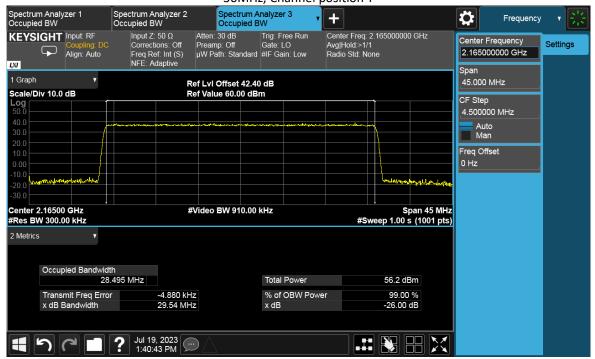
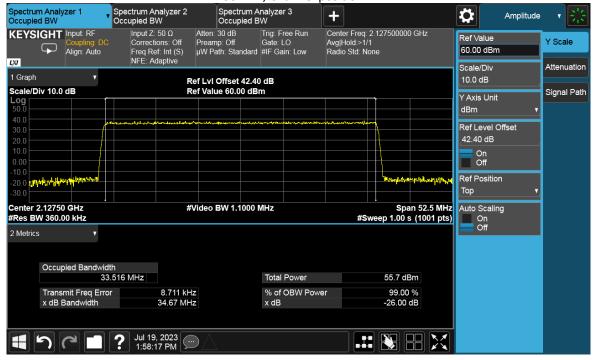


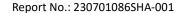


30MHz, Channel position T



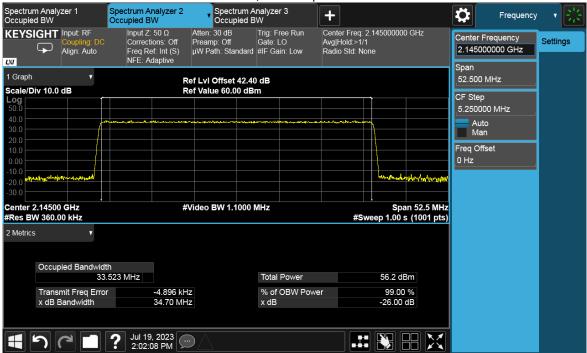
35MHz, Channel position B



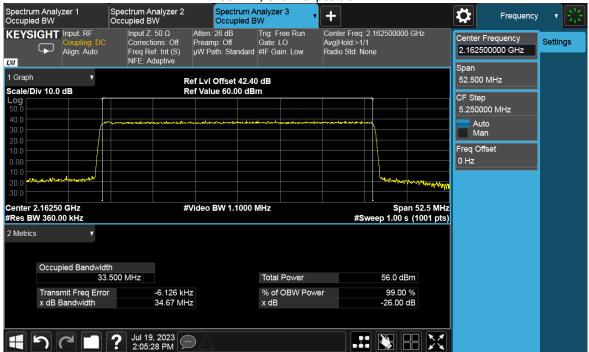




35MHz, Channel position M

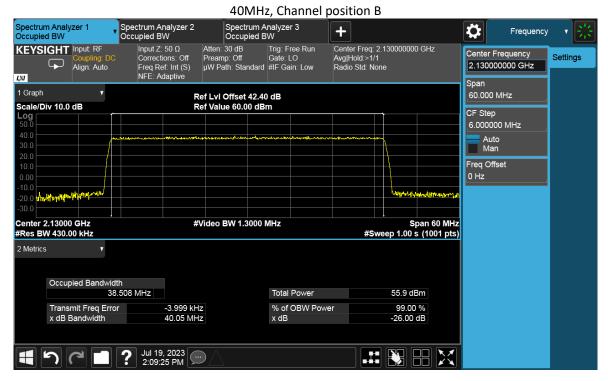


35MHz, Channel position T



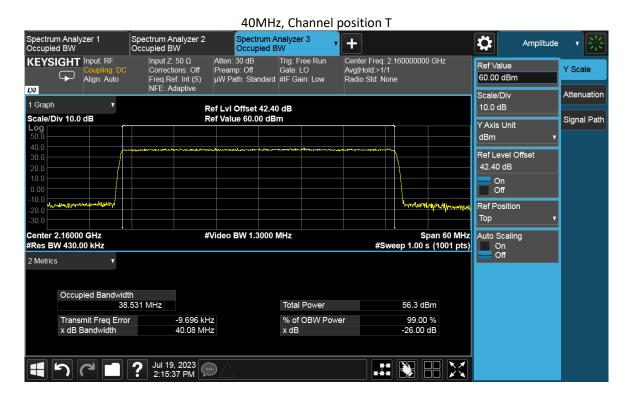






40MHz, Channel position M Spectrum Analyzer 3 Occupied BW Spectrum Analyzer 1 Occupied BW Spectrum Analyzer 2 Occupied BW Amplitude Ö Center Freq: 2.145000000 GHz Avg|Hold:>1/1 Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive Atten: 30 dB KEYSIGHT Input: RF Trig: Free Run Gate: LO Ref Value Y Scale Preamp: Off Align: Auto 60.00 dBm μW Path: Standard #IF Gain: Low Radio Std: None ĻXI Scale/Div Attenuation 1 Graph Ref Lvl Offset 42.40 dB 10.0 dB Scale/Div 10.0 dB Ref Value 60.00 dBm Signal Path Y Axis Unit dBm Ref Level Offset 42.40 dB On Off Ref Position Top Center 2.14500 GHz #Video BW 1.3000 MHz Span 60 MHz Auto Scaling #Res BW 430.00 kHz #Sweep 1.00 s (1001 pts) On Off 2 Metrics Occupied Bandwidth 38.516 MHz Total Power 56.2 dBm Transmit Freq Error 3.875 kHz % of OBW Power 99.00 % 40.04 MHz -26.00 dB x dB Bandwidth **?** Jul 19, 2023







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5 Unwanted Emissions at Band Edge

Test result: Pass

5.1 Limit

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

5.2 Measurement Procedure

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For MIMO mode configurations, the limit was adjusted with a correction of -6.02dB [10Log(1/4)] by using the Measure and Add 10Log(N) dB technique according to KDB 662911 D01 Multiple Transmitter Output accounting for simultaneous transmission from antenna ports . Then the limit was adjusted to -19.02dBm.

Spectrum analyzer detector was set as RMS.



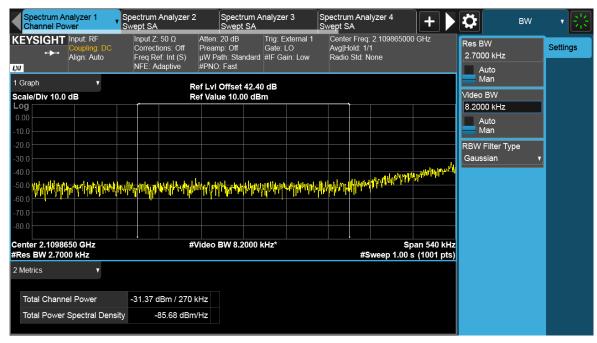


5.3 Measurement result

NR-1C-BE

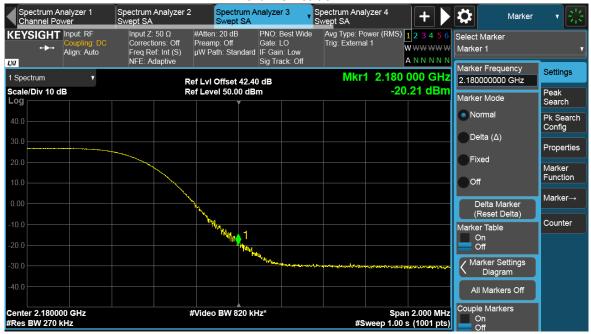
Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	В	QPSK	25	270	-19.02
D	Т	QPSK	25	270	-19.02



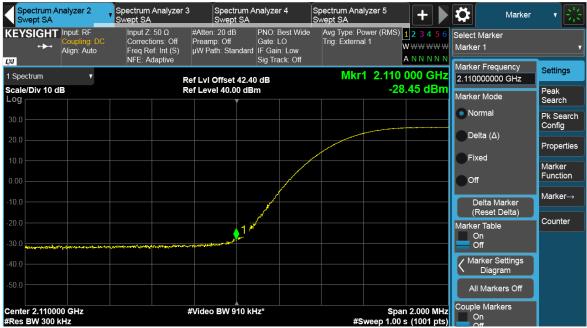






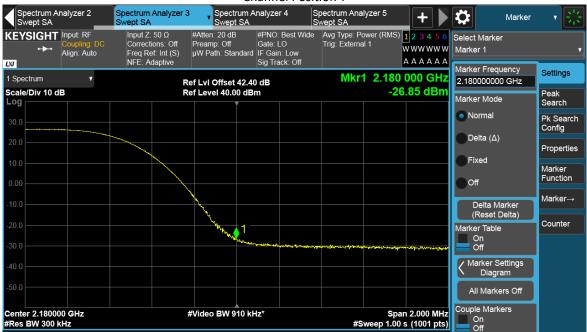


Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	В	QPSK	30	300	-19.02
D	T	QPSK	30	300	-19.02

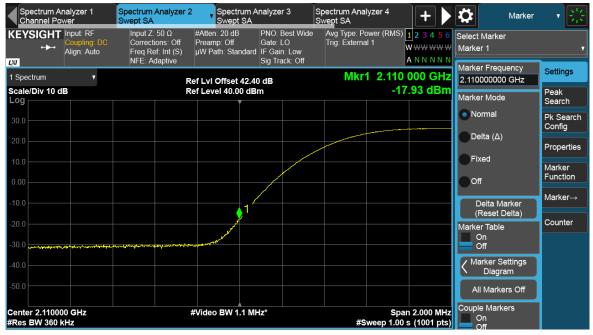








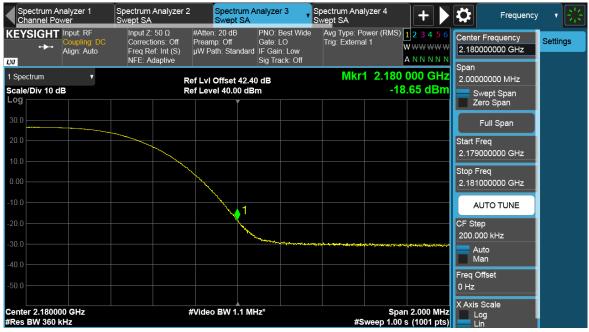
Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	В	QPSK	35	360	-19.02
D	Т	QPSK	35	360	-19.02

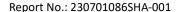




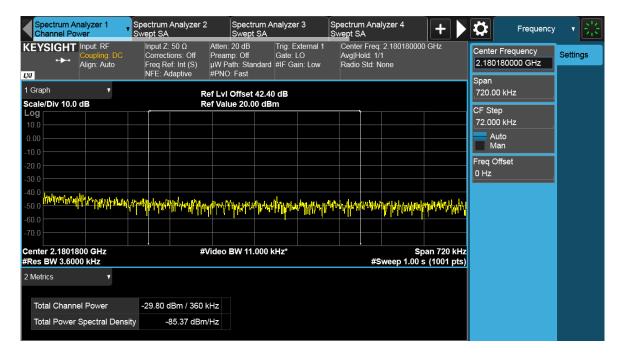




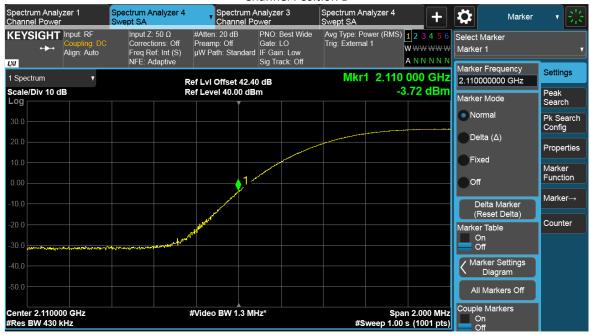






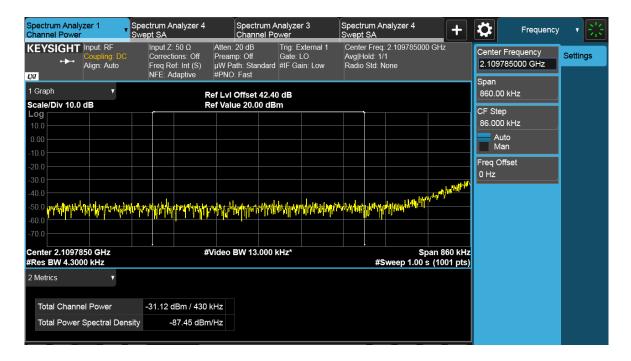


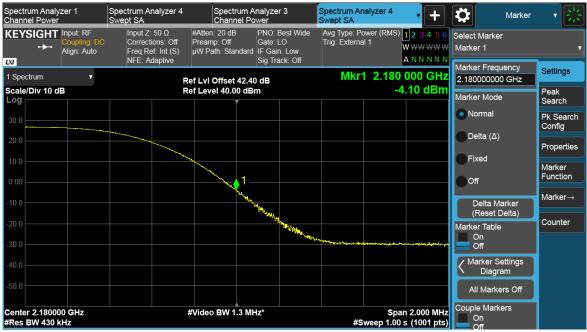
Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	В	QPSK	40	430	-19.02
D	Т	QPSK	40	430	-19.02

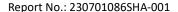




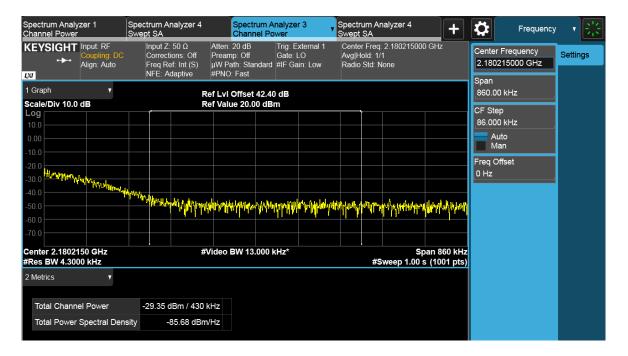












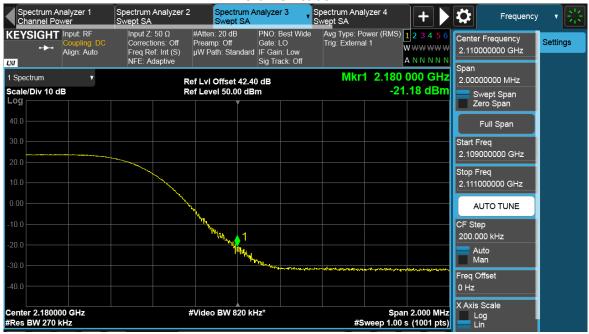
NR-2C-BE

Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	В	QPSK	25	270	-19.02
D	T	QPSK	25	270	-19.02

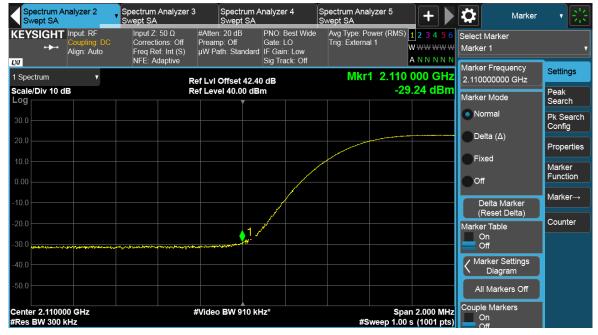


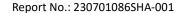




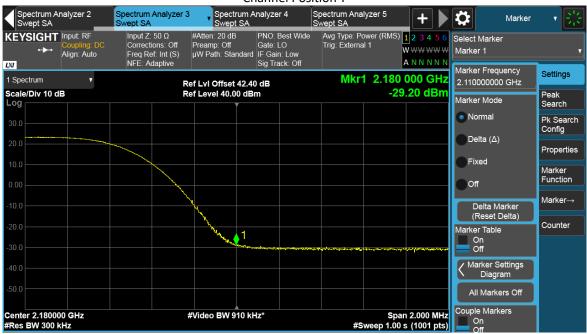


Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	В	QPSK	30	300	-19.02
D	Т	QPSK	30	300	-19.02

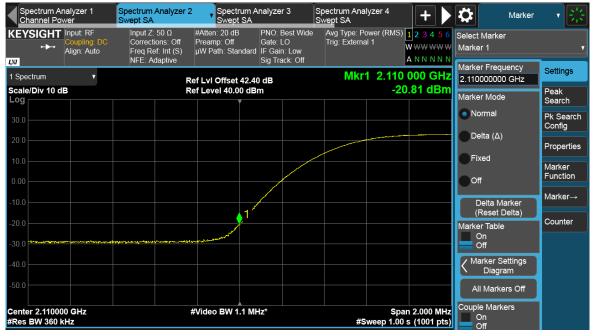




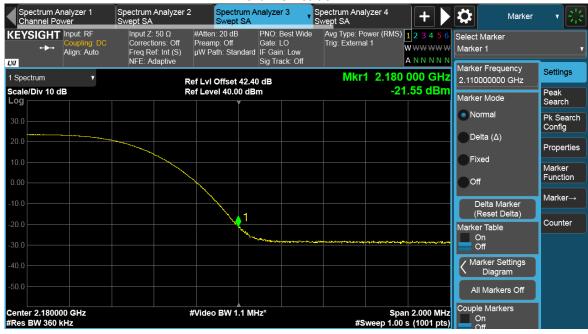




Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	В	QPSK	35	360	-19.02
D	T	QPSK	35	360	-19.02









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6 Conducted Unwanted Emission

Test result: Pass

6.1 Limit

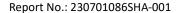
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

6.2 Measurement Procedure

In accordance with FCC rules, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

The spurious emissions from the antenna terminal were measured. The transmitter output power was attenuated using an attenuator and the frequency spectrum investigated from 9kHz to 22GHz. The resolution bandwidth of 1MHz was employed for frequency band 9kHz to 22GHz. The spectrum analyzer detector was set to RMS.

For MIMO mode configurations, the limit was adjusted with a correction of -6.02dB [10Log(1/4)] by using the Measure and Add 10Log(N) dB technique according to KDB 662911 D01 Multiple Transmitter Output accounting for simultaneous transmission from antenna ports. Then the limit was adjusted to -19.02dBm.



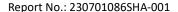


6.3 Measurement result

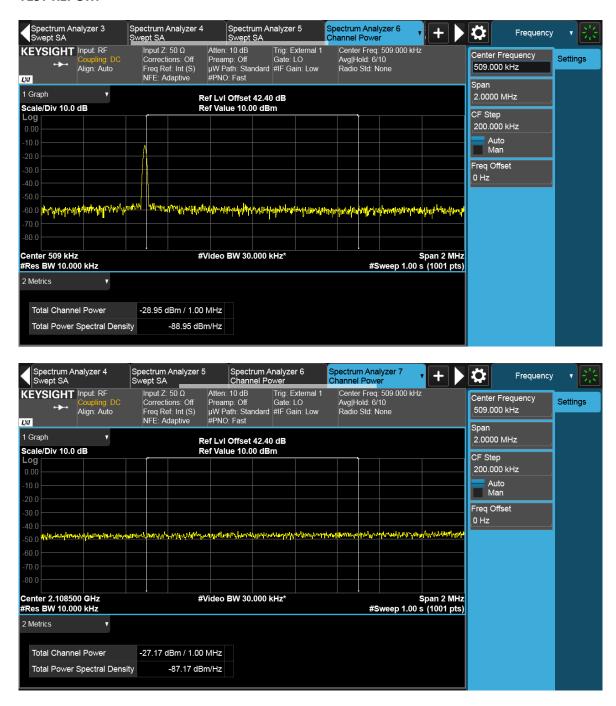
NR-1C

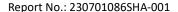
Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	В	QPSK	25	1000	-19.02
D	Т	QPSK	25	1000	-19.02

Channel Position B Spectrum Analyzer 1 Swept SA Spectrum Analyzer 2 Swept SA Spectrum Analyzer 3 Swept SA Spectrum Analyzer 4 Marker Swept SA Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive #Atten: 10 dB Avg Type: Power (RMS) 1 2 3 4 5 6 Trig: External 1 PNO: Fast KEYSIGHT Input: RF Select Marker Preamp: Off Gate: LO µW Path: Standard IF Gain: Low Sig Track: Off w ww ww w Marker 1 Align: Auto ANNNN LXI Marker Frequency Settings Mkr1 2.109 0 GHz 1 Spectrum 2.109000000 GHz Ref LvI Offset 42.40 dB Ref Level 20.00 dBm -6.42 dBm Scale/Div 10 dB Peak Search Search Pk Search Next Peak Properties Next Pk Right Marker Function Next Pk Left Minimum Peak Marker→ Pk-Pk Search Counter Marker Delta Mkr→CF Mkr→Ref LvI Continuous Peak Search Stop 2.109 GHz #Sweep ~5.01 s (5001 pts) Start 9 kHz #Res BW 1.0 MHz #Video BW 3.0 MHz* On



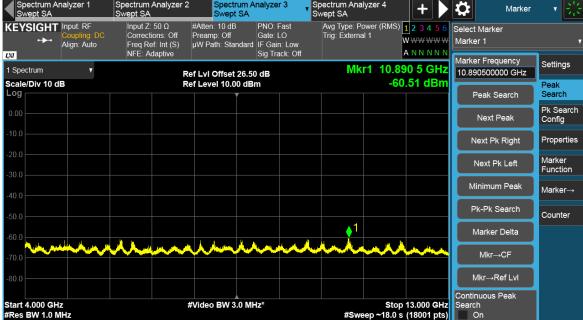


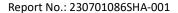




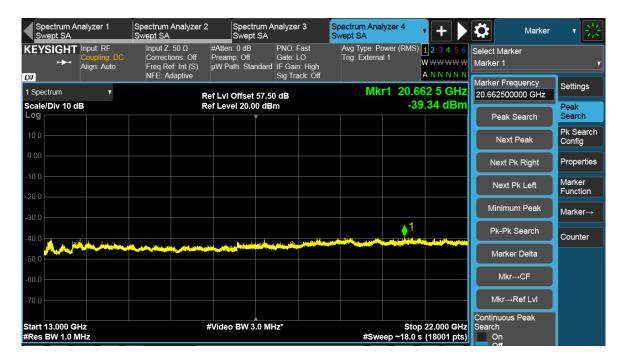


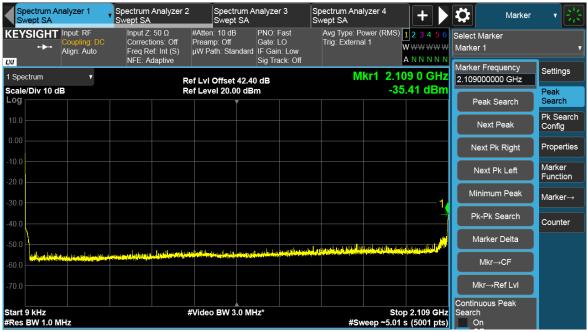


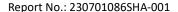




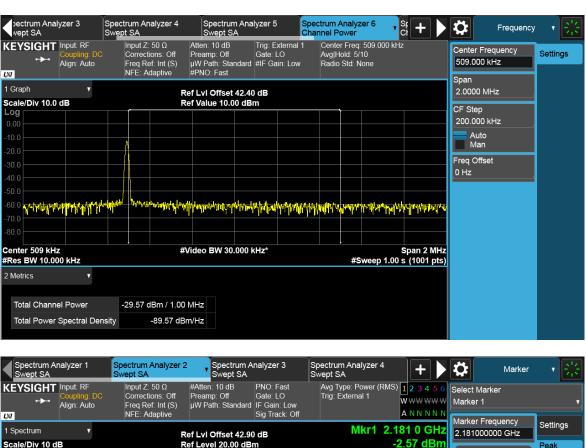




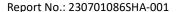












Properties

Marker

Function

Marker→

Counter

Next Pk Right

Next Pk Left

Minimum Peak

Pk-Pk Search

Marker Delta

Mkr→CF

Mkr→Ref Lvl

Stop 13.000 GHz #Sweep ~18.0 s (18001 pts) Continuous Peak Search On



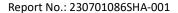
TEST REPORT



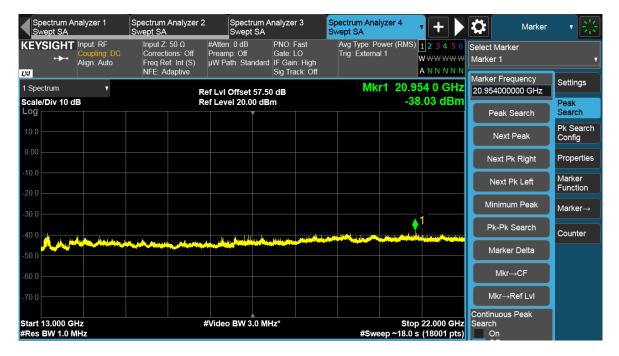
Start 4.000 GHz

#Res BW 1.0 MHz

#Video BW 3.0 MHz*







Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
D	В	QPSK	30	1000	-19.02
D	Т	QPSK	30	1000	-19.02



