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## 1. Modulation Characteristics

### 1.1 30k\_SISO\_40MHz\_NTNV

#### 1.1.1 Test Result

5G NR n48 SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	Modulation Characteristics			Verdict
			Ant1	Ant2	Sum	
DFT-s-OFDM PI/2 BPSK	3624.99	Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	Refer To Test Graph			Pass
CP-OFDM QPSK	3624.99	Outer_Full	Refer To Test Graph			Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	Refer To Test Graph			Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	Refer To Test Graph			Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	Refer To Test Graph			Pass

1.1.2 Test Graph

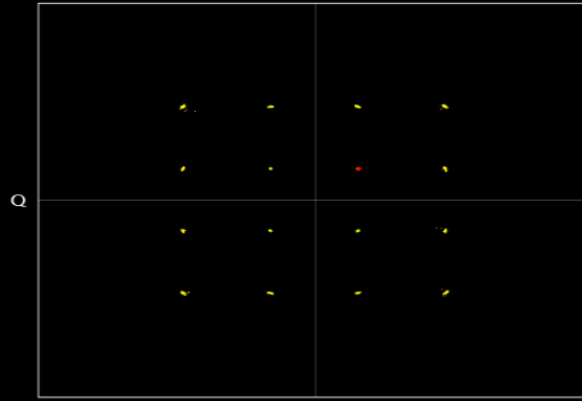


n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_16\_QAM\_3624.99MHz\_Outer\_Full

Fundamental > Constellation

0 subcarrier  
I 0.3225 Q 0.3172

Meas. Count : 3/ 3



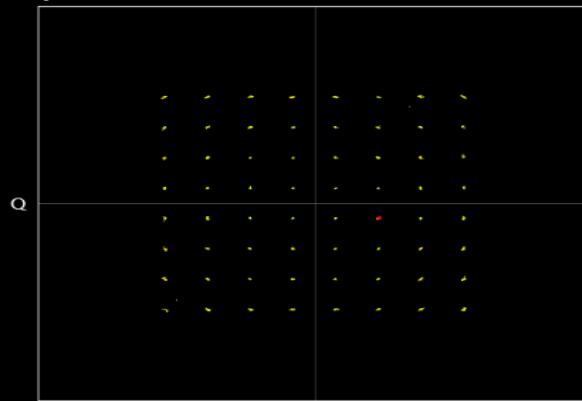
	Avg.	Max.	Min.
EVM	1.21	1.21	1.20 %(rms)
Peak Vector Error	21.35	21.61	21.08 %
Carrier Leakage	-43.81	-43.75	-43.91 dBc
IQ Imbalance	100.00	100.03	99.97 %(I/Q)

n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_64\_QAM\_3624.99MHz\_Outer\_Full

Fundamental > Constellation

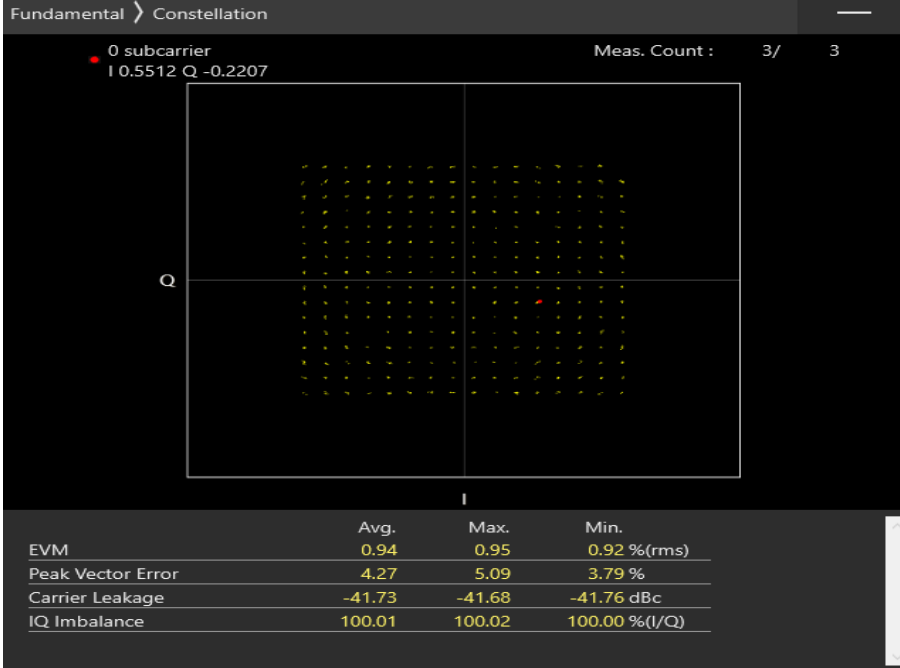
0 subcarrier  
I 0.4734 Q -0.151

Meas. Count : 3/ 3

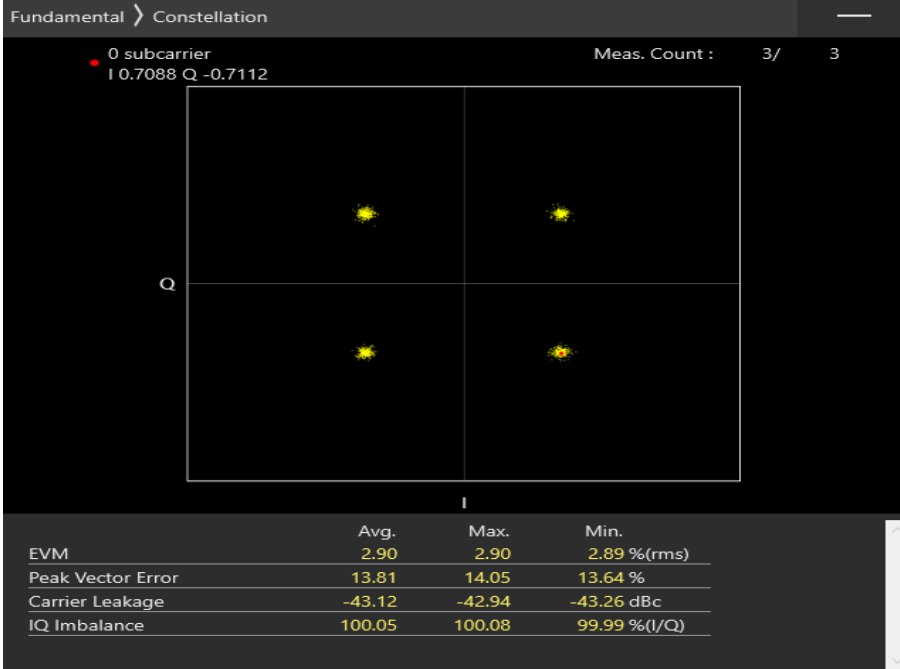


	Avg.	Max.	Min.
EVM	1.01	1.02	0.98 %(rms)
Peak Vector Error	16.24	16.70	15.94 %
Carrier Leakage	-44.13	-44.06	-44.19 dBc
IQ Imbalance	100.00	100.01	99.99 %(I/Q)

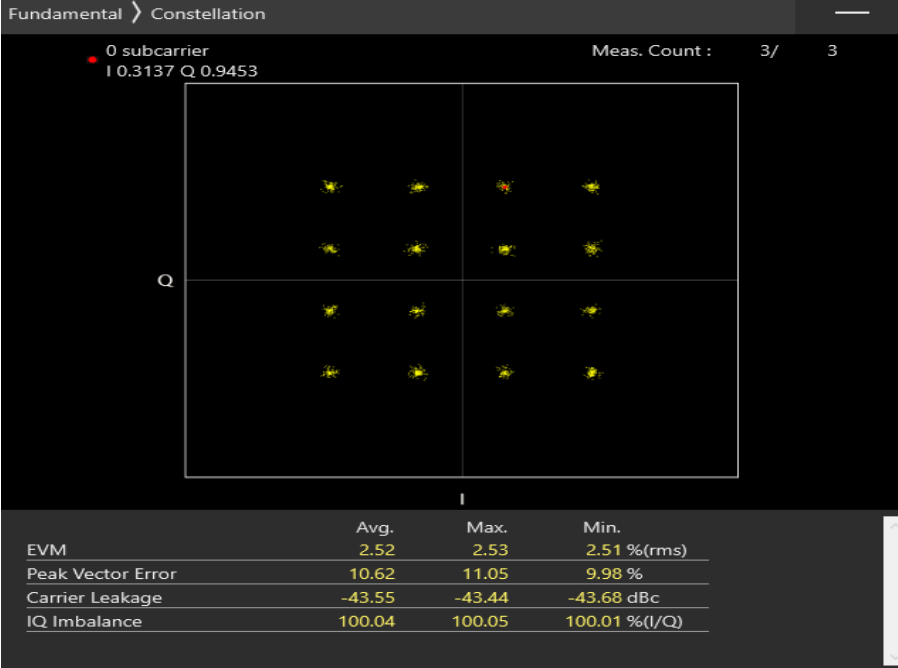
n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3624.99MHz\_Outer\_Full

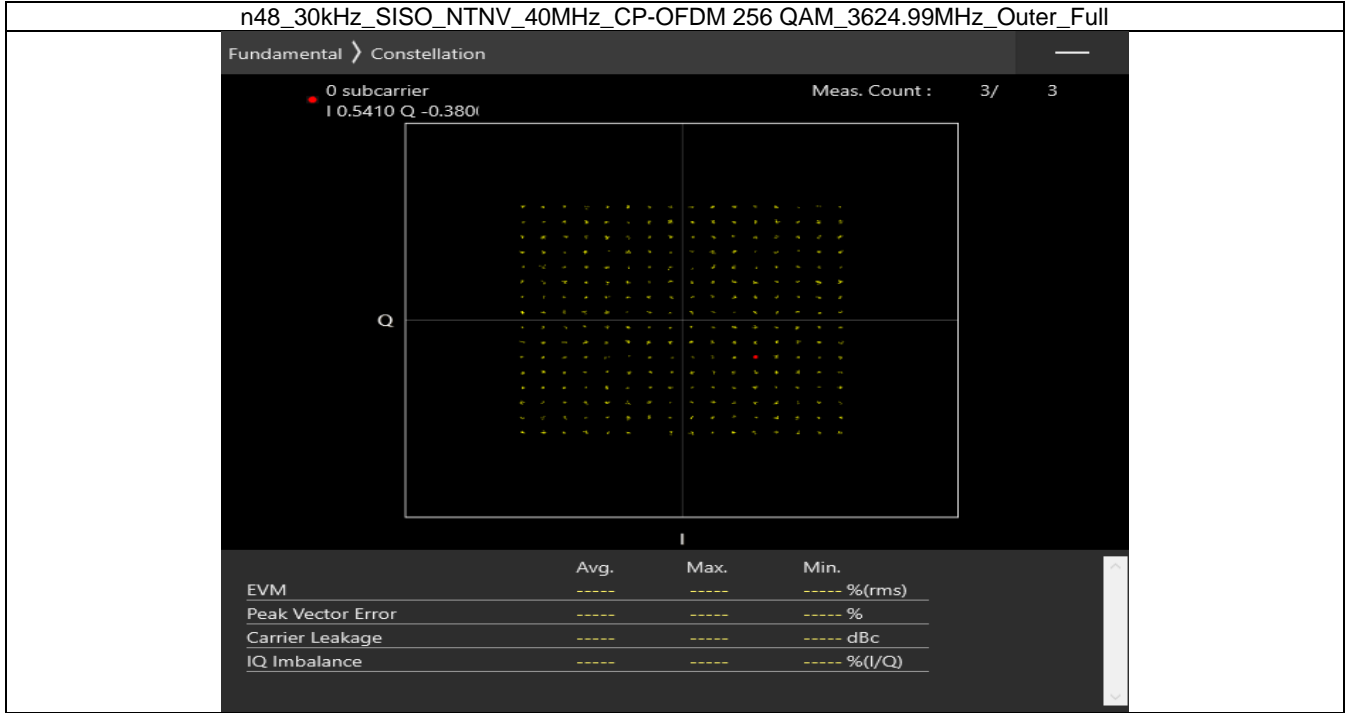


n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Outer\_Full





- End of the Report -