

Test data

Output Power(E.I.R.P)

Modulation	Frequency (MHz)	ANT. Port	Output Power (dBm/10MHz)	Total Power (dBm/10MHz)	Directional gain (dBi)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)
QPSK (10MHz)	3555.00	ANT 1	21.44	24.30	5.5	29.80	30
		ANT 3	21.14				
	3625.00	ANT 1	20.55	23.47			
		ANT 3	20.37				
	3695.00	ANT 1	21.05	23.92			
		ANT 3	20.77				
64QAM (10MHz)	3555.00	ANT 1	21.28	24.24	5.5	29.74	
		ANT 3	21.17				
	3625.00	ANT 1	20.67	23.32			
		ANT 3	19.91				
	3695.00	ANT 1	21.38	24.00			
		ANT 3	20.56				
QPSK (20MHz)	3560.00	ANT 1	20.43	23.36	5.5	28.86	30
		ANT 3	20.26				
	3625.00	ANT 1	19.05	21.85			
		ANT 3	18.61				
	3690.00	ANT 1	20.04	22.98			
		ANT 3	19.90				
64QAM (20MHz)	3560.00	ANT 1	20.80	23.64	5.5	29.14	
		ANT 3	20.45				
	3625.00	ANT 1	18.54	21.81			
		ANT 3	19.05				
	3690.00	ANT 1	19.73	22.48			
		ANT 3	19.20				
Remark:	1. ANT 1 and ANT 3 is 2*2MIMO 2. All transmit signals are completely uncorrelated with each other, Directional gain = GANT =5.5dBi						

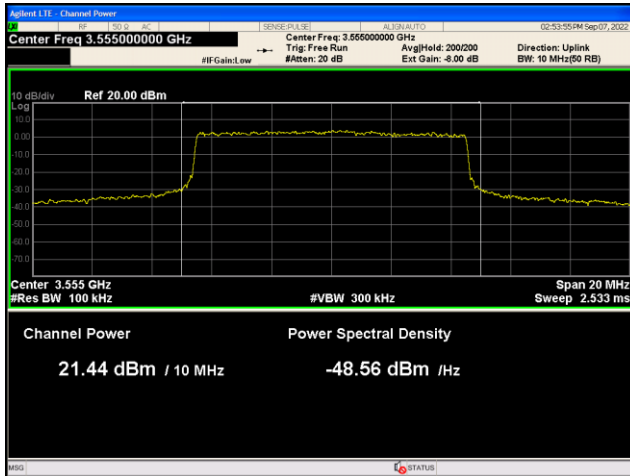
Full Transmit Output Power							
Modulation	Frequency (MHz)	ANT. Port	Output Power (dBm/20MHz)	Total Power (dBm/20MHz)	Directional gain (dBi)	EIRP (dBm/20MHz)	Limit (dBm/20MHz)
QPSK (20MHz)	3560.00	ANT 1	23.17	26.60	5.5	32.10	/
		ANT 3	23.98				
	3625.00	ANT 1	24.09	26.13			
		ANT 3	21.87				
	3690.00	ANT 1	24.69	27.03		32.53	
		ANT 3	23.22				
64QAM (20MHz)	3560.00	ANT 1	24.37	27.22	5.5	32.72	/
		ANT 3	24.04				
	3625.00	ANT 1	21.79	25.01		30.51	
		ANT 3	22.20				
	3690.00	ANT 1	23.64	26.37		31.87	
		ANT 3	23.07				
Remark:	1. ANT 1 and ANT 3 is 2*2MIMO 2. All transmit signals are completely uncorrelated with each other, Directional gain = GANT =5.5dBi						

Test plot as below:

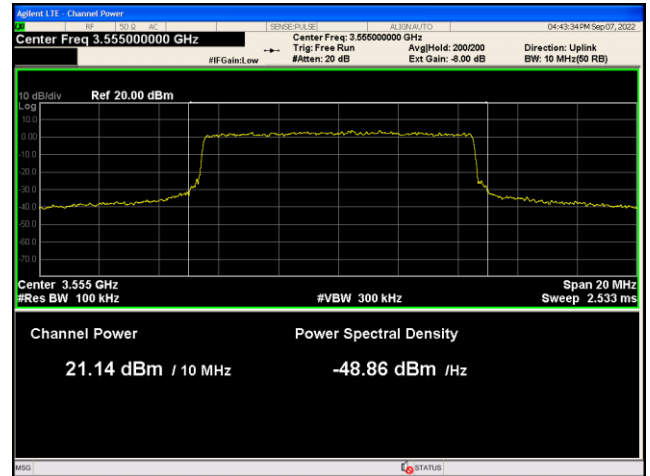
Bandwidth=10MHz – QPSK

ANT 1

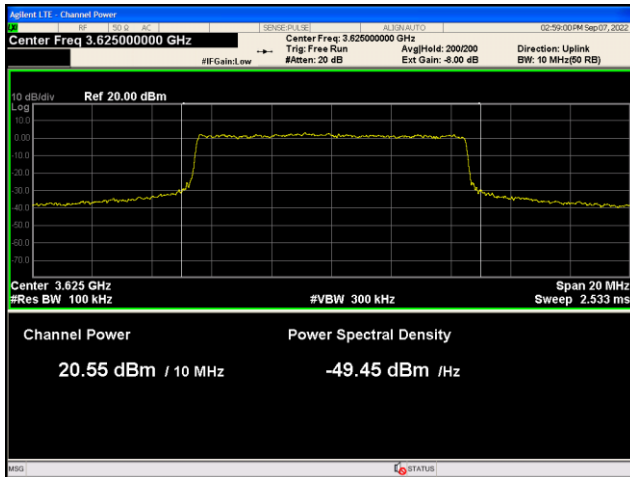
ANT 3



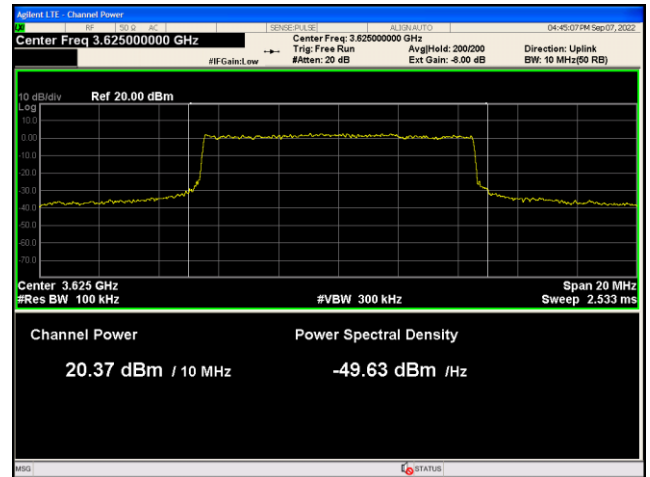
Lowest channel



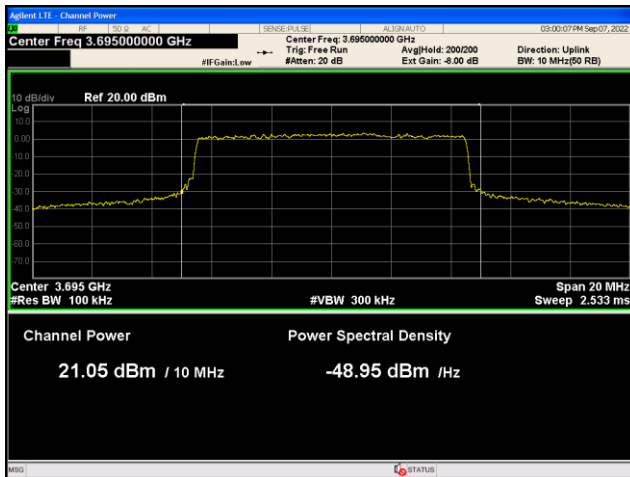
Lowest channel



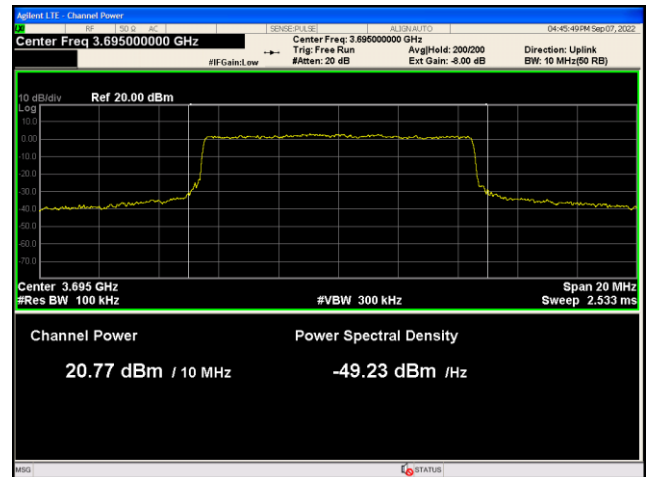
Middle channel



Middle channel



Highest channel

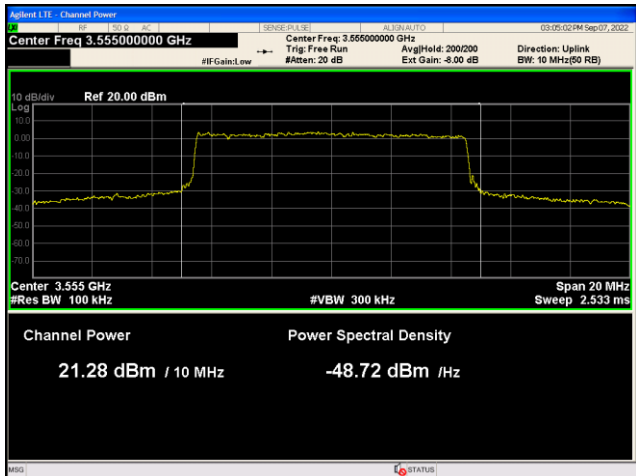


Highest channel

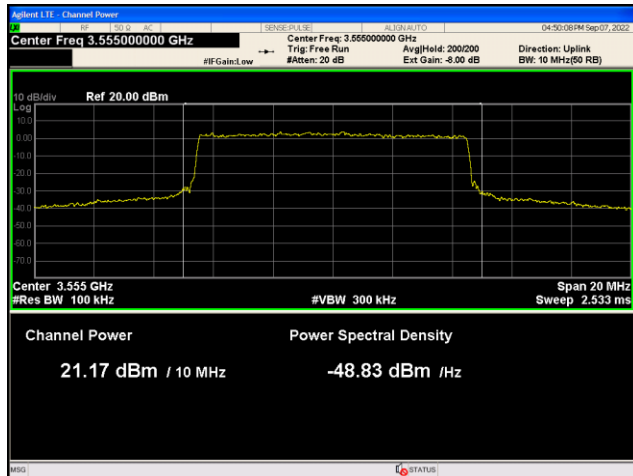
Bandwidth=10MHz – 64QAM

ANT 1

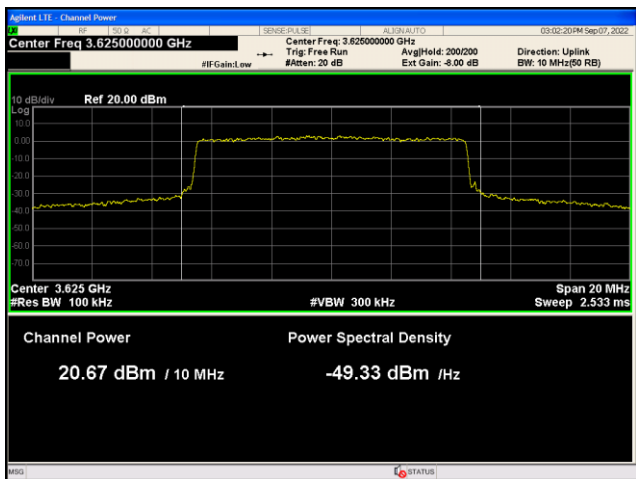
ANT 3



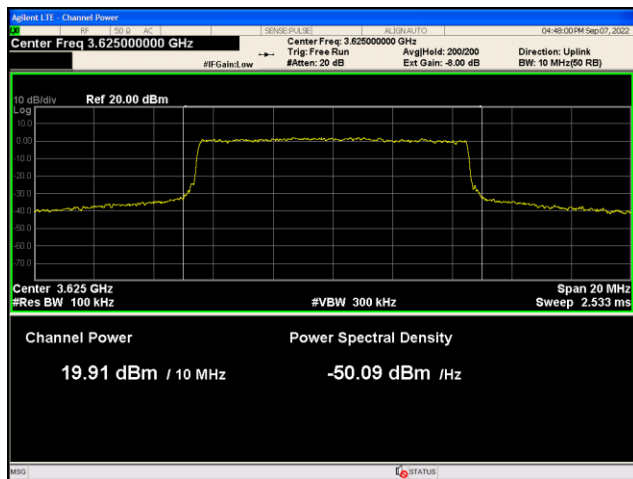
Lowest channel



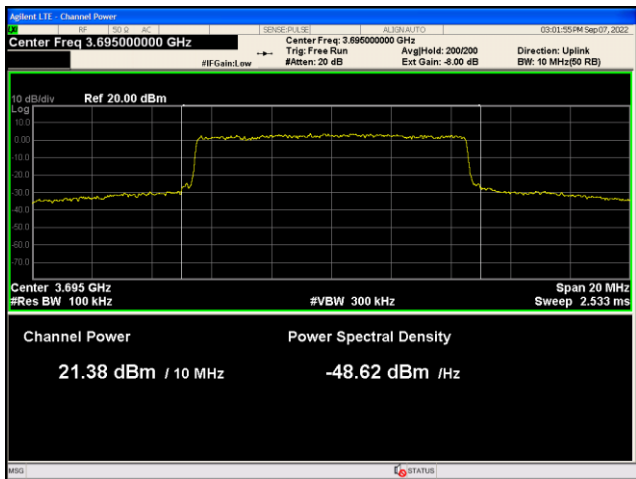
Lowest channel



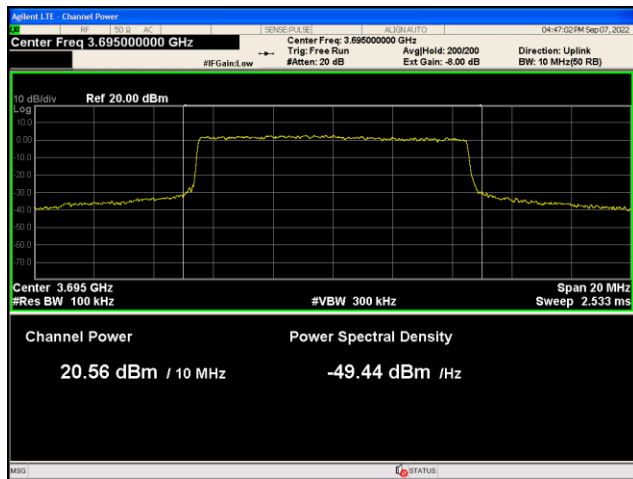
Middle channel



Middle channel



Highest channel

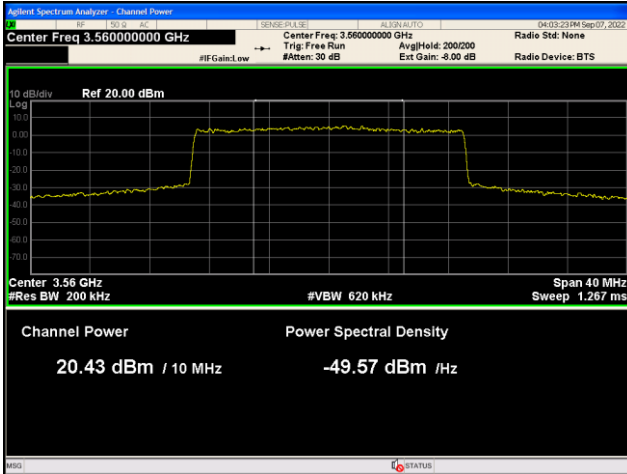


Highest channel

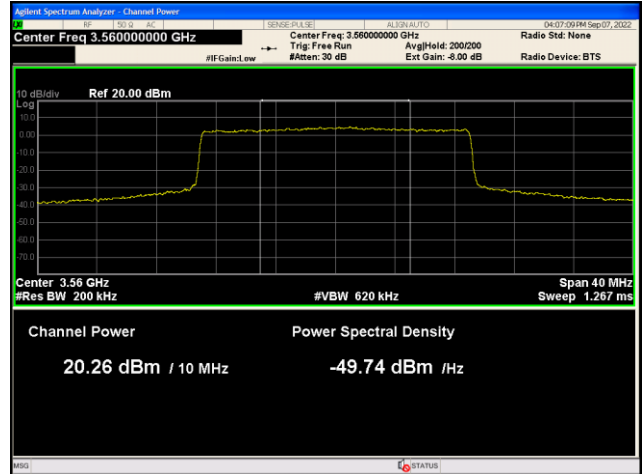
Bandwidth=20MHz – QPSK

ANT 1

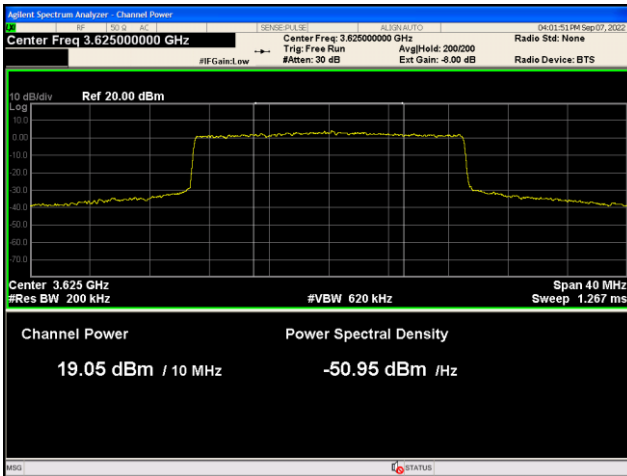
ANT 3



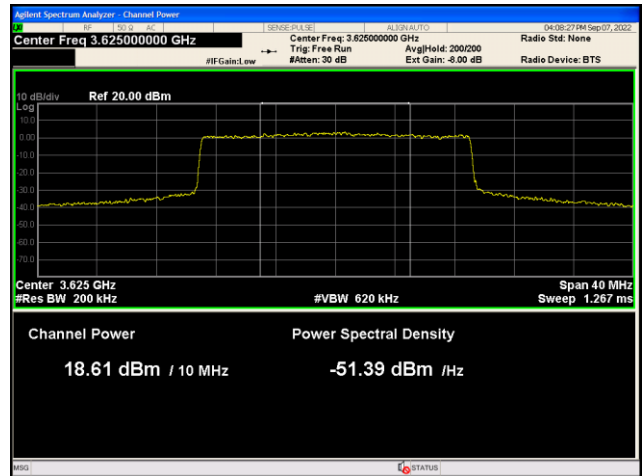
Lowest channel



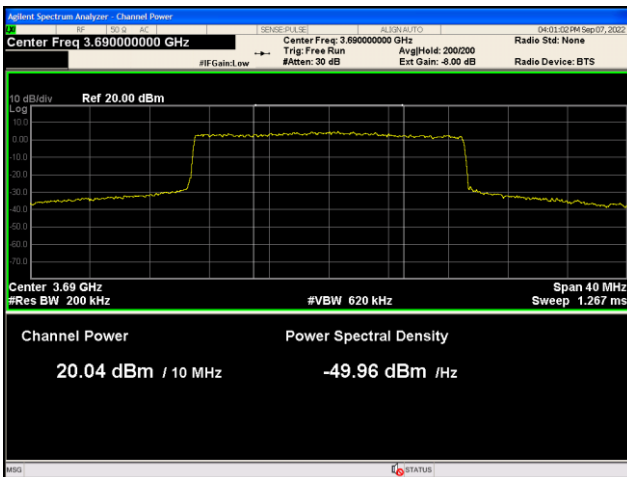
Lowest channel



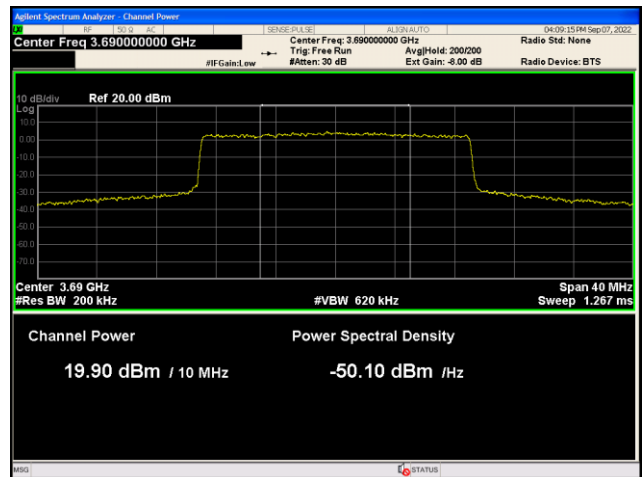
Middle channel



Middle channel



Highest channel

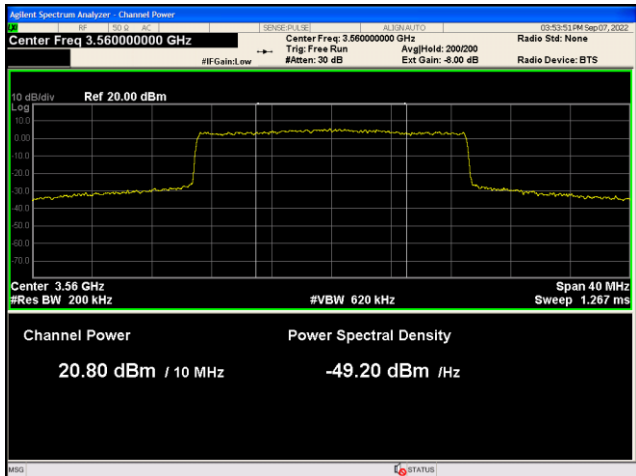


Highest channel

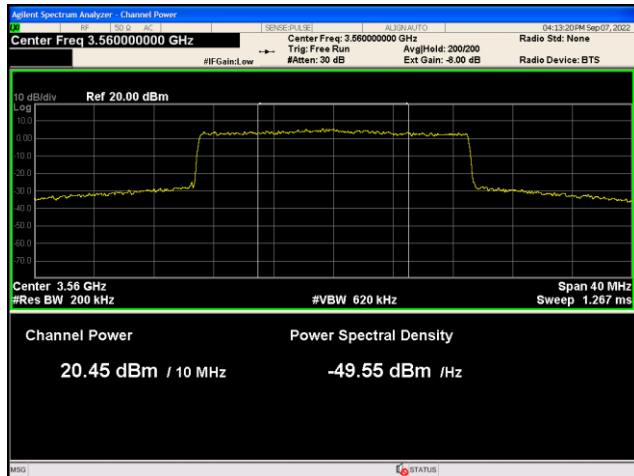
Bandwidth=20MHz – 64QAM

ANT 1

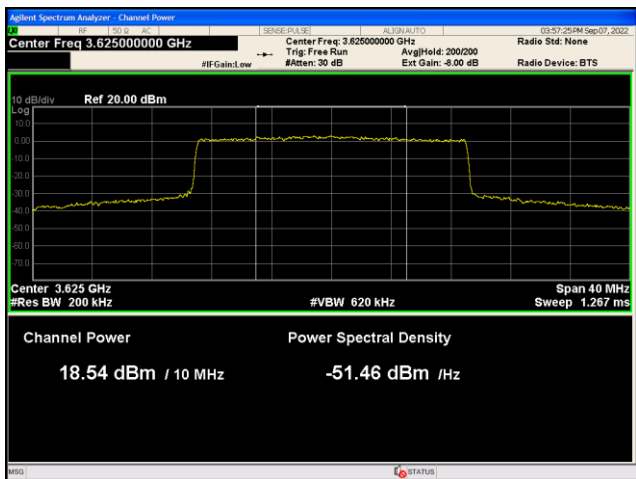
ANT 3



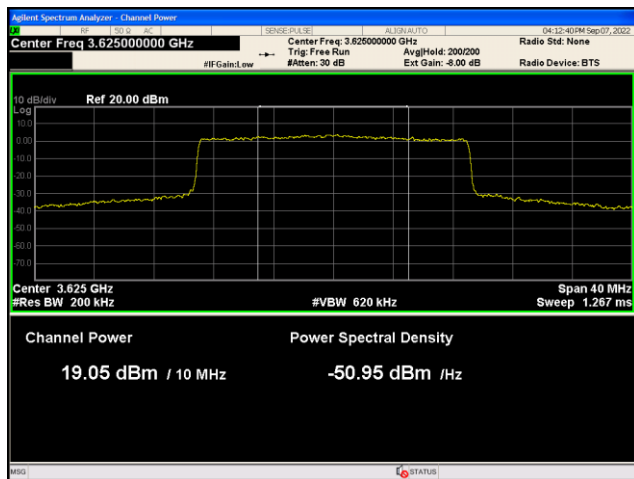
Lowest channel



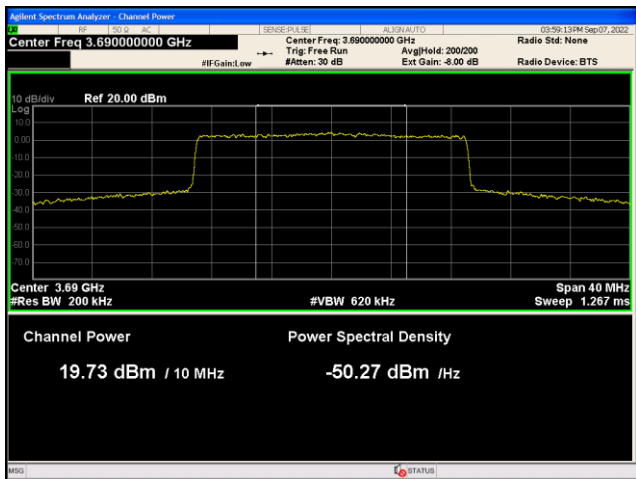
Lowest channel



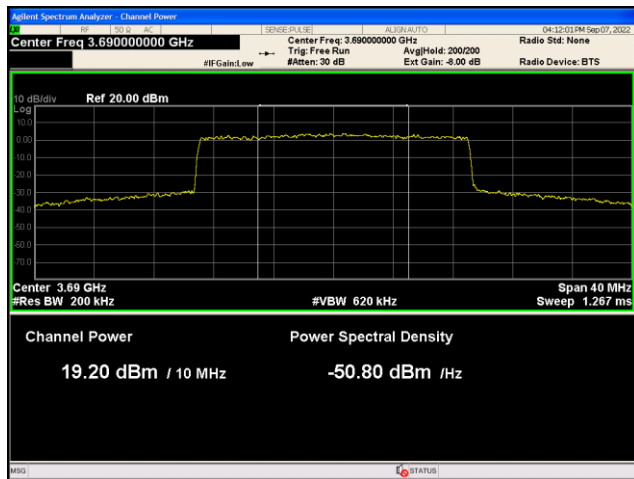
Middle channel



Middle channel



Highest channel



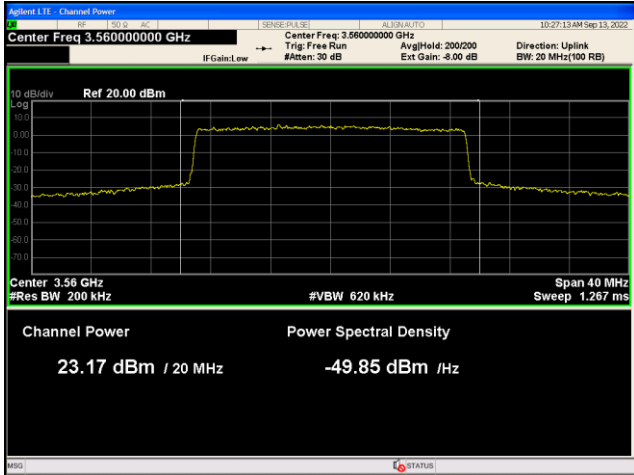
Highest channel

Full Transmit Output Power:

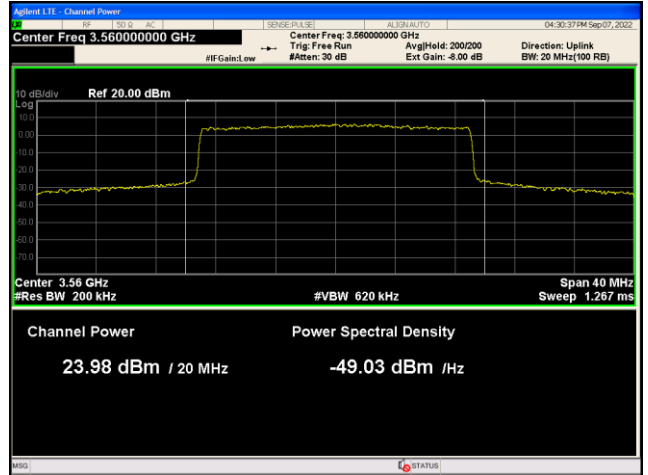
Bandwidth=20MHz – QPSK

ANT 1

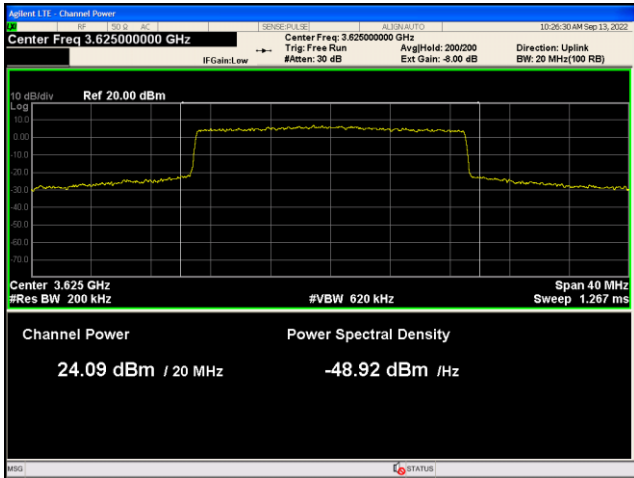
ANT 3



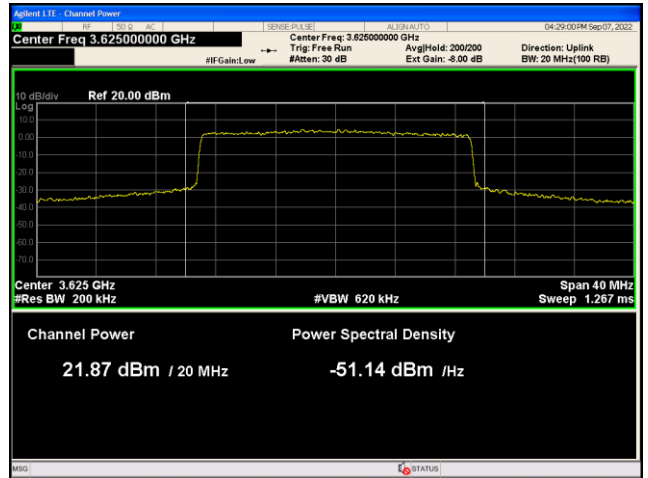
Lowest channel



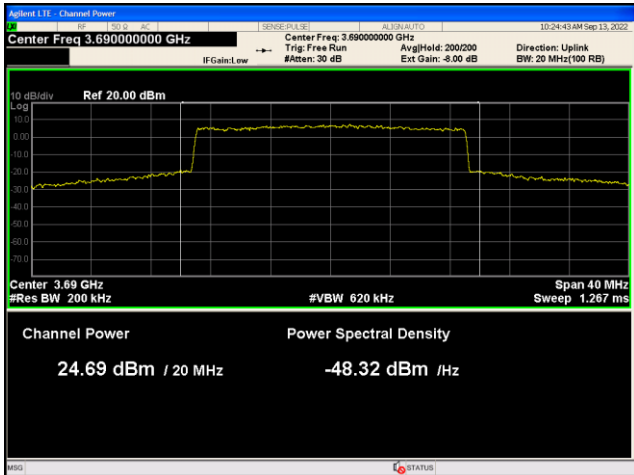
Lowest channel



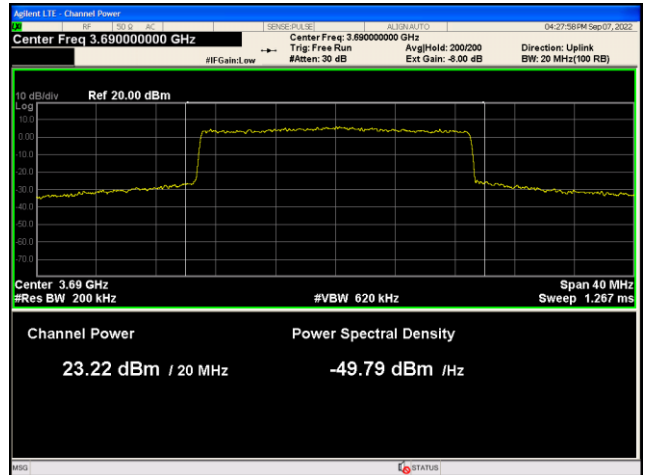
Middle channel



Middle channel



Highest channel

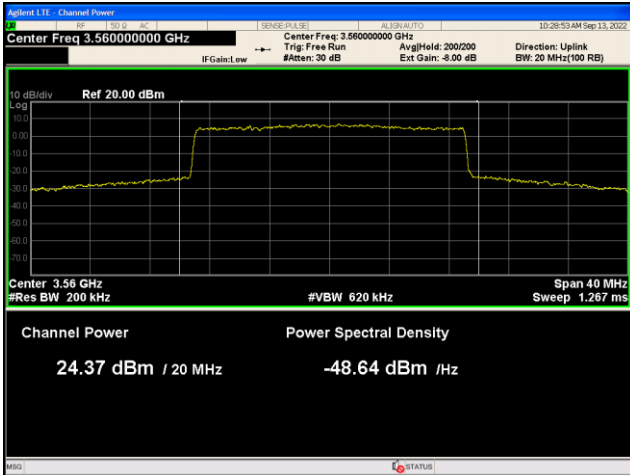


Highest channel

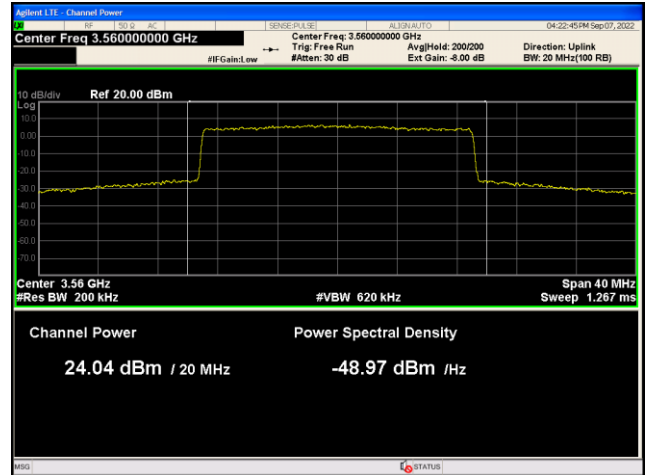
Bandwidth=20MHz – 64QAM

ANT 1

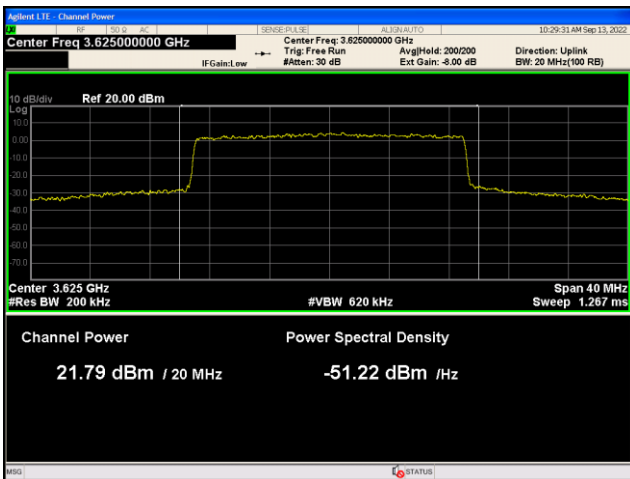
ANT 3



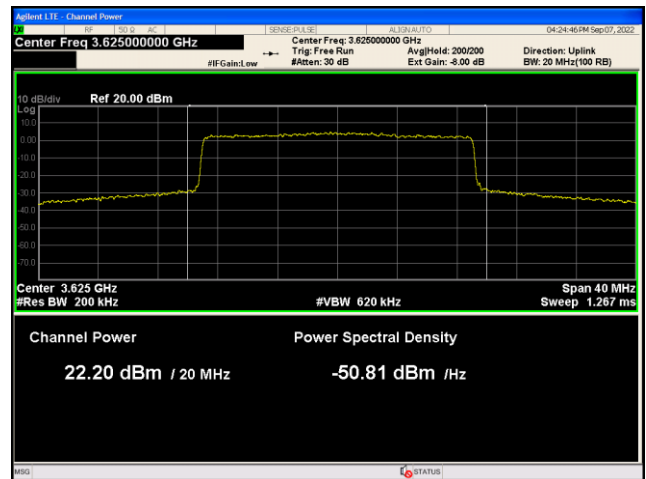
Lowest channel



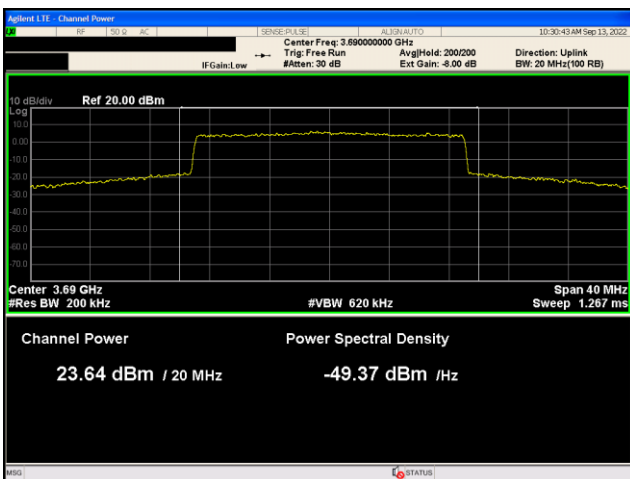
Lowest channel



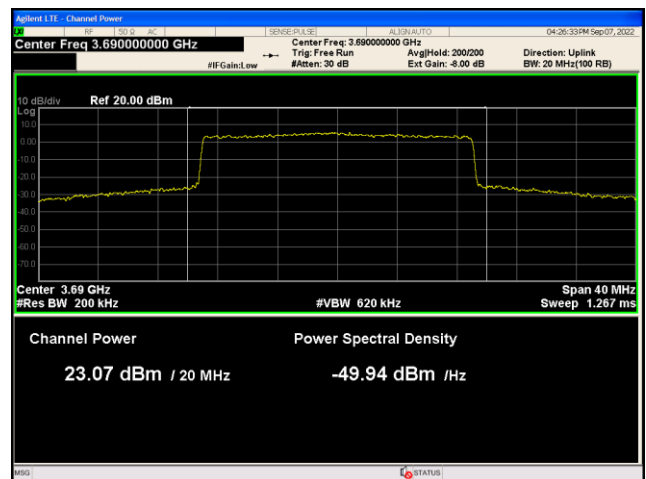
Middle channel



Middle channel



Highest channel



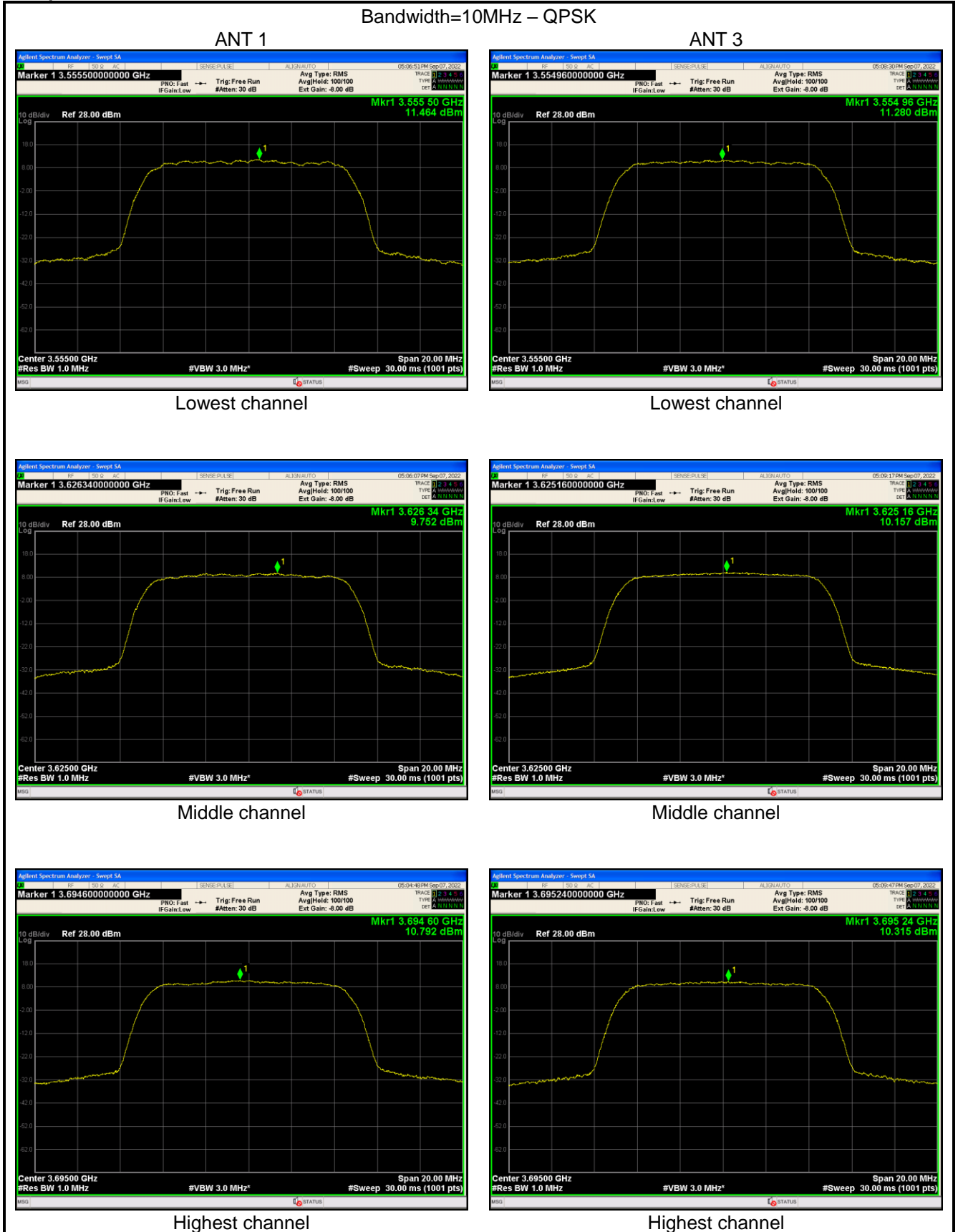
Highest channel

Power Spectral Density (PSD)

Modulation	Frequency (MHz)	ANT. Port	PSD (dBm/MHz)	Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
QPSK (10MHz)	3555.00	ANT 1	11.464	14.38	5.5	19.88	20
		ANT 3	11.280				
	3625.00	ANT 1	9.752	12.97			
		ANT 3	10.157				
	3695.00	ANT 1	10.792	13.57			
		ANT 3	10.315				
64QAM (10MHz)	3555.00	ANT 1	11.242	14.35	5.5	19.85	20
		ANT 3	11.440				
	3625.00	ANT 1	9.878	12.81			
		ANT 3	9.710				
	3695.00	ANT 1	10.326	13.79			
		ANT 3	11.188				
QPSK (20MHz)	3560.00	ANT 1	8.703	11.67	5.5	17.17	20
		ANT 3	8.622				
	3625.00	ANT 1	6.937	10.06			
		ANT 3	7.153				
	3690.00	ANT 1	7.575	10.46			
		ANT 3	7.319				
64QAM (20MHz)	3560.00	ANT 1	8.644	11.39	5.5	16.89	20
		ANT 3	8.097				
	3625.00	ANT 1	7.087	9.92			
		ANT 3	6.734				
	3690.00	ANT 1	7.412	10.46			
		ANT 3	7.484				

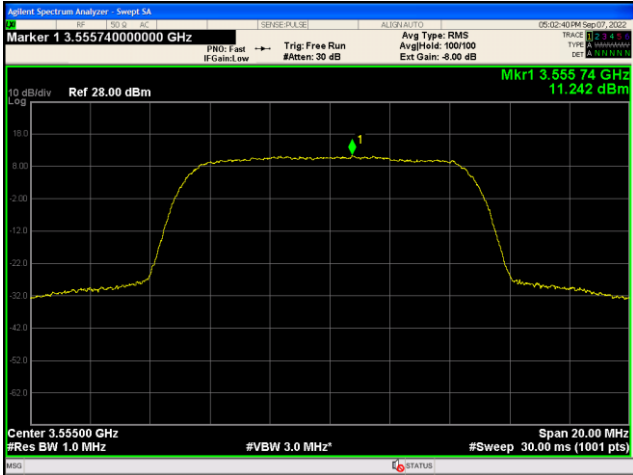
Test plot as below:

Bandwidth=10MHz – QPSK



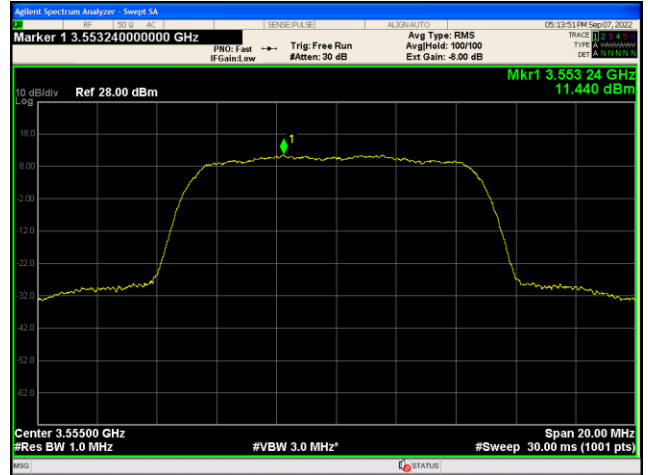
Bandwidth=10MHz – 64QAM

ANT 1

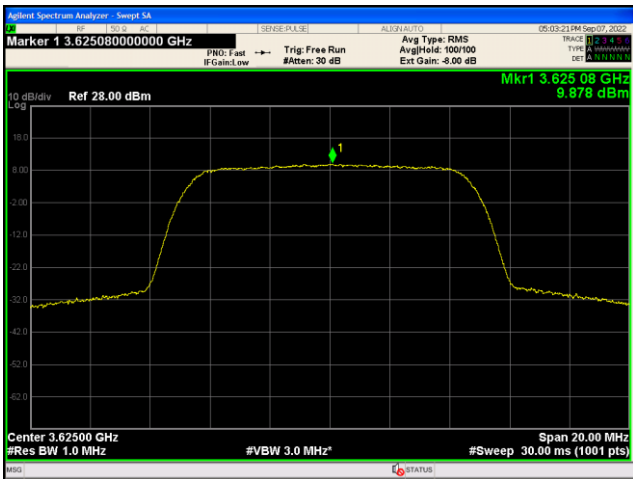


Lowest channel

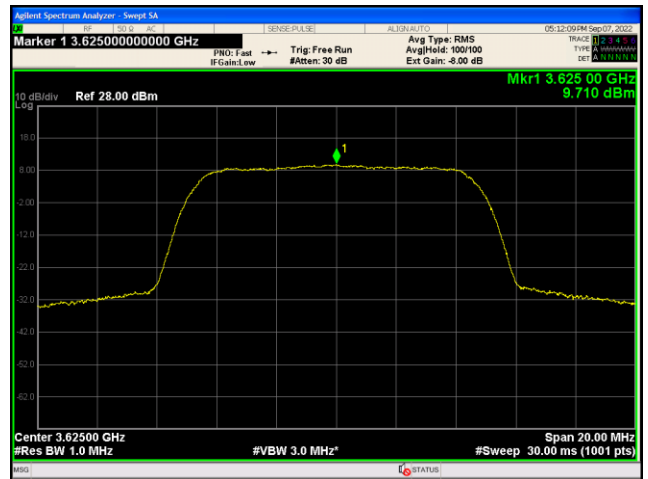
ANT 3



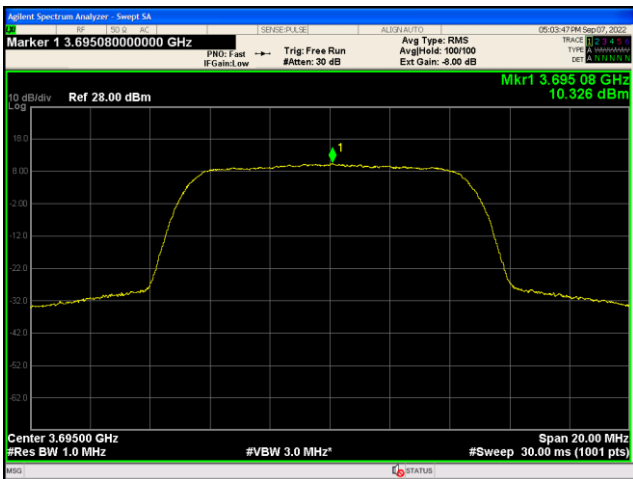
Lowest channel



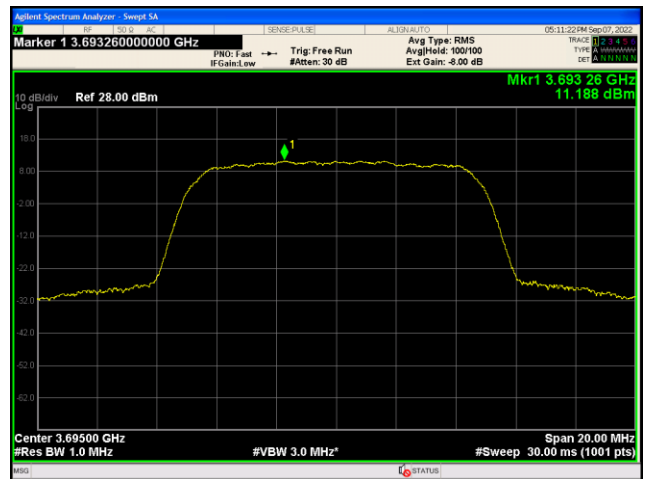
Middle channel



Middle channel



Highest channel



Highest channel