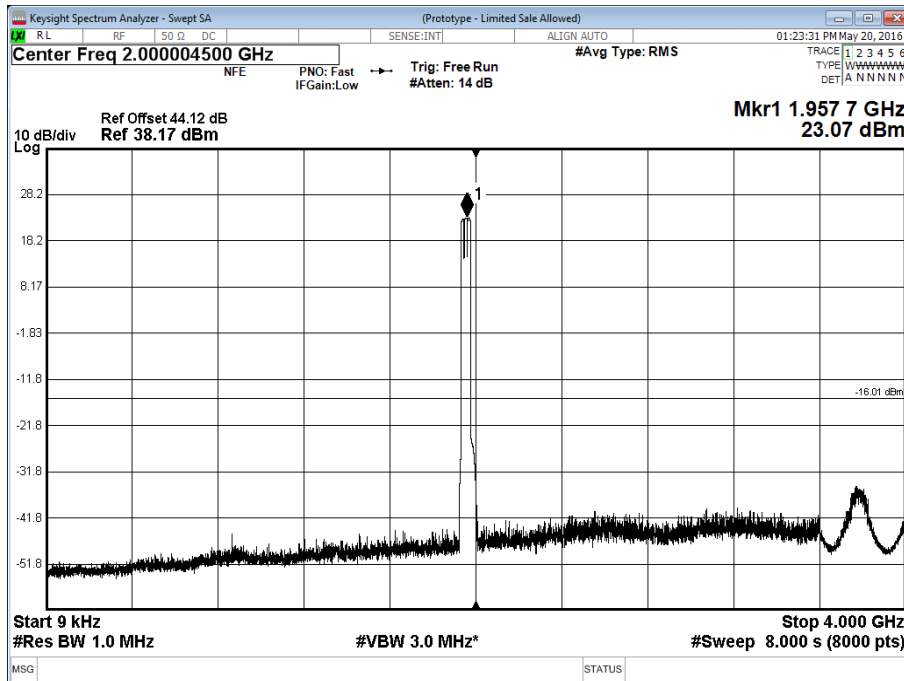
Channel Position B - Bandwidth 1.4 MHz - Antenna A



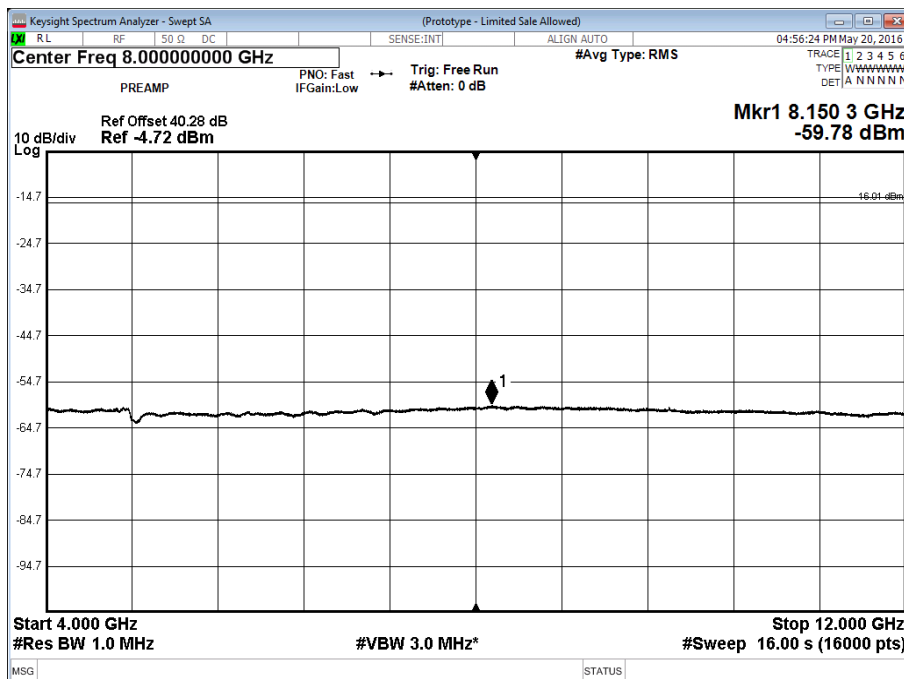
Channel Position B - Bandwidth 1.4 MHz - Antenna A



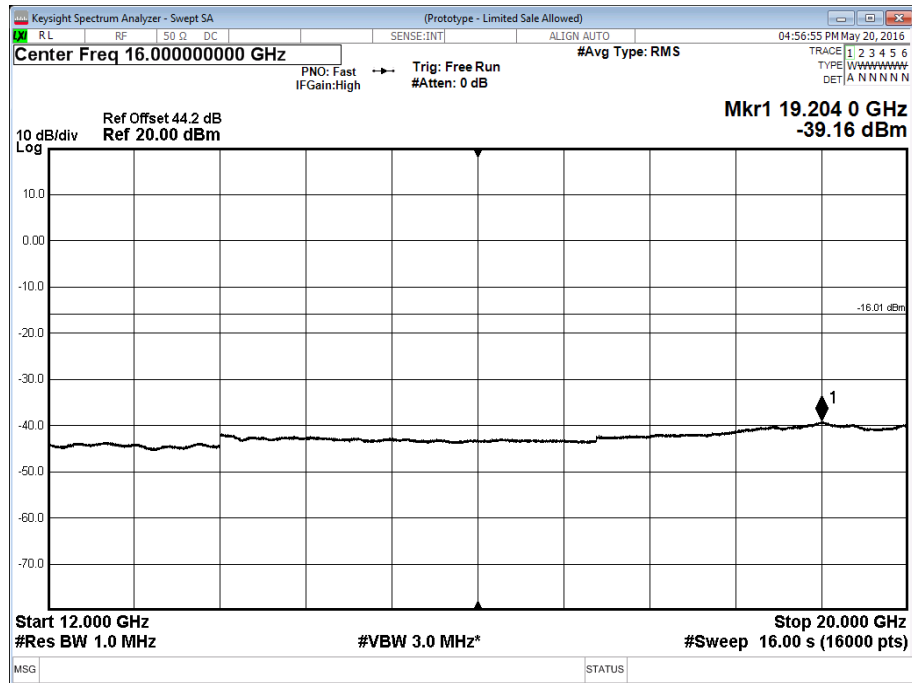
Channel Position B - Bandwidth 15.0 MHz - Antenna A



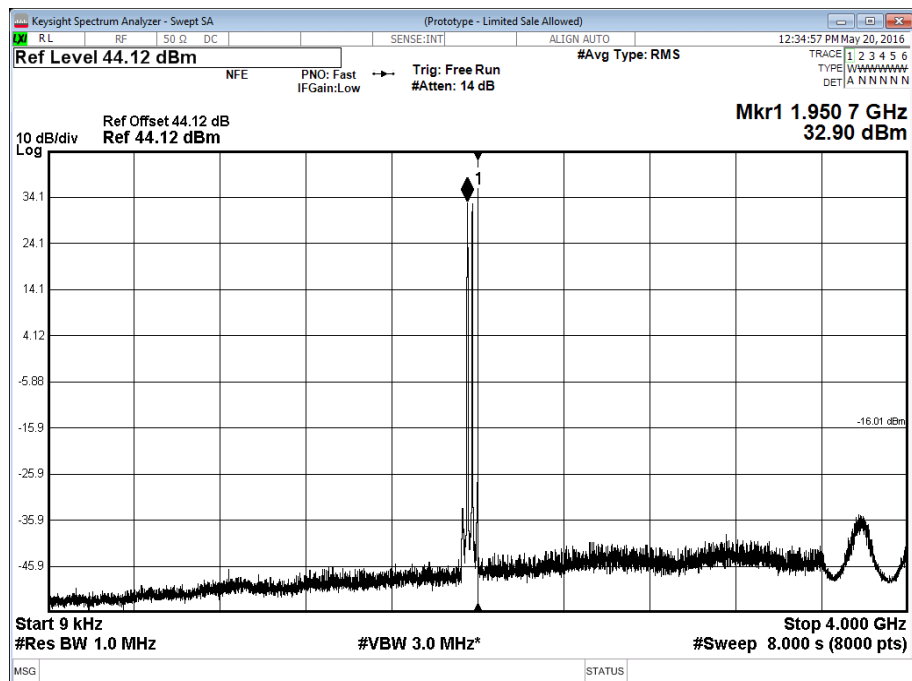
Channel Position B - Bandwidth 15.0 MHz - Antenna A



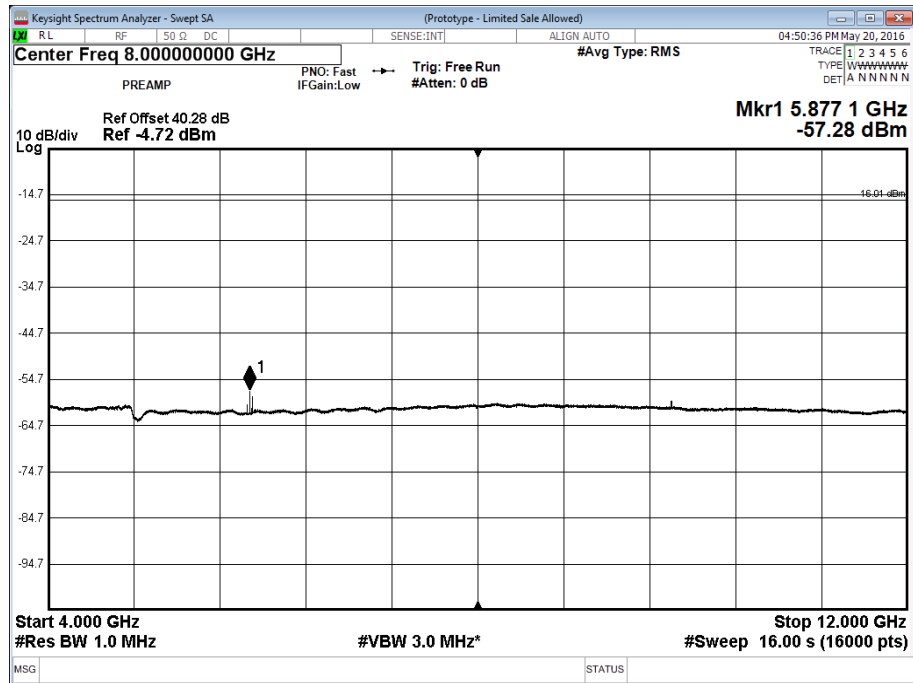
Channel Position B - Bandwidth 15.0 MHz - Antenna A



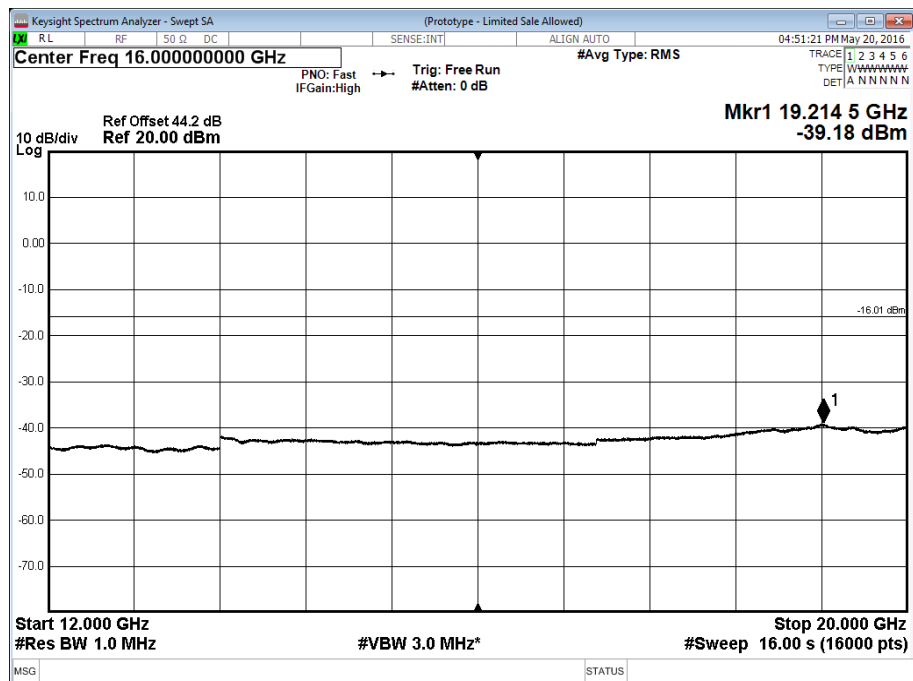
Channel Position M - Bandwidth 1.4 MHz - Antenna A



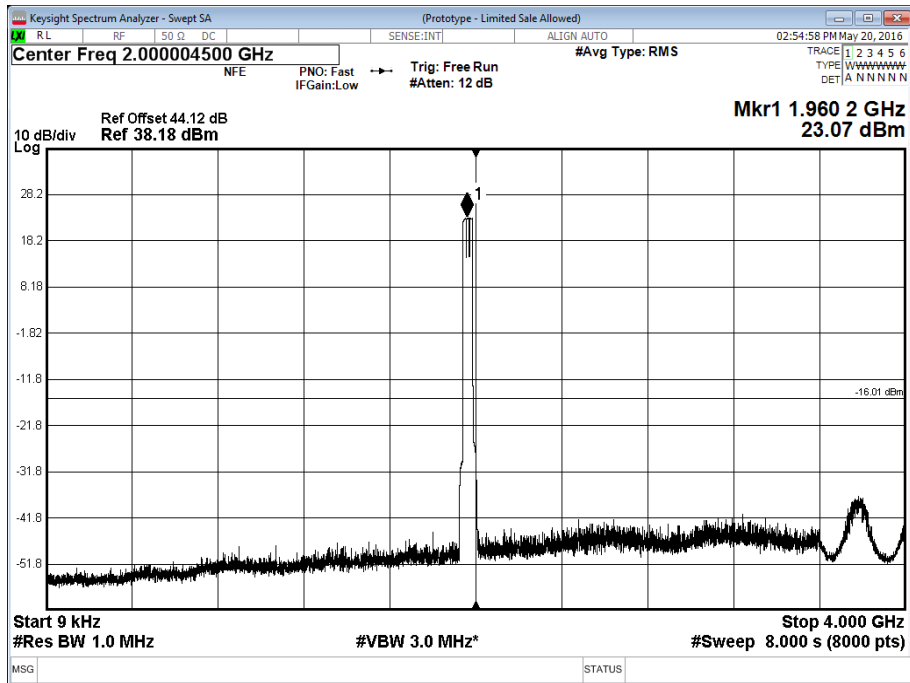
Channel Position M - Bandwidth 1.4 MHz - Antenna A



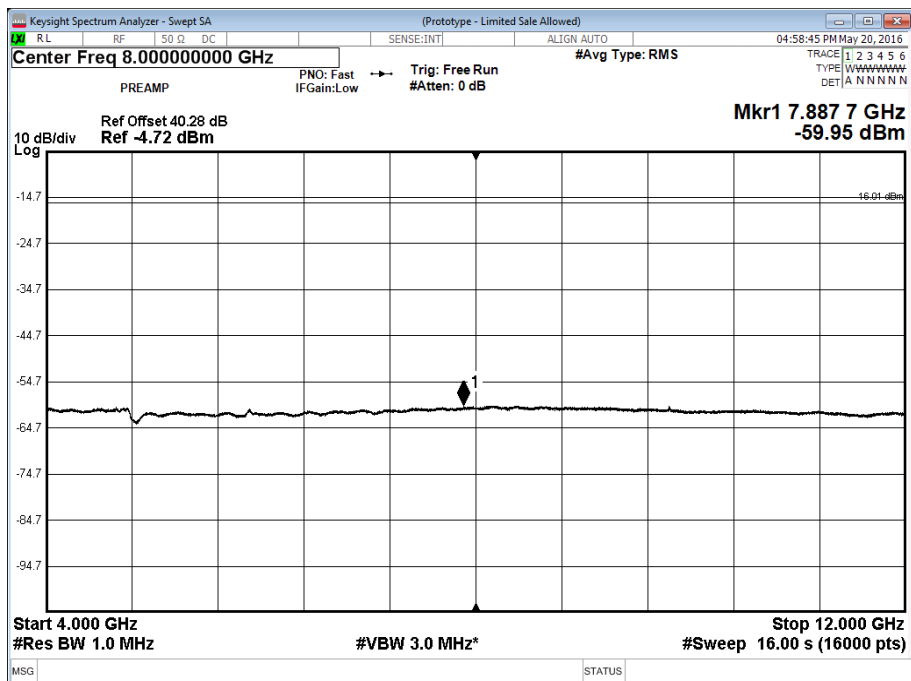
Channel Position M - Bandwidth 1.4 MHz - Antenna A



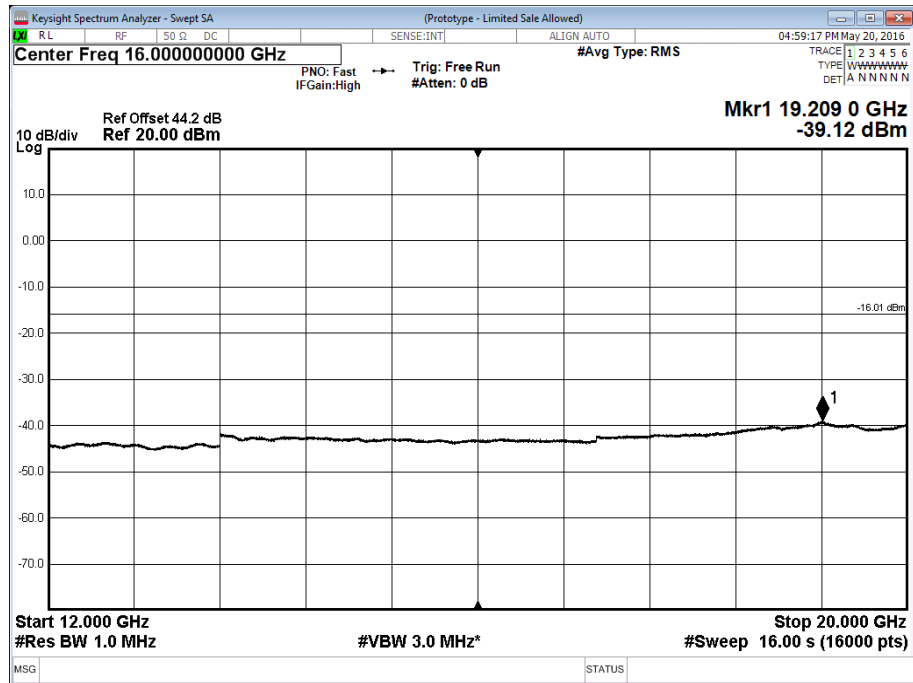
Channel Position M - Bandwidth 15.0 MHz - Antenna A



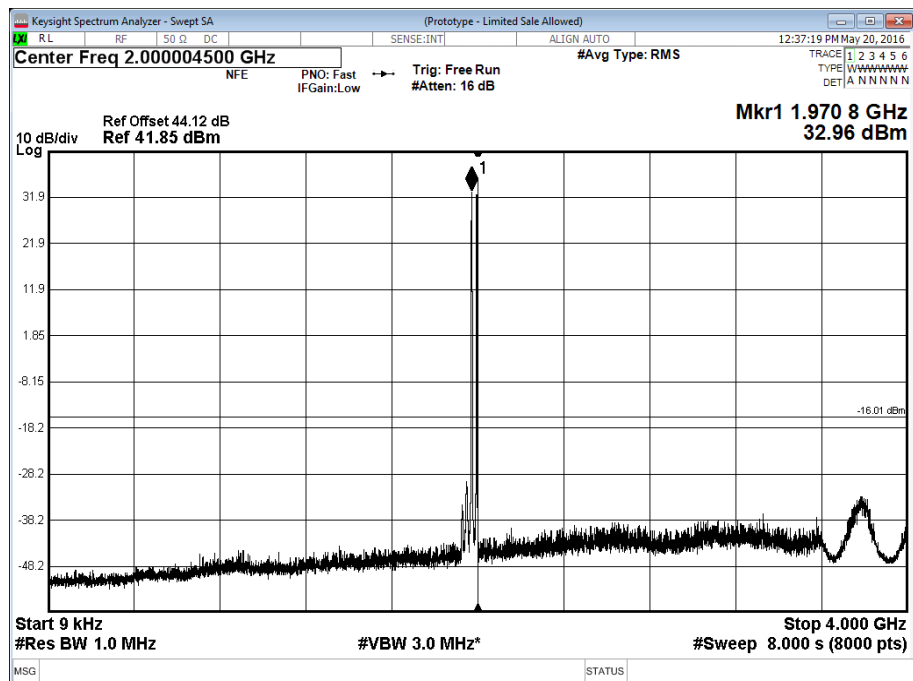
Channel Position M - Bandwidth 15.0 MHz - Antenna A



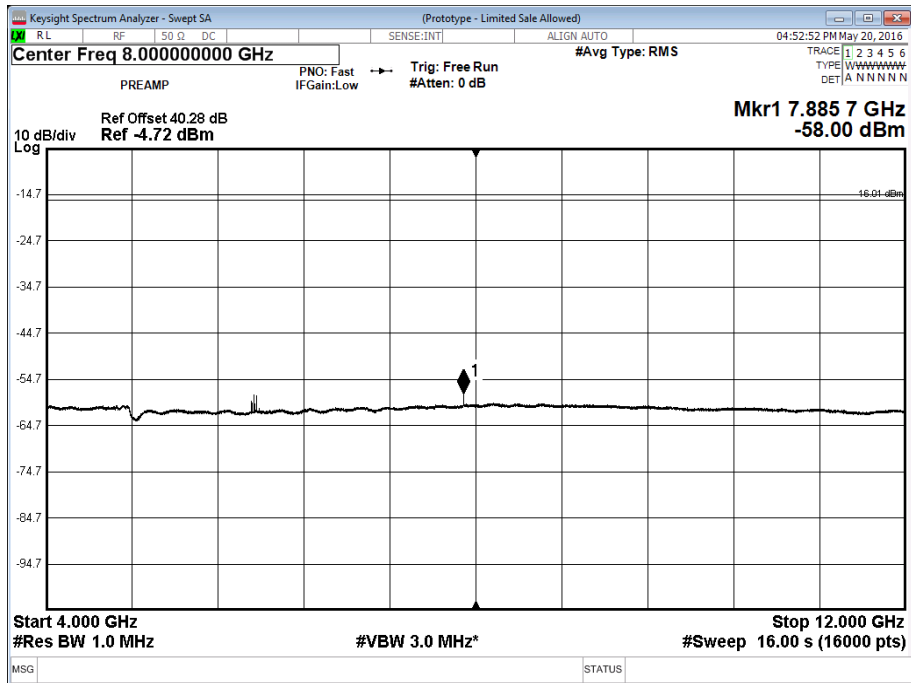
Channel Position M - Bandwidth 15.0 MHz - Antenna A



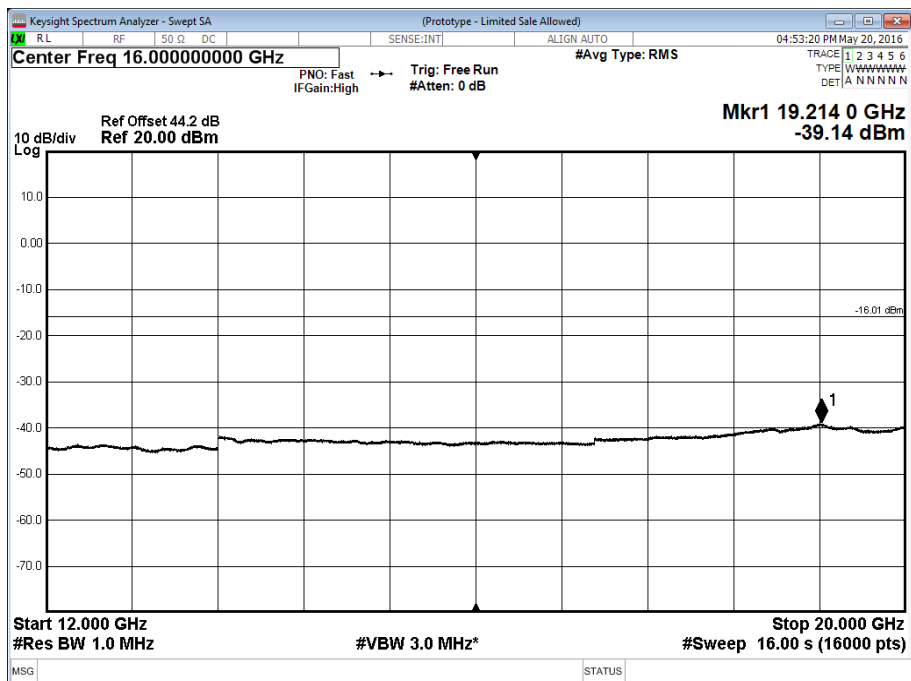
Channel Position T - Bandwidth 1.4 MHz - Antenna A



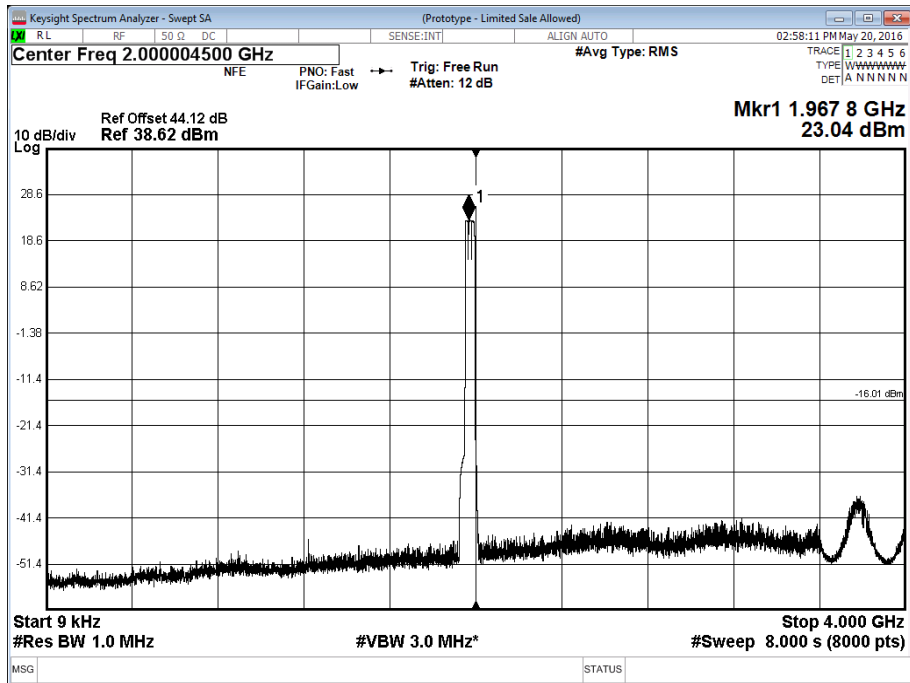
Channel Position T - Bandwidth 1.4 MHz - Antenna A



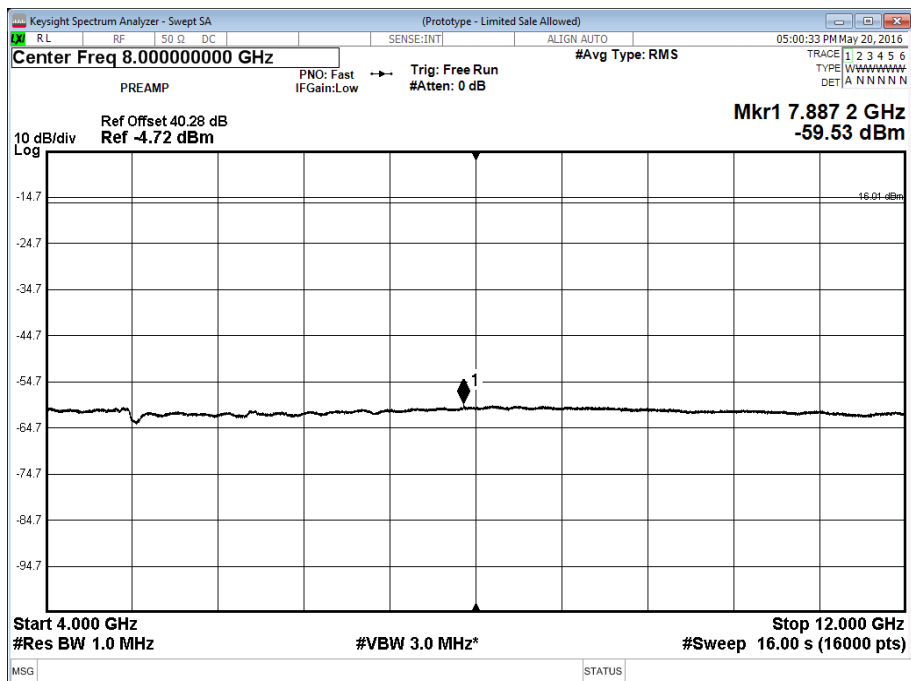
Channel Position T - Bandwidth 1.4 MHz - Antenna A



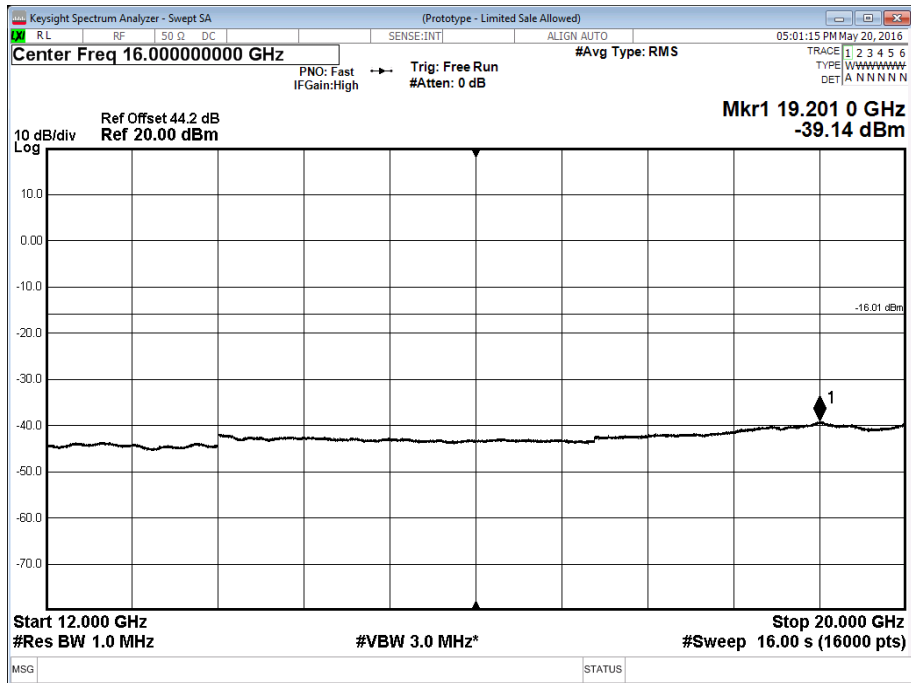
Channel Position T - Bandwidth 15.0 MHz - Antenna A



Channel Position T - Bandwidth 15.0 MHz - Antenna A



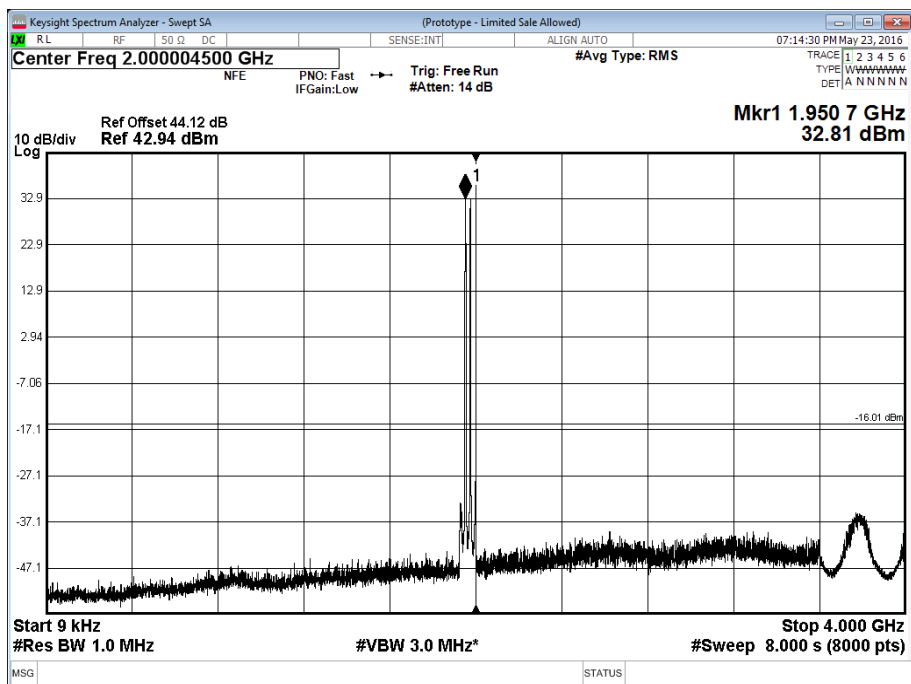
Channel Position T - Bandwidth 15.0 MHz - Antenna A



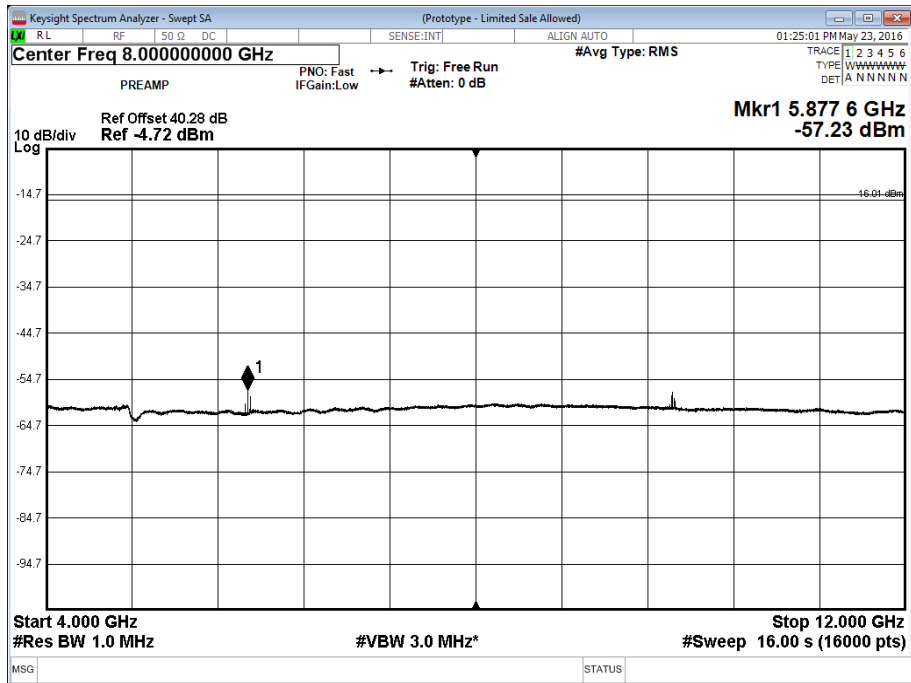
Configuration F

Maximum Output Power 37 dBm

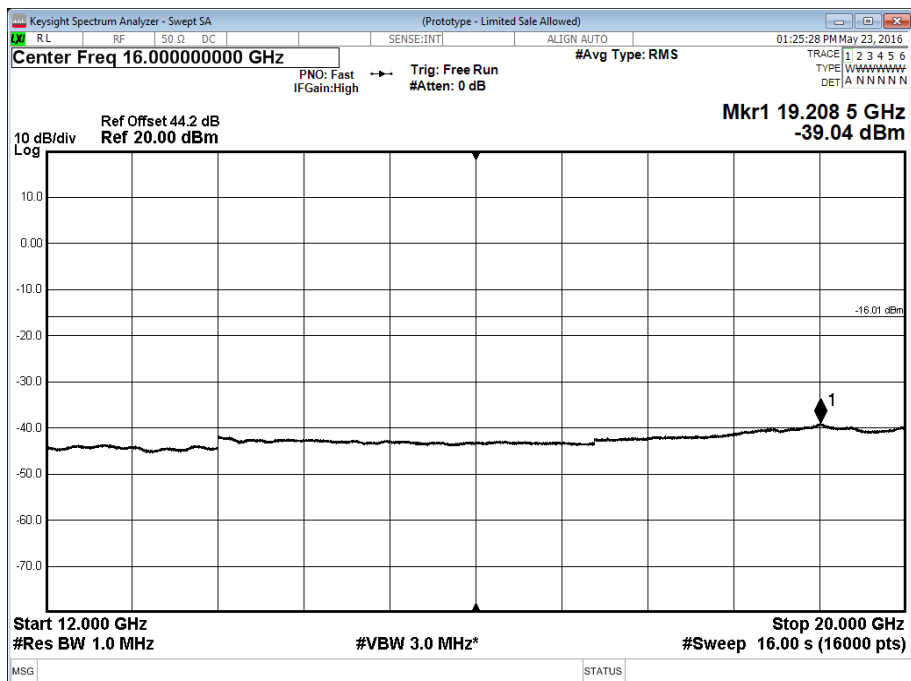
Channel Position M - Bandwidth 1.4 MHz - Antenna B



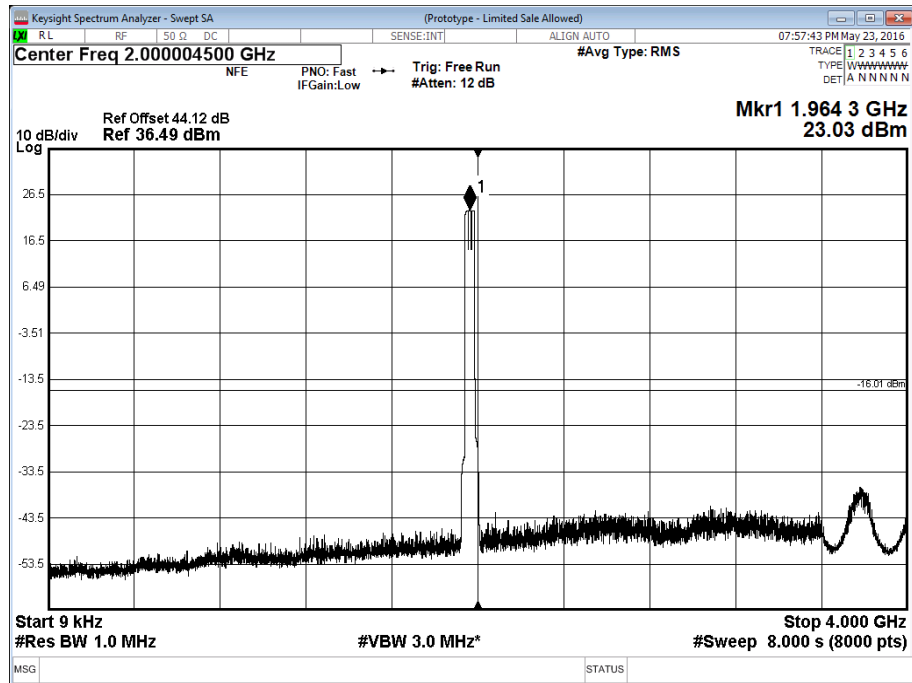
Channel Position M - Bandwidth 1.4 MHz - Antenna B



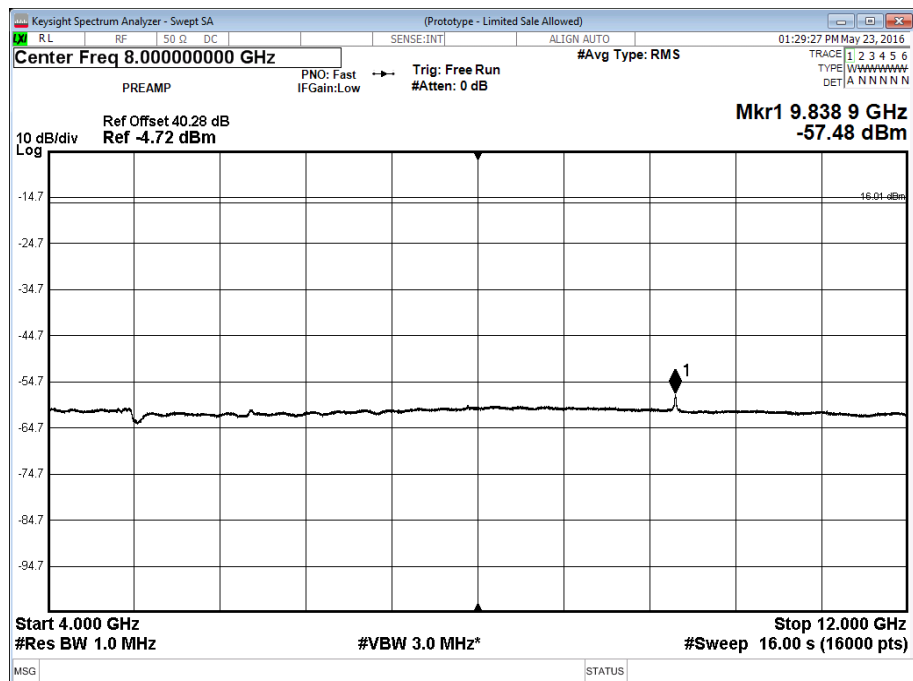
Channel Position M - Bandwidth 1.4 MHz - Antenna B



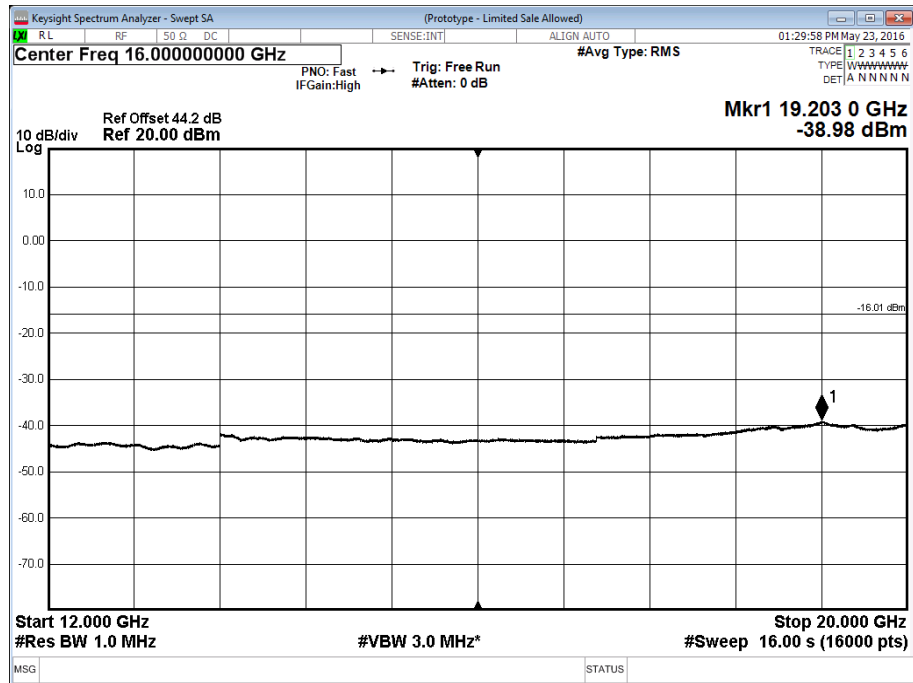
Channel Position M - Bandwidth 15.0 MHz - Antenna B



Channel Position M - Bandwidth 15.0 MHz - Antenna B



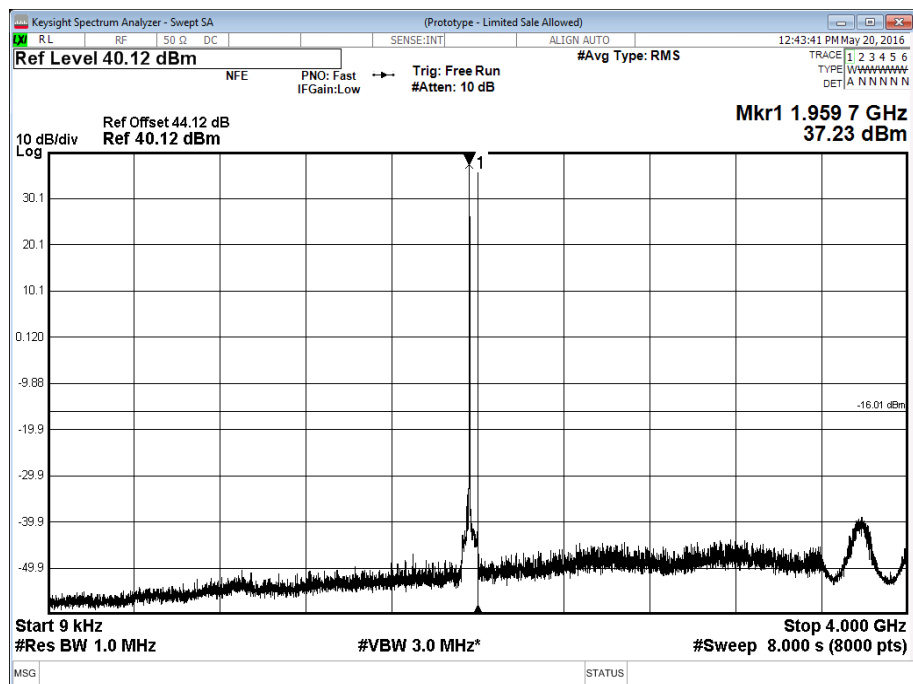
Channel Position M - Bandwidth 15.0 MHz - Antenna B



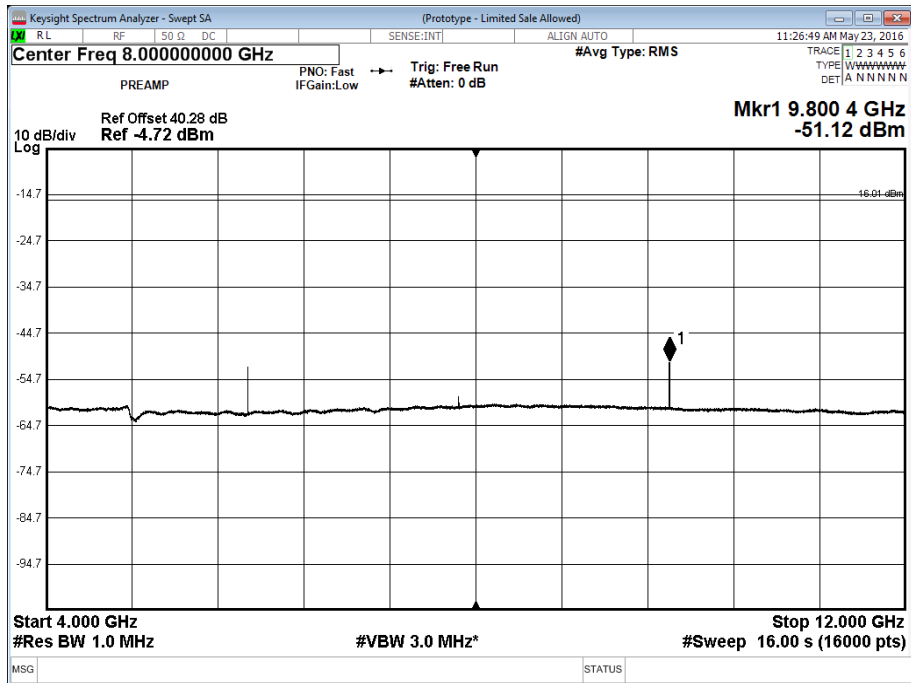
Configuration L

Maximum Output Power 37 dBm

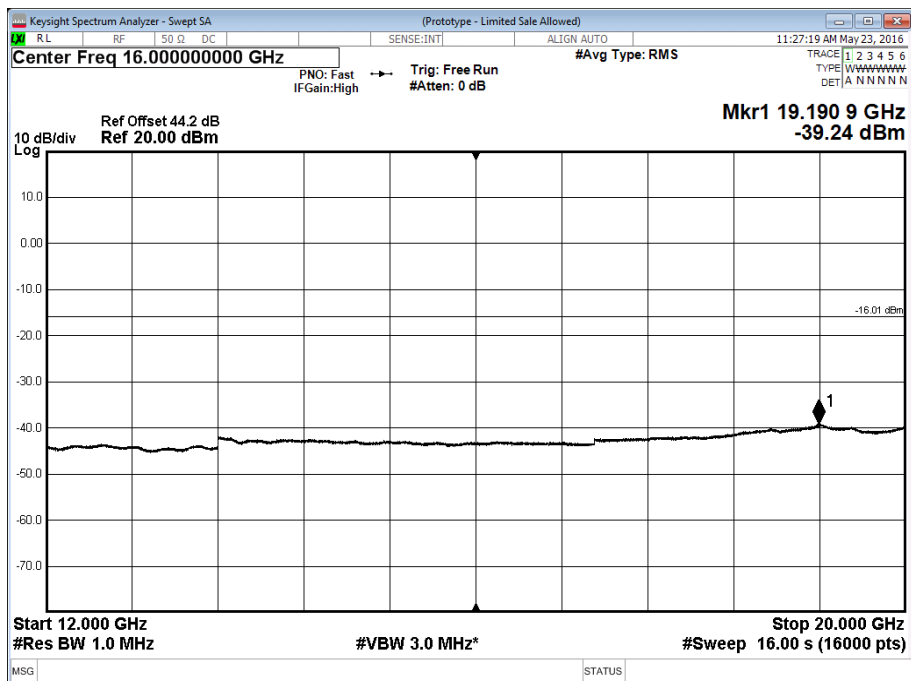
Channel Position M - Bandwidth 1.4 MHz - Antenna A



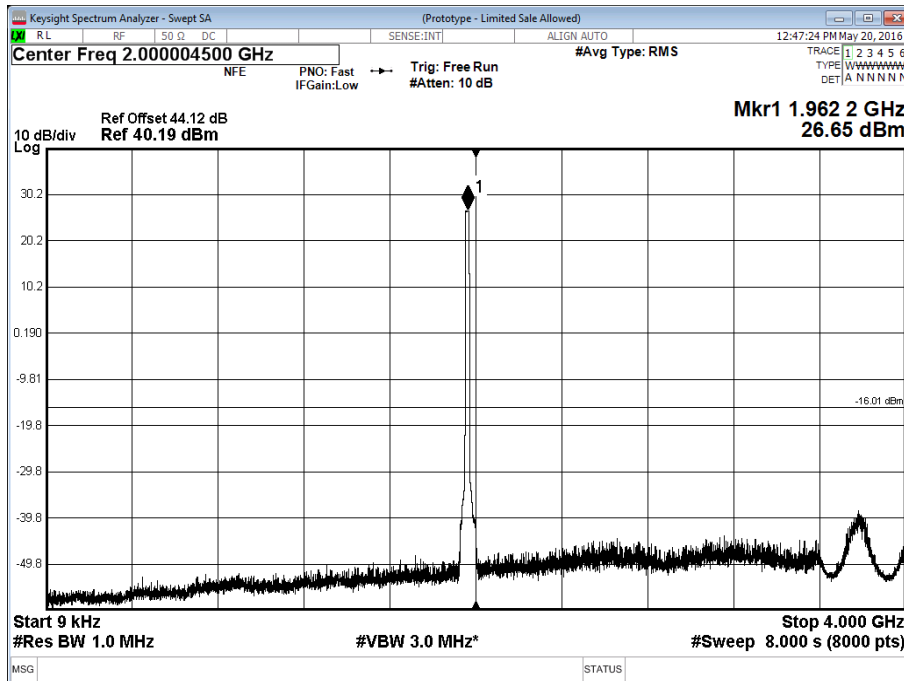
Channel Position M - Bandwidth 1.4 MHz - Antenna A



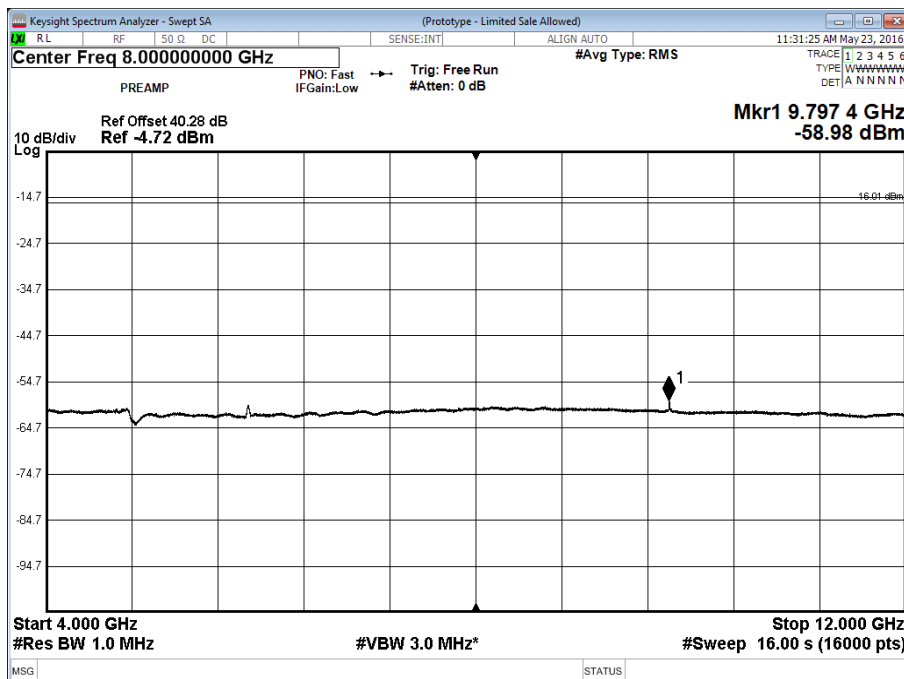
Channel Position M - Bandwidth 1.4 MHz - Antenna A



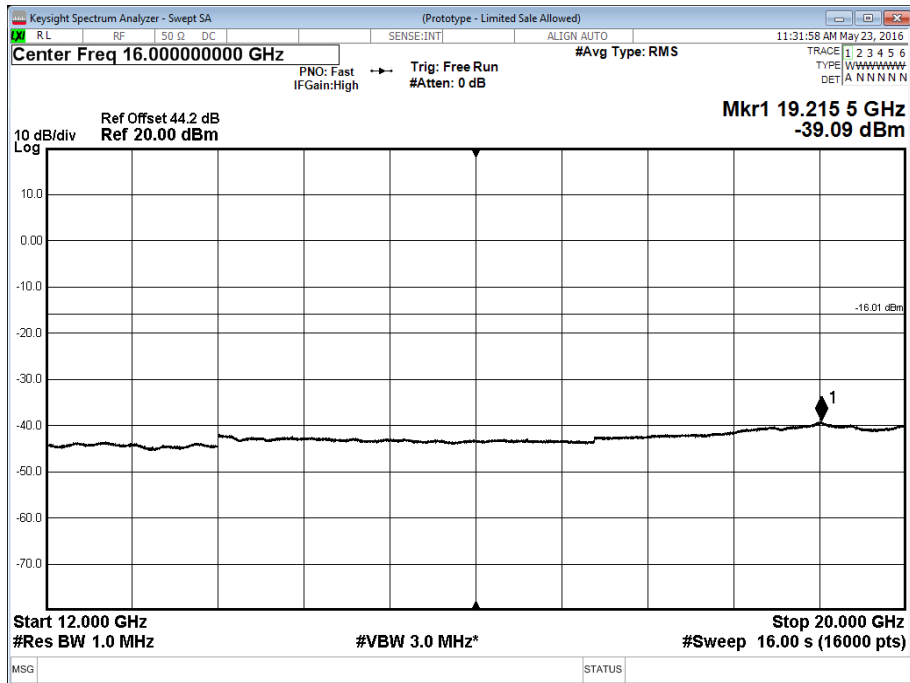
Channel Position M - Bandwidth 20.0 MHz - Antenna A



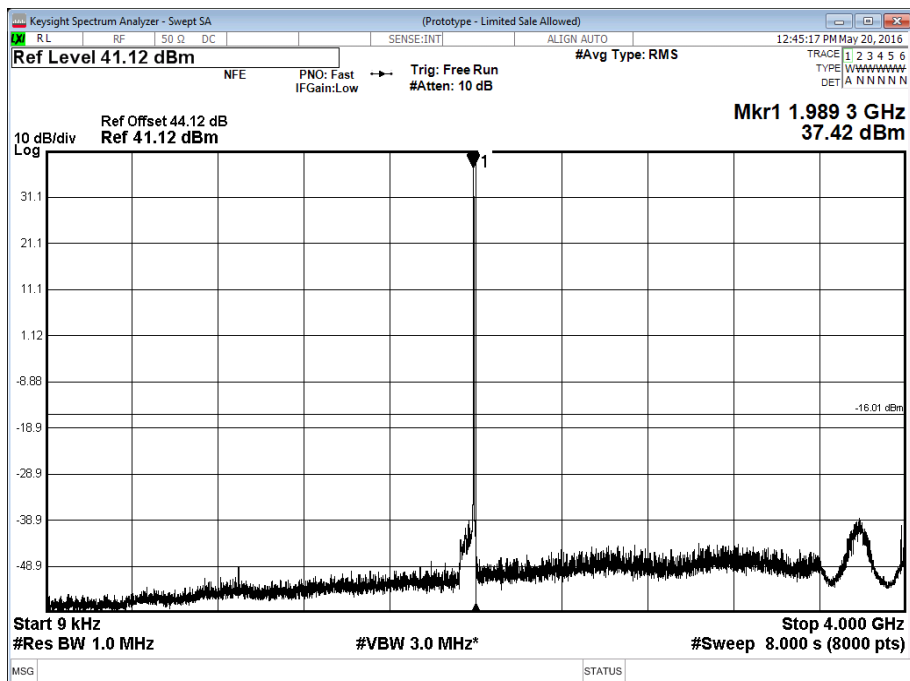
Channel Position M - Bandwidth 20.0 MHz - Antenna A



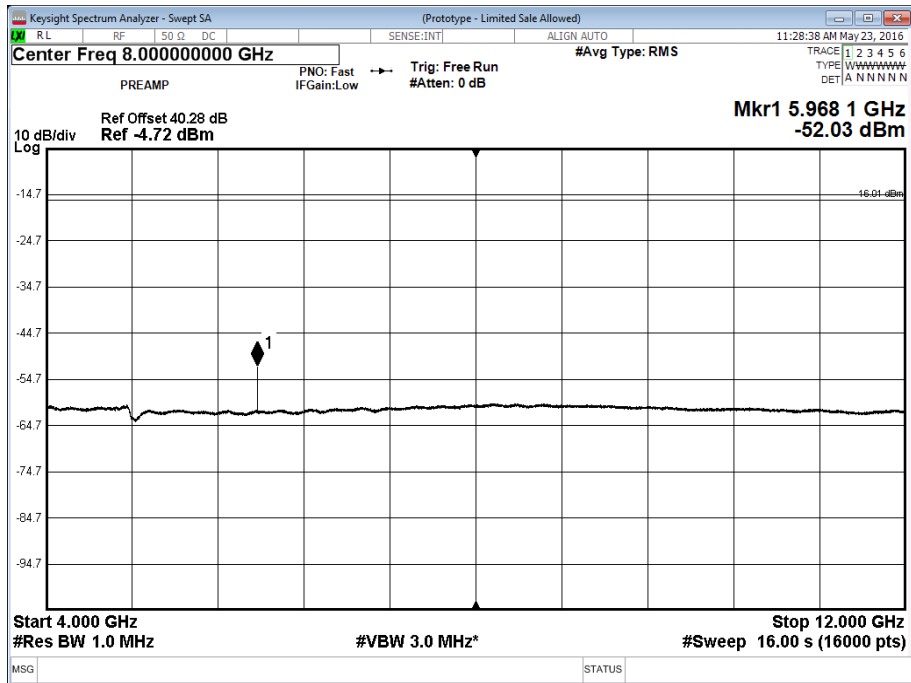
Channel Position M - Bandwidth 20.0 MHz - Antenna A



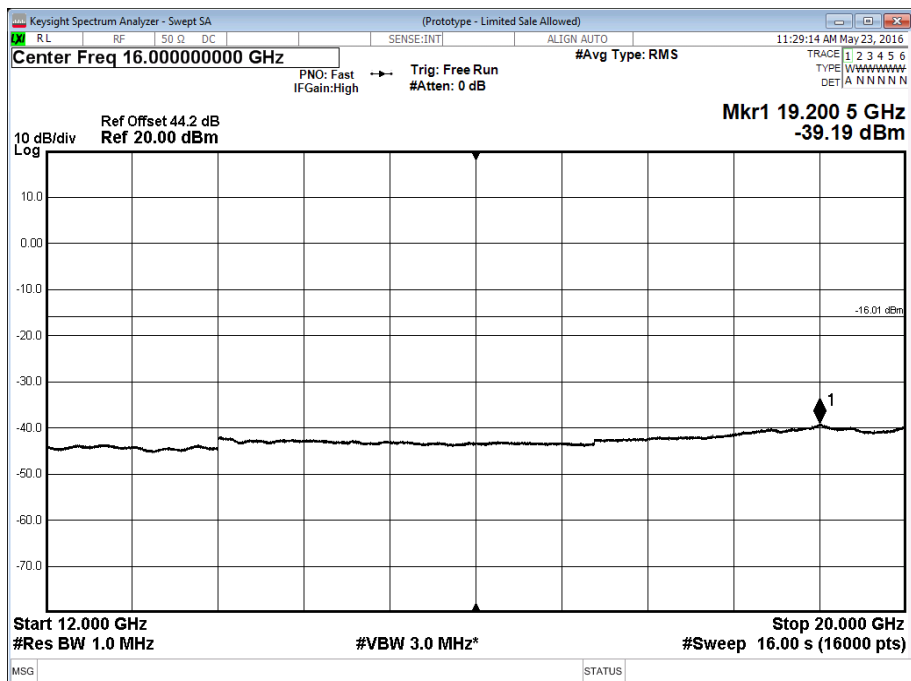
Channel Position T - Bandwidth 1.4 MHz - Antenna A



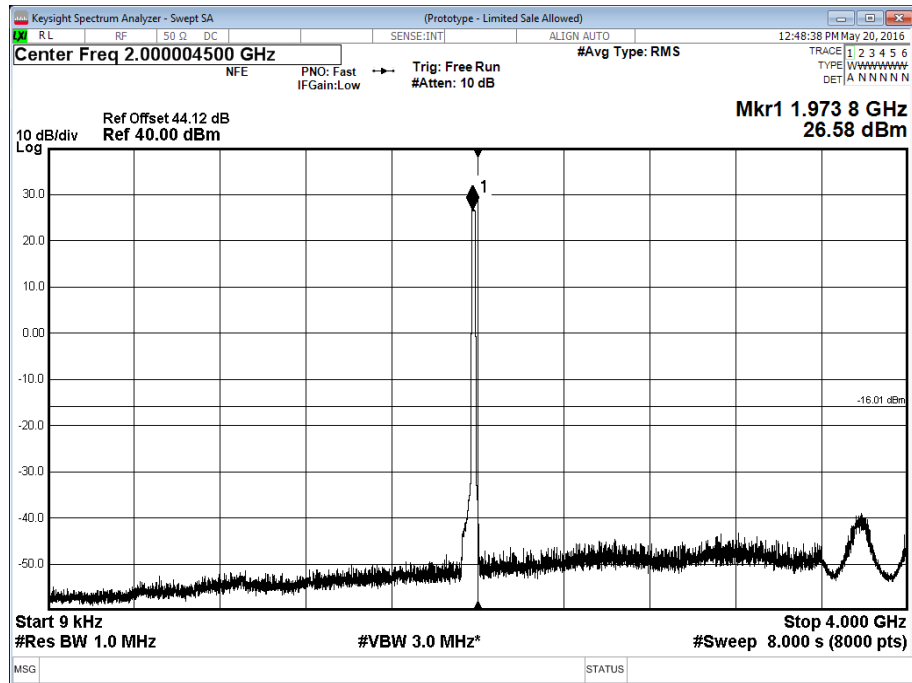
Channel Position T - Bandwidth 1.4 MHz - Antenna A



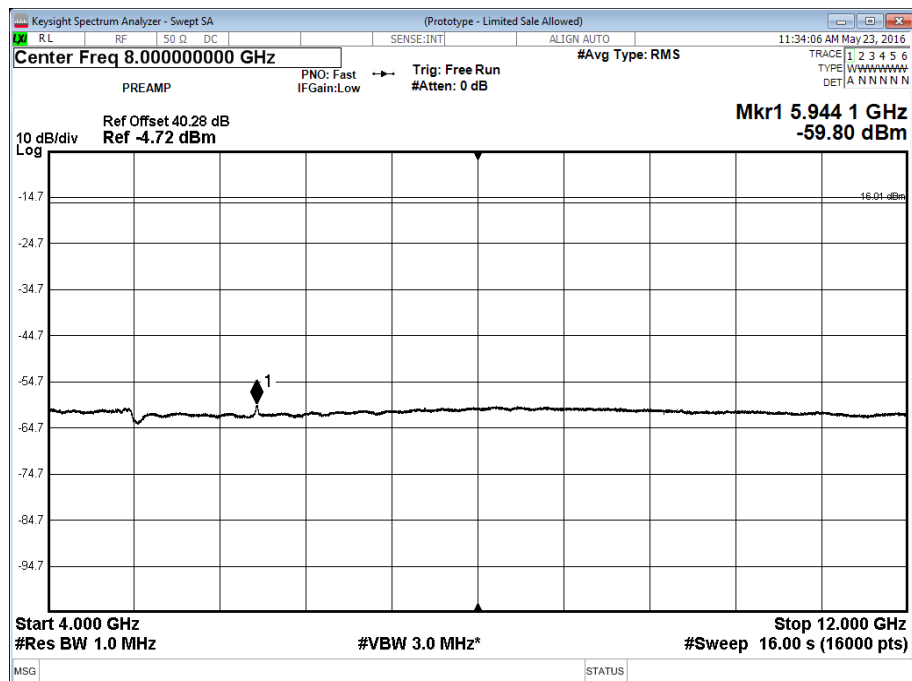
Channel Position T - Bandwidth 1.4 MHz - Antenna A



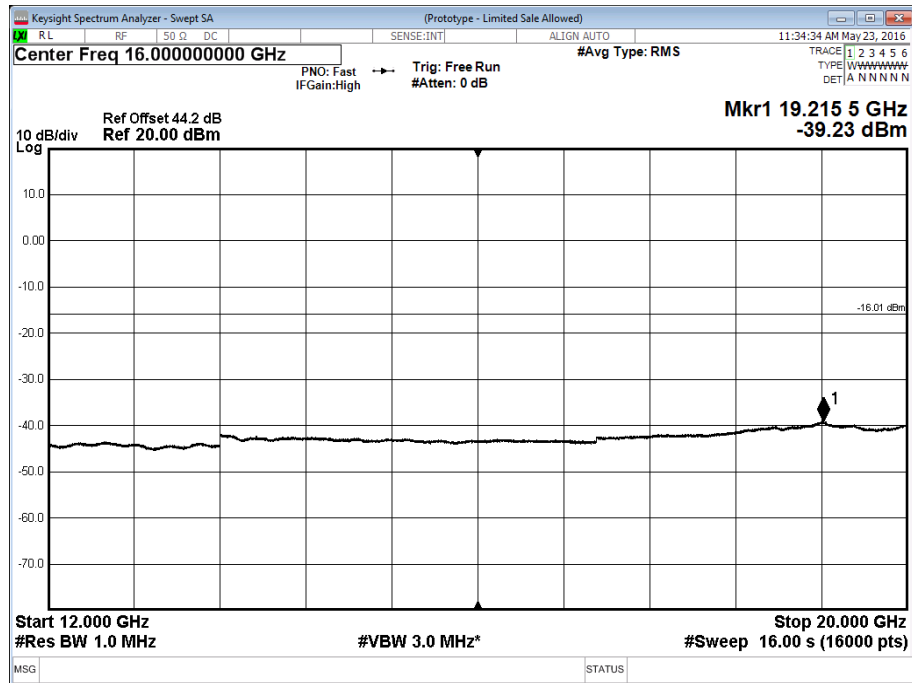
Channel Position T - Bandwidth 20.0 MHz - Antenna A



Channel Position T - Bandwidth 20.0 MHz - Antenna A



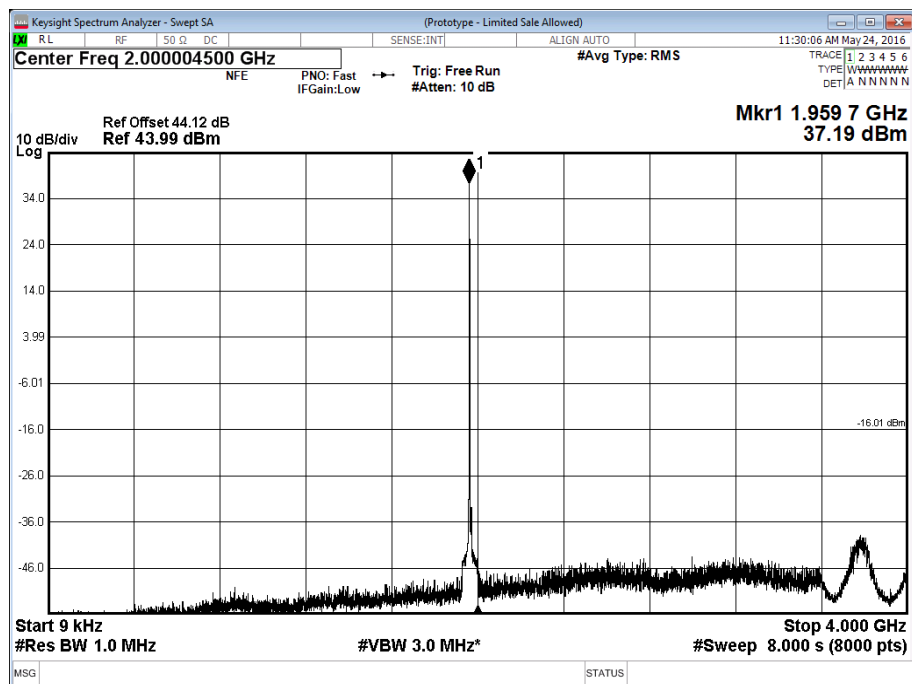
Channel Position T - Bandwidth 20.0 MHz - Antenna A



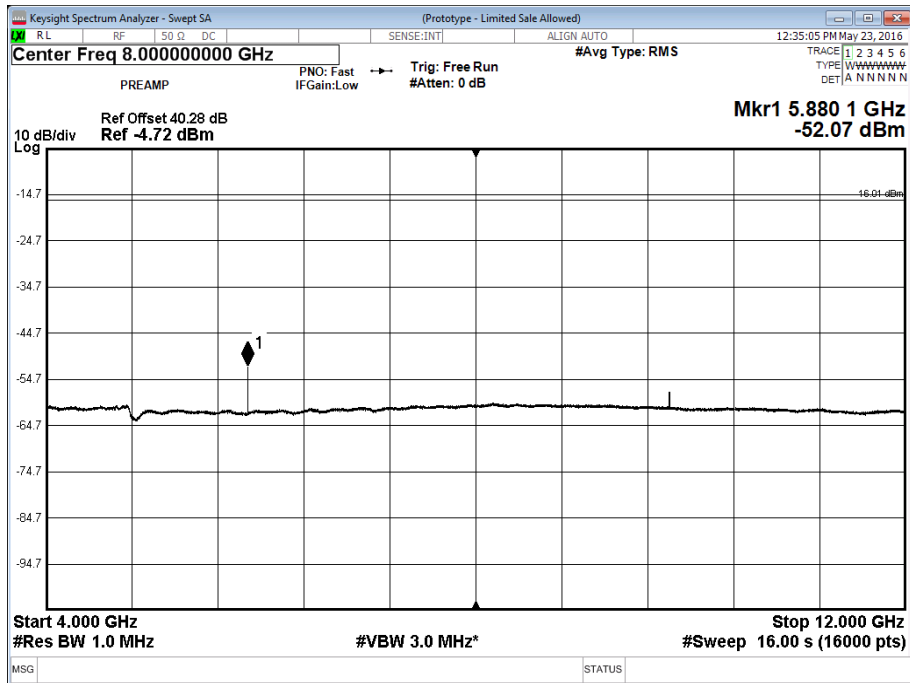
Configuration L

Maximum Output Power 37 dBm

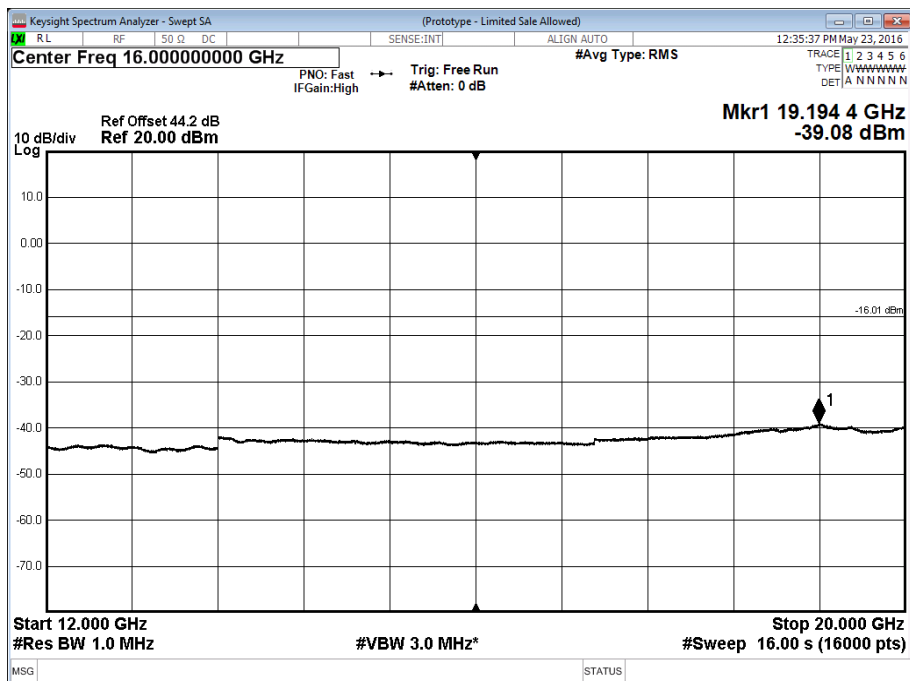
Channel Position M - Bandwidth 1.4 MHz - Antenna B



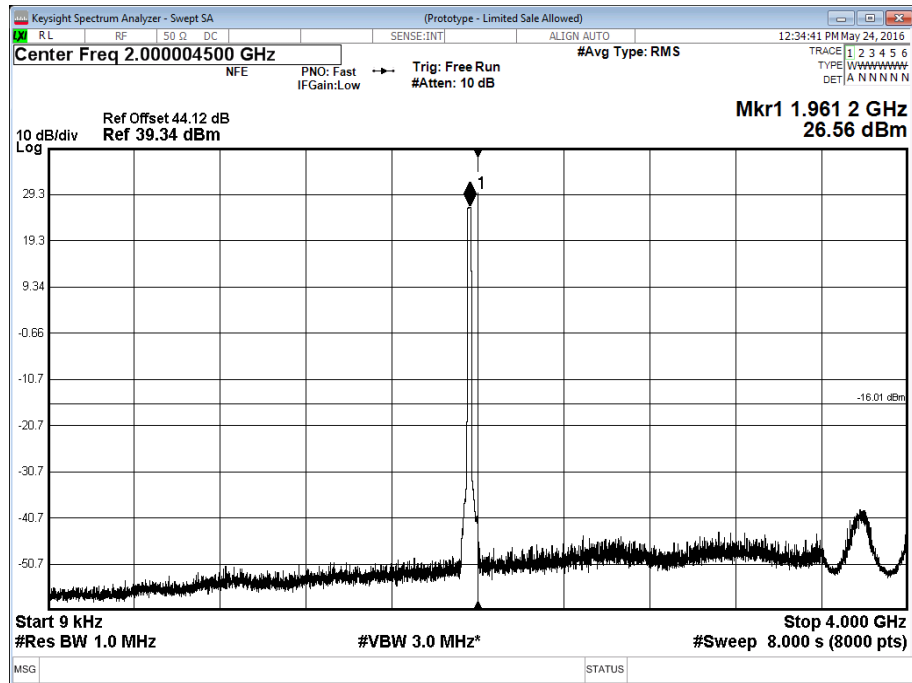
Channel Position M - Bandwidth 1.4 MHz - Antenna B



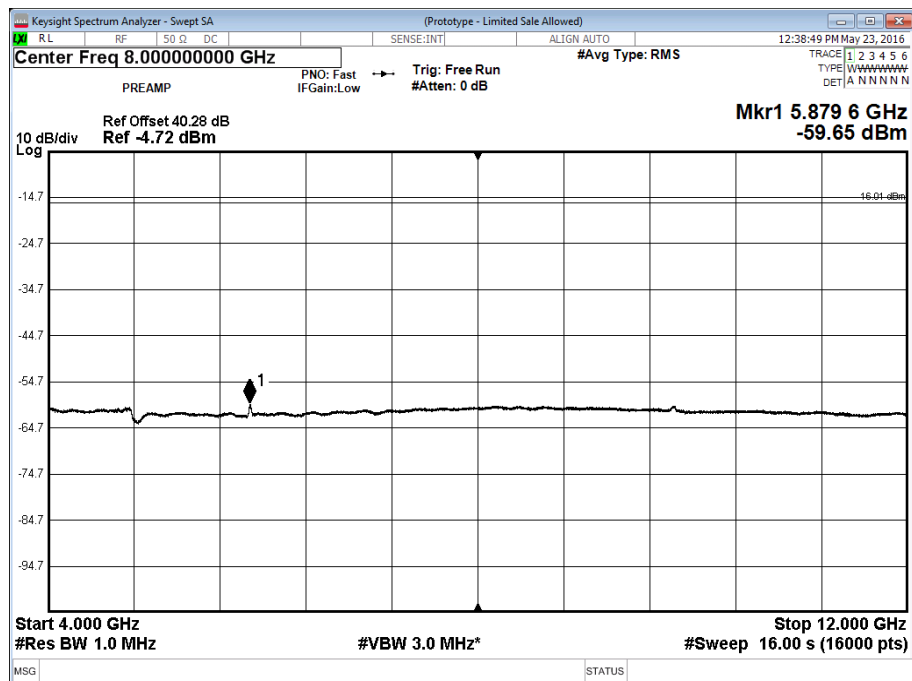
Channel Position M - Bandwidth 1.4 MHz - Antenna B



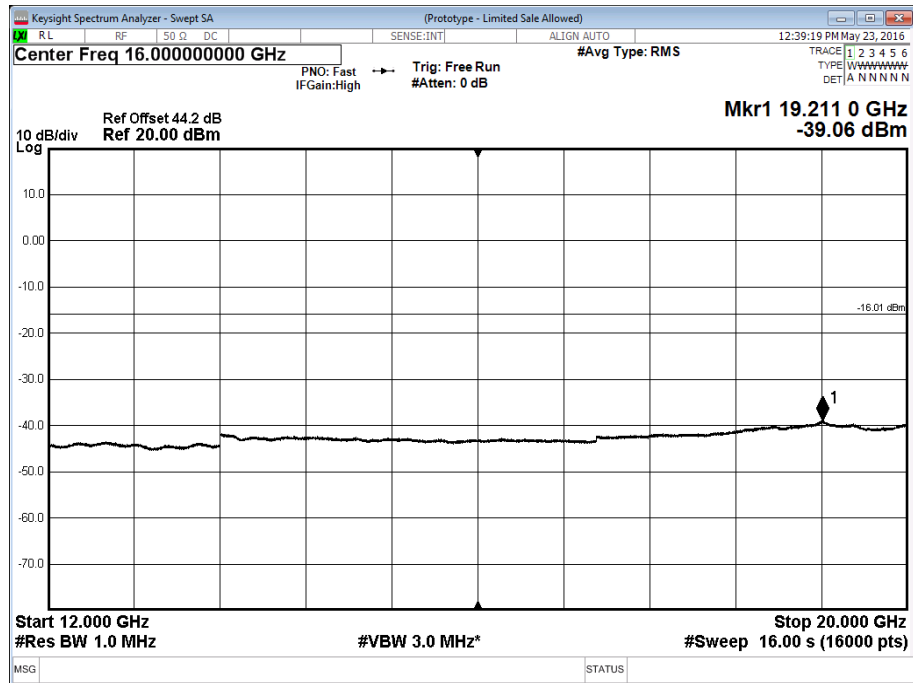
Channel Position M - Bandwidth 20.0 MHz - Antenna B



Channel Position M - Bandwidth 20.0 MHz - Antenna B



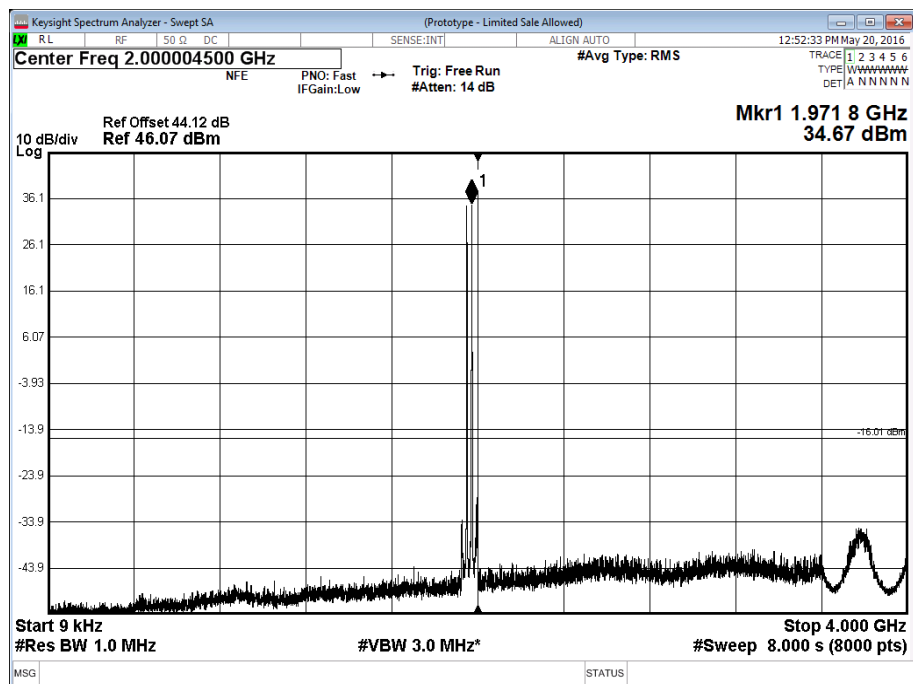
Channel Position M - Bandwidth 20.0 MHz - Antenna B



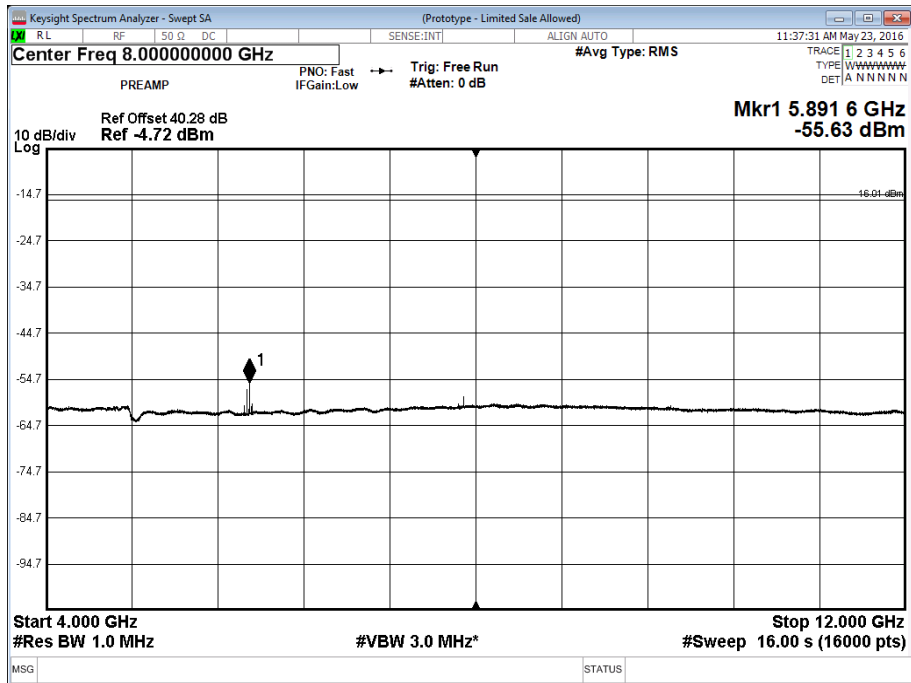
Configuration M

Maximum Output Power 37 dBm

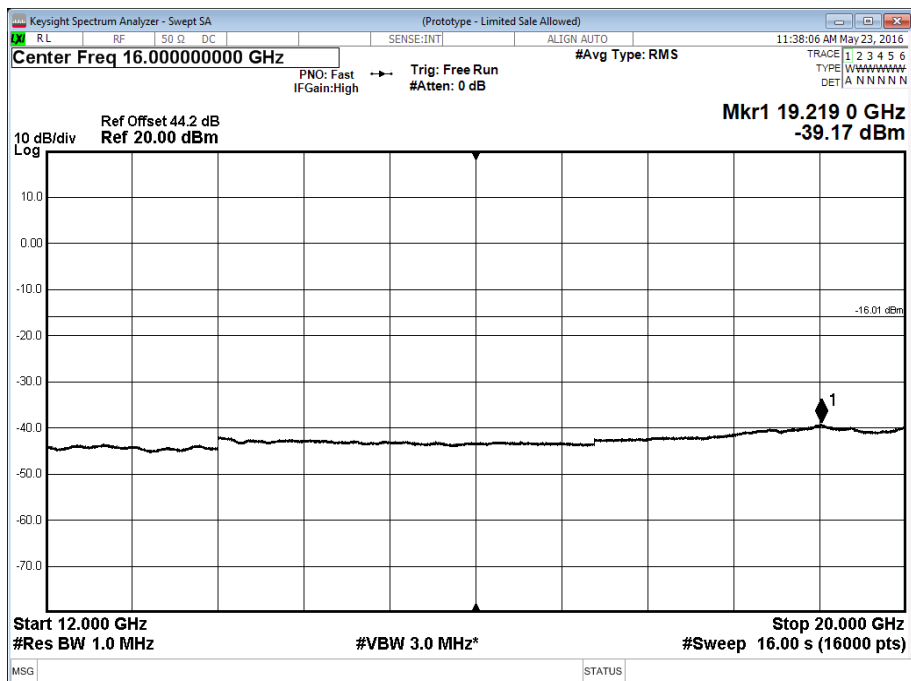
Channel Position M - Bandwidth 1.4 MHz - Antenna A



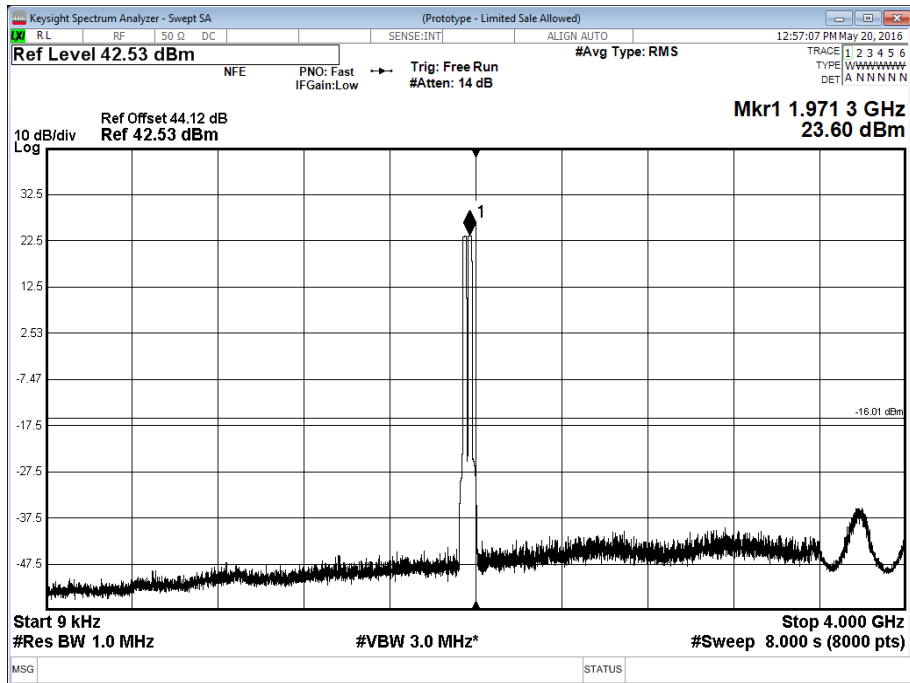
Channel Position M - Bandwidth 1.4 MHz - Antenna A



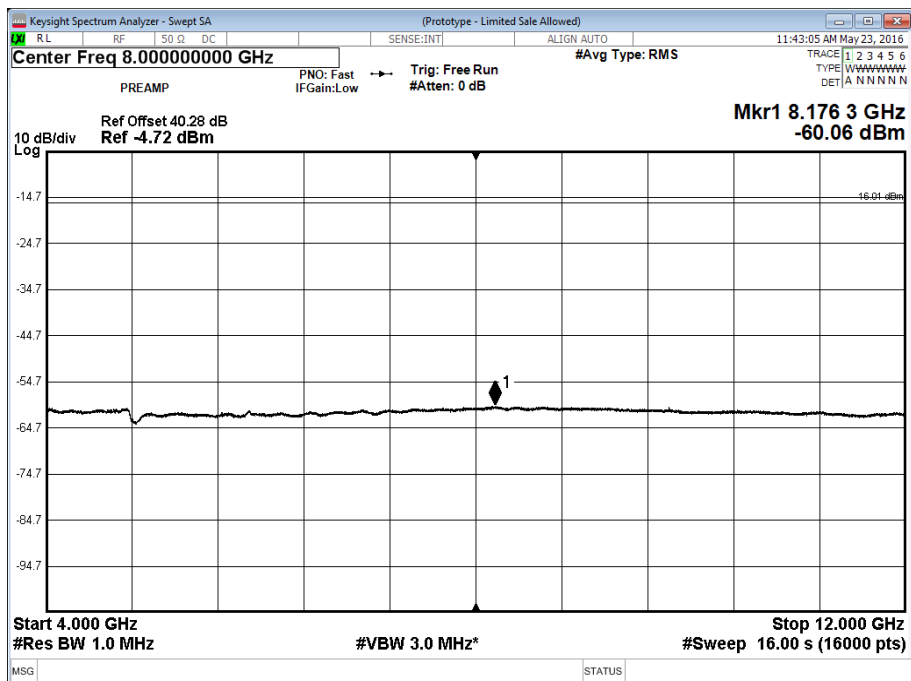
Channel Position M - Bandwidth 1.4 MHz - Antenna A



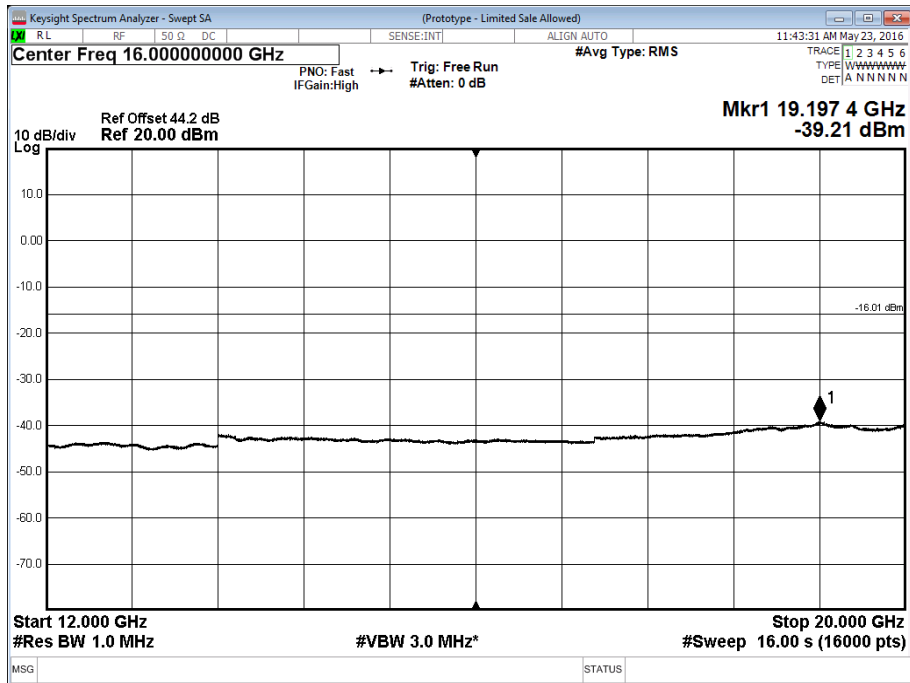
Channel Position M - Bandwidth 20.0 MHz - Antenna A



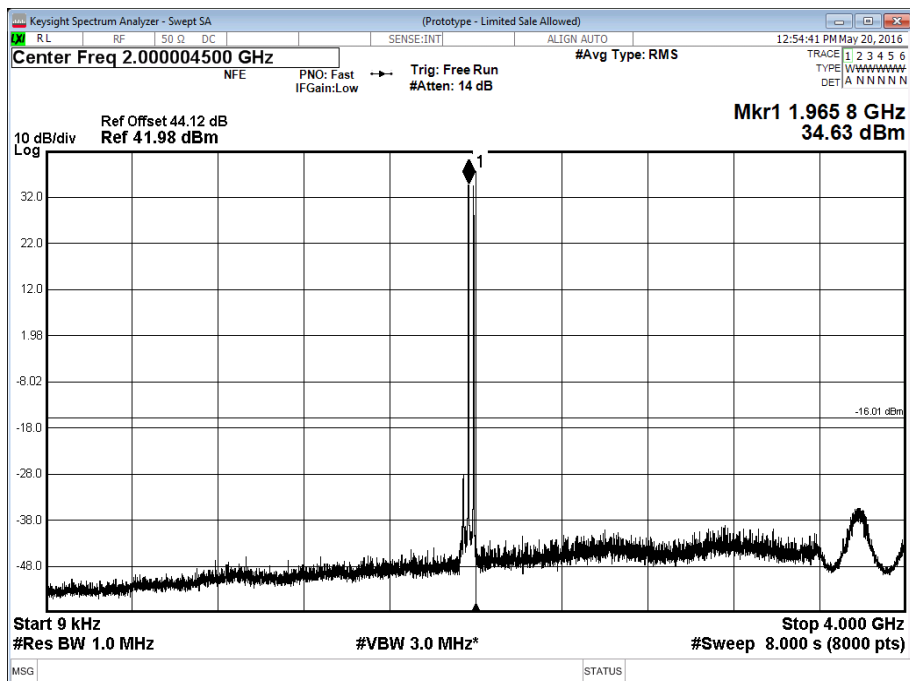
Channel Position M - Bandwidth 20.0 MHz - Antenna A



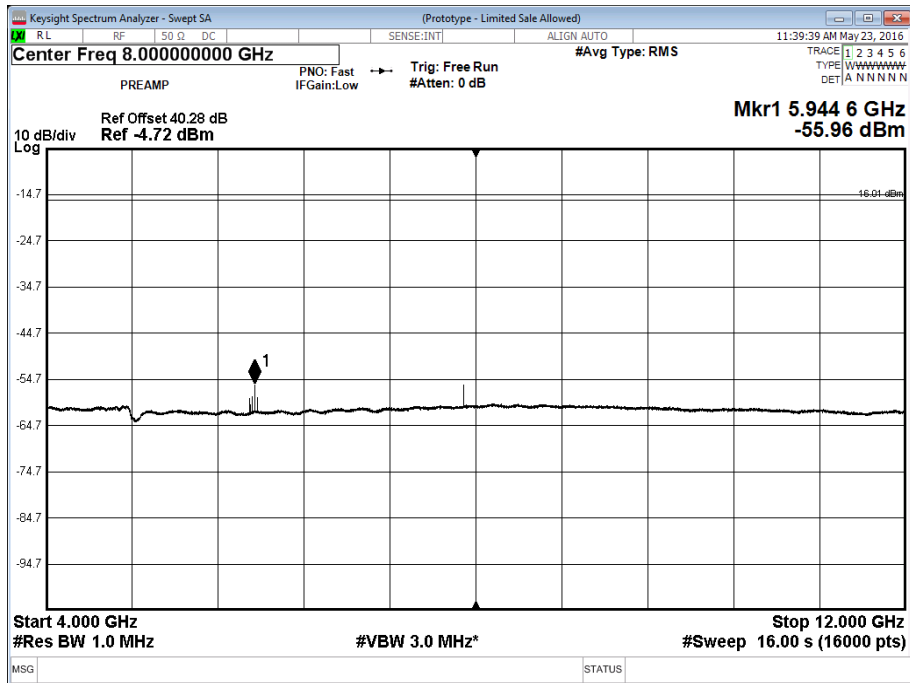
Channel Position M - Bandwidth 20.0 MHz - Antenna A



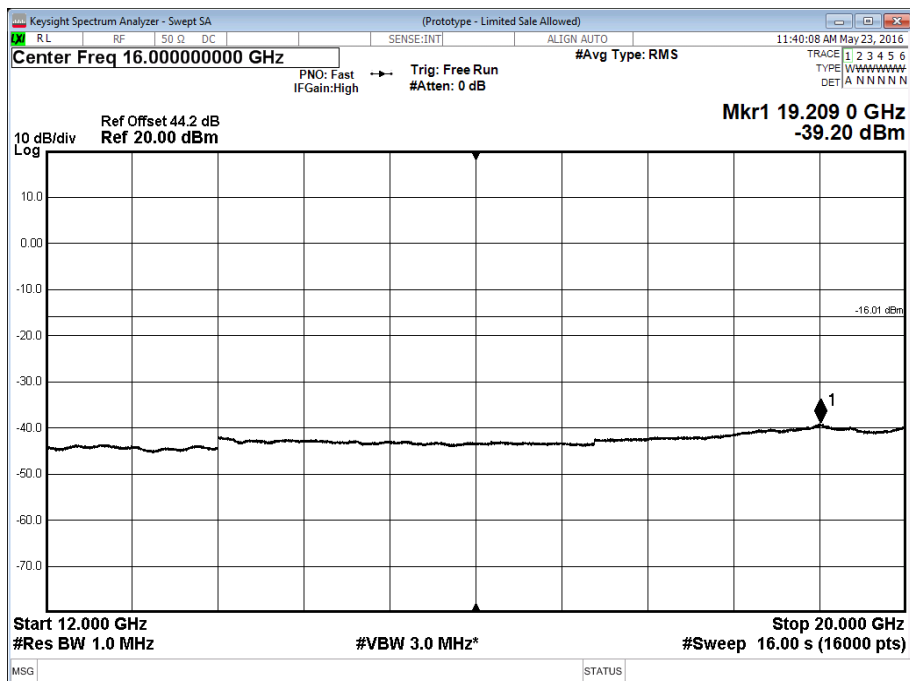
Channel Position T - Bandwidth 1.4 MHz - Antenna A



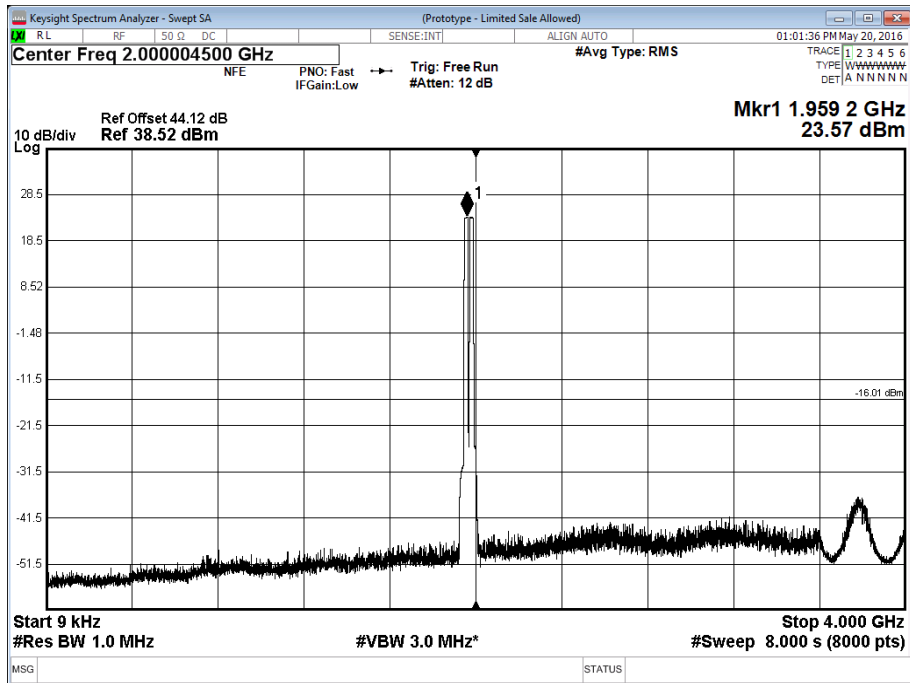
Channel Position T - Bandwidth 1.4 MHz - Antenna A



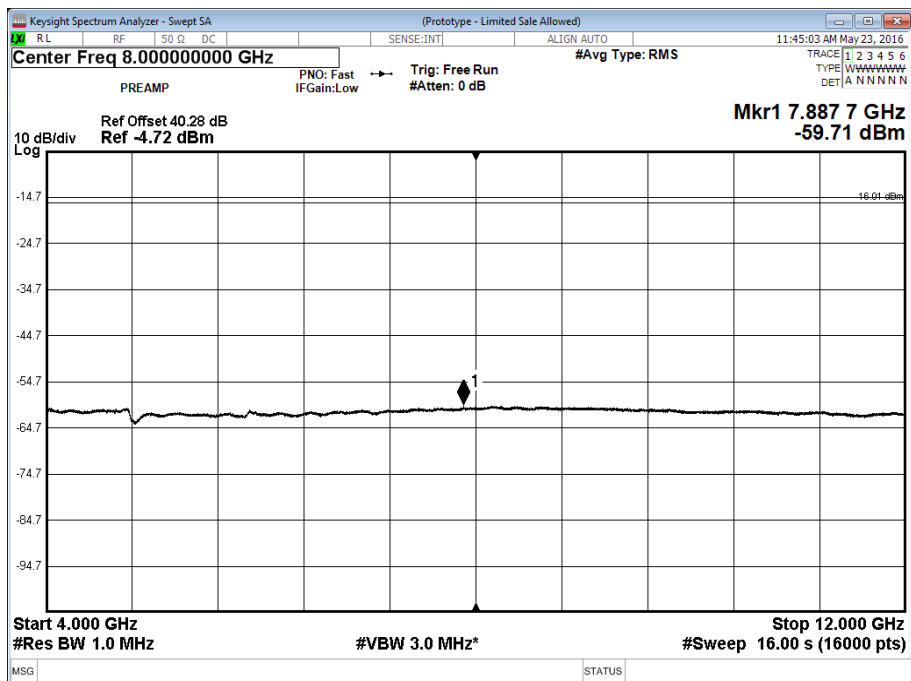
Channel Position T - Bandwidth 1.4 MHz - Antenna A



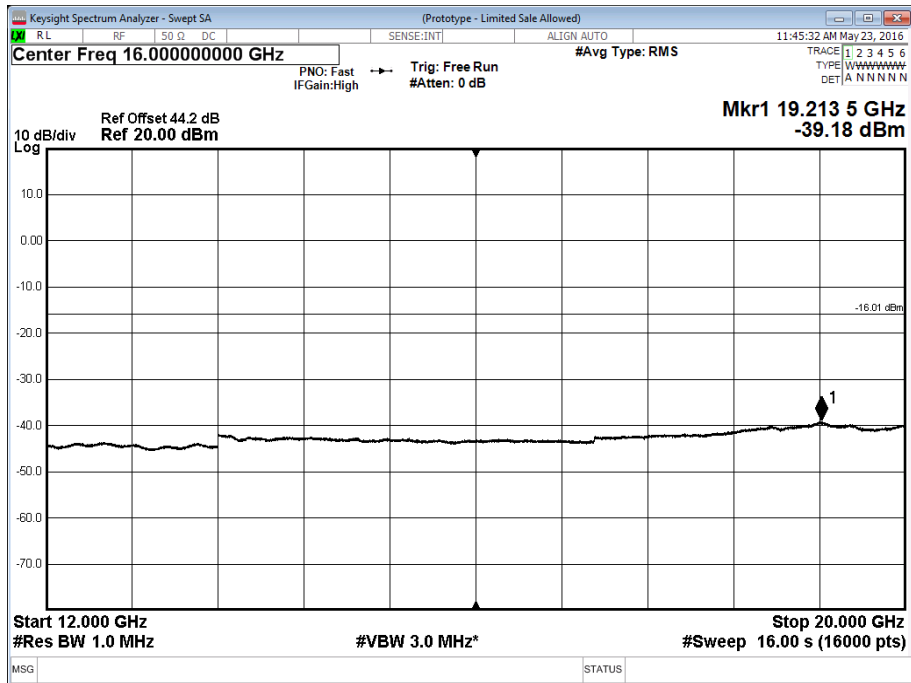
Channel Position T - Bandwidth 20.0 MHz - Antenna A



Channel Position T - Bandwidth 20.0 MHz - Antenna A



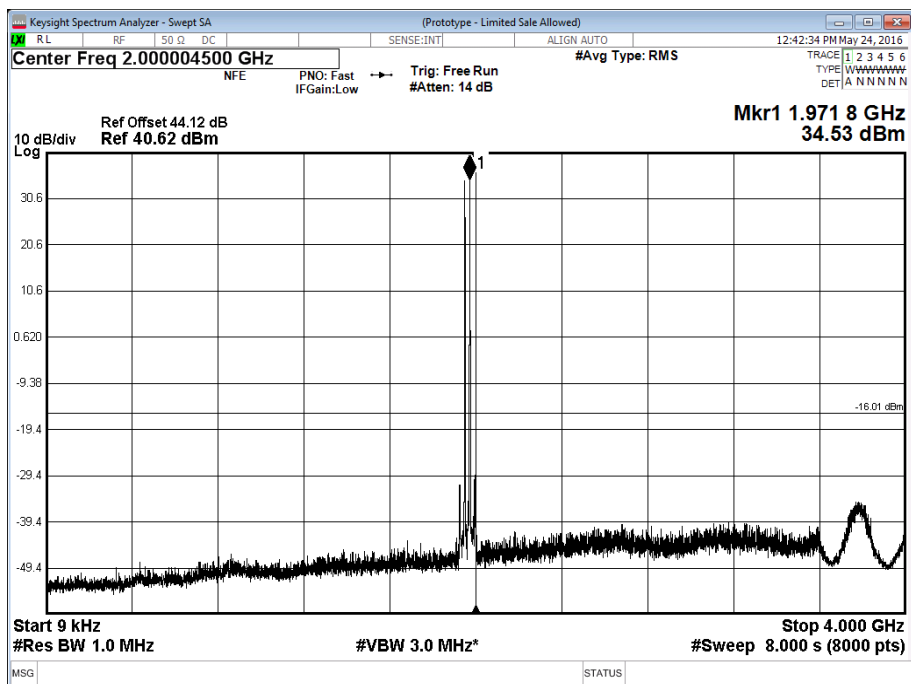
Channel Position T - Bandwidth 20.0 MHz - Antenna A



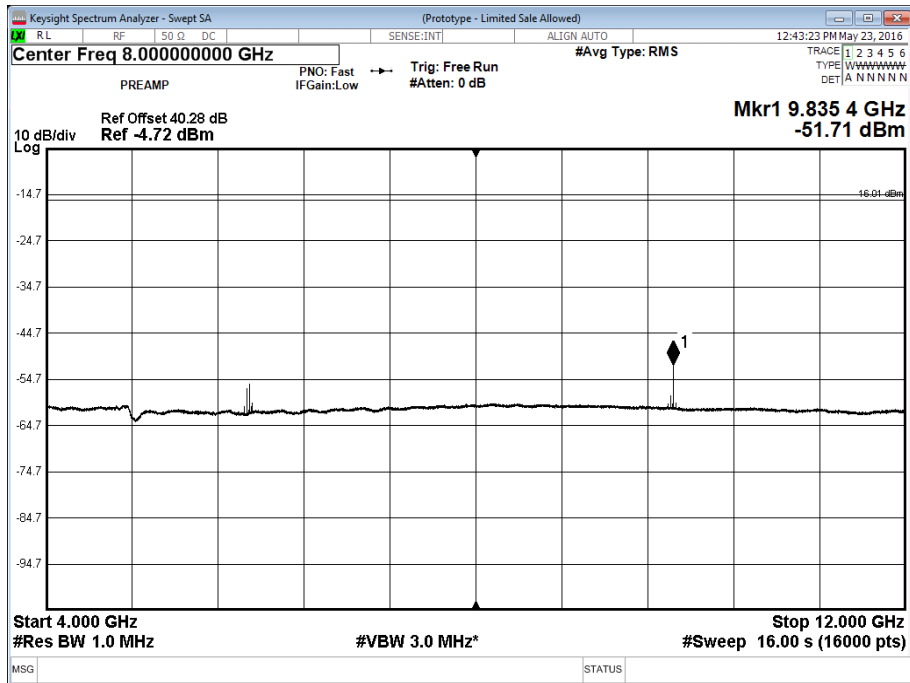
Configuration M

Maximum Output Power 37 dBm

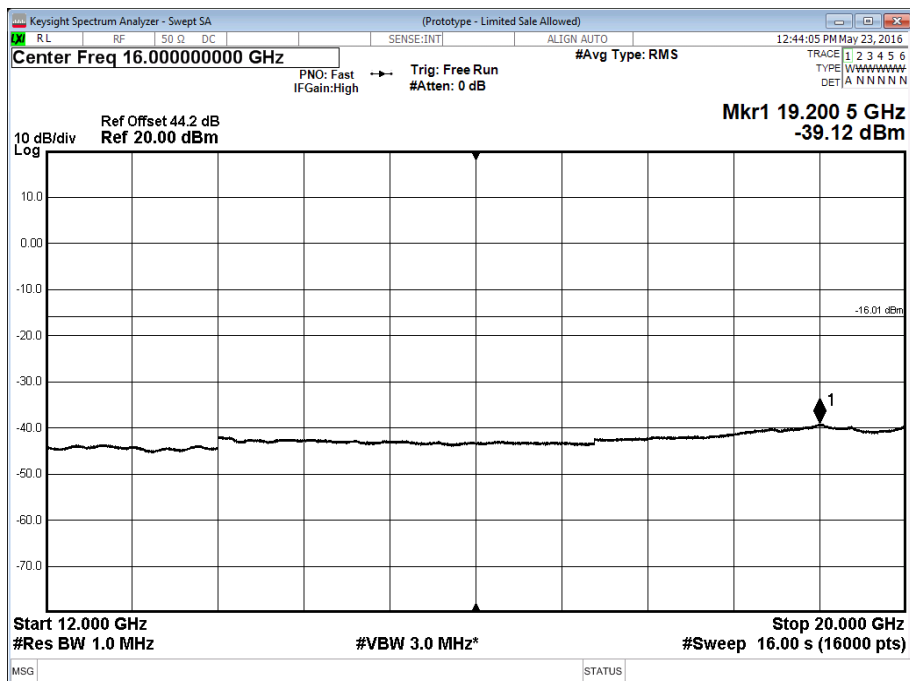
Channel Position M - Bandwidth 1.4 MHz - Antenna B



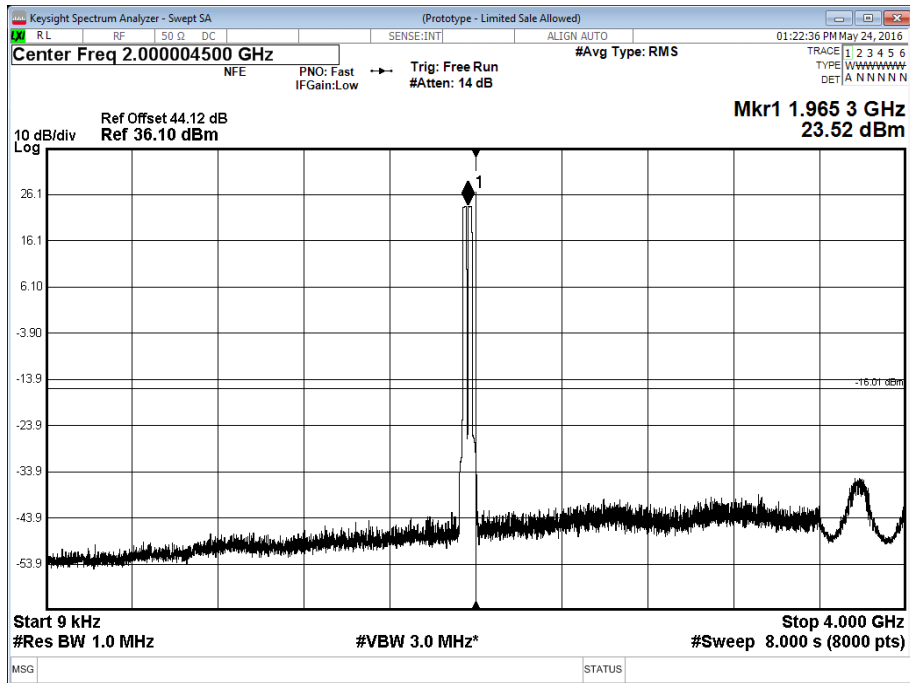
Channel Position M - Bandwidth 1.4 MHz - Antenna B



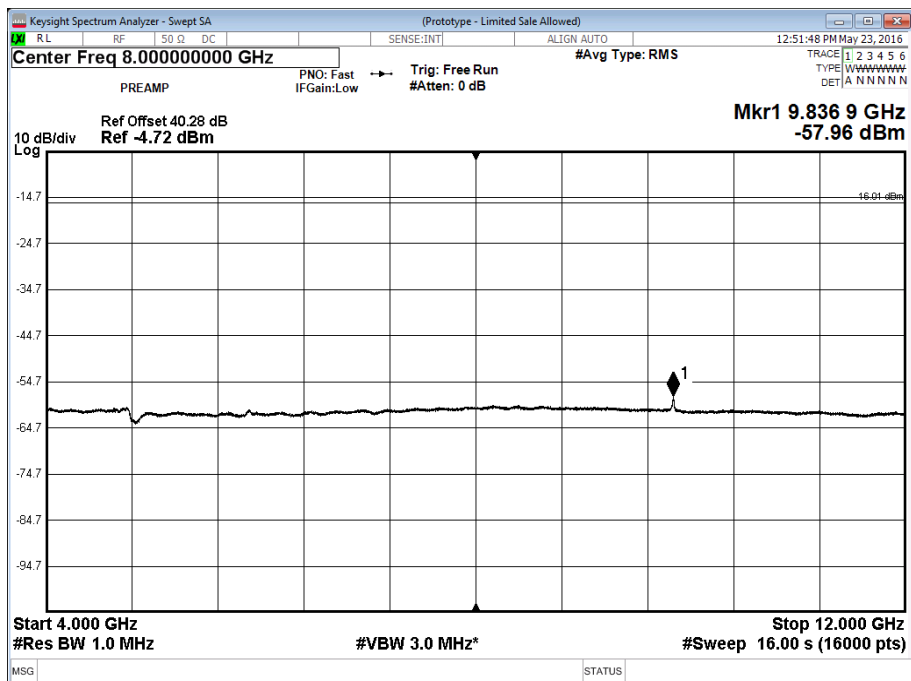
Channel Position M - Bandwidth 1.4 MHz - Antenna B



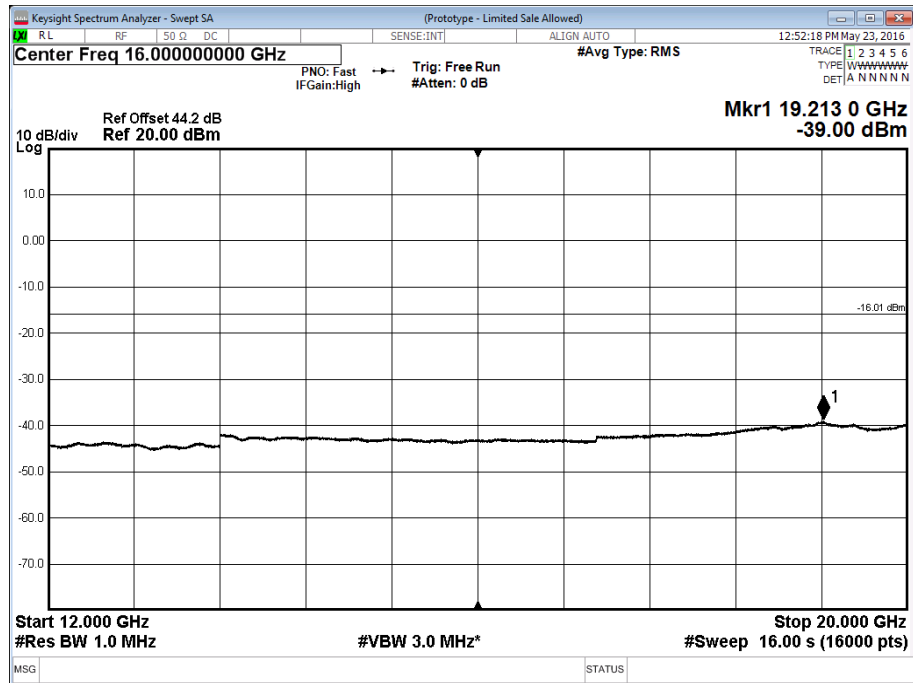
Channel Position M - Bandwidth 20.0 MHz - Antenna B



Channel Position M - Bandwidth 20.0 MHz - Antenna B



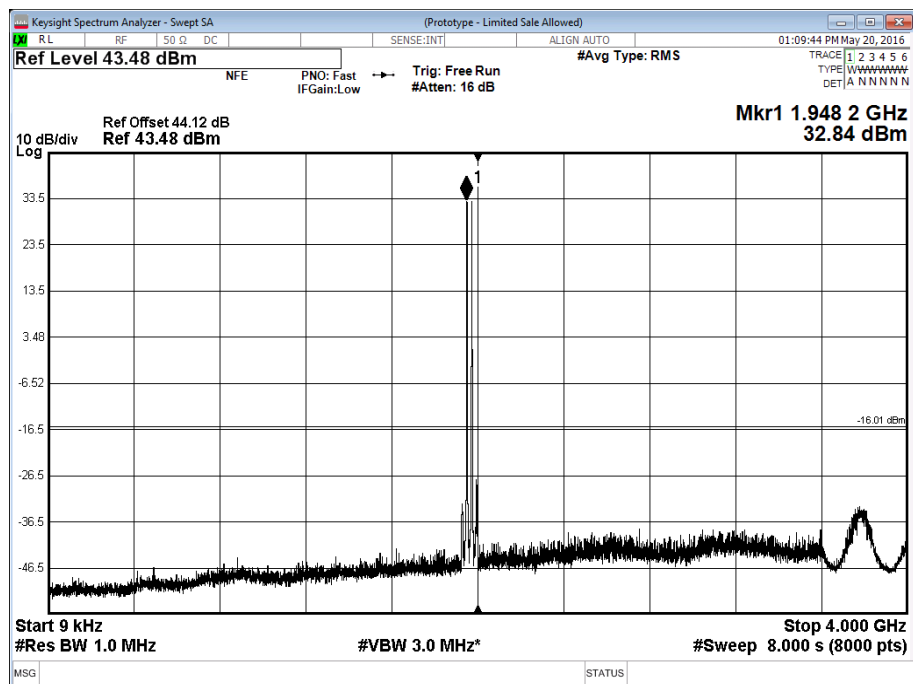
Channel Position M - Bandwidth 20.0 MHz - Antenna B



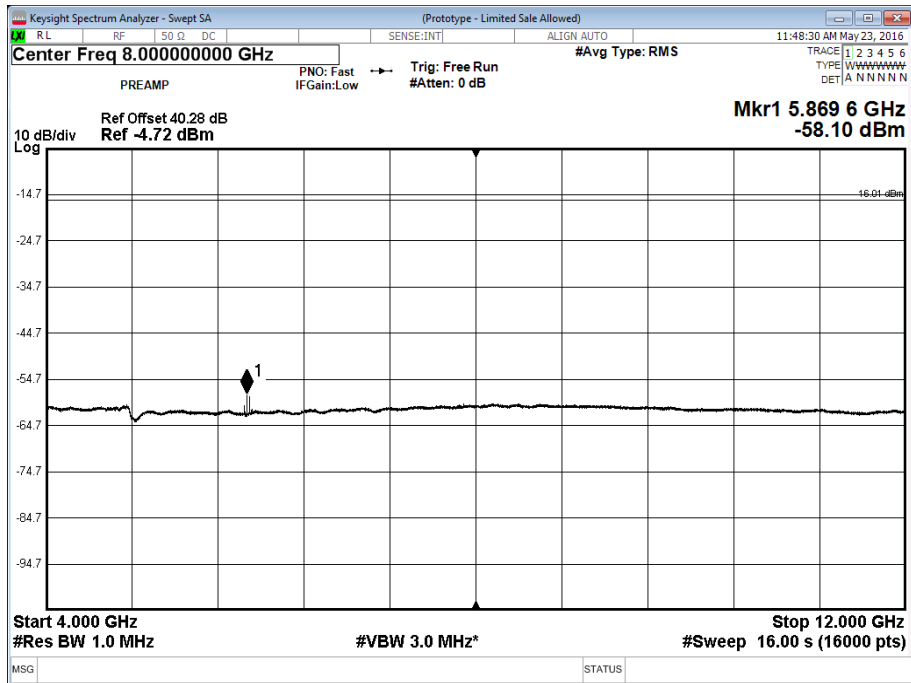
Configuration N

Maximum Output Power 37 dBm

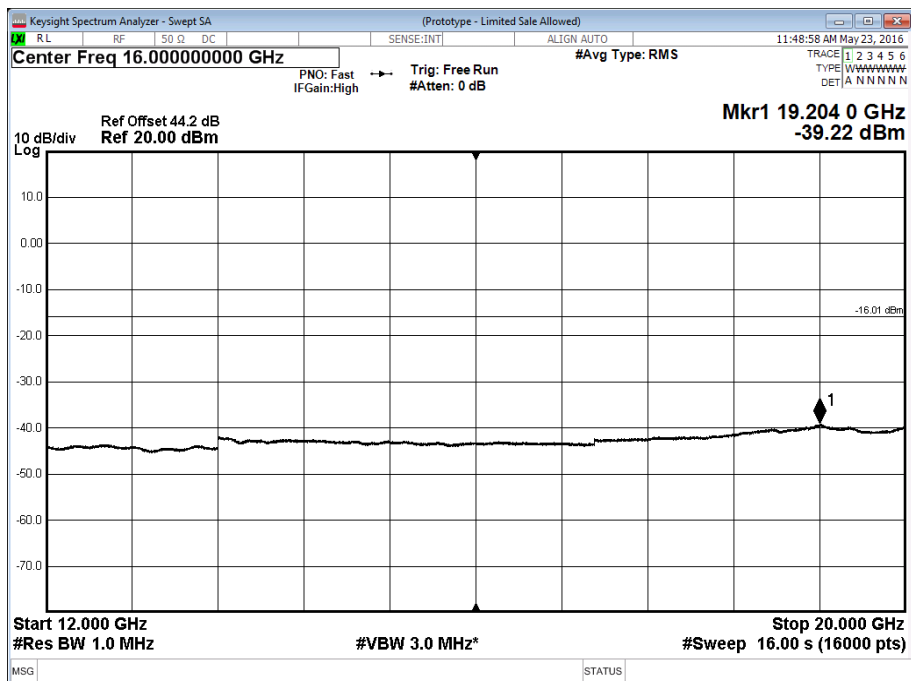
Channel Position M - Bandwidth 1.4 MHz - Antenna A



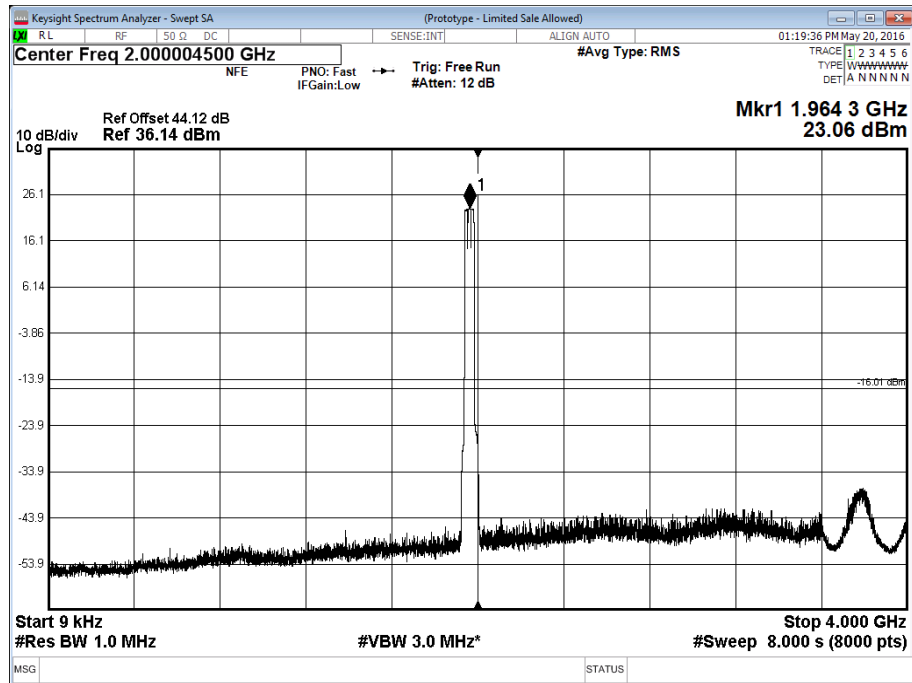
Channel Position M - Bandwidth 1.4 MHz - Antenna A



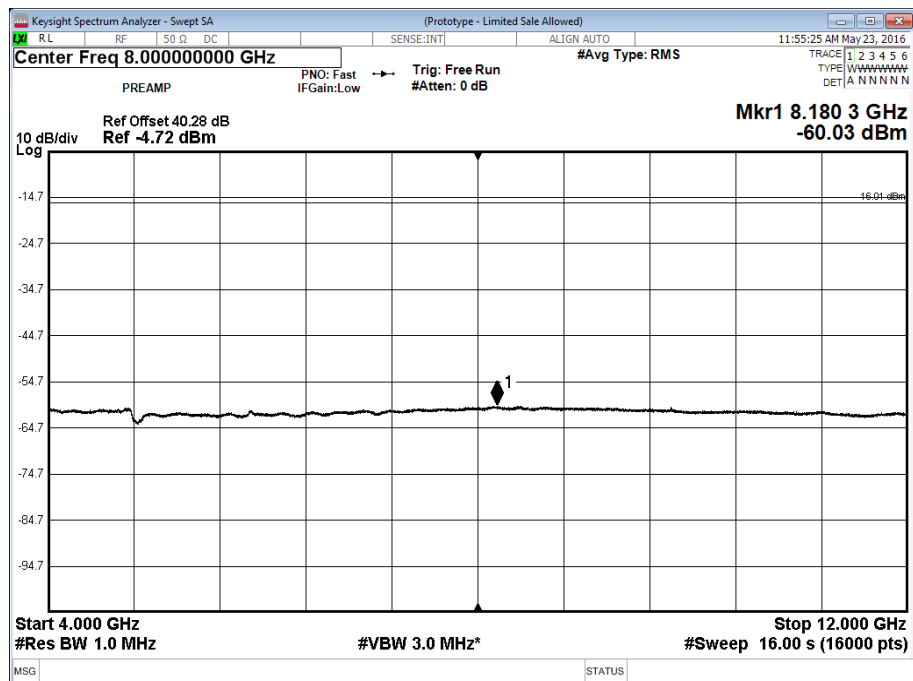
Channel Position M - Bandwidth 1.4 MHz - Antenna A



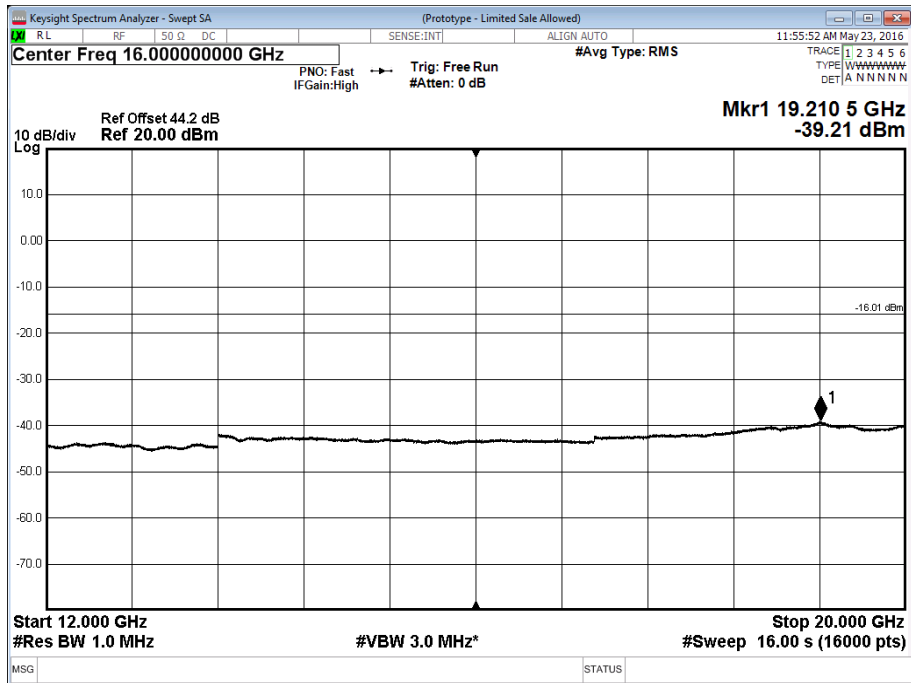
Channel Position M - Bandwidth 15.0 MHz - Antenna A



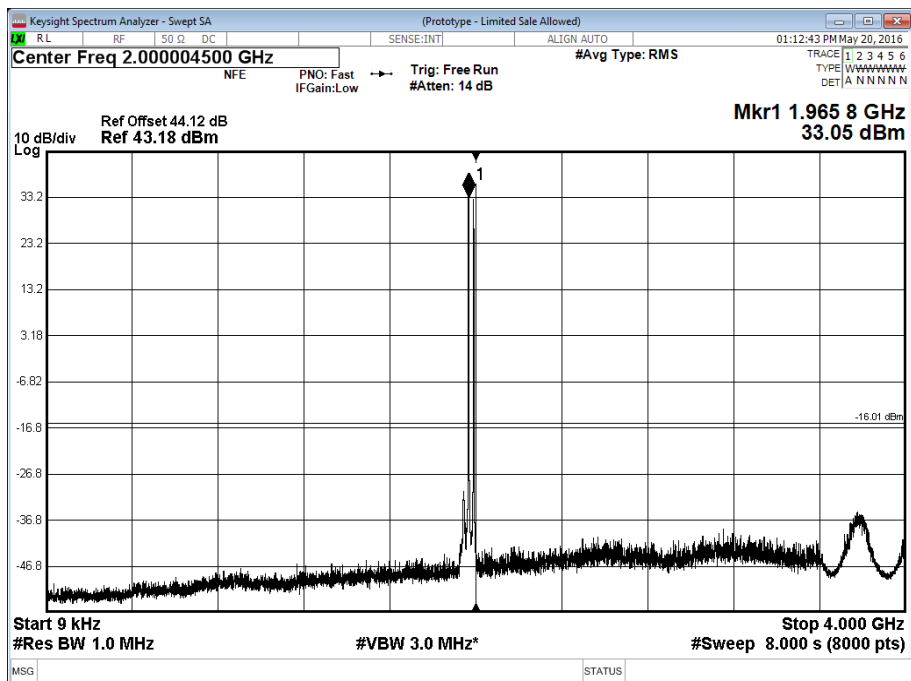
Channel Position M - Bandwidth 15.0 MHz - Antenna A



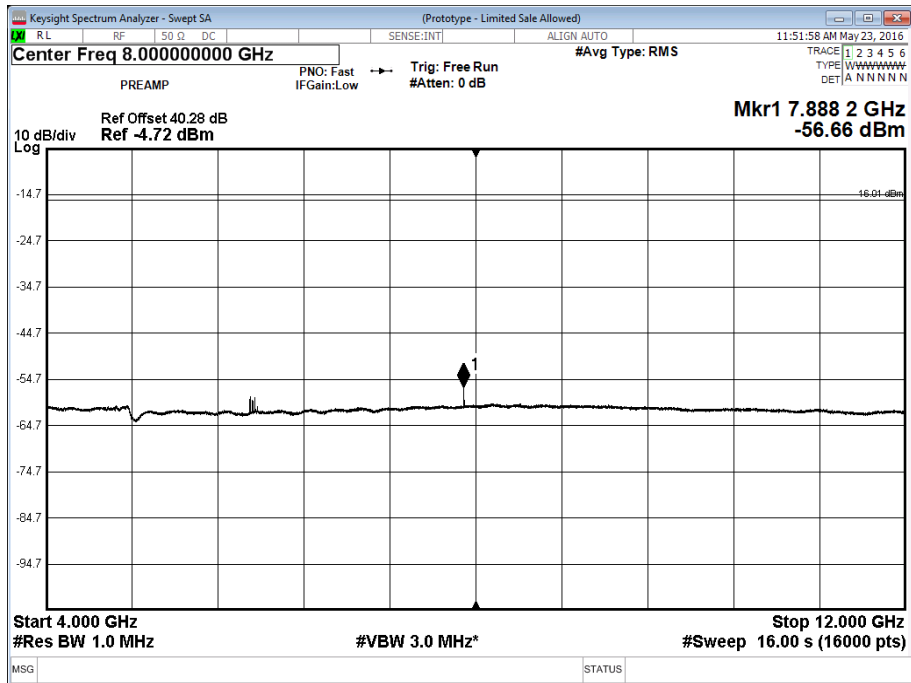
Channel Position M - Bandwidth 15.0 MHz - Antenna A



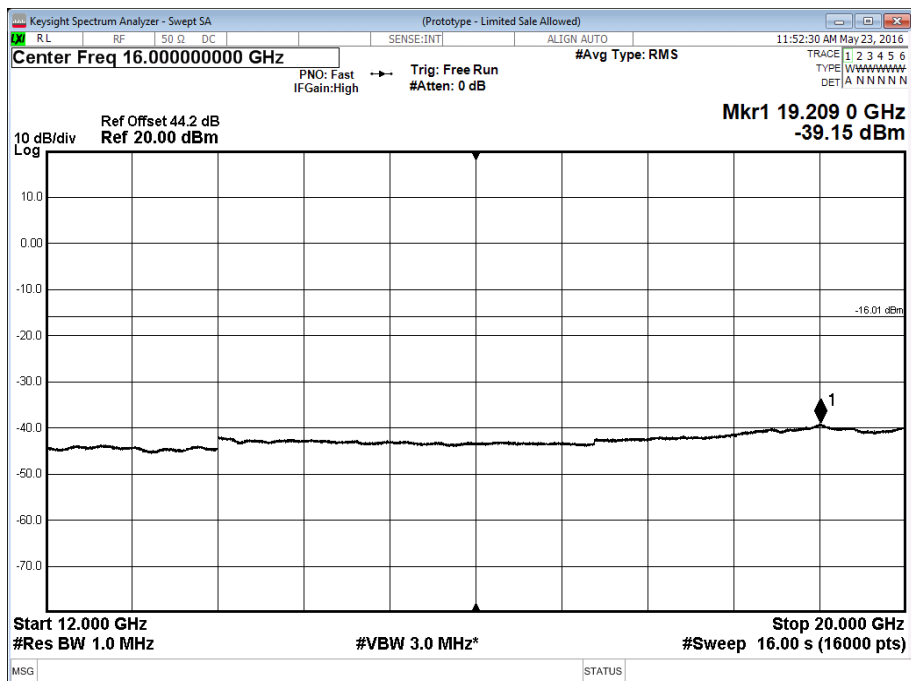
Channel Position T - Bandwidth 1.4 MHz - Antenna A



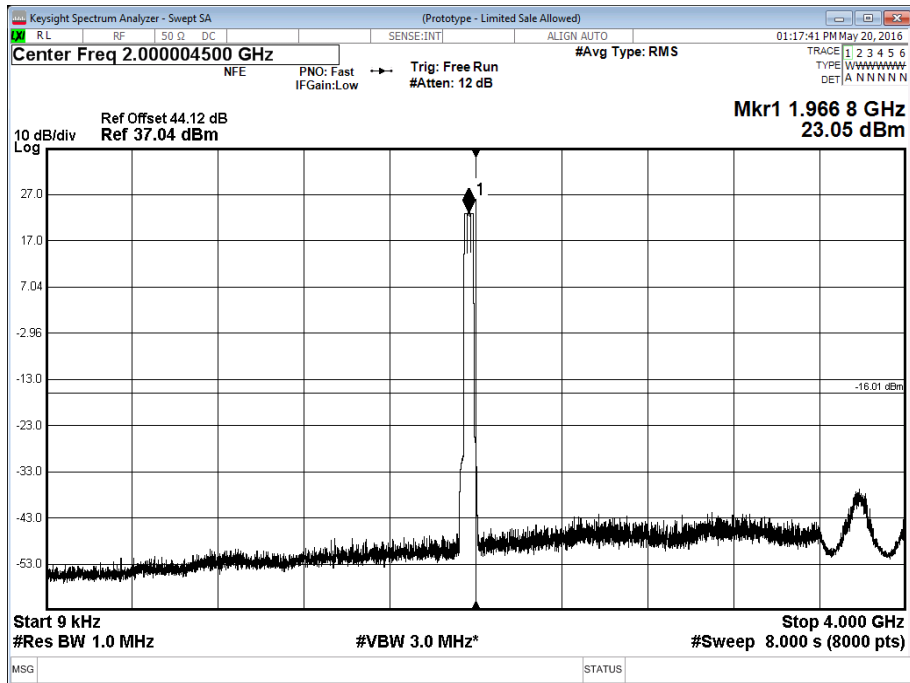
Channel Position T - Bandwidth 1.4 MHz - Antenna A



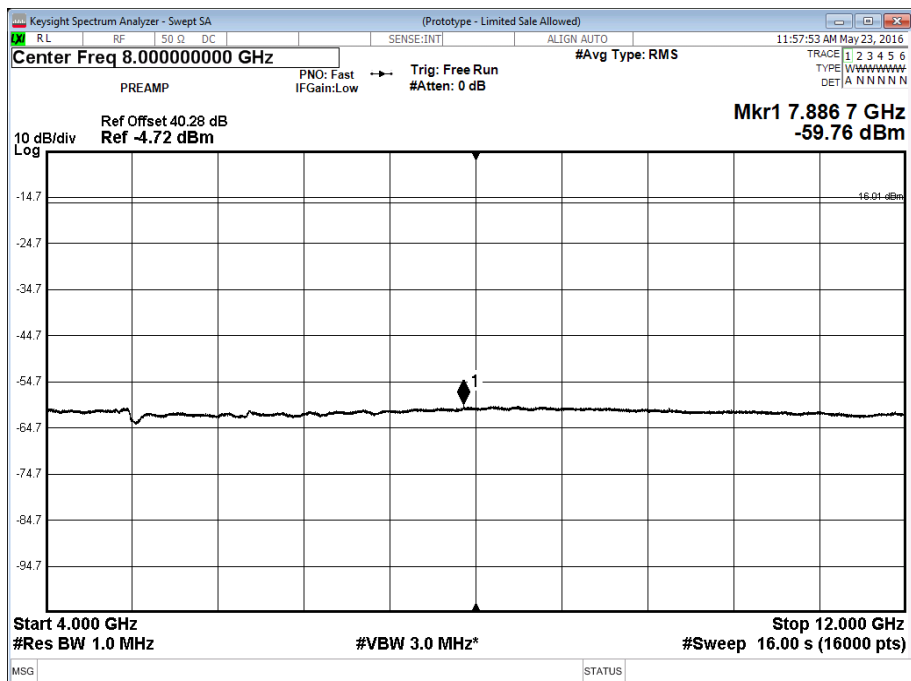
Channel Position T - Bandwidth 1.4 MHz - Antenna A



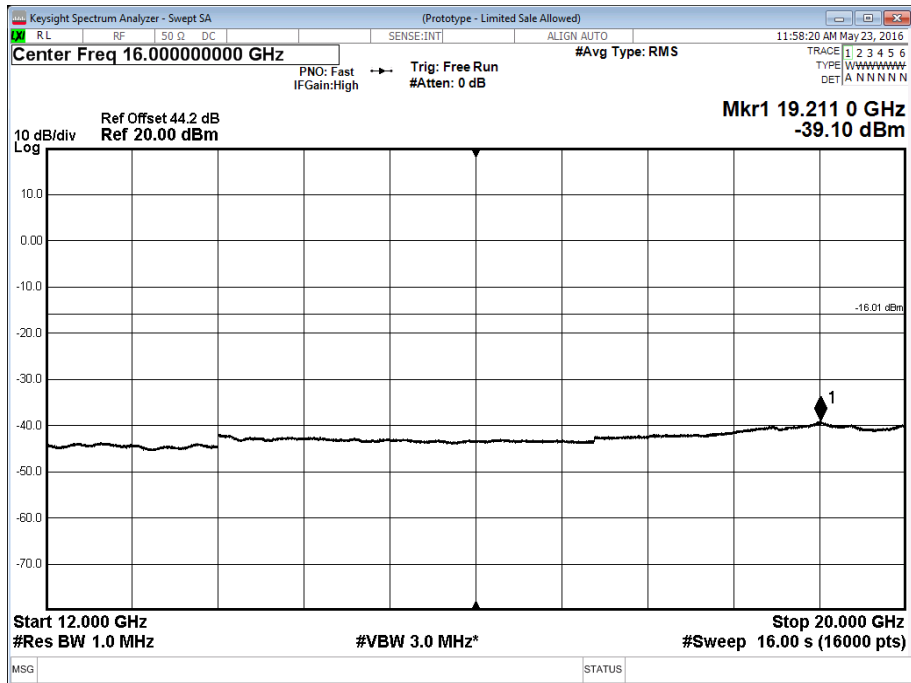
Channel Position T - Bandwidth 15.0 MHz - Antenna A



Channel Position T - Bandwidth 15.0 MHz - Antenna A



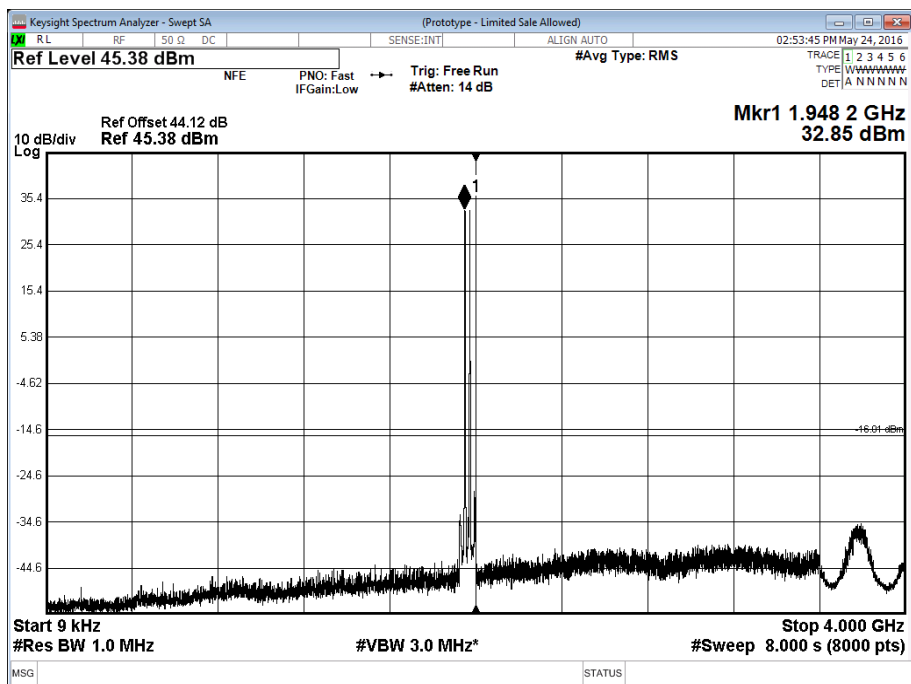
Channel Position T - Bandwidth 15.0 MHz - Antenna A



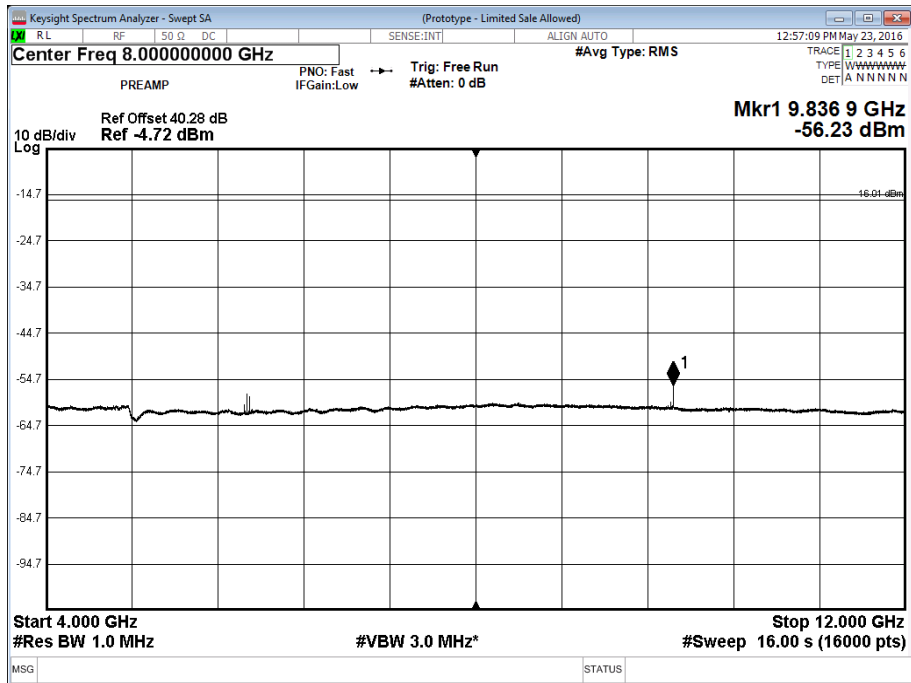
Configuration N

Maximum Output Power 37 dBm

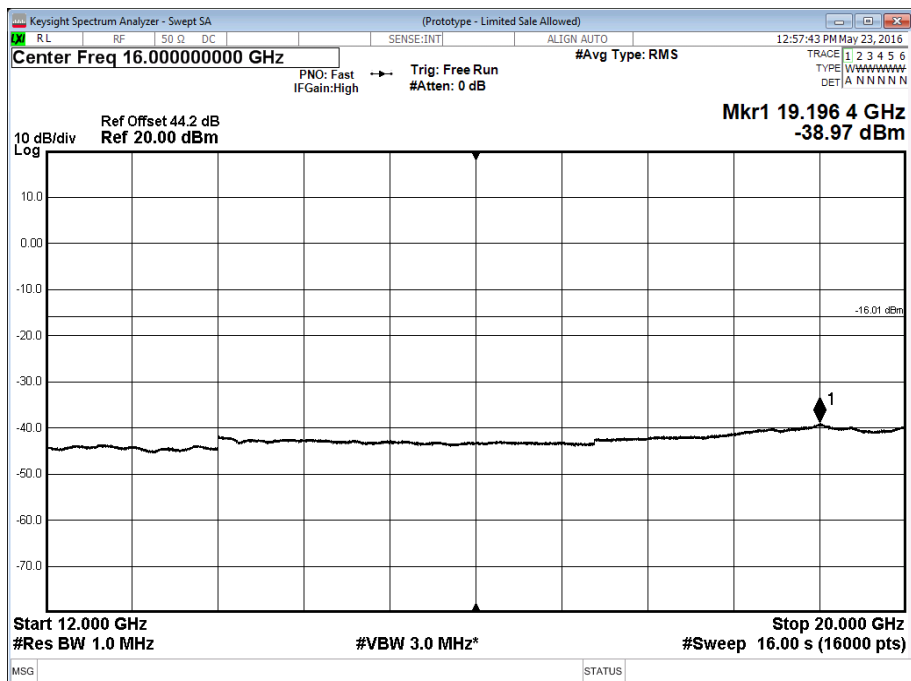
Channel Position M - Bandwidth 1.4 MHz - Antenna B



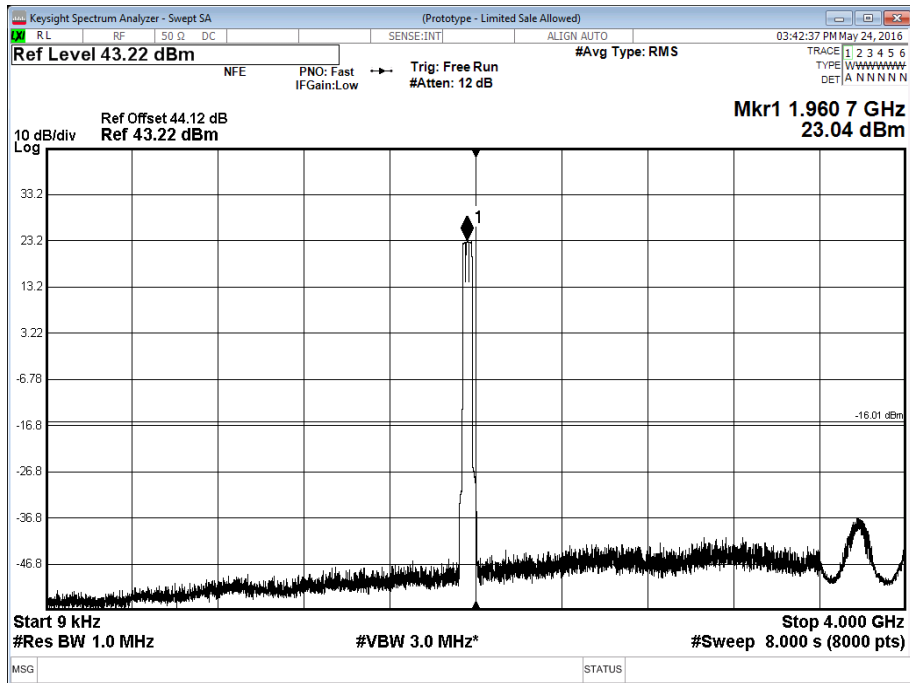
Channel Position M - Bandwidth 1.4 MHz - Antenna B



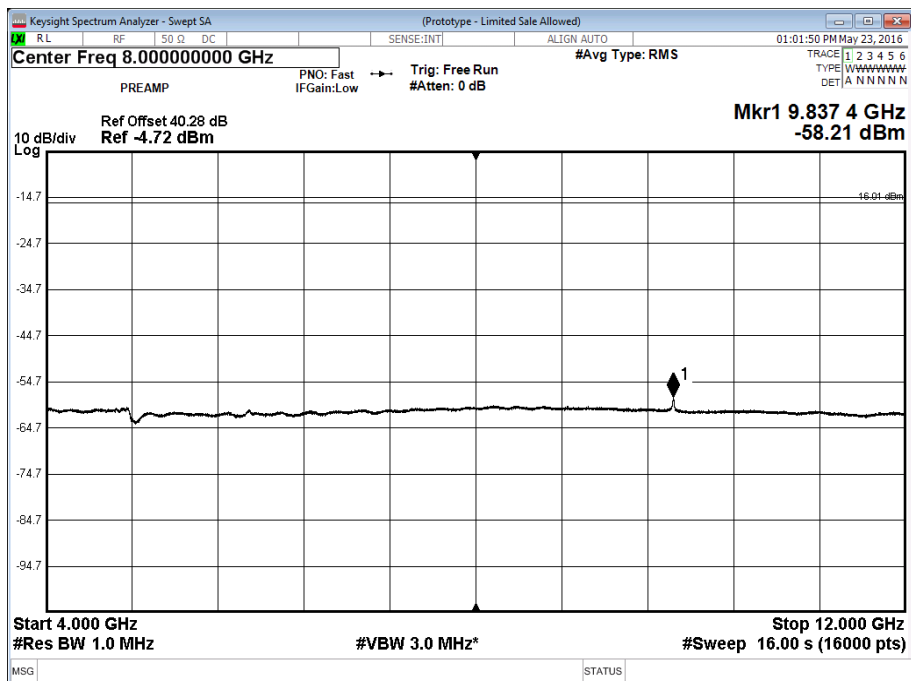
Channel Position M - Bandwidth 1.4 MHz - Antenna B



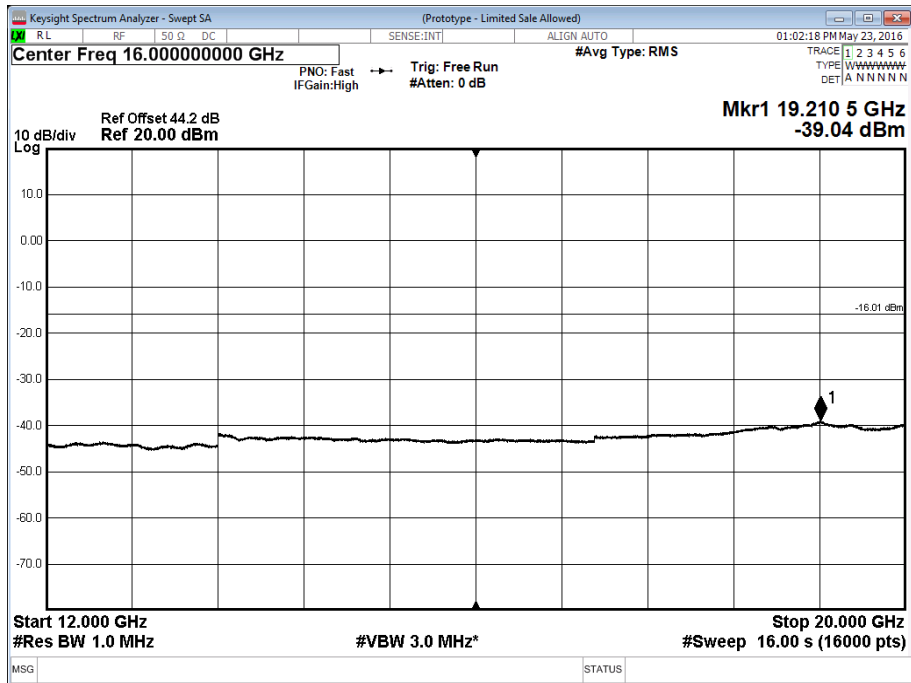
Channel Position M - Bandwidth 15.0 MHz - Antenna B



Channel Position M - Bandwidth 15.0 MHz - Antenna B



Channel Position M - Bandwidth 15.0 MHz - Antenna B



Limit	-13dBm
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Product Service

SECTION 3

TEST EQUIPMENT USED

3.1 TEST EQUIPMENT USED

List of absolute measuring and other principal items of test equipment.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
Maximum Peak Output Power and Peak to Average Ratio - Conducted					
Hygromer	RS	1260	120502151	12	21-Aug-2016
Digital Volt Meter	Fluke	79 III	69621983	12	02-Sep-2016
Spectrum Analyser	Keysight	PXA	MY54410231	12	24-Feb-2017
Network Analyser	Agilent	N5230A	MY45000161	12	18-May-2016
Attenuator	Aeroflex	6834-20-11	QC181	-	OP MON
Attenuator	Weinschel	56-10	T3515	-	OP MON
Attenuator	Weinschel	56-10	T3533	-	OP MON
High Pass Filter	Wainwright	WHNX3.8/26.5G-6SS	1	-	OP MON
Attenuator	Weinschel	49-20-43	KN698	-	OP MON
RF Load	Weinschel	WA1425/12-4	N/S	-	OP MON
Occupied Bandwidth					
Hygromer	RS	1260	120502151	12	21-Aug-2016
Digital Volt Meter	Fluke	79 III	69621983	12	02-Sep-2016
Spectrum Analyser	Keysight	PXA	MY54410231	12	24-Feb-2017
Network Analyser	Agilent	N5230A	MY45000161	12	18-May-2016
Attenuator	Aeroflex	6834-20-11	QC181	-	OP MON
Attenuator	Weinschel	56-10	T3515	-	OP MON
Attenuator	Weinschel	56-10	T3533	-	OP MON
High Pass Filter	Wainwright	WHNX3.8/26.5G-6SS	1	-	OP MON
Attenuator	Weinschel	49-20-43	KN698	-	OP MON
RF Load	Weinschel	WA1425/12-4	N/S	-	OP MON
Band Edge					
Power Supply					
Hygromer	RS	1260	120502151	12	21-Aug-2016
Digital Volt Meter	Fluke	79 III	69621983	12	02-Sep-2016
Spectrum Analyser	Keysight	PXA	MY54410231	12	05-Feb-2016
Network Analyser	Agilent	PNA-L	MY46400189	12	15-Dec-2016
Attenuator	Aeroflex	6834-20-11	QL181	-	OP MON
Attenuator	Weinschel	56-10	T3520	-	OP MON
Attenuator	Weinschel	56-10	T3515	-	OP MON
Attenuator	Weinschel	56-10	T3533	-	OP MON
High Pass Filter	Wainwright	WHNX3.8/26.5G-6SS	1	-	OP MON
Attenuator	Weinschel	49-20-43	KN698	-	OP MON
RF Load	Weinschel	WA1425/12-4	N/S	-	OP MON
RF Load	Weinschel	1440-3	KW861	-	OP MON
RF Load	Weinschel	1440-3	KW856	-	OP MON
Transmitter Spurious Emissions					
Hygromer	RS	1260	120502151	12	21-Aug-2016
Digital Volt Meter	Fluke	79 III	69621983	12	02-Sep-2016

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
Spectrum Analyser	Keysight	PXA	MY54410231	12	24-Feb-2017
Network Analyser	Agilent	N5230A	MY45000161	12	18-May-2016
Attenuator	Aeroflex	6834-20-11	QC181	-	OP MON
Attenuator	Weinschel	56-10	T3515	-	OP MON
Attenuator	Weinschel	56-10	T3533	-	OP MON
High Pass Filter	Wainwright	WHNX3.8/26.5G-6SS	1	-	OP MON
Attenuator	Weinschel	49-20-43	KN698	-	OP MON
RF Load	Weinschel	WA1425/12-4	N/S	-	OP MON

N/A – Not Applicable

OP MON – Output Monitored with Calibrated Equipment

3.2 MEASUREMENT UNCERTAINTY

For a 95% confidence level, the measurement uncertainties for defined systems are:-

Test Discipline	Frequency / Parameter	MU
Conducted Maximum Peak Output Power	30 MHz to 20 GHz Amplitude	± 0.1 dB
Conducted Emissions	30 MHz to 20 GHz Amplitude	± 2.3 dB
Frequency Stability	30 MHz to 2 GHz	± 5.0 Hz
Occupied Bandwidth	Up to 20 MHz Bandwidth	± 1.1 Hz
Band Edge	30 MHz to 20 GHz Amplitude	± 2.3 dB



Product Service

SECTION 5

ACCREDITATION, DISCLAIMERS AND COPYRIGHT

4.1 ACCREDITATION, DISCLAIMERS AND COPYRIGHT



This report relates only to the actual item/items tested.

Our UKAS Accreditation does not cover opinions and interpretations and any expressed are outside the scope of our UKAS Accreditation.

Results of tests not covered by our UKAS Accreditation Schedule are marked NUA (Not UKAS Accredited).

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Product Service

ANNEX A

MODULE LIST

Configuration A-P			
Product	Product No	R-State	Serial No
Radio 2203 B2 B25	KRC 161 489/1	R1D	C82A522332
SFP	RDH10265/3 (Finisar, FTLX1471D3BTL-E7)	R1A	AS31AZN
Software Version:	CXP90117316/2	Revision:	R62EU

Auxiliary Equipment

Equipment	Type/ Model	Manufacturer	Serial Number/ ID
Test Computer	Elitebook 8540 W	HP	BAMS1001236850
PXA Signal Analyzer	N9030A	KEYSIGHT	MY54410231
Signal and data box	LPC 107 043/1, R1A	Ericsson	A402678562

Product	Product No	R-State	Manufacturer	Serial Number
CT 10	LPC102487/1	R1C	Ericsson	T01F375406
SFP	RDH10265/3	R1A	Finisar(FTLX1471D3 BTL-E7)	AR9327Q