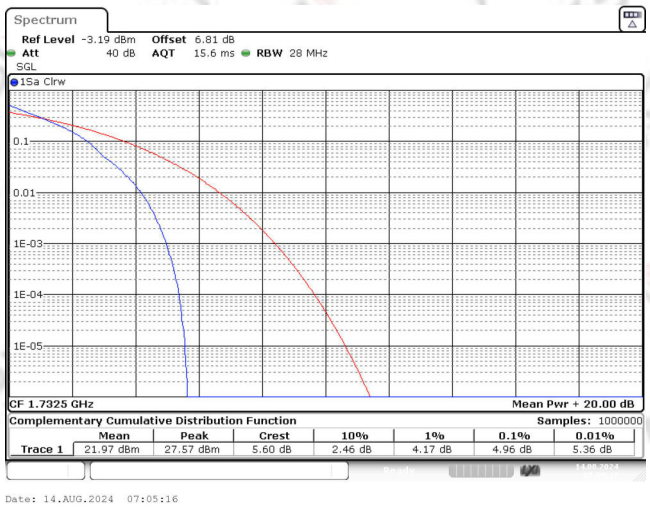
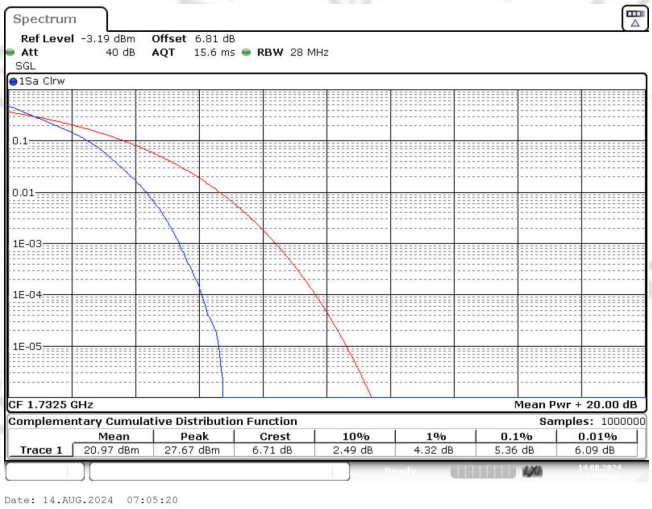
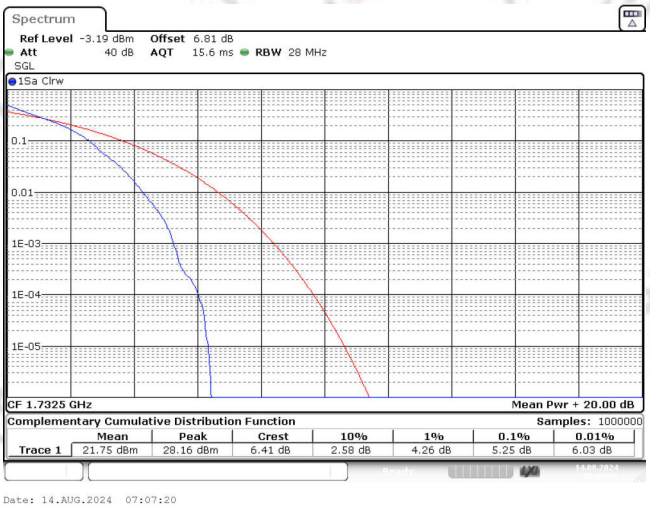


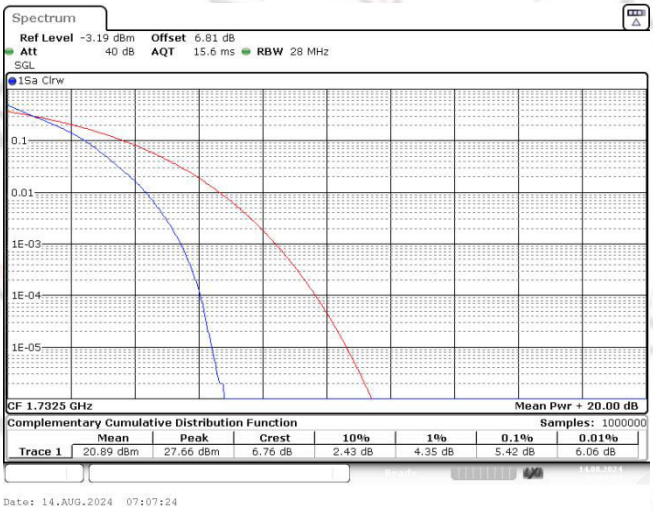
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0 NVNT



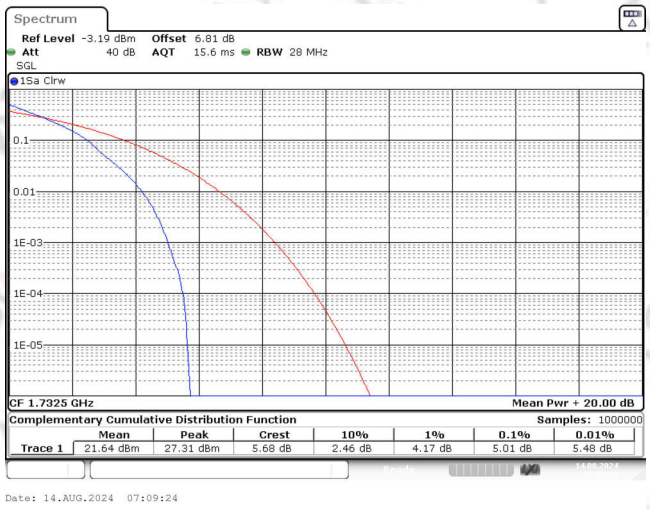
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



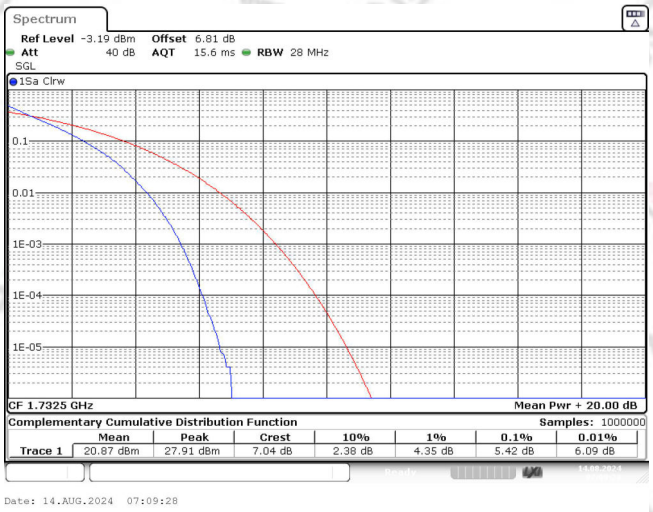
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0 NVNT



Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



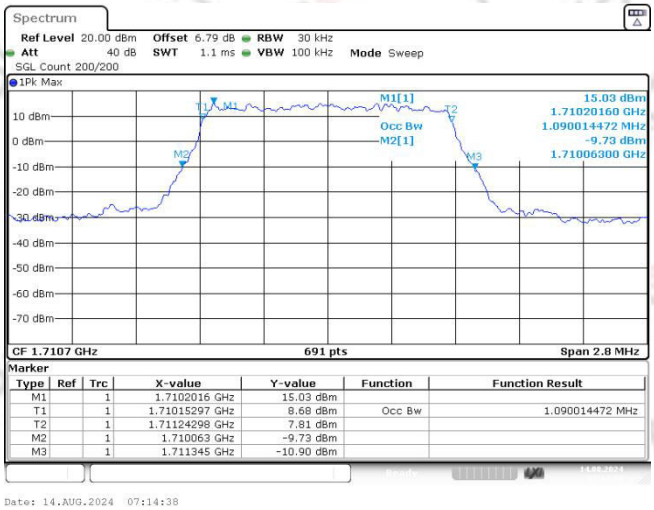
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0 NVNT



Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT

04 Occupied bandwidth

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band4	1.4	19957	6	#0	QAM16	1.090	1.262	PASS
NVNT	Band4	1.4	20175	6	#0	QAM16	1.098	1.270	PASS
NVNT	Band4	1.4	20393	6	#0	QAM16	1.094	1.315	PASS
NVNT	Band4	3	19965	15	#0	QAM16	2.709	2.974	PASS
NVNT	Band4	3	20175	15	#0	QAM16	2.718	3.000	PASS
NVNT	Band4	3	20385	15	#0	QAM16	2.718	2.965	PASS
NVNT	Band4	5	19975	25	#0	QAM16	4.501	4.855	PASS
NVNT	Band4	5	20175	25	#0	QAM16	4.530	4.884	PASS
NVNT	Band4	5	20375	25	#0	QAM16	4.501	4.870	PASS
NVNT	Band4	10	20000	50	#0	QAM16	9.001	9.739	PASS
NVNT	Band4	10	20175	50	#0	QAM16	9.001	9.652	PASS
NVNT	Band4	10	20350	50	#0	QAM16	8.973	9.536	PASS
NVNT	Band4	15	20025	75	#0	QAM16	13.502	14.478	PASS
NVNT	Band4	15	20175	75	#0	QAM16	13.502	14.435	PASS
NVNT	Band4	15	20325	75	#0	QAM16	13.459	14.565	PASS
NVNT	Band4	20	20050	100	#0	QAM16	18.119	19.362	PASS
NVNT	Band4	20	20175	100	#0	QAM16	18.003	19.536	PASS
NVNT	Band4	20	20300	100	#0	QAM16	17.945	19.420	PASS
NVNT	Band4	1.4	19957	6	#0	QPSK	1.090	1.282	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	1.094	1.286	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1.090	1.270	PASS
NVNT	Band4	3	19965	15	#0	QPSK	2.718	2.974	PASS
NVNT	Band4	3	20175	15	#0	QPSK	2.718	3.000	PASS
NVNT	Band4	3	20385	15	#0	QPSK	2.718	2.957	PASS
NVNT	Band4	5	19975	25	#0	QPSK	4.515	4.884	PASS
NVNT	Band4	5	20175	25	#0	QPSK	4.501	4.899	PASS
NVNT	Band4	5	20375	25	#0	QPSK	4.486	4.942	PASS
NVNT	Band4	10	20000	50	#0	QPSK	8.973	9.594	PASS
NVNT	Band4	10	20175	50	#0	QPSK	9.001	9.681	PASS
NVNT	Band4	10	20350	50	#0	QPSK	8.973	9.797	PASS
NVNT	Band4	15	20025	75	#0	QPSK	13.502	14.652	PASS
NVNT	Band4	15	20175	75	#0	QPSK	13.502	14.609	PASS
NVNT	Band4	15	20325	75	#0	QPSK	13.502	14.565	PASS
NVNT	Band4	20	20050	100	#0	QPSK	18.061	19.536	PASS
NVNT	Band4	20	20175	100	#0	QPSK	18.003	19.594	PASS
NVNT	Band4	20	20300	100	#0	QPSK	18.061	19.942	PASS

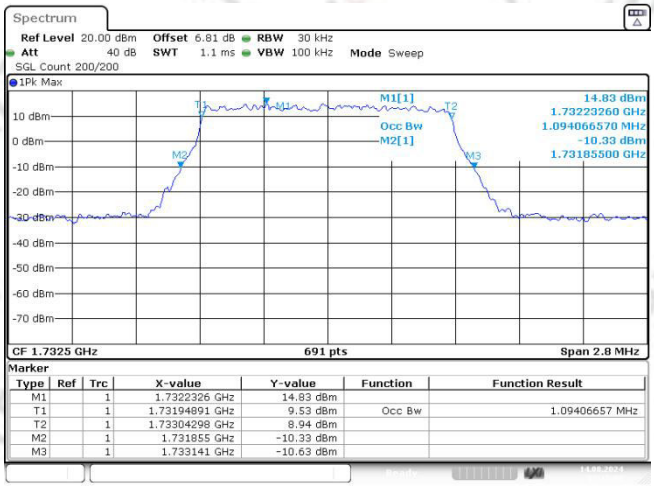


Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0

NVNT

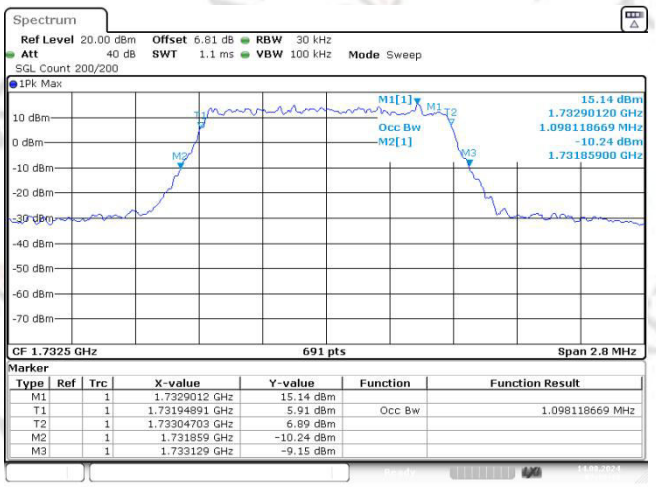
Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0

NVNT



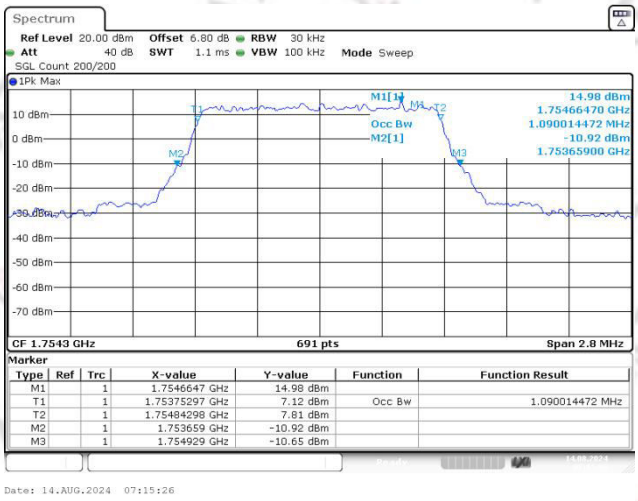
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

NVNT



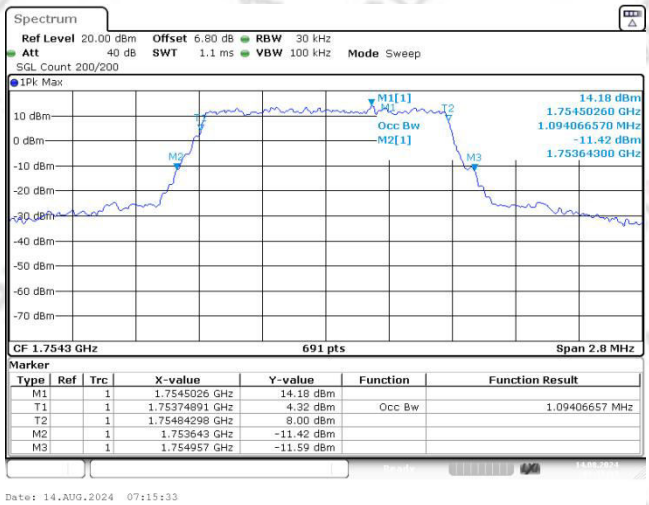
Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=6 Position=#0

NVNT



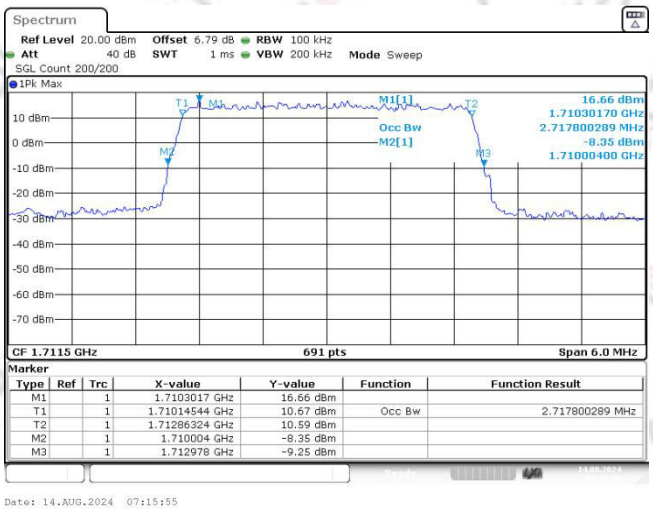
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

NVNT



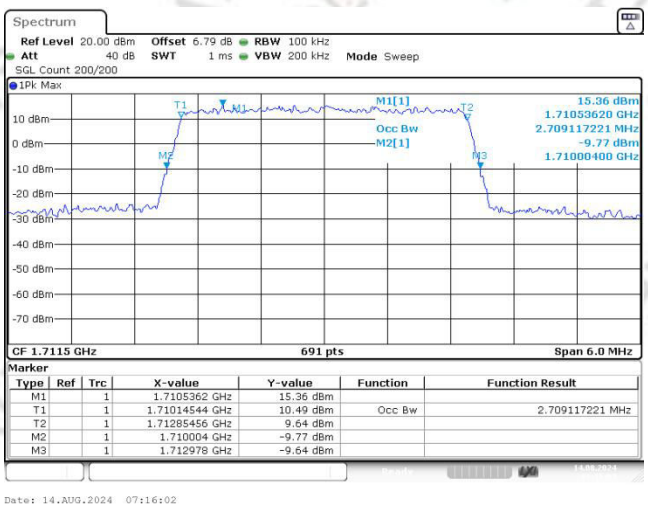
Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0

NVNT



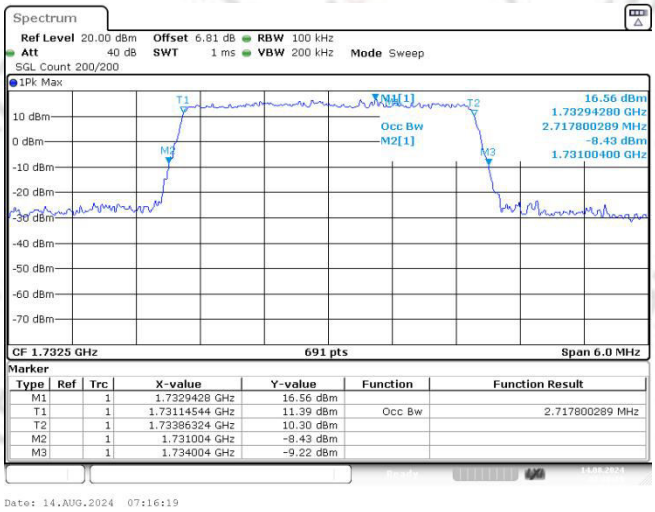
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

NVNT



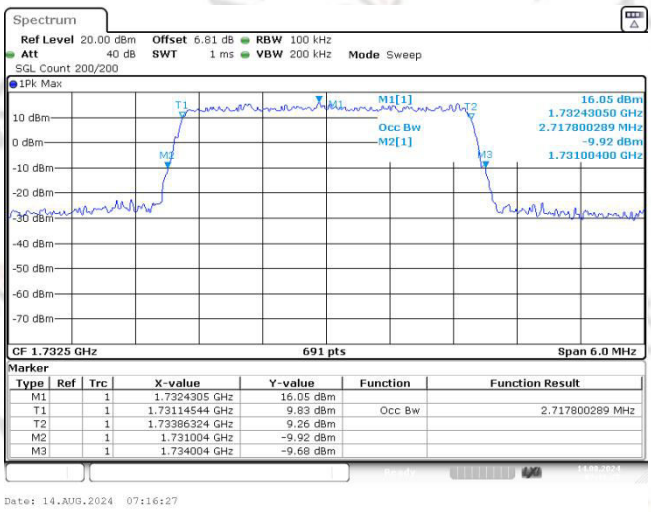
Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0

NVNT



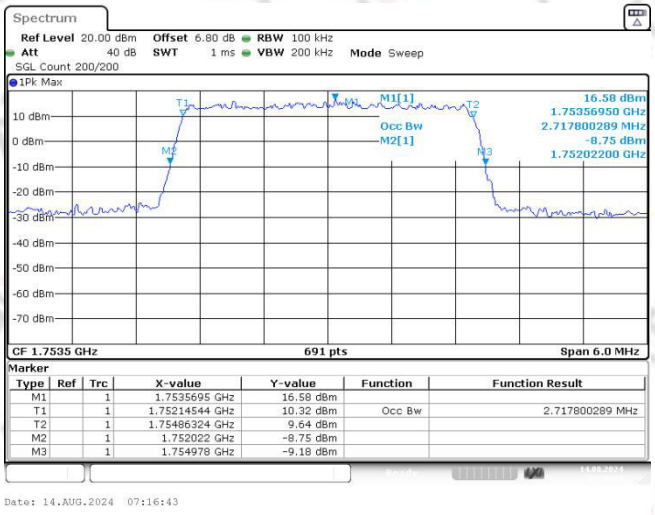
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

NVNT



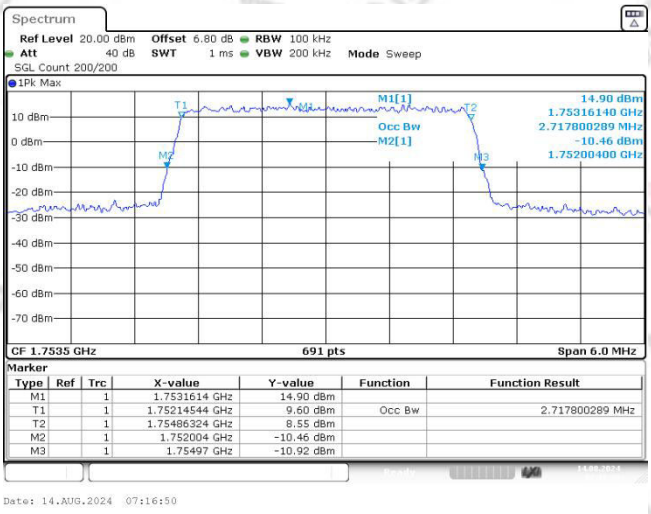
Band4 QAM16 BW=3MHz Channel=20175 RB Size=15 Position=#0

NVNT



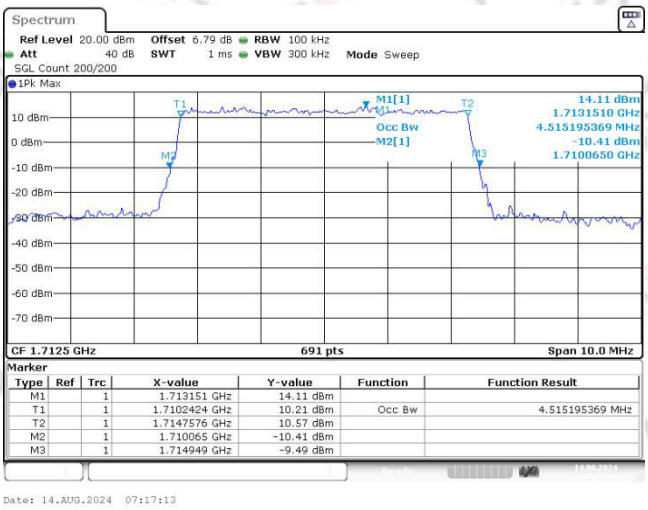
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

NVNT



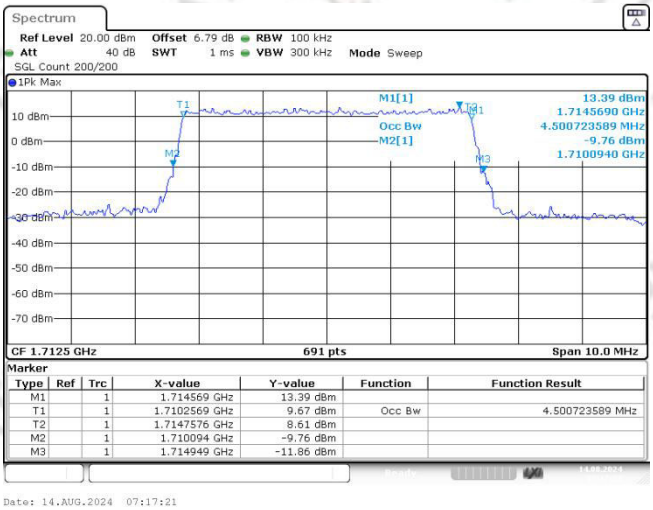
Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0

NVNT



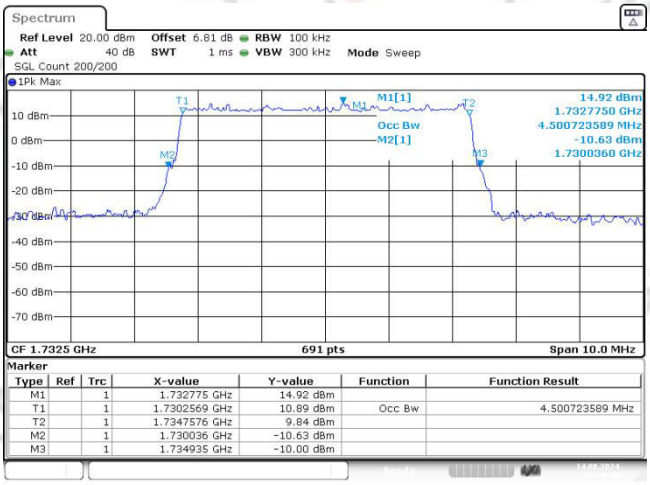
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

NVNT



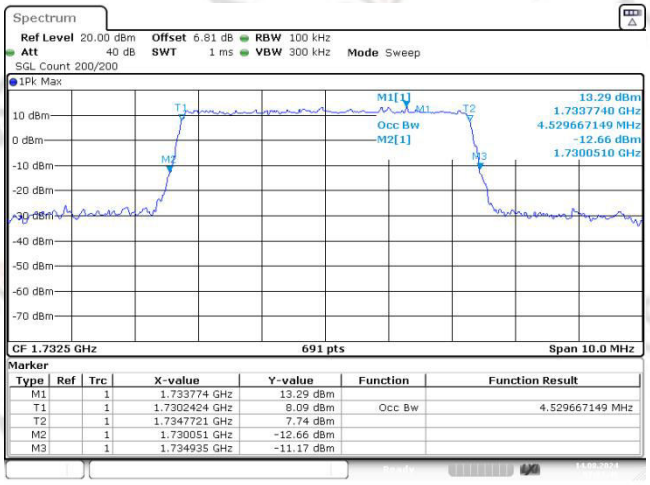
Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0

NVNT



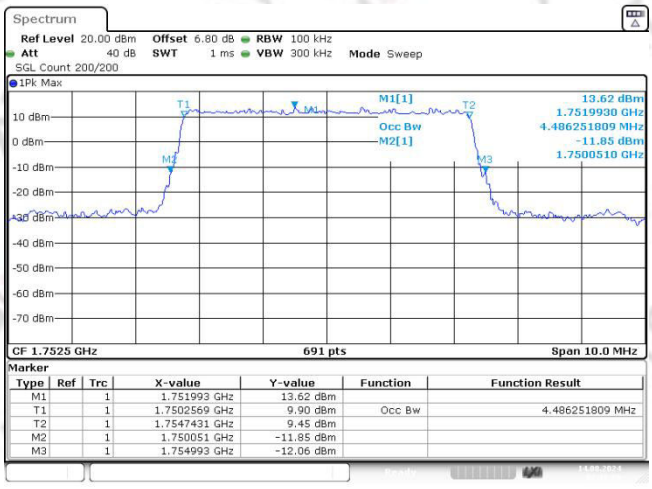
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

NVNT



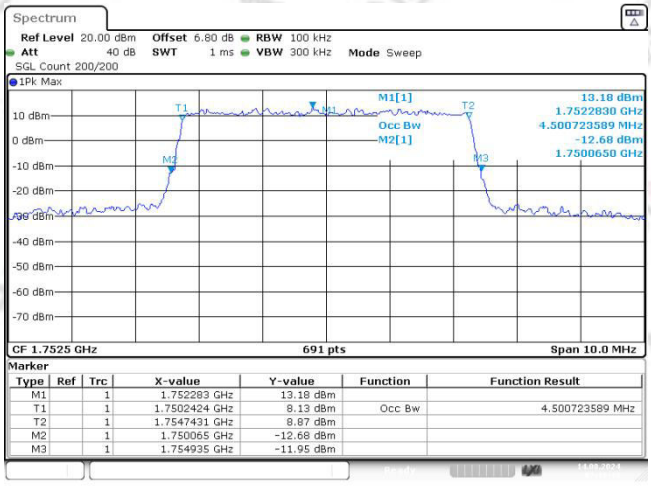
Band4 QAM16 BW=5MHz Channel=20175 RB Size=25 Position=#0

NVNT



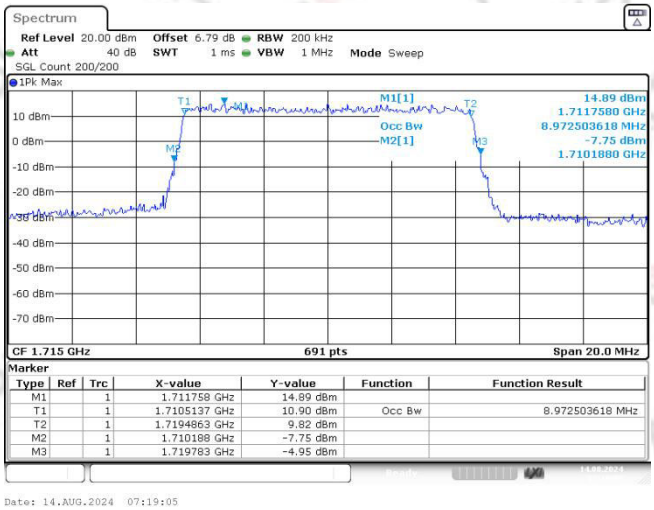
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

NVNT



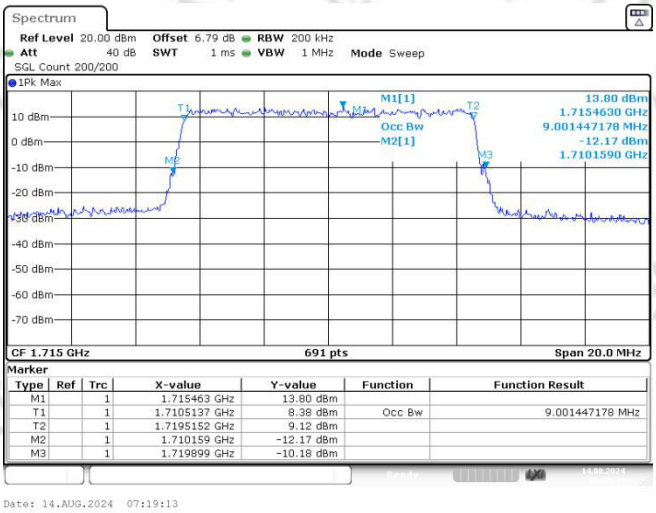
Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0

NVNT



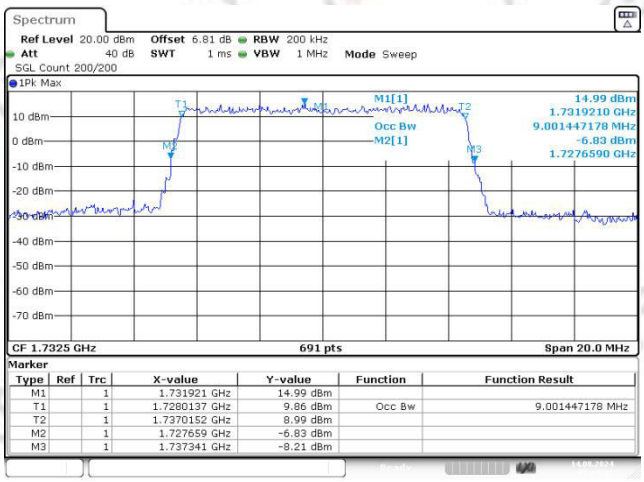
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

NVNT



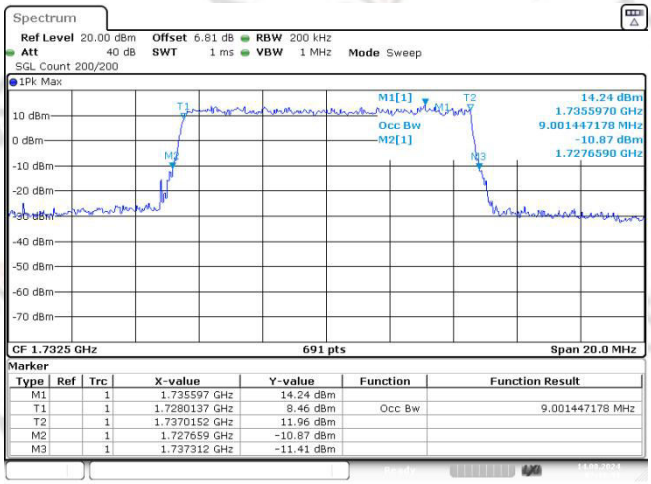
Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0

NVNT



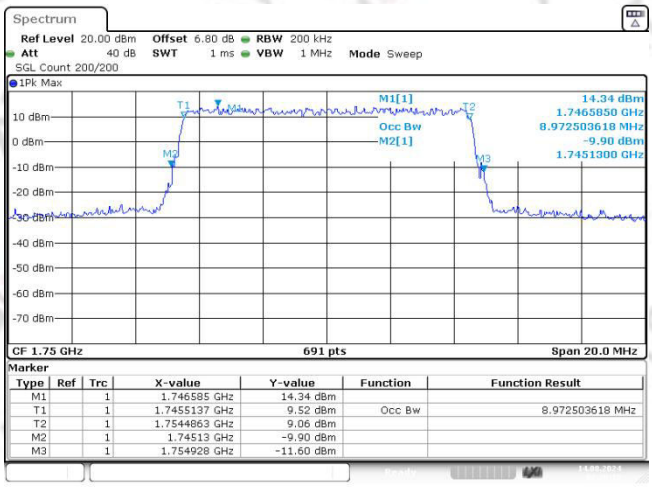
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

NVNT



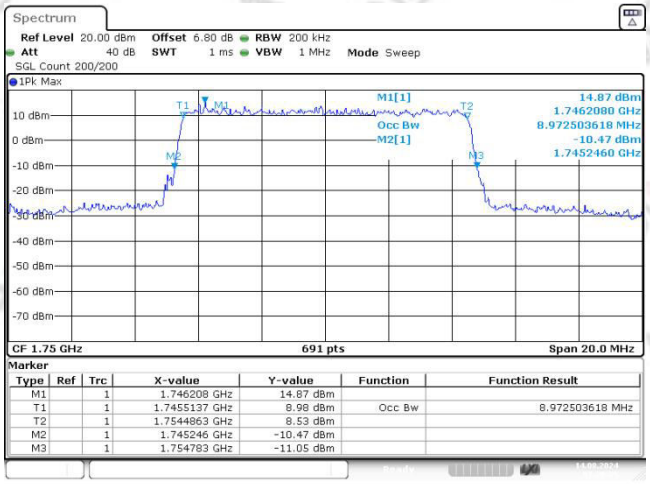
Band4 QAM16 BW=10MHz Channel=20175 RB Size=50 Position=#0

NVNT



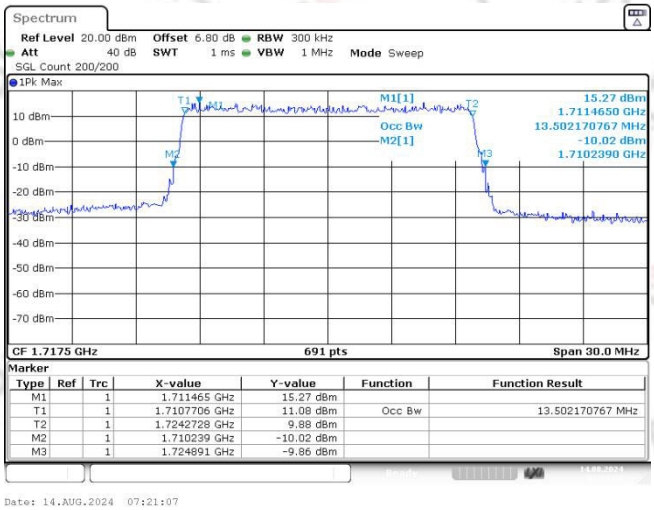
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

NVNT



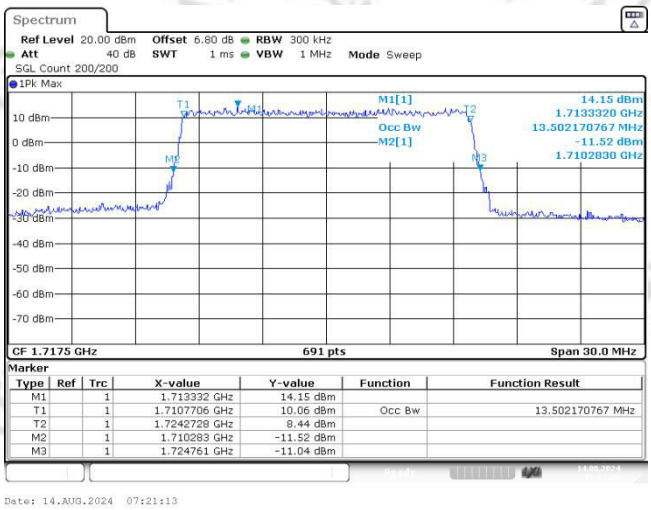
Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0

NVNT



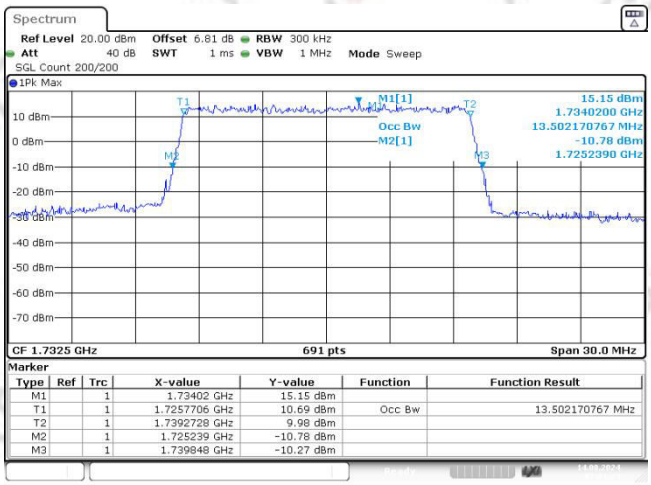
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

NVNT



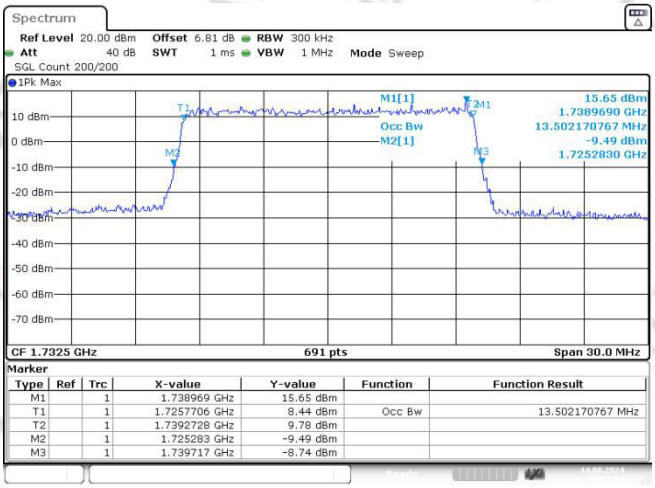
Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0

NVNT



Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

NVNT

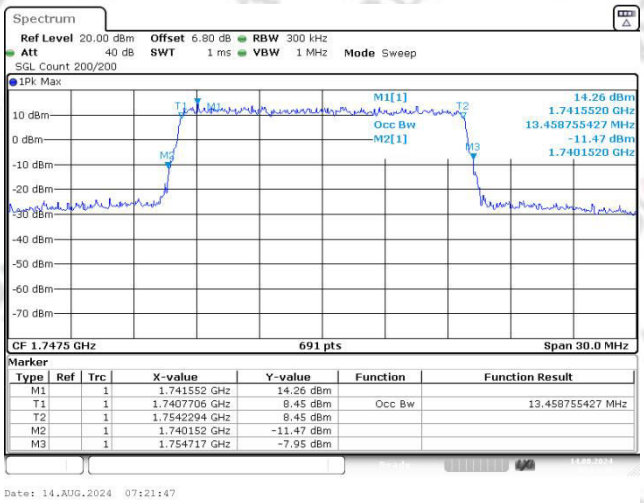


Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0

NVNT

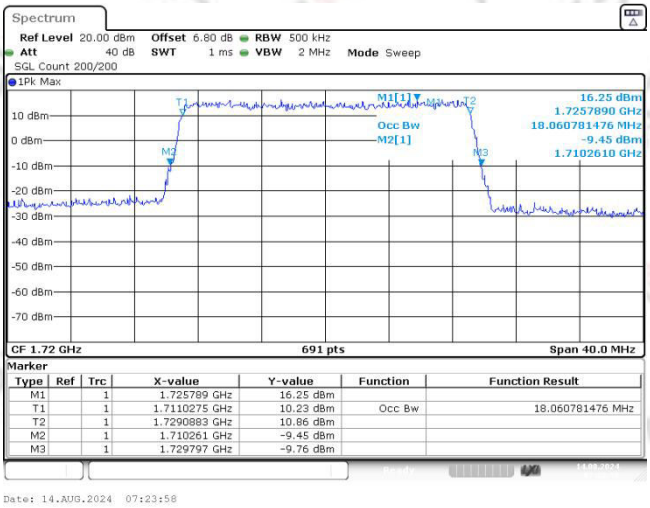
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

NVNT



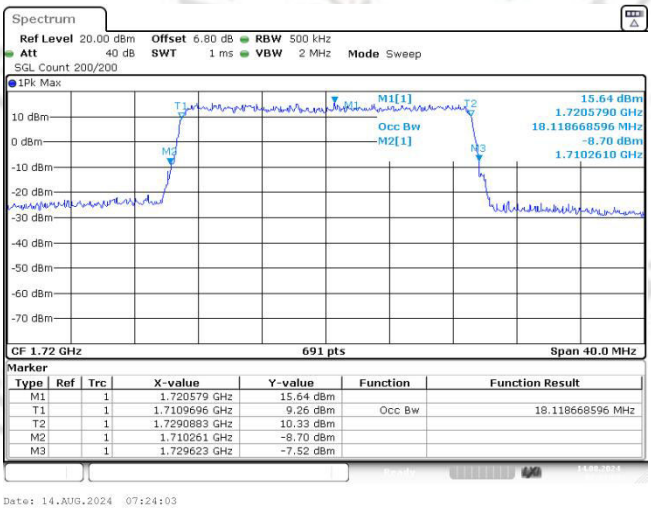
Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0

NVNT



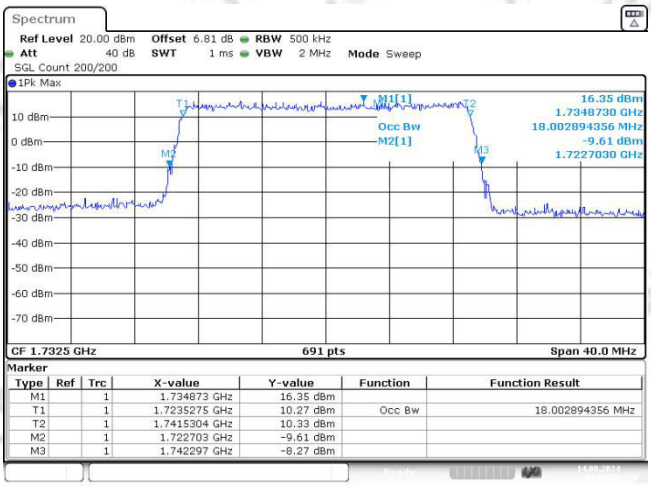
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

NVNT



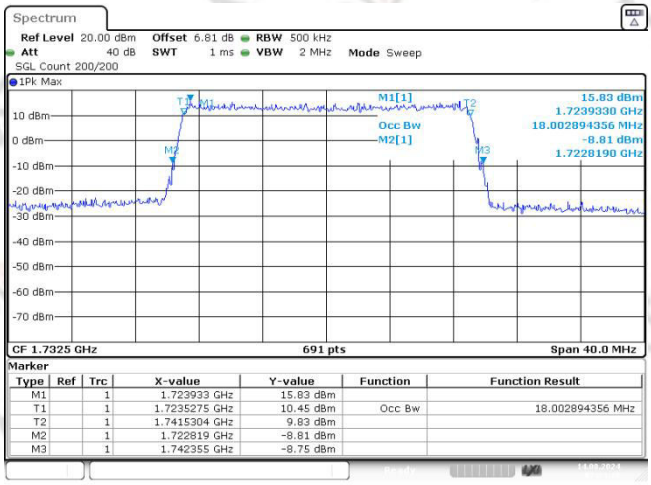
Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0

NVNT



Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

NVNT

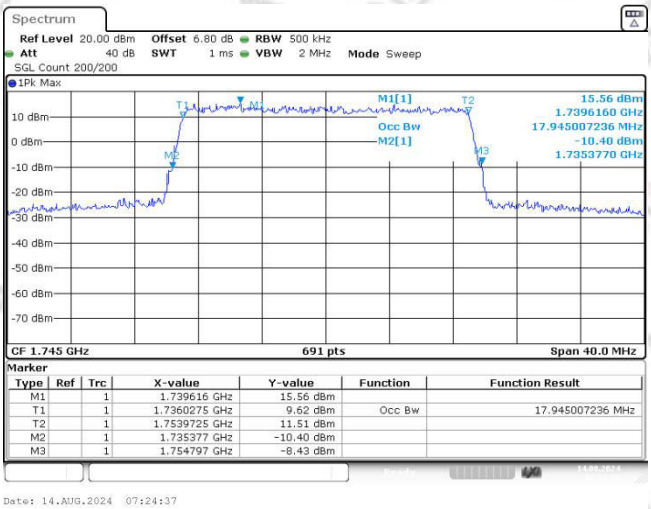


Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0

NVNT

Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0

NVNT



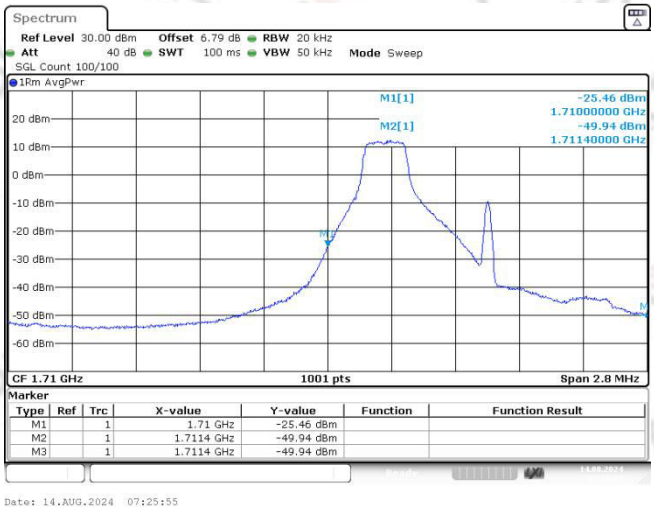
Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0

NVNT

05 Band edge

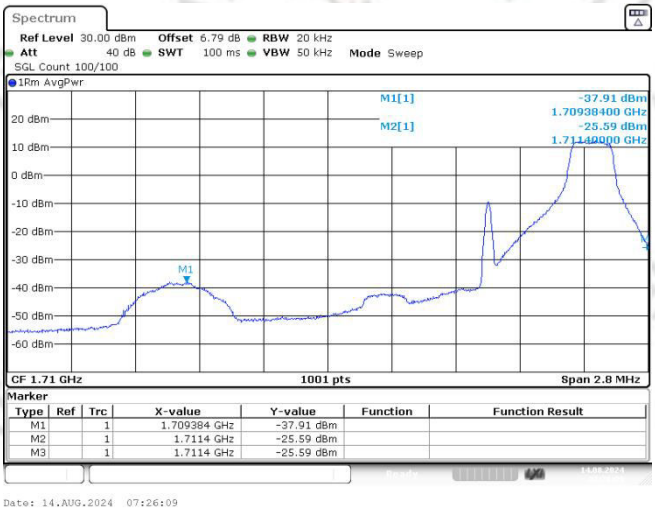
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	1	#0	QAM16	1710.00	-25.45	-13	PASS
NVNT	Band4	1.4	19957	1	#Max	QAM16	1709.38	-37.90	-13	PASS
NVNT	Band4	1.4	19957	6	#0	QAM16	1710.00	-32.55	-13	PASS
NVNT	Band4	1.4	20393	1	#0	QAM16	1755.60	-36.63	-13	PASS
NVNT	Band4	1.4	20393	1	#Max	QAM16	1755.00	-27.83	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QAM16	1755.00	-33.04	-13	PASS
NVNT	Band4	3	19965	1	#0	QAM16	1710.00	-24.29	-13	PASS
NVNT	Band4	3	19965	1	#Max	QAM16	1707.70	-35.53	-13	PASS
NVNT	Band4	3	19965	15	#0	QAM16	1710.00	-35.22	-13	PASS
NVNT	Band4	3	20385	1	#0	QAM16	1757.32	-34.68	-13	PASS
NVNT	Band4	3	20385	1	#Max	QAM16	1755.00	-24.90	-13	PASS
NVNT	Band4	3	20385	15	#0	QAM16	1755.00	-35.64	-13	PASS
NVNT	Band4	5	19975	1	#0	QAM16	1710.00	-22.02	-13	PASS
NVNT	Band4	5	19975	1	#Max	QAM16	1705.96	-34.60	-13	PASS
NVNT	Band4	5	19975	25	#0	QAM16	1710.00	-34.28	-13	PASS
NVNT	Band4	5	20375	1	#0	QAM16	1758.99	-32.89	-13	PASS
NVNT	Band4	5	20375	1	#Max	QAM16	1755.00	-21.92	-13	PASS
NVNT	Band4	5	20375	25	#0	QAM16	1755.00	-34.52	-13	PASS
NVNT	Band4	10	20000	1	#0	QAM16	1710.00	-24.54	-13	PASS
NVNT	Band4	10	20000	1	#Max	QAM16	1701.74	-33.08	-13	PASS
NVNT	Band4	10	20000	50	#0	QAM16	1710.00	-35.89	-13	PASS
NVNT	Band4	10	20350	1	#0	QAM16	1763.24	-29.86	-13	PASS
NVNT	Band4	10	20350	1	#Max	QAM16	1755.02	-24.72	-13	PASS
NVNT	Band4	10	20350	50	#0	QAM16	1755.00	-36.01	-13	PASS
NVNT	Band4	15	20025	1	#0	QAM16	1710.00	-24.05	-13	PASS
NVNT	Band4	15	20025	1	#Max	QAM16	1697.49	-32.53	-13	PASS
NVNT	Band4	15	20025	75	#0	QAM16	1710.00	-34.69	-13	PASS
NVNT	Band4	15	20325	1	#0	QAM16	1767.45	-29.01	-13	PASS
NVNT	Band4	15	20325	1	#Max	QAM16	1755.00	-24.99	-13	PASS
NVNT	Band4	15	20325	75	#0	QAM16	1755.00	-35.41	-13	PASS
NVNT	Band4	20	20050	1	#0	QAM16	1710.00	-27.95	-13	PASS
NVNT	Band4	20	20050	1	#Max	QAM16	1693.24	-38.45	-13	PASS
NVNT	Band4	20	20050	100	#0	QAM16	1709.96	-36.04	-13	PASS
NVNT	Band4	20	20300	1	#0	QAM16	1771.76	-29.84	-13	PASS
NVNT	Band4	20	20300	1	#Max	QAM16	1755.00	-28.74	-13	PASS
NVNT	Band4	20	20300	100	#0	QAM16	1755.00	-36.54	-13	PASS
NVNT	Band4	1.4	19957	1	#0	QPSK	1710.00	-25.52	-13	PASS
NVNT	Band4	1.4	19957	1	#Max	QPSK	1709.37	-36.34	-13	PASS
NVNT	Band4	1.4	19957	6	#0	QPSK	1710.00	-32.21	-13	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	1755.66	-35.41	-13	PASS

NVNT	Band4	1.4	20393	1	#Max	QPSK	1755.00	-25.55	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1755.00	-32.96	-13	PASS
NVNT	Band4	3	19965	1	#0	QPSK	1710.00	-23.46	-13	PASS
NVNT	Band4	3	19965	1	#Max	QPSK	1707.68	-34.54	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	1710.00	-34.66	-13	PASS
NVNT	Band4	3	20385	1	#0	QPSK	1757.29	-33.15	-13	PASS
NVNT	Band4	3	20385	1	#Max	QPSK	1755.00	-24.56	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	1755.00	-36.22	-13	PASS
NVNT	Band4	5	19975	1	#0	QPSK	1710.00	-21.78	-13	PASS
NVNT	Band4	5	19975	1	#Max	QPSK	1706.01	-33.16	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	1710.00	-33.48	-13	PASS
NVNT	Band4	5	20375	1	#0	QPSK	1758.94	-31.68	-13	PASS
NVNT	Band4	5	20375	1	#Max	QPSK	1755.00	-22.70	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	1755.01	-34.70	-13	PASS
NVNT	Band4	10	20000	1	#0	QPSK	1710.00	-23.98	-13	PASS
NVNT	Band4	10	20000	1	#Max	QPSK	1701.78	-31.46	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	1710.00	-36.05	-13	PASS
NVNT	Band4	10	20350	1	#0	QPSK	1763.22	-29.16	-13	PASS
NVNT	Band4	10	20350	1	#Max	QPSK	1755.00	-24.41	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	1755.00	-36.97	-13	PASS
NVNT	Band4	15	20025	1	#0	QPSK	1710.00	-23.61	-13	PASS
NVNT	Band4	15	20025	1	#Max	QPSK	1697.49	-31.46	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	1709.40	-33.79	-13	PASS
NVNT	Band4	15	20325	1	#0	QPSK	1767.48	-27.13	-13	PASS
NVNT	Band4	15	20325	1	#Max	QPSK	1755.00	-24.41	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	1755.03	-36.20	-13	PASS
NVNT	Band4	20	20050	1	#0	QPSK	1710.00	-28.25	-13	PASS
NVNT	Band4	20	20050	1	#Max	QPSK	1693.28	-36.59	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	1710.00	-35.71	-13	PASS
NVNT	Band4	20	20300	1	#0	QPSK	1771.72	-29.41	-13	PASS
NVNT	Band4	20	20300	1	#Max	QPSK	1755.00	-28.50	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	1755.00	-37.44	-13	PASS



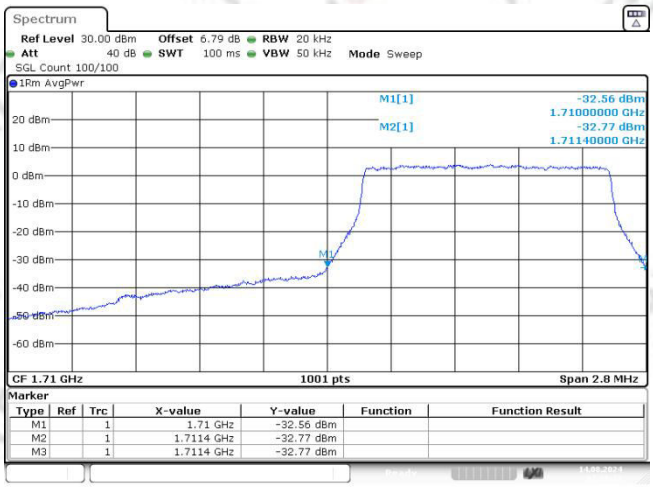
Band4 QAM16 BW=1.4MHz Channel=19957

RB Size=1 Position=#0 NVNT



Band4 QAM16 BW=1.4MHz Channel=19957

RB Size=1 Position=#Max NVNT

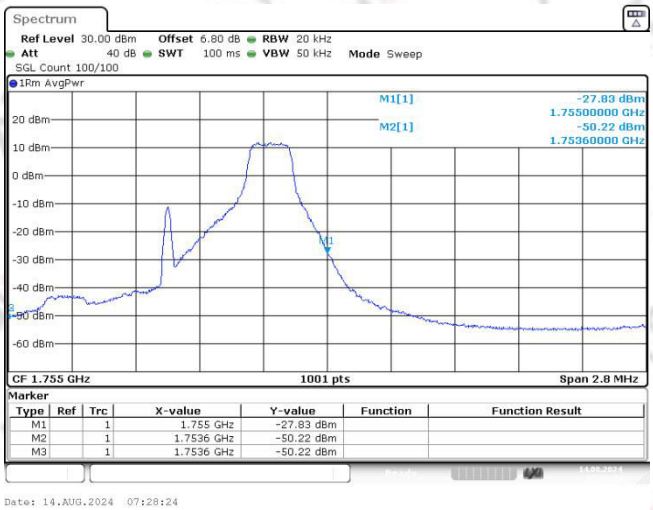


Band4 QAM16 BW=1.4MHz Channel=19957

RB Size=6 Position=#0 NVNT

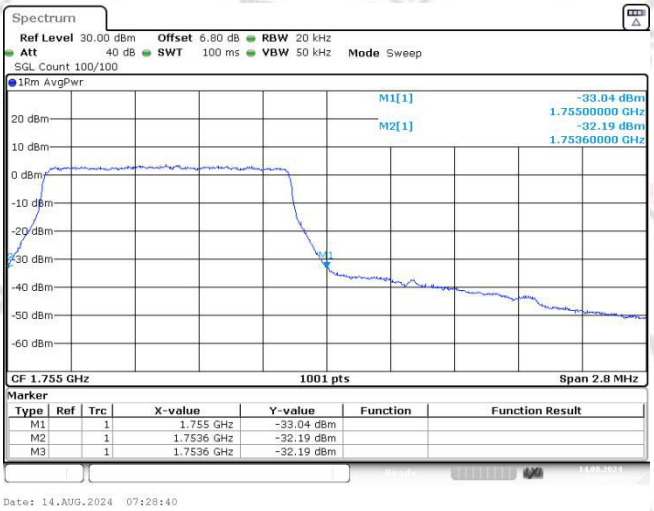
Band4 QAM16 BW=1.4MHz Channel=20393

RB Size=1 Position=#0 NVNT



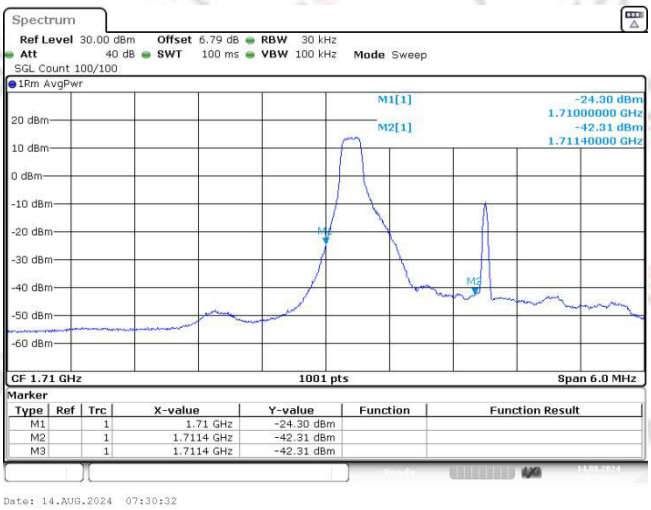
Band4 QAM16 BW=1.4MHz Channel=20393

RB Size=1 Position=#Max NVNT



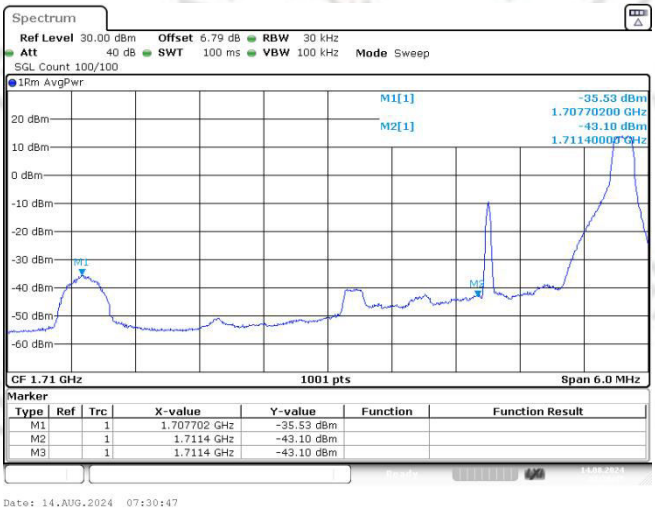
Band4 QAM16 BW=1.4MHz Channel=20393

RB Size=6 Position=#0 NVNT



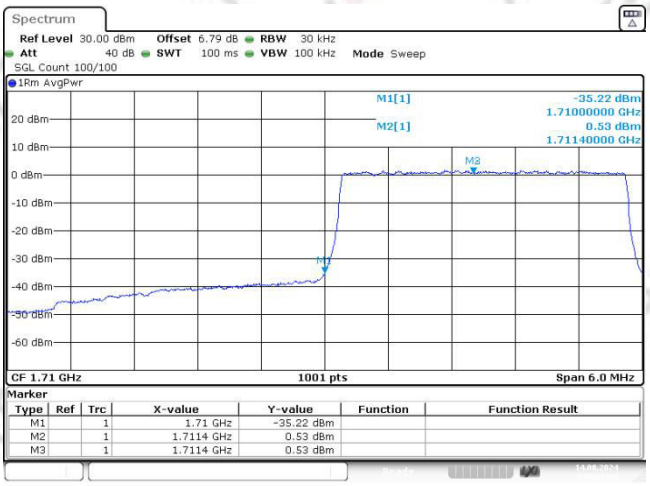
Band4 QAM16 BW=3MHz Channel=19965

RB Size=1 Position=#0 NVNT



Band4 QAM16 BW=3MHz Channel=19965

RB Size=1 Position=#Max NVNT

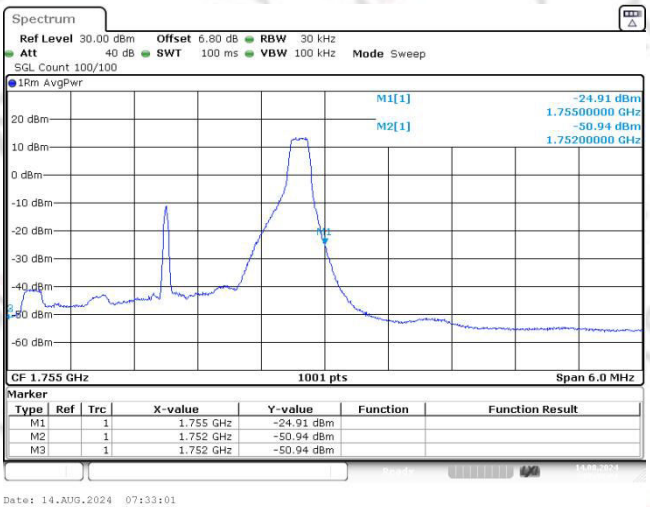


Band4 QAM16 BW=3MHz Channel=19965

RB Size=15 Position=#0 NVNT

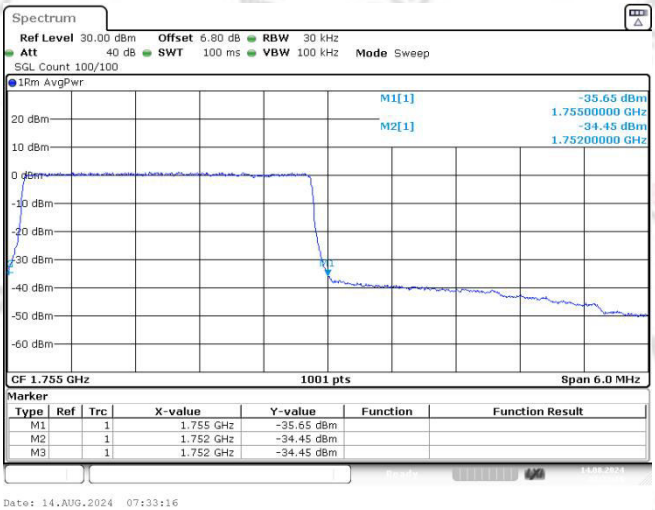
Band4 QAM16 BW=3MHz Channel=20385

RB Size=1 Position=#0 NVNT



Band4 QAM16 BW=3MHz Channel=20385

RB Size=1 Position=#Max NVNT



Band4 QAM16 BW=3MHz Channel=20385

RB Size=15 Position=#0 NVNT