

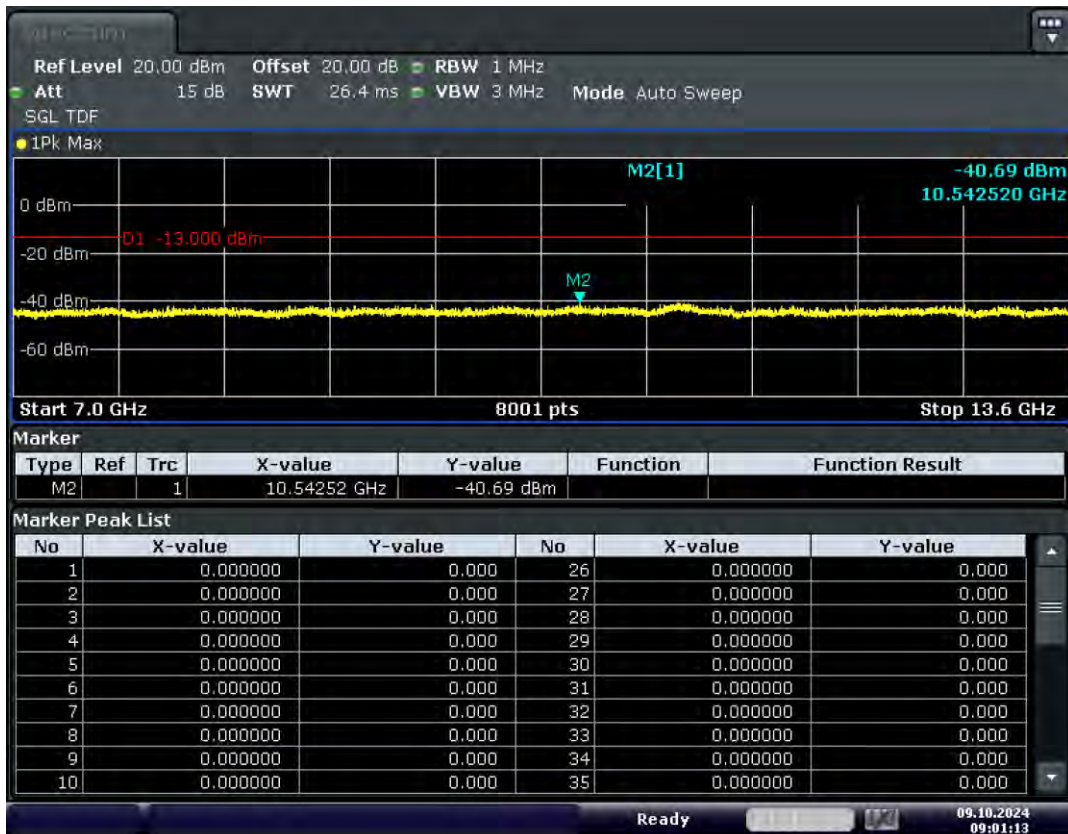
OB4-20-1745-QPSK-100#LOW@7GHz-13.6GHz@Pass



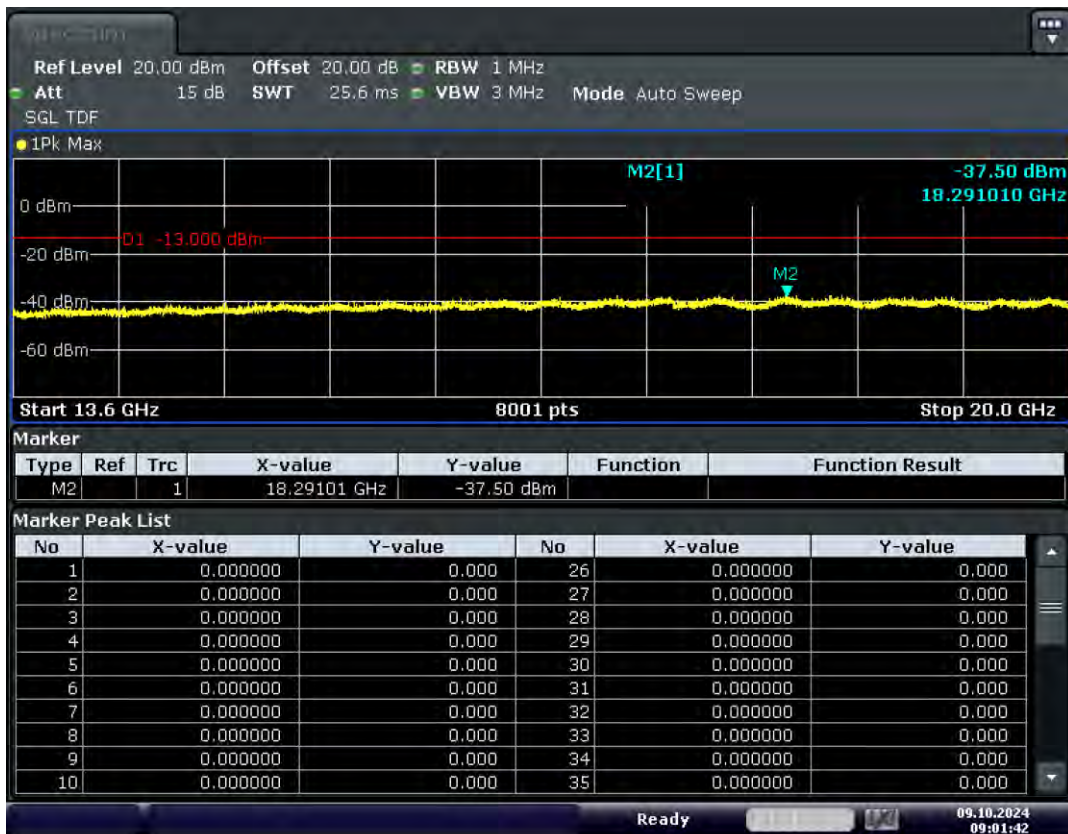
OB4-20-1745-QPSK-100#LOW@13.6GHz-20GHz@Pass



OB4-10-1715-QPSK-50#LOW@7GHz-13.6GHz@Pass



OB4-10-1715-QPSK-50#LOW@13.6GHz-20GHz@Pass



OB4-1.4-1710.7-QPSK-6#LOW@30MHz-1GHz@Pass



Emission bandwidth and OBW

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth(MHz)	Emission Bandwidth(MHz)	Limit
Band4	1.4	1710.7	QPSK	6	LOW	1.103	1.29	No limit
Band4	1.4	1710.7	16QAM	6	LOW	1.099	1.29	No limit
Band4	1.4	1732.5	QPSK	6	LOW	1.118	1.334	No limit
Band4	1.4	1732.5	16QAM	6	LOW	1.099	1.305	No limit
Band4	1.4	1754.3	QPSK	6	LOW	1.129	1.338	No limit
Band4	1.4	1754.3	16QAM	6	LOW	1.114	1.323	No limit
Band4	3	1711.5	QPSK	15	LOW	2.717	2.967	No limit
Band4	3	1711.5	16QAM	15	LOW	2.711	2.964	No limit
Band4	3	1732.5	QPSK	15	LOW	2.723	2.997	No limit
Band4	3	1732.5	16QAM	15	LOW	2.723	3	No limit
Band4	3	1753.5	QPSK	15	LOW	2.732	2.961	No limit
Band4	3	1753.5	16QAM	15	LOW	2.72	3.009	No limit
Band4	5	1712.5	QPSK	25	LOW	4.573	5.05	No limit
Band4	5	1712.5	16QAM	25	LOW	4.578	5.035	No limit
Band4	5	1732.5	QPSK	25	LOW	4.568	5.065	No limit
Band4	5	1732.5	16QAM	25	LOW	4.573	5.005	No limit
Band4	5	1752.5	QPSK	25	LOW	4.583	5.05	No limit

Band4	5	1752.5	16QAM	25	LOW	4.643	5.655	No limit
Band4	10	1715	QPSK	50	LOW	5.237	6.06	No limit
Band4	10	1715	16QAM	27	LOW	5.237	6.14	No limit
Band4	10	1732.5	QPSK	50	LOW	9.205	10.23	No limit
Band4	10	1732.5	16QAM	27	LOW	5.247	6.13	No limit
Band4	10	1750	QPSK	50	LOW	9.215	10.42	No limit
Band4	10	1750	16QAM	27	LOW	5.327	7.39	No limit
Band4	15	1717.5	QPSK	75	LOW	5.232	6.135	No limit
Band4	15	1717.5	16QAM	27	LOW	5.247	6.135	No limit
Band4	15	1732.5	QPSK	75	LOW	13.568	14.745	No limit
Band4	15	1732.5	16QAM	27	LOW	5.247	6.195	No limit
Band4	15	1747.5	QPSK	75	LOW	13.658	16.83	No limit
Band4	15	1747.5	16QAM	27	LOW	5.352	7.305	No limit
Band4	20	1720	QPSK	100	LOW	5.997	7.7	No limit
Band4	20	1720	16QAM	27	LOW	5.957	7.38	No limit
Band4	20	1732.5	QPSK	100	LOW	18.371	20.3	No limit
Band4	20	1732.5	16QAM	27	LOW	5.977	7.28	No limit
Band4	20	1745	QPSK	100	LOW	18.471	25.54	No limit
Band4	20	1745	16QAM	27	LOW	6.077	10.68	No limit

Band4-1.4-1710.7-QPSK-6#LOW@26dB and 99PCT Bandwidth



Band4-1.4-1710.7-16QAM-6#LOW@26dB and 99PCT Bandwidth



Band4-1.4-1732.5-QPSK-6#LOW@26dB and 99PCT Bandwidth



Band4-1.4-1732.5-16QAM-6#LOW@26dB and 99PCT Bandwidth



Band4-1.4-1754.3-QPSK-6#LOW@26dB and 99PCT Bandwidth



Band4-1.4-1754.3-16QAM-6#LOW@26dB and 99PCT Bandwidth



Band4-3-1711.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



Band4-3-1711.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



Band4-3-1732.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



Band4-3-1732.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



Band4-3-1753.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



Band4-3-1753.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



Band4-5-1712.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



Band4-5-1712.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



Band4-5-1732.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



Band4-5-1732.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



Band4-5-1752.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



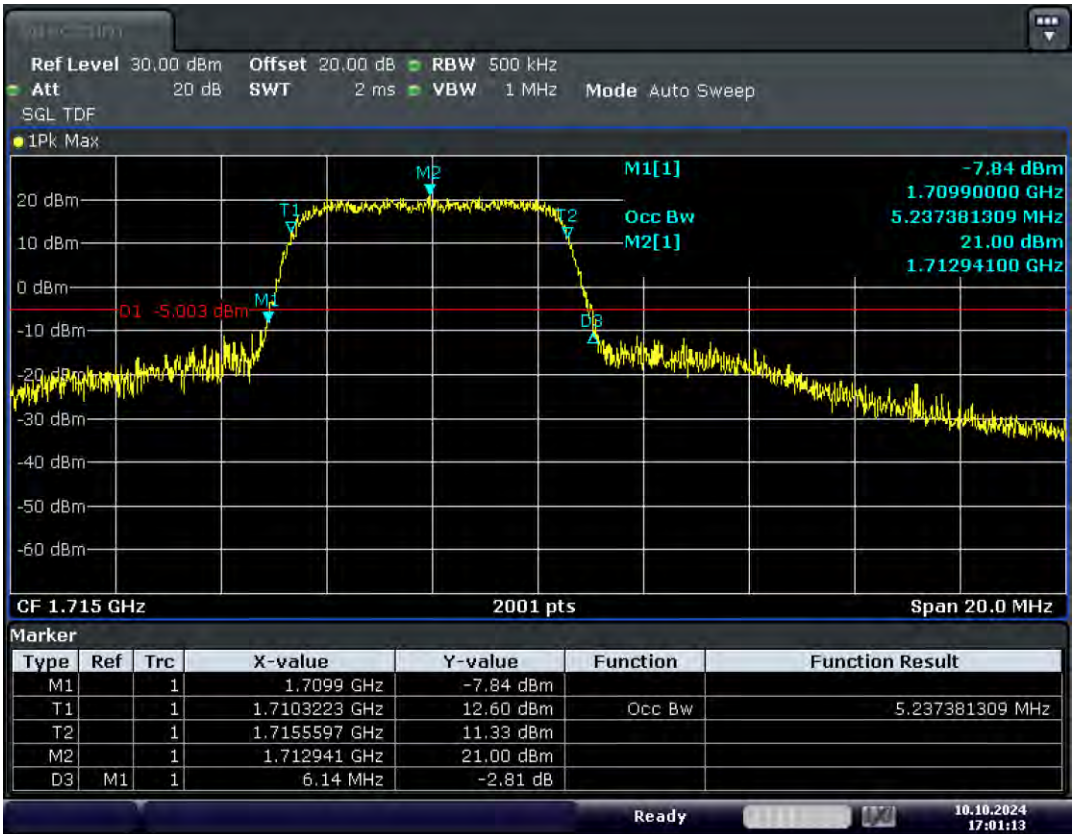
Band4-5-1752.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



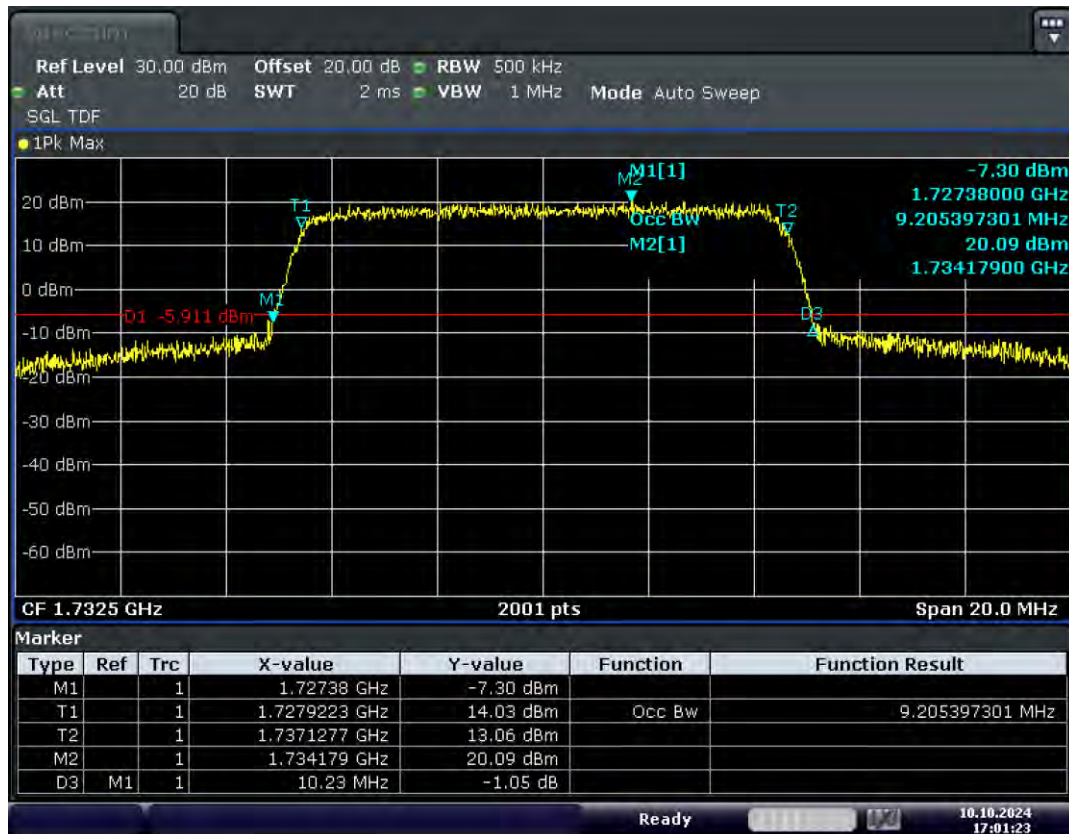
Band4-10-1715-QPSK-50#LOW@26dB and 99PCT Bandwidth



Band4-10-1715-16QAM-27#LOW@26dB and 99PCT Bandwidth



Band4-10-1732.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



Band4-10-1732.5-16QAM-27#LOW@26dB and 99PCT Bandwidth



Band4-10-1750-QPSK-50#LOW@26dB and 99PCT Bandwidth



Band4-10-1750-16QAM-27#LOW@26dB and 99PCT Bandwidth



Band4-15-1717.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



Band4-15-1717.5-16QAM-27#LOW@26dB and 99PCT Bandwidth



Top Control Bar:

- Ref Level: 30.00 dBm
- Offset: 20.00 dB
- RBW: 500 kHz
- Att: 20 dB
- SWT: 2 ms
- VBW: 2 MHz
- Mode: Auto Sweep

SQL TDF: 1Pk Max

Marker Data:

Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1			1	1.725135 GHz	-9.27 dBm		
T1			1	1.7257384 GHz	13.72 dBm	Occ Bw	13.568215892 MHz
T2			1	1.7393066 GHz	12.32 dBm		
M2			1	1.73349 GHz	19.59 dBm		
D3	M1		1	14.745 MHz	1.50 dB		

Ref Level 30.00 dBm Offset 20.00 dB RBW 500 kHz
 Att 20 dB SWT 2 ms VBW 2 MHz Mode Auto Sweep
 SGL TDF
 1Pk Max

20 dBm
 10 dBm
 0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm
 -50 dBm
 -60 dBm

M1[1] -5.05 dBm
 1.7251200 GHz
 Occ Bw 5.247376312 MHz
 M2[1] 21.50 dBm
 1.7297260 GHz

D1 -4.496 dBm

CF 1.7325 GHz 2001 pts Span 30.0 MHz

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72512 GHz	-5.05 dBm		
T1		1	1.7255885 GHz	10.87 dBm	Occ Bw	5.247376312 MHz
T2		1	1.7308358 GHz	12.92 dBm		
M2		1	1.729726 GHz	21.50 dBm		
D3	M1	1	6.195 MHz	-3.71 dB		

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Band4-15-1747.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



Band4-15-1747.5-16QAM-27#LOW@26dB and 99PCT Bandwidth



Band4-20-1720-QPSK-100#LOW@26dB and 99PCT Bandwidth



Band4-20-1720-16QAM-27#LOW@26dB and 99PCT Bandwidth



Band4-20-1732.5-QPSK-100#LOW@26dB and 99PCT Bandwidth



Band4-20-1732.5-16QAM-27#LOW@26dB and 99PCT Bandwidth



Ref Level 30.00 dBm **Offset** 20.00 dB **RBW** 1 MHz
Att 20 dB **SWT** 2 ms **VBW** 2 MHz **Mode** Auto Sweep

SQL TDF
 1Pk Max

CF 1.745 GHz **2001 pts** **Span** 40.0 MHz

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72966 GHz	-7.09 dBm		
T1		1	1.7357046 GHz	11.38 dBm	Occ Bw	18.470764618 MHz
T2		1	1.7541754 GHz	12.07 dBm		
M2		1	1.737644 GHz	20.04 dBm		
D3	M1	1	25.54 MHz	0.95 dB		

Ref Level 30,00 dBm **Offset** 20,00 dB **RBW** 1 MHz
Att 20 dB **SWT** 2 ms **VBW** 2 MHz **Mode** Auto Sweep
SGL TDF
1Pk Max

Marker Data:

Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	1	1.73344 GHz	-3.30 dBm		
T1	1	1	1	1.7354248 GHz	10.62 dBm	Occ Bw	6.076961519 MHz
T2	1	1	1	1.7415017 GHz	12.88 dBm		
M2	1	1	1	1.740582 GHz	23.02 dBm		
D3	M1	1	1	10.68 MHz	-3.21 dB		

CF 1.745 GHz **2001 pts** **Span 40.0 MHz**

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0684	PASS
40	Normal Voltage	0.0351	
30	Normal Voltage	0.0168	
20(Ref.)	Normal Voltage	0.0297	
10	Normal Voltage	0.0613	
0	Normal Voltage	0.0178	
-10	Normal Voltage	0.0407	
-20	Normal Voltage	0.0324	
-30	Normal Voltage	0.0181	
20	Maximum Voltage	0.0186	
20	Normal Voltage	0.0277	
20	Battery End Point	0.0642	

Peak and Average Power

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Average Power	Peak Power	Peak to Average(dB)	limit(dB)	AntGain(dBi)	EIRP(dBm)	Limit(dBm)	Conclusion
Band4	1.4	1710.7	QPSK	6	LOW	20.84	26.39	5.55	13	1.72	22.56	30	Pass
Band4	1.4	1710.7	QPSK	3	LOW	21.19	26.03	4.84	13	1.72	22.91	30	Pass
Band4	1.4	1710.7	QPSK	3	MID	21.59	26.26	4.67	13	1.72	23.31	30	Pass
Band4	1.4	1710.7	QPSK	3	HIGH	20.83	26.11	5.28	13	1.72	22.55	30	Pass
Band4	1.4	1710.7	QPSK	1	LOW	20.66	25.66	5	13	1.72	22.38	30	Pass
Band4	1.4	1710.7	QPSK	1	MID	21.88	26.21	4.33	13	1.72	23.6	30	Pass
Band4	1.4	1710.7	QPSK	1	HIGH	21.6	25.89	4.29	13	1.72	23.32	30	Pass
Band4	1.4	1710.7	16QAM	6	LOW	19.58	26.34	6.76	13	1.72	21.3	30	Pass
Band4	1.4	1710.7	16QAM	3	LOW	20.33	25.95	5.62	13	1.72	22.05	30	Pass
Band4	1.4	1710.7	16QAM	3	MID	20.53	26.11	5.58	13	1.72	22.25	30	Pass
Band4	1.4	1710.7	16QAM	3	HIGH	20.56	26.46	5.9	13	1.72	22.28	30	Pass
Band4	1.4	1710.7	16QAM	1	LOW	20.05	25.11	5.06	13	1.72	21.77	30	Pass
Band4	1.4	1710.7	16QAM	1	MID	20.64	26.08	5.44	13	1.72	22.36	30	Pass
Band4	1.4	1710.7	16QAM	1	HIGH	20.83	25.97	5.14	13	1.72	22.55	30	Pass
Band4	1.4	1732.5	QPSK	6	LOW	20.32	27.53	7.21	13	1.72	22.04	30	Pass
Band4	1.4	1732.5	QPSK	3	LOW	22.19	28.22	6.03	13	1.72	23.91	30	Pass
Band4	1.4	1732.5	QPSK	3	MID	21.5	27.97	6.47	13	1.72	23.22	30	Pass
Band4	1.4	1732.5	QPSK	3	HIGH	21.61	28.53	6.92	13	1.72	23.33	30	Pass
Band4	1.4	1732.5	QPSK	1	LOW	21.31	26.62	5.31	13	1.72	23.03	30	Pass

Band4	1.4	1732.5	QPSK	1	MID	22.1	27.84	5.74	13	1.72	23.82	30	Pass
Band4	1.4	1732.5	QPSK	1	HIGH	21.46	27.03	5.57	13	1.72	23.18	30	Pass
Band4	1.4	1732.5	16QAM	6	LOW	19.7	27.28	7.58	13	1.72	21.42	30	Pass
Band4	1.4	1732.5	16QAM	3	LOW	20.65	28.2	7.55	13	1.72	22.37	30	Pass
Band4	1.4	1732.5	16QAM	3	MID	21.04	28.81	7.77	13	1.72	22.76	30	Pass
Band4	1.4	1732.5	16QAM	3	HIGH	21.44	28.38	6.94	13	1.72	23.16	30	Pass
Band4	1.4	1732.5	16QAM	1	LOW	20.78	27.2	6.42	13	1.72	22.5	30	Pass
Band4	1.4	1732.5	16QAM	1	MID	21.18	26.47	5.29	13	1.72	22.9	30	Pass
Band4	1.4	1732.5	16QAM	1	HIGH	21.12	27.01	5.89	13	1.72	22.84	30	Pass
Band4	1.4	1754.3	QPSK	6	LOW	20.26	26.77	6.51	13	1.72	21.98	30	Pass
Band4	1.4	1754.3	QPSK	3	LOW	21.64	27.12	5.48	13	1.72	23.36	30	Pass
Band4	1.4	1754.3	QPSK	3	MID	21.83	27.42	5.59	13	1.72	23.55	30	Pass
Band4	1.4	1754.3	QPSK	3	HIGH	21.31	27.08	5.77	13	1.72	23.03	30	Pass
Band4	1.4	1754.3	QPSK	1	LOW	21.08	26.42	5.34	13	1.72	22.8	30	Pass
Band4	1.4	1754.3	QPSK	1	MID	21.46	25.75	4.29	13	1.72	23.18	30	Pass
Band4	1.4	1754.3	QPSK	1	HIGH	21.16	26.14	4.98	13	1.72	22.88	30	Pass
Band4	1.4	1754.3	16QAM	6	LOW	19.82	25.98	6.16	13	1.72	21.54	30	Pass
Band4	1.4	1754.3	16QAM	3	LOW	20.24	26.57	6.33	13	1.72	21.96	30	Pass
Band4	1.4	1754.3	16QAM	3	MID	20.4	27.51	7.11	13	1.72	22.12	30	Pass
Band4	1.4	1754.3	16QAM	3	HIGH	20.37	26.98	6.61	13	1.72	22.09	30	Pass
Band4	1.4	1754.3	16QAM	1	LOW	20.54	25.39	4.85	13	1.72	22.26	30	Pass
Band4	1.4	1754.3	16QAM	1	MID	20.27	24.99	4.72	13	1.72	21.99	30	Pass
Band4	1.4	1754.3	16QAM	1	HIGH	20.54	25.76	5.22	13	1.72	22.26	30	Pass
Band4	3	1711.5	QPSK	15	LOW	20.66	27.51	6.85	13	1.72	22.38	30	Pass
Band4	3	1711.5	QPSK	8	LOW	20.37	25.76	5.39	13	1.72	22.09	30	Pass
Band4	3	1711.5	QPSK	8	MID	20.6	26.83	6.23	13	1.72	22.32	30	Pass
Band4	3	1711.5	QPSK	8	HIGH	20.37	27.07	6.7	13	1.72	22.09	30	Pass
Band4	3	1711.5	QPSK	1	LOW	21.61	25.62	4.01	13	1.72	23.33	30	Pass
Band4	3	1711.5	QPSK	1	MID	21.04	25.94	4.9	13	1.72	22.76	30	Pass
Band4	3	1711.5	QPSK	1	HIGH	21.81	26.15	4.34	13	1.72	23.53	30	Pass
Band4	3	1711.5	16QAM	15	LOW	19.58	26.89	7.31	13	1.72	21.3	30	Pass
Band4	3	1711.5	16QAM	15	MID	19.86	27.18	7.32	13	1.72	21.58	30	Pass
Band4	3	1711.5	16QAM	15	HIGH	19.31	26.81	7.5	13	1.72	21.03	30	Pass
Band4	3	1711.5	16QAM	1	LOW	20.33	25.54	5.21	13	1.72	22.05	30	Pass
Band4	3	1711.5	16QAM	1	MID	20.16	24.59	4.43	13	1.72	21.88	30	Pass
Band4	3	1711.5	16QAM	1	HIGH	20.61	26.14	5.53	13	1.72	22.33	30	Pass
Band4	3	1732.5	QPSK	15	LOW	20.59	28.75	8.16	13	1.72	22.31	30	Pass
Band4	3	1732.5	QPSK	8	LOW	20.68	27.99	7.31	13	1.72	22.4	30	Pass
Band4	3	1732.5	QPSK	8	MID	20.71	28.02	7.31	13	1.72	22.43	30	Pass
Band4	3	1732.5	QPSK	8	HIGH	20.48	27.46	6.98	13	1.72	22.2	30	Pass
Band4	3	1732.5	QPSK	1	LOW	21.38	26.02	4.64	13	1.72	23.1	30	Pass
Band4	3	1732.5	QPSK	1	MID	21.54	27.02	5.48	13	1.72	23.26	30	Pass
Band4	3	1732.5	QPSK	1	HIGH	21.39	26.84	5.45	13	1.72	23.11	30	Pass
Band4	3	1732.5	16QAM	15	LOW	19.59	27.21	7.62	13	1.72	21.31	30	Pass
Band4	3	1732.5	16QAM	15	MID	19.72	27.69	7.97	13	1.72	21.44	30	Pass
Band4	3	1732.5	16QAM	15	HIGH	19.09	27.2	8.11	13	1.72	20.81	30	Pass
Band4	3	1732.5	16QAM	1	LOW	21.33	27.65	6.32	13	1.72	23.05	30	Pass

Band4	3	1732.5	16QAM	1	MID	21.3	27.52	6.22	13	1.72	23.02	30	Pass
Band4	3	1732.5	16QAM	1	HIGH	21.04	26.71	5.67	13	1.72	22.76	30	Pass
Band4	3	1753.5	QPSK	15	LOW	19.59	26.3	6.71	13	1.72	21.31	30	Pass
Band4	3	1753.5	QPSK	8	LOW	20.23	26.69	6.46	13	1.72	21.95	30	Pass
Band4	3	1753.5	QPSK	8	MID	19.98	26.81	6.83	13	1.72	21.7	30	Pass
Band4	3	1753.5	QPSK	8	HIGH	20.29	27.32	7.03	13	1.72	22.01	30	Pass
Band4	3	1753.5	QPSK	1	LOW	21.09	26.48	5.39	13	1.72	22.81	30	Pass
Band4	3	1753.5	QPSK	1	MID	21.33	26.3	4.97	13	1.72	23.05	30	Pass
Band4	3	1753.5	QPSK	1	HIGH	21.44	26.71	5.27	13	1.72	23.16	30	Pass
Band4	3	1753.5	16QAM	15	LOW	18.98	26.17	7.19	13	1.72	20.7	30	Pass
Band4	3	1753.5	16QAM	15	MID	19.15	26.53	7.38	13	1.72	20.87	30	Pass
Band4	3	1753.5	16QAM	15	HIGH	19.28	27.26	7.98	13	1.72	21	30	Pass
Band4	3	1753.5	16QAM	1	LOW	20.67	26.2	5.53	13	1.72	22.39	30	Pass
Band4	3	1753.5	16QAM	1	MID	19.86	25.54	5.68	13	1.72	21.58	30	Pass
Band4	3	1753.5	16QAM	1	HIGH	20.64	26.13	5.49	13	1.72	22.36	30	Pass
Band4	5	1712.5	QPSK	25	LOW	20.28	27.18	6.9	13	1.72	22	30	Pass
Band4	5	1712.5	QPSK	12	LOW	19.84	26.55	6.71	13	1.72	21.56	30	Pass
Band4	5	1712.5	QPSK	12	MID	20.2	26	5.8	13	1.72	21.92	30	Pass
Band4	5	1712.5	QPSK	12	HIGH	19.62	25.62	6	13	1.72	21.34	30	Pass
Band4	5	1712.5	QPSK	1	LOW	21.22	26.58	5.36	13	1.72	22.94	30	Pass
Band4	5	1712.5	QPSK	1	MID	21.6	25.36	3.76	13	1.72	23.32	30	Pass
Band4	5	1712.5	QPSK	1	HIGH	21.46	26.06	4.6	13	1.72	23.18	30	Pass
Band4	5	1712.5	16QAM	25	LOW	19.02	26.43	7.41	13	1.72	20.74	30	Pass
Band4	5	1712.5	16QAM	12	LOW	19.24	26.73	7.49	13	1.72	20.96	30	Pass
Band4	5	1712.5	16QAM	12	MID	19.53	26.08	6.55	13	1.72	21.25	30	Pass
Band4	5	1712.5	16QAM	12	HIGH	19.08	26.17	7.09	13	1.72	20.8	30	Pass
Band4	5	1712.5	16QAM	1	LOW	20.42	26.58	6.16	13	1.72	22.14	30	Pass
Band4	5	1712.5	16QAM	1	MID	20.14	26.54	6.4	13	1.72	21.86	30	Pass
Band4	5	1712.5	16QAM	1	HIGH	20.18	25.31	5.13	13	1.72	21.9	30	Pass
Band4	5	1732.5	QPSK	25	LOW	20.3	27.67	7.37	13	1.72	22.02	30	Pass
Band4	5	1732.5	QPSK	12	LOW	20.66	28.07	7.41	13	1.72	22.38	30	Pass
Band4	5	1732.5	QPSK	12	MID	20.14	26.75	6.61	13	1.72	21.86	30	Pass
Band4	5	1732.5	QPSK	12	HIGH	20.58	27.38	6.8	13	1.72	22.3	30	Pass
Band4	5	1732.5	QPSK	1	LOW	21.41	28.73	7.32	13	1.72	23.13	30	Pass
Band4	5	1732.5	QPSK	1	MID	21.61	28.69	7.08	13	1.72	23.33	30	Pass
Band4	5	1732.5	QPSK	1	HIGH	21.28	27.58	6.3	13	1.72	23	30	Pass
Band4	5	1732.5	16QAM	25	LOW	19.9	29.05	9.15	13	1.72	21.62	30	Pass
Band4	5	1732.5	16QAM	12	LOW	19.31	28.37	9.06	13	1.72	21.03	30	Pass
Band4	5	1732.5	16QAM	12	MID	19.63	28.57	8.94	13	1.72	21.35	30	Pass
Band4	5	1732.5	16QAM	12	HIGH	19.28	27.87	8.59	13	1.72	21	30	Pass
Band4	5	1732.5	16QAM	1	LOW	21.14	27.86	6.72	13	1.72	22.86	30	Pass
Band4	5	1732.5	16QAM	1	MID	20.78	27.19	6.41	13	1.72	22.5	30	Pass
Band4	5	1732.5	16QAM	1	HIGH	20.81	27.14	6.33	13	1.72	22.53	30	Pass
Band4	5	1752.5	QPSK	25	LOW	20.62	28.22	7.6	13	1.72	22.34	30	Pass
Band4	5	1752.5	QPSK	12	LOW	20.77	27.26	6.49	13	1.72	22.49	30	Pass
Band4	5	1752.5	QPSK	12	MID	20.26	27.06	6.8	13	1.72	21.98	30	Pass
Band4	5	1752.5	QPSK	12	HIGH	20.11	26.28	6.17	13	1.72	21.83	30	Pass

Band4	5	1752.5	QPSK	1	LOW	21.05	26.73	5.68	13	1.72	22.77	30	Pass
Band4	5	1752.5	QPSK	1	MID	21.25	26.19	4.94	13	1.72	22.97	30	Pass
Band4	5	1752.5	QPSK	1	HIGH	21.31	25.47	4.16	13	1.72	23.03	30	Pass
Band4	5	1752.5	16QAM	25	LOW	19.15	27.62	8.47	13	1.72	20.87	30	Pass
Band4	5	1752.5	16QAM	12	LOW	19.4	26.5	7.1	13	1.72	21.12	30	Pass
Band4	5	1752.5	16QAM	12	MID	19.34	26.97	7.63	13	1.72	21.06	30	Pass
Band4	5	1752.5	16QAM	12	HIGH	18.67	26.06	7.39	13	1.72	20.39	30	Pass
Band4	5	1752.5	16QAM	1	LOW	20.35	27.08	6.73	13	1.72	22.07	30	Pass
Band4	5	1752.5	16QAM	1	MID	19.96	26.4	6.44	13	1.72	21.68	30	Pass
Band4	5	1752.5	16QAM	1	HIGH	19.9	26.44	6.54	13	1.72	21.62	30	Pass
Band4	10	1715	QPSK	50	LOW	20.73	28.1	7.37	13	1.72	22.45	30	Pass
Band4	10	1715	QPSK	25	LOW	20.33	27.96	7.63	13	1.72	22.05	30	Pass
Band4	10	1715	QPSK	25	MID	20.76	28.51	7.75	13	1.72	22.48	30	Pass
Band4	10	1715	QPSK	25	HIGH	20.7	28.91	8.21	13	1.72	22.42	30	Pass
Band4	10	1715	QPSK	1	LOW	20.34	27.22	6.88	13	1.72	22.06	30	Pass
Band4	10	1715	QPSK	1	MID	21.32	25.97	4.65	13	1.72	23.04	30	Pass
Band4	10	1715	QPSK	1	HIGH	20.88	26.63	5.75	13	1.72	22.6	30	Pass
Band4	10	1715	16QAM	12	LOW	20.82	26.67	5.85	13	1.72	22.54	30	Pass
Band4	10	1715	16QAM	6	LOW	20.44	27.56	7.12	13	1.72	22.16	30	Pass
Band4	10	1715	16QAM	6	MID	20.81	28.38	7.57	13	1.72	22.53	30	Pass
Band4	10	1715	16QAM	6	HIGH	20.44	28.49	8.05	13	1.72	22.16	30	Pass
Band4	10	1715	16QAM	1	LOW	20.48	25.87	5.39	13	1.72	22.2	30	Pass
Band4	10	1715	16QAM	1	MID	20.58	26.4	5.82	13	1.72	22.3	30	Pass
Band4	10	1715	16QAM	1	HIGH	20.44	27.32	6.88	13	1.72	22.16	30	Pass
Band4	10	1732.5	QPSK	50	LOW	20.74	27.79	7.05	13	1.72	22.46	30	Pass
Band4	10	1732.5	QPSK	25	LOW	20.42	27.89	7.47	13	1.72	22.14	30	Pass
Band4	10	1732.5	QPSK	25	MID	20.3	27.59	7.29	13	1.72	22.02	30	Pass
Band4	10	1732.5	QPSK	25	HIGH	20.58	28.73	8.15	13	1.72	22.3	30	Pass
Band4	10	1732.5	QPSK	1	LOW	22.1	28.79	6.69	13	1.72	23.82	30	Pass
Band4	10	1732.5	QPSK	1	MID	21.31	27	5.69	13	1.72	23.03	30	Pass
Band4	10	1732.5	QPSK	1	HIGH	21.7	28.43	6.73	13	1.72	23.42	30	Pass
Band4	10	1732.5	16QAM	12	LOW	20.7	28.24	7.54	13	1.72	22.42	30	Pass
Band4	10	1732.5	16QAM	6	LOW	20.25	28.39	8.14	13	1.72	21.97	30	Pass
Band4	10	1732.5	16QAM	6	MID	20.68	28.72	8.04	13	1.72	22.4	30	Pass
Band4	10	1732.5	16QAM	6	HIGH	20.44	26.83	6.39	13	1.72	22.16	30	Pass
Band4	10	1732.5	16QAM	1	LOW	20.86	28.04	7.18	13	1.72	22.58	30	Pass
Band4	10	1732.5	16QAM	1	MID	20.72	27.15	6.43	13	1.72	22.44	30	Pass
Band4	10	1732.5	16QAM	1	HIGH	20.97	28.1	7.13	13	1.72	22.69	30	Pass
Band4	10	1750	QPSK	50	LOW	20.47	28.11	7.64	13	1.72	22.19	30	Pass
Band4	10	1750	QPSK	25	LOW	20.82	28.86	8.04	13	1.72	22.54	30	Pass
Band4	10	1750	QPSK	25	MID	20.46	28.31	7.85	13	1.72	22.18	30	Pass
Band4	10	1750	QPSK	25	HIGH	19.8	26.71	6.91	13	1.72	21.52	30	Pass
Band4	10	1750	QPSK	1	LOW	20.41	27.93	7.52	13	1.72	22.13	30	Pass
Band4	10	1750	QPSK	1	MID	21.53	27.23	5.7	13	1.72	23.25	30	Pass
Band4	10	1750	QPSK	1	HIGH	21.54	27.57	6.03	13	1.72	23.26	30	Pass
Band4	10	1750	16QAM	12	LOW	20.41	28.25	7.84	13	1.72	22.13	30	Pass
Band4	10	1750	16QAM	6	LOW	21.11	26.67	5.56	13	1.72	22.83	30	Pass

Band4	10	1750	16QAM	6	MID	21.34	27.8	6.46	13	1.72	23.06	30	Pass
Band4	10	1750	16QAM	6	HIGH	20.1	27.27	7.17	13	1.72	21.82	30	Pass
Band4	10	1750	16QAM	1	LOW	20.79	27.36	6.57	13	1.72	22.51	30	Pass
Band4	10	1750	16QAM	1	MID	20.97	26.74	5.77	13	1.72	22.69	30	Pass
Band4	10	1750	16QAM	1	HIGH	20.66	27.2	6.54	13	1.72	22.38	30	Pass
Band4	15	1717.5	QPSK	75	LOW	20.8	27.93	7.13	13	1.72	22.52	30	Pass
Band4	15	1717.5	QPSK	38	LOW	20.58	28.02	7.44	13	1.72	22.3	30	Pass
Band4	15	1717.5	QPSK	38	MID	20.8	29.18	8.38	13	1.72	22.52	30	Pass
Band4	15	1717.5	QPSK	38	HIGH	20.67	28	7.33	13	1.72	22.39	30	Pass
Band4	15	1717.5	QPSK	1	LOW	21.6	26.72	5.12	13	1.72	23.32	30	Pass
Band4	15	1717.5	QPSK	1	MID	21.4	26.94	5.54	13	1.72	23.12	30	Pass
Band4	15	1717.5	QPSK	1	HIGH	20.93	26.19	5.26	13	1.72	22.65	30	Pass
Band4	15	1717.5	16QAM	27	LOW	19.18	26.61	7.43	13	1.72	20.9	30	Pass
Band4	15	1717.5	16QAM	15	LOW	19.91	27.56	7.65	13	1.72	21.63	30	Pass
Band4	15	1717.5	16QAM	15	MID	20.43	28.3	7.87	13	1.72	22.15	30	Pass
Band4	15	1717.5	16QAM	15	HIGH	20.67	27.33	6.66	13	1.72	22.39	30	Pass
Band4	15	1717.5	16QAM	1	LOW	20.47	25.87	5.4	13	1.72	22.19	30	Pass
Band4	15	1717.5	16QAM	1	MID	21.24	27.62	6.38	13	1.72	22.96	30	Pass
Band4	15	1717.5	16QAM	1	HIGH	21.28	27.5	6.22	13	1.72	23	30	Pass
Band4	15	1732.5	QPSK	75	LOW	20.89	27.9	7.01	13	1.72	22.61	30	Pass
Band4	15	1732.5	QPSK	38	LOW	20.83	28.41	7.58	13	1.72	22.55	30	Pass
Band4	15	1732.5	QPSK	38	MID	20.85	28.96	8.11	13	1.72	22.57	30	Pass
Band4	15	1732.5	QPSK	38	HIGH	20.55	29.55	9	13	1.72	22.27	30	Pass
Band4	15	1732.5	QPSK	1	LOW	20.55	28.46	7.91	13	1.72	22.27	30	Pass
Band4	15	1732.5	QPSK	1	MID	20.94	27.02	6.08	13	1.72	22.66	30	Pass
Band4	15	1732.5	QPSK	1	HIGH	21.7	27.99	6.29	13	1.72	23.42	30	Pass
Band4	15	1732.5	16QAM	27	LOW	19.98	28.8	8.82	13	1.72	21.7	30	Pass
Band4	15	1732.5	16QAM	15	LOW	20.72	28.56	7.84	13	1.72	22.44	30	Pass
Band4	15	1732.5	16QAM	15	MID	20.86	28.77	7.91	13	1.72	22.58	30	Pass
Band4	15	1732.5	16QAM	15	HIGH	20.64	28.11	7.47	13	1.72	22.36	30	Pass
Band4	15	1732.5	16QAM	1	LOW	21.06	27.38	6.32	13	1.72	22.78	30	Pass
Band4	15	1732.5	16QAM	1	MID	21.42	27.89	6.47	13	1.72	23.14	30	Pass
Band4	15	1732.5	16QAM	1	HIGH	20.86	26.7	5.84	13	1.72	22.58	30	Pass
Band4	15	1747.5	QPSK	75	LOW	20.27	27.39	7.12	13	1.72	21.99	30	Pass
Band4	15	1747.5	QPSK	38	LOW	20.11	27.66	7.55	13	1.72	21.83	30	Pass
Band4	15	1747.5	QPSK	38	MID	20.49	28.66	8.17	13	1.72	22.21	30	Pass
Band4	15	1747.5	QPSK	38	HIGH	20.76	28.63	7.87	13	1.72	22.48	30	Pass
Band4	15	1747.5	QPSK	1	LOW	21.55	27.93	6.38	13	1.72	23.27	30	Pass
Band4	15	1747.5	QPSK	1	MID	21.02	26.64	5.62	13	1.72	22.74	30	Pass
Band4	15	1747.5	QPSK	1	HIGH	21.19	25.77	4.58	13	1.72	22.91	30	Pass
Band4	15	1747.5	16QAM	27	LOW	19.61	27.19	7.58	13	1.72	21.33	30	Pass
Band4	15	1747.5	16QAM	15	LOW	20.65	27.98	7.33	13	1.72	22.37	30	Pass
Band4	15	1747.5	16QAM	15	MID	20.62	27.51	6.89	13	1.72	22.34	30	Pass
Band4	15	1747.5	16QAM	15	HIGH	20.15	26.82	6.67	13	1.72	21.87	30	Pass
Band4	15	1747.5	16QAM	1	LOW	21.26	27.92	6.66	13	1.72	22.98	30	Pass
Band4	15	1747.5	16QAM	1	MID	21.35	27.71	6.36	13	1.72	23.07	30	Pass
Band4	15	1747.5	16QAM	1	HIGH	20.71	26.59	5.88	13	1.72	22.43	30	Pass

Band4	20	1720	QPSK	100	LOW	20.21	27.03	6.82	13	1.72	21.93	30	Pass
Band4	20	1720	QPSK	50	LOW	20.54	27.48	6.94	13	1.72	22.26	30	Pass
Band4	20	1720	QPSK	50	MID	20.68	26.71	6.03	13	1.72	22.4	30	Pass
Band4	20	1720	QPSK	50	HIGH	20.47	27.38	6.91	13	1.72	22.19	30	Pass
Band4	20	1720	QPSK	1	LOW	21.31	25.79	4.48	13	1.72	23.03	30	Pass
Band4	20	1720	QPSK	1	MID	21.79	27.01	5.22	13	1.72	23.51	30	Pass
Band4	20	1720	QPSK	1	HIGH	21.18	28.03	6.85	13	1.72	22.9	30	Pass
Band4	20	1720	16QAM	27	LOW	21.26	28.28	7.02	13	1.72	22.98	30	Pass
Band4	20	1720	16QAM	15	LOW	22.16	28.47	6.31	13	1.72	23.88	30	Pass
Band4	20	1720	16QAM	15	MID	22.2	28.26	6.06	13	1.72	23.92	30	Pass
Band4	20	1720	16QAM	15	HIGH	22.33	28.59	6.26	13	1.72	24.05	30	Pass
Band4	20	1720	16QAM	1	LOW	22.19	27.68	5.49	13	1.72	23.91	30	Pass
Band4	20	1720	16QAM	1	MID	23.11	29.7	6.59	13	1.72	24.83	30	Pass
Band4	20	1720	16QAM	1	HIGH	23.13	28.59	5.46	13	1.72	24.85	30	Pass
Band4	20	1732.5	QPSK	100	LOW	22.33	28.33	6	13	1.72	24.05	30	Pass