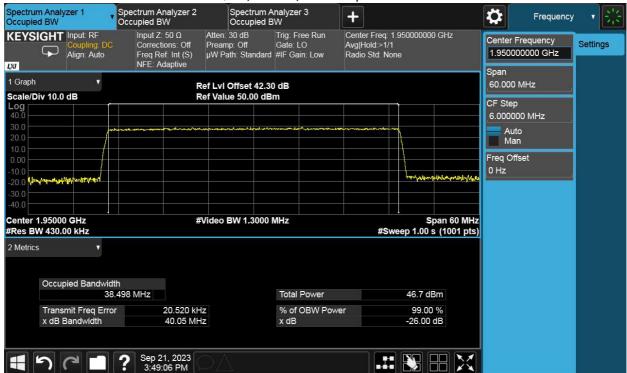
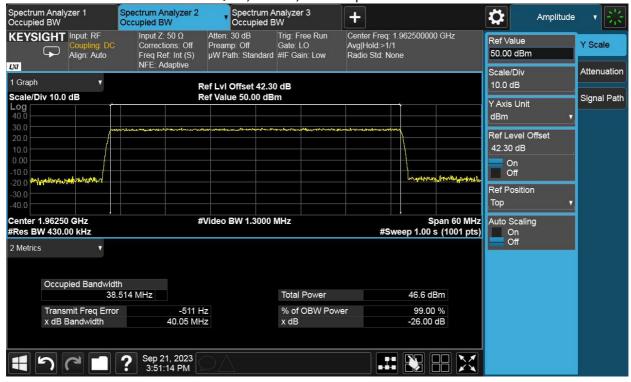




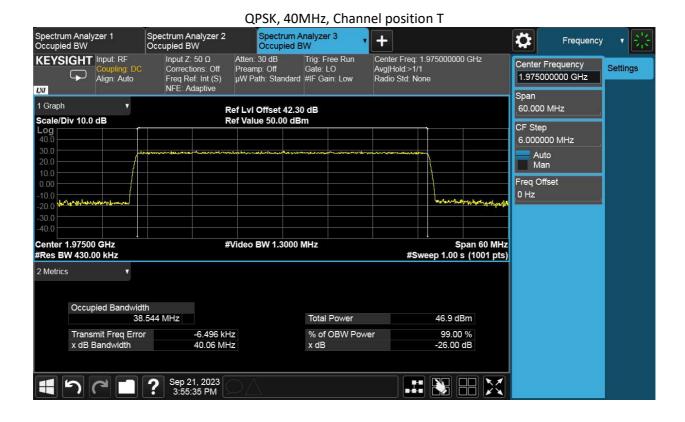
QPSK, 40MHz, Channel position B



QPSK, 40MHz, Channel position M









Report No.: 230901312SHA-001

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 -3.01dB [10Log(1/2)] 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 -16.01dBm.

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 and a RBW of 1MHz for measurements of emissions > 1MHz away from the band edges.

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)
Α	В	QPSK	25	270	-16.01
Α	Т	QPSK	25	270	-16.01







Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
Α	В	QPSK	30	300	-16.01
Α	Т	QPSK	30	300	-16.01

Channel Position B



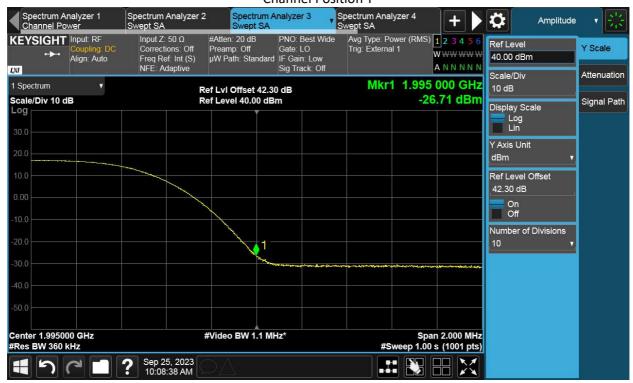




Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
Α	В	QPSK	35	360	-16.01
Α	Т	QPSK	35	360	-16.01

Channel Position B

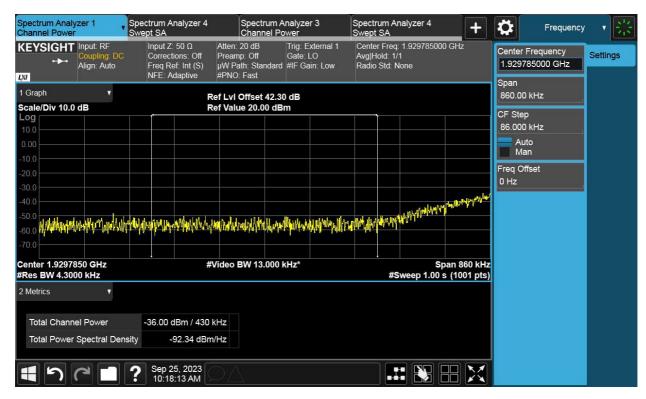


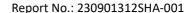




Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
Α	В	QPSK	40	430	-16.01
Α	Т	QPSK	40	430	-16.01

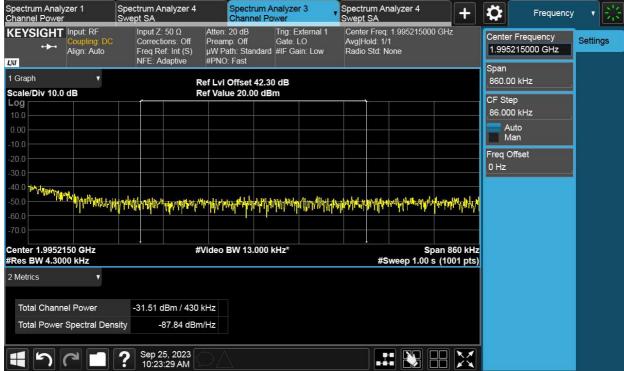














Report No.: 230901312SHA-001

6 Conducted Unwanted Emission

Test result: Pass

6.1 Limit

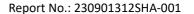
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

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 20GHz. The resolution bandwidth of 1MHz was employed for frequency band 9kHz to 20GHz. The spectrum analyzer detector was set to RMS.

For MIMO mode configurations, the limit was adjusted with a correction of -3.01dB [10Log(1/2)] 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.



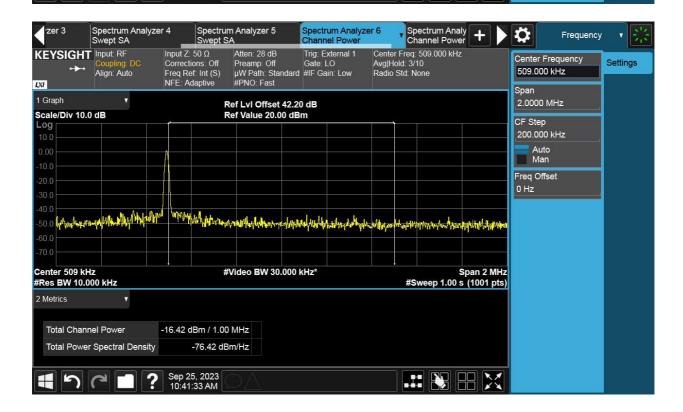


6.3 Measurement result

NR-1C

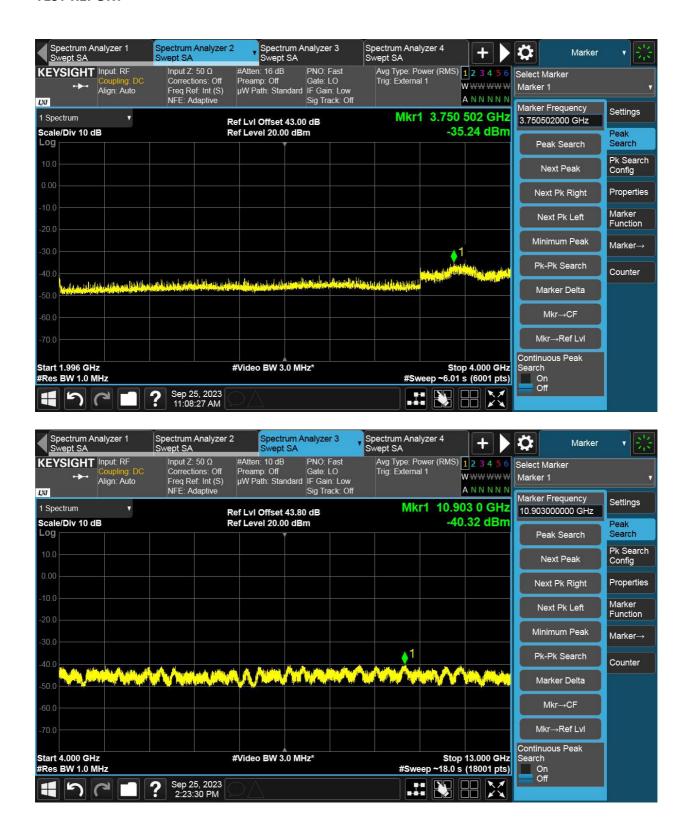
Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
Α	В	QPSK	25	1000	-16.01
Α	Т	QPSK	25	1000	-16.01

Channel Position B Spectrum Analyzer 1 Swept SA Spectrum Analyzer 3 Spectrum Analyzer 2 Swept SA Spectrum Analyzer 4 Ö + Amplitude Swept SA Swept SA Avg Type: Power (RMS) 1 2 3 4 5 6 Trig: External 1 #Atten: 10 dB Preamp: Off KEYSIGHT Input: RF Input Z: 50 Ω PNO: Fast Ref Level Corrections: Off Freq Ref: Int (S) NFE: Adaptive Gate: LO Y Scale wwwww Align: Auto 20.00 dBm μW Path: Standard IF Gain: Low Sig Track: Off ANNNNN LXI Attenuation Scale/Div Mkr1 1.929 0 GHz 1 Spectrum 10 dB Ref LvI Offset 42.20 dB -15.40 dBm Scale/Div 10 dB Ref Level 20.00 dBm Signal Path Display Scale Log Lin Y Axis Unit dBm Ref Level Offset 42 20 dB Number of Divisions والمتعارف والمتعارض والمتع Stop 1.9290 GHz #Sweep ~4.01 s (4001 pts) Start 9 kHz #Res BW 1.0 MHz #Video BW 3.0 MHz* ? Sep 25, 2023 10:48:10 AM N









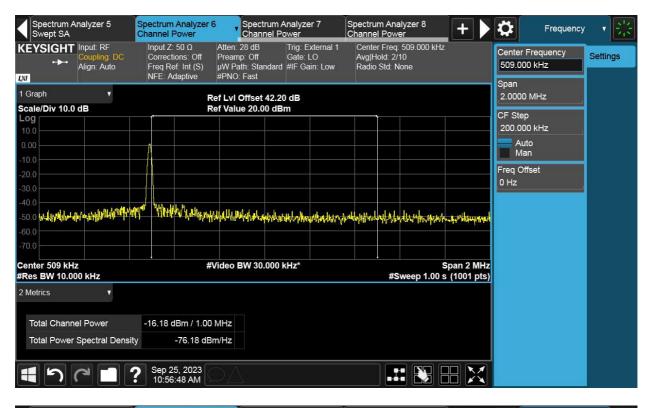






















Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
Α	В	QPSK	30	1000	-16.01
Α	Т	QPSK	30	1000	-16.01



