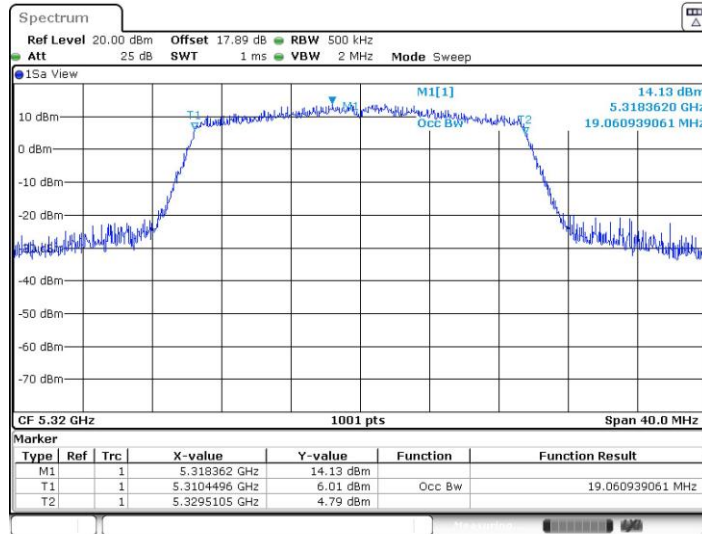


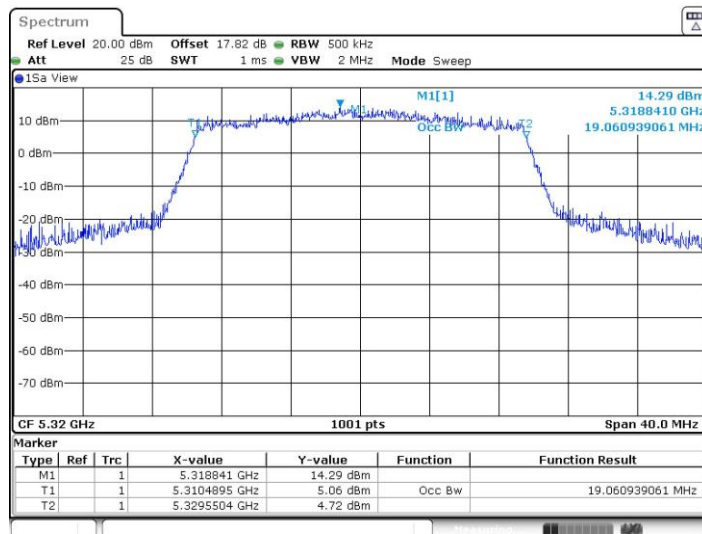


11AX20MIMO_Ant1_5320



Date: 20.MAY.2022 07:04:13

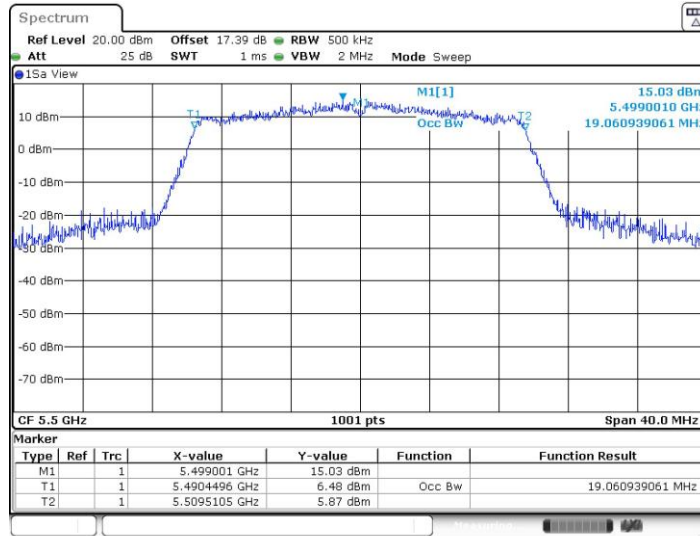
11AX20MIMO_Ant2_5320



Date: 20.MAY.2022 07:04:56

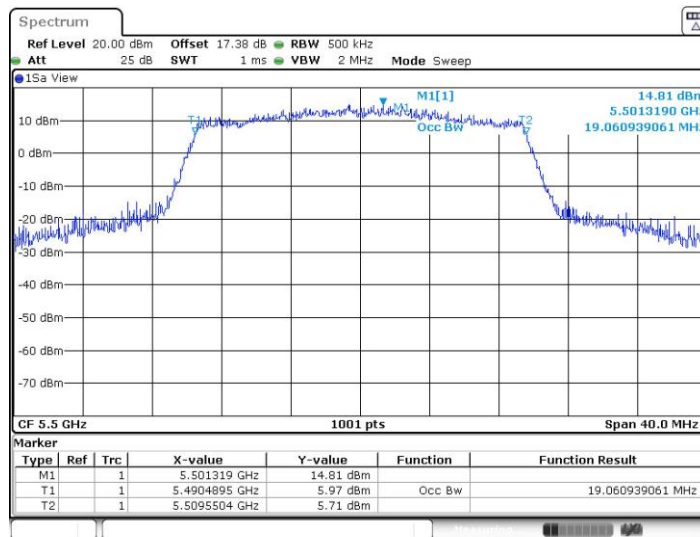


11AX20MIMO_Ant1_5500



Date: 20.MAY.2022 07:08:10

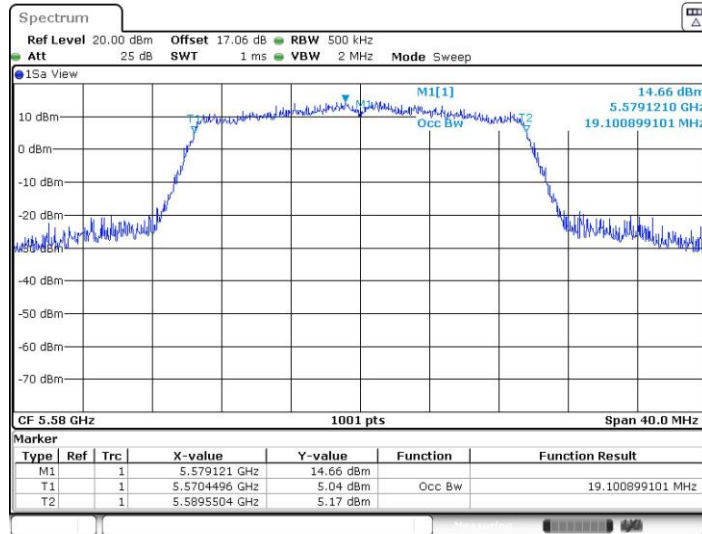
11AX20MIMO_Ant2_5500



Date: 20.MAY.2022 07:08:53

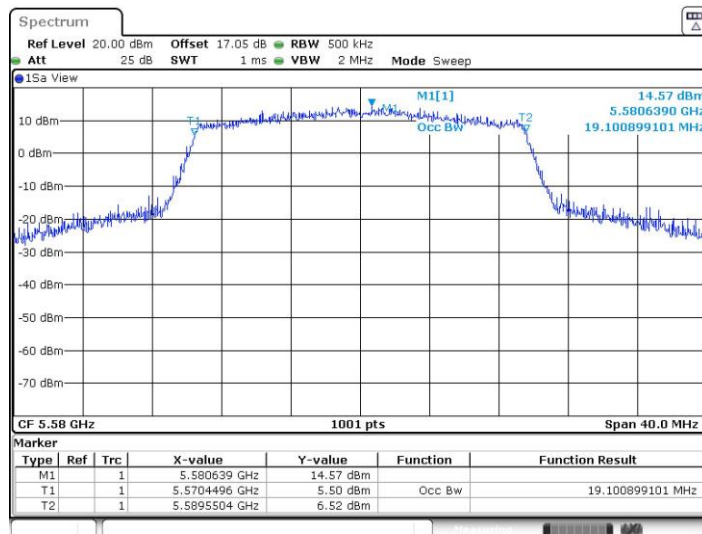


11AX20MIMO_Ant1_5580



Date: 20.MAY.2022 07:17:16

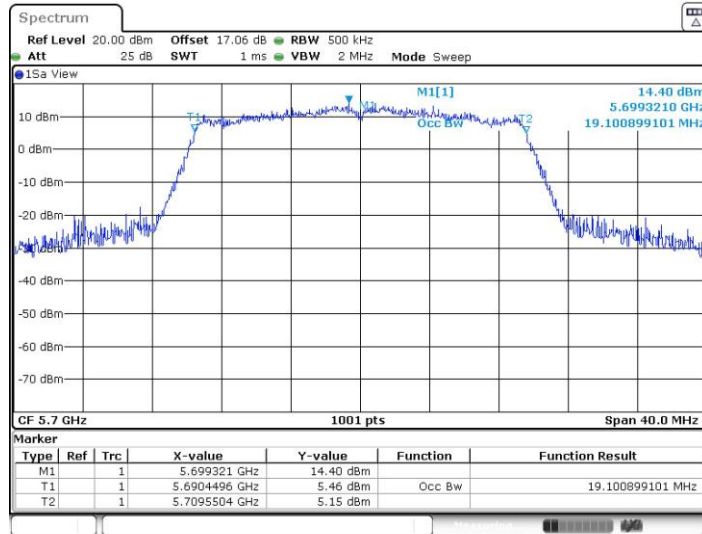
11AX20MIMO_Ant2_5580



Date: 20.MAY.2022 07:17:58

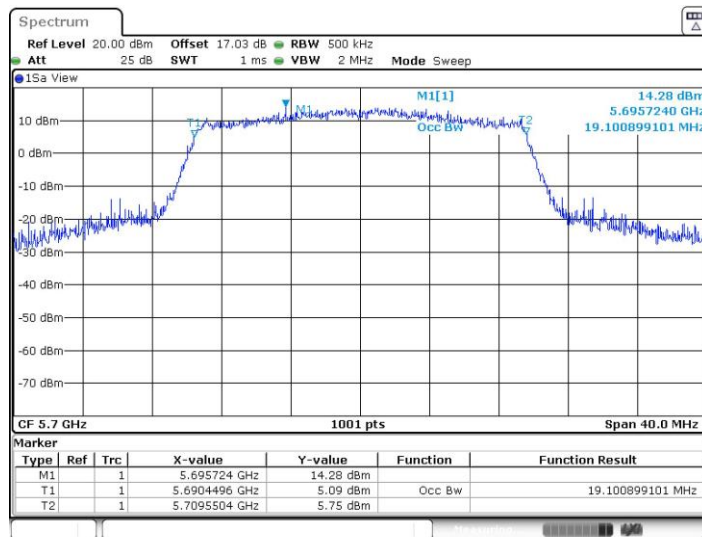


11AX20MIMO_Ant1_5700



Date: 20.MAY.2022 07:22:58

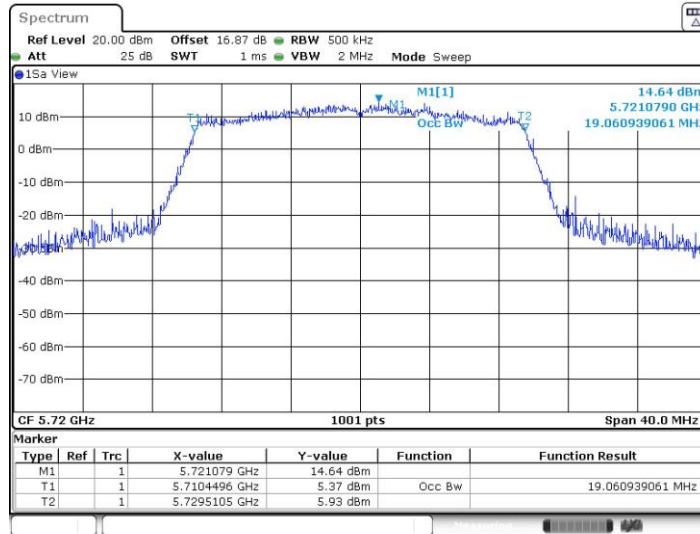
11AX20MIMO_Ant2_5700



Date: 20.MAY.2022 07:23:38

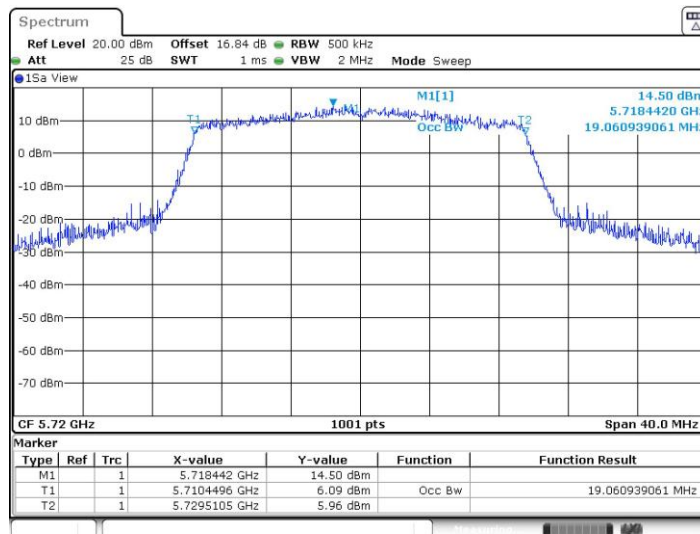


11AX20MIMO_Ant1_5720



Date: 20.MAY.2022 07:26:43

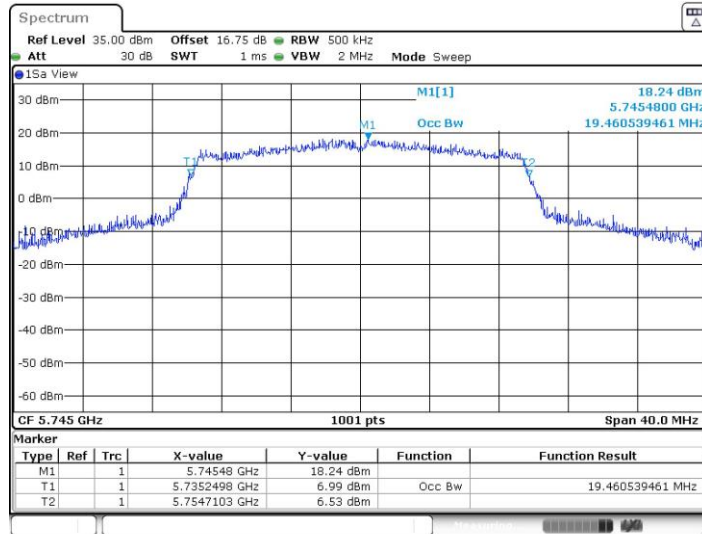
11AX20MIMO_Ant2_5720



Date: 20.MAY.2022 07:27:37

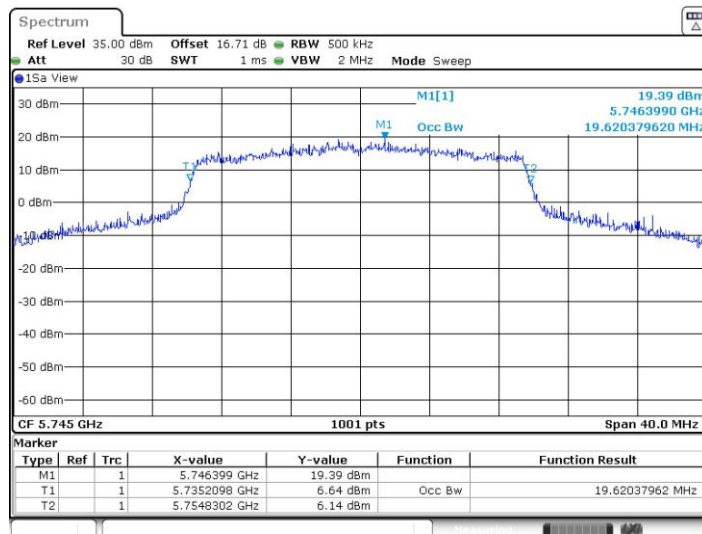


11AX20MIMO_Ant1_5745



Date: 20.MAY.2022 10:19:22

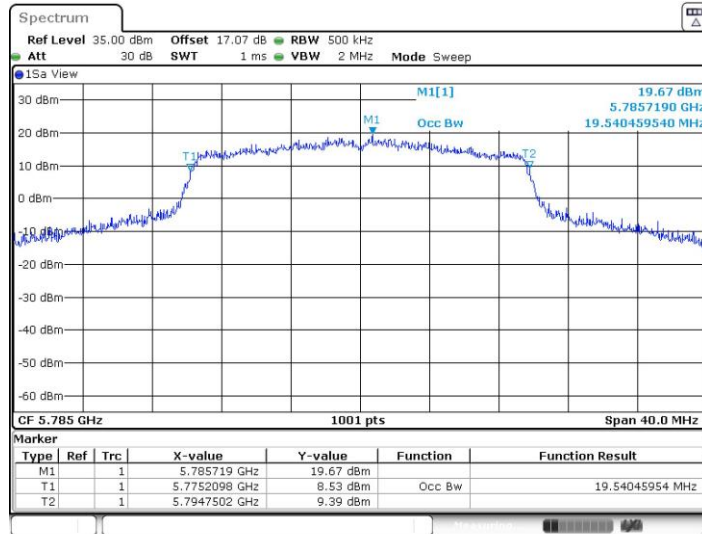
11AX20MIMO_Ant2_5745



Date: 20.MAY.2022 10:20:18

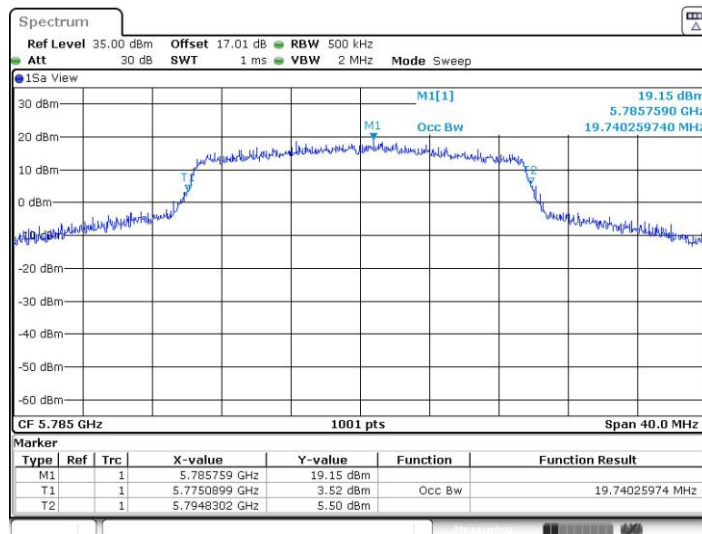


11AX20MIMO_Ant1_5785



Date: 20.MAY.2022 10:25:00

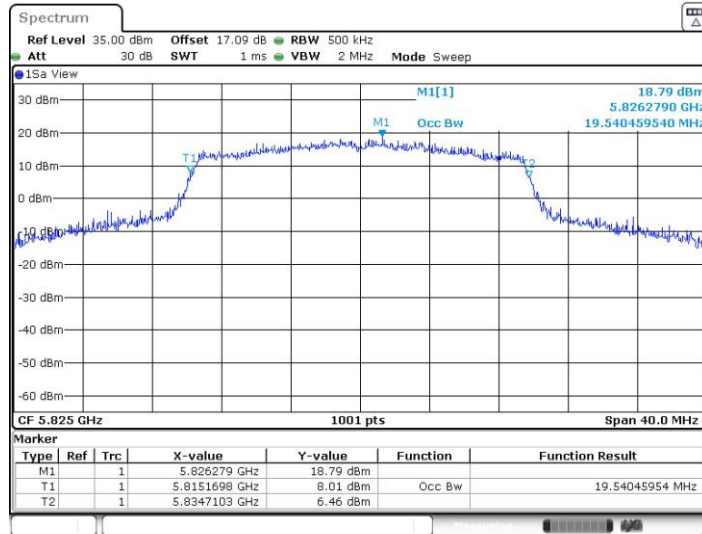
11AX20MIMO_Ant2_5785



Date: 20.MAY.2022 10:25:56

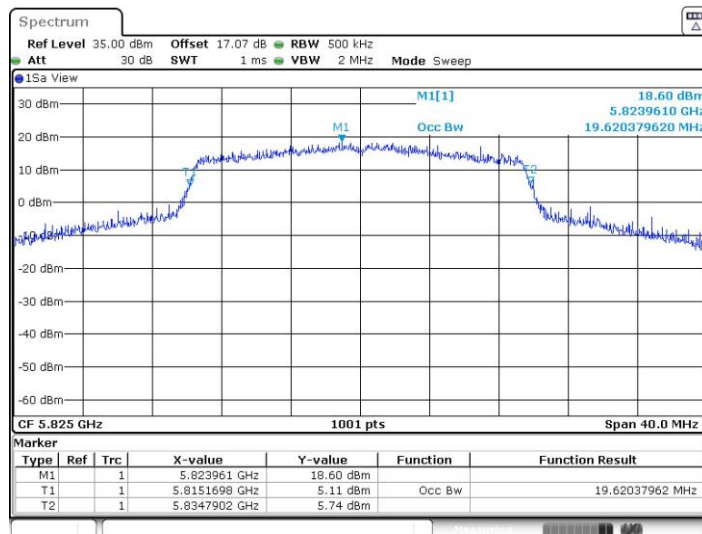


11AX20MIMO_Ant1_5825



Date: 20.MAY.2022 10:29:53

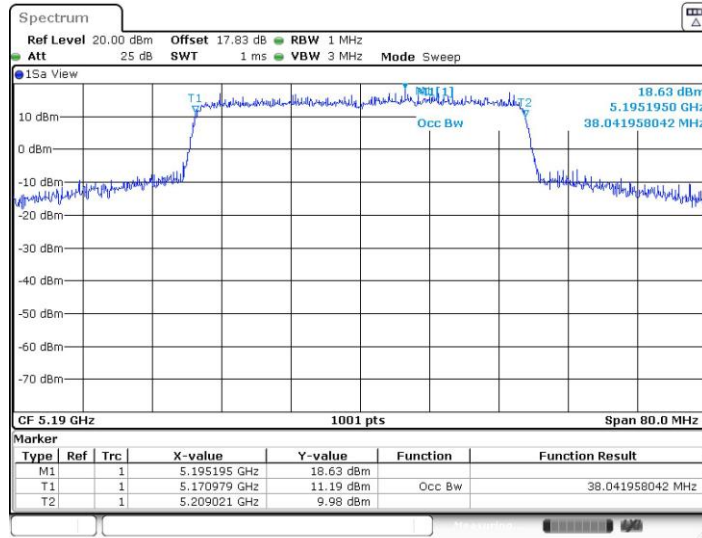
11AX20MIMO_Ant2_5825



Date: 20.MAY.2022 10:30:51

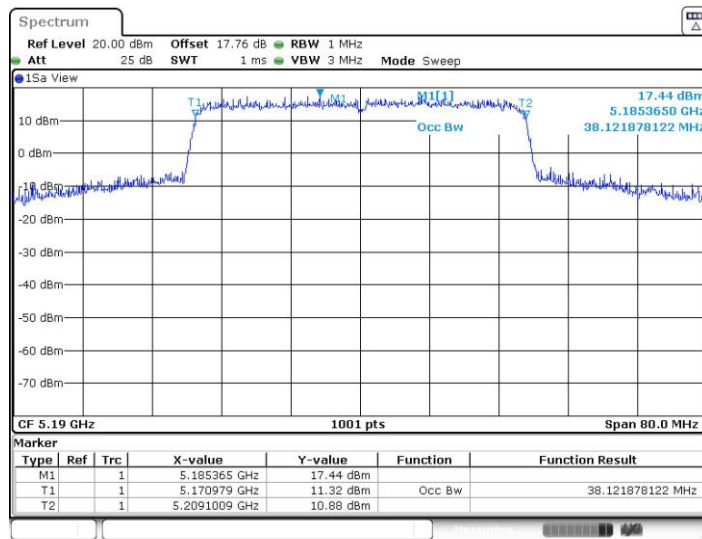


11AX40MIMO_Ant1_5190



Date: 20.MAY.2022 08:13:09

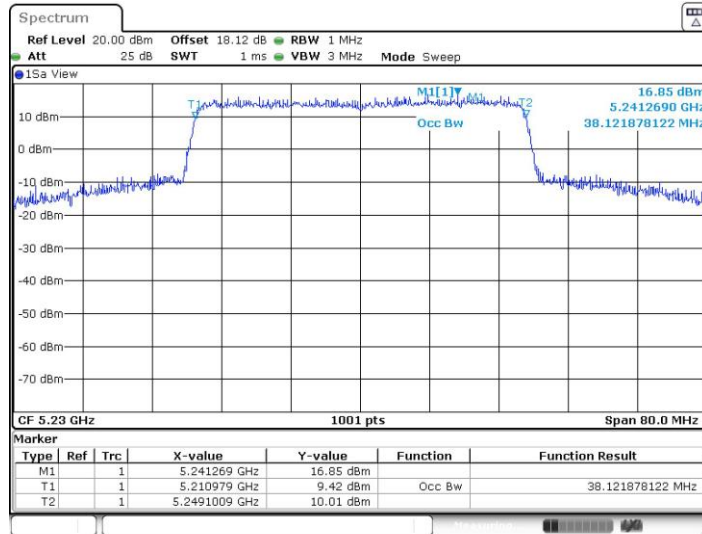
11AX40MIMO_Ant2_5190



Date: 20.MAY.2022 08:13:52

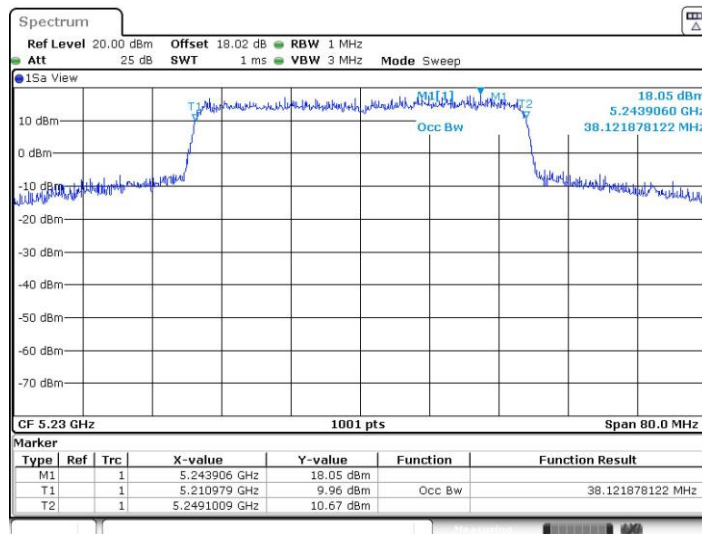


11AX40MIMO_Ant1_5230



Date: 20.MAY.2022 08:17:31

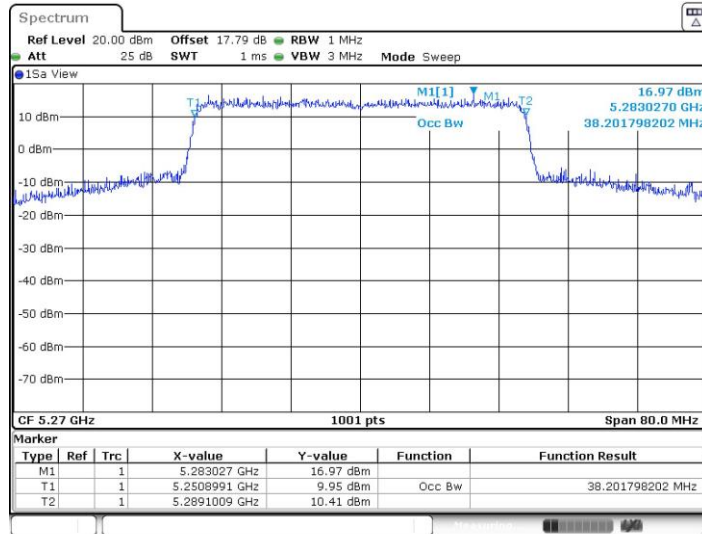
11AX40MIMO_Ant2_5230



Date: 20.MAY.2022 08:18:12

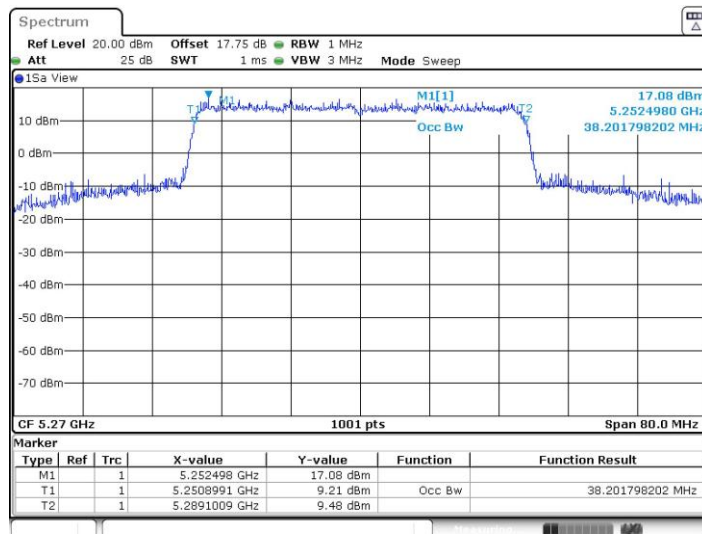


11AX40MIMO_Ant1_5270



Date: 20.MAY.2022 08:21:11

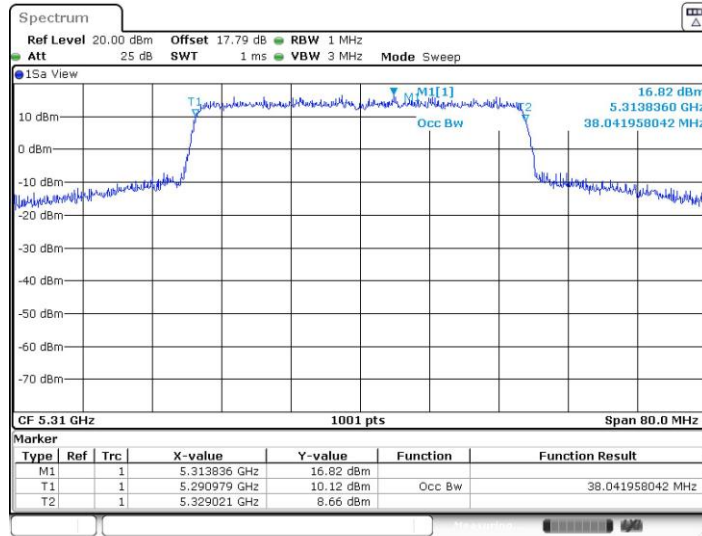
11AX40MIMO_Ant2_5270



Date: 20.MAY.2022 08:21:53

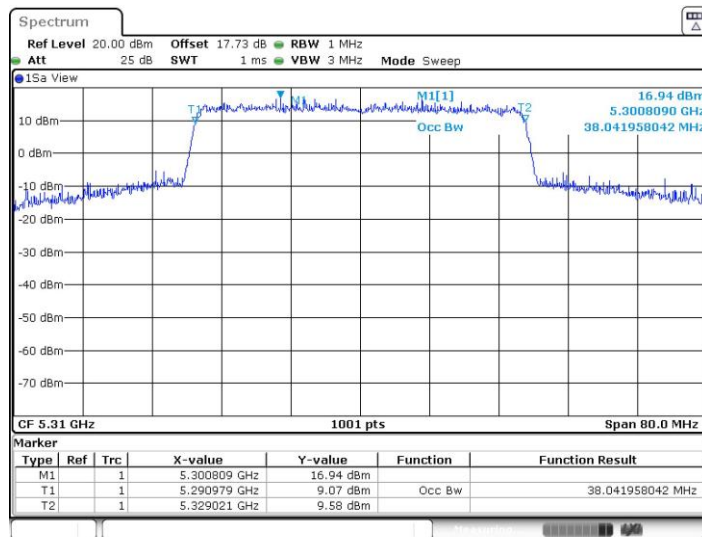


11AX40MIMO_Ant1_5310



Date: 20.MAY.2022 08:25:22

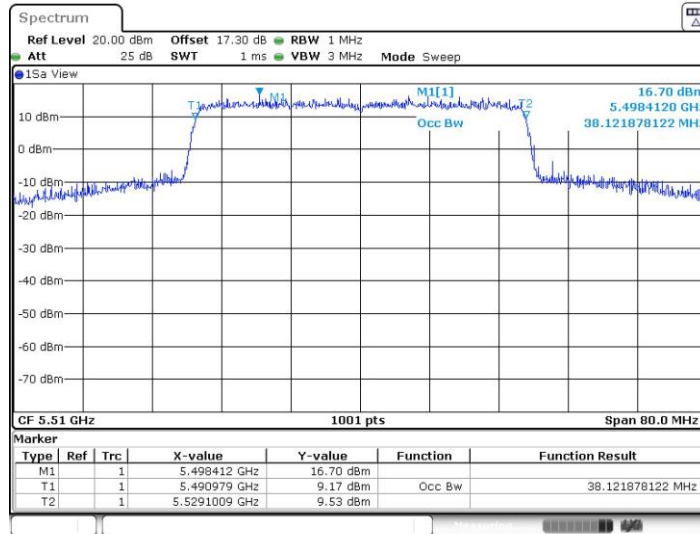
11AX40MIMO_Ant2_5310



Date: 20.MAY.2022 08:26:05

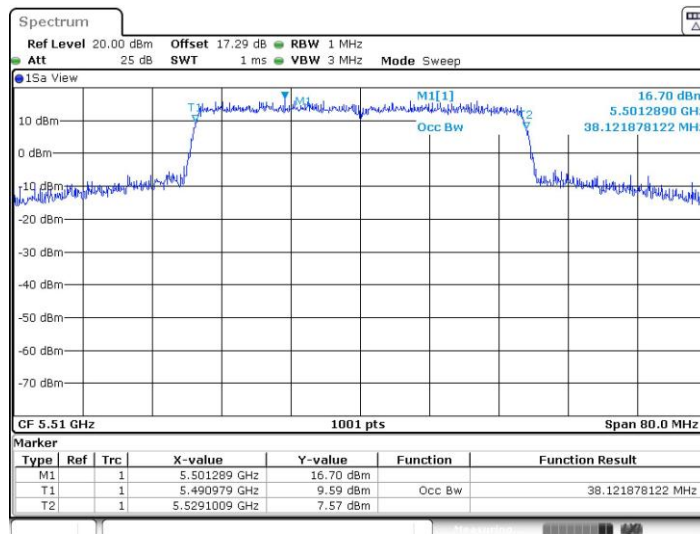


11AX40MIMO_Ant1_5510



Date: 20.MAY.2022 08:31:04

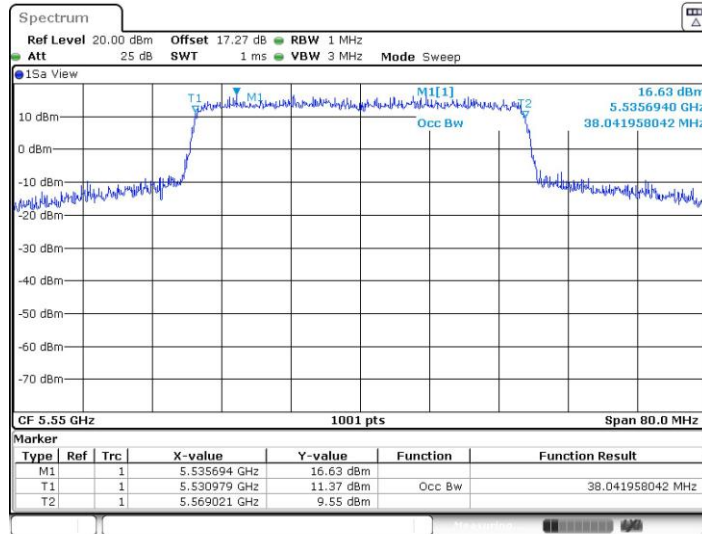
11AX40MIMO_Ant2_5510



Date: 20.MAY.2022 08:31:46

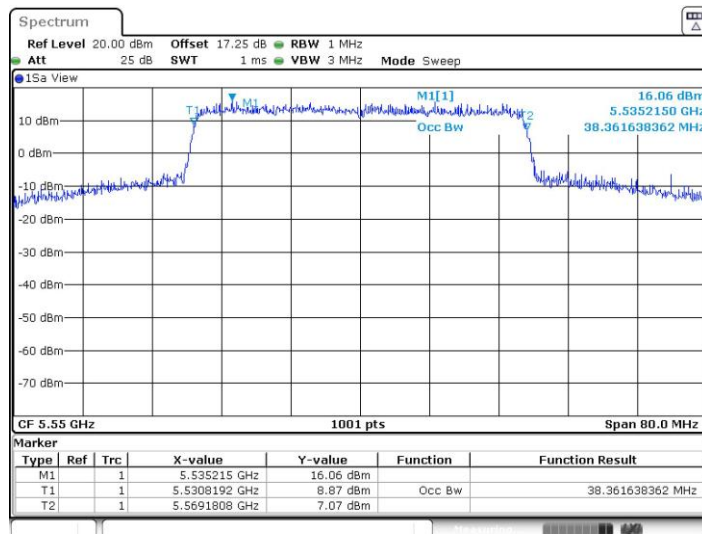


11AX40MIMO_Ant1_5550



Date: 20.MAY.2022 08:34:37

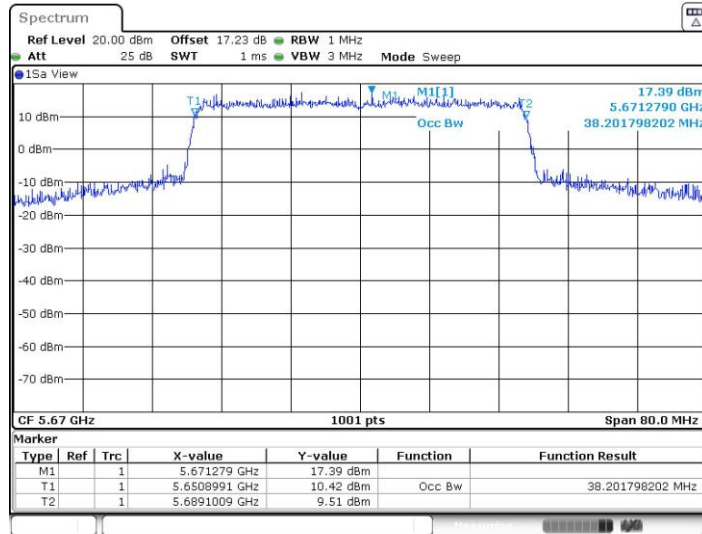
11AX40MIMO_Ant2_5550



Date: 20.MAY.2022 08:35:20

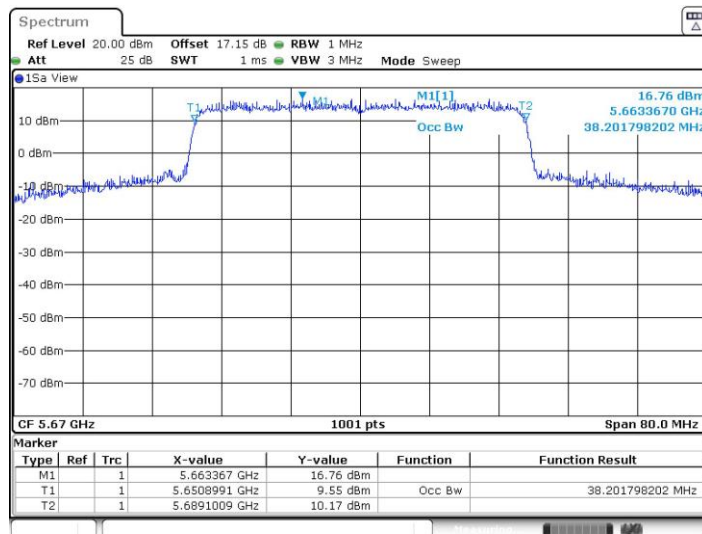


11AX40MIMO_Ant1_5670



Date: 20.MAY.2022 08:38:25

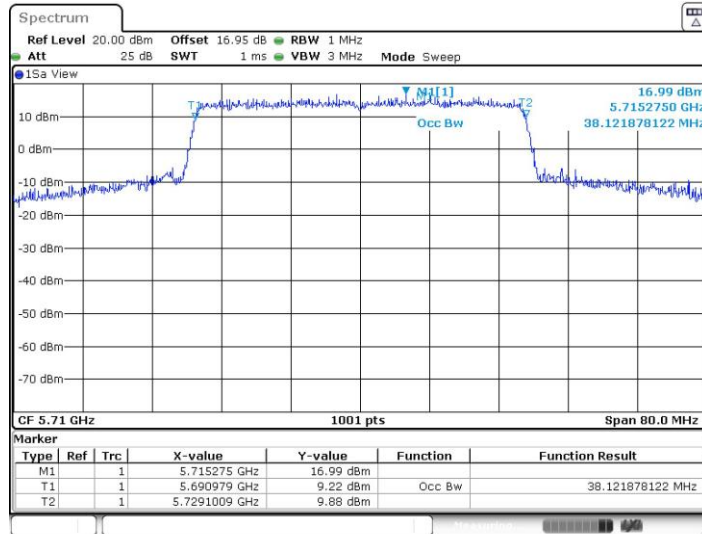
11AX40MIMO_Ant2_5670



Date: 20.MAY.2022 08:39:09

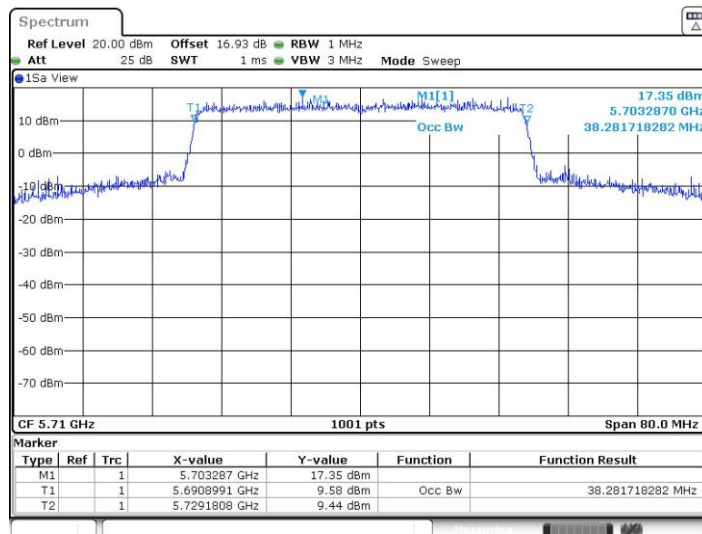


11AX40MIMO_Ant1_5710



Date: 20.MAY.2022 08:41:55

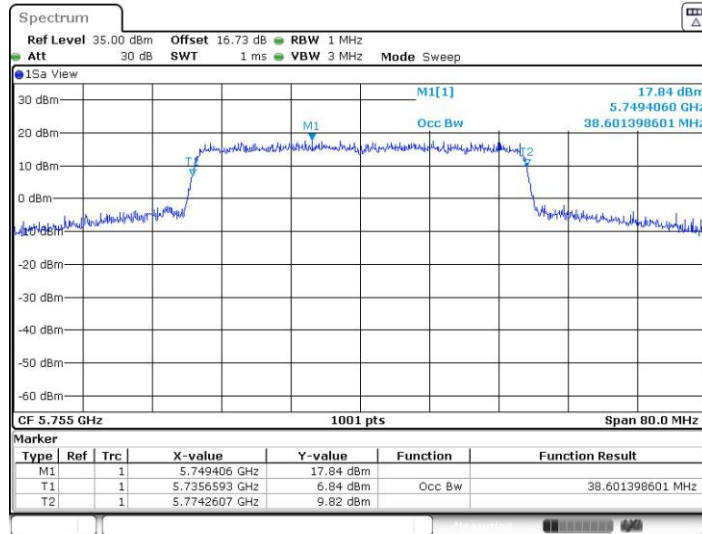
11AX40MIMO_Ant2_5710



Date: 20.MAY.2022 08:42:46

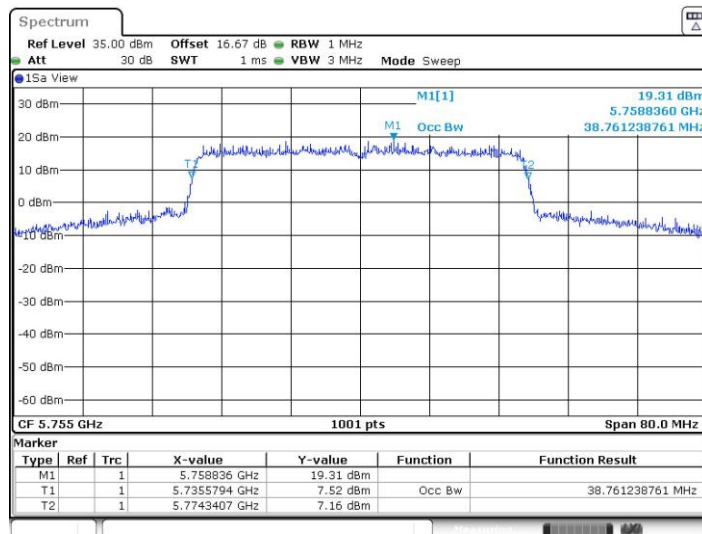


11AX40MIMO_Ant1_5755



Date: 20.MAY.2022 10:33:52

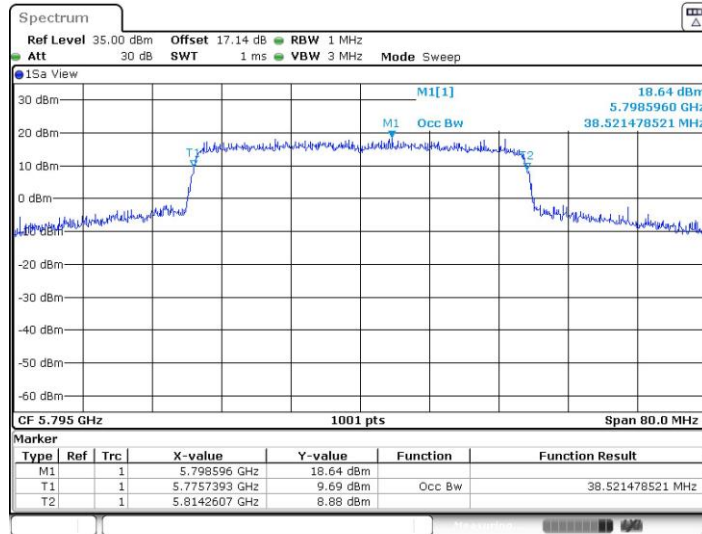
11AX40MIMO_Ant2_5755



Date: 20.MAY.2022 10:34:53

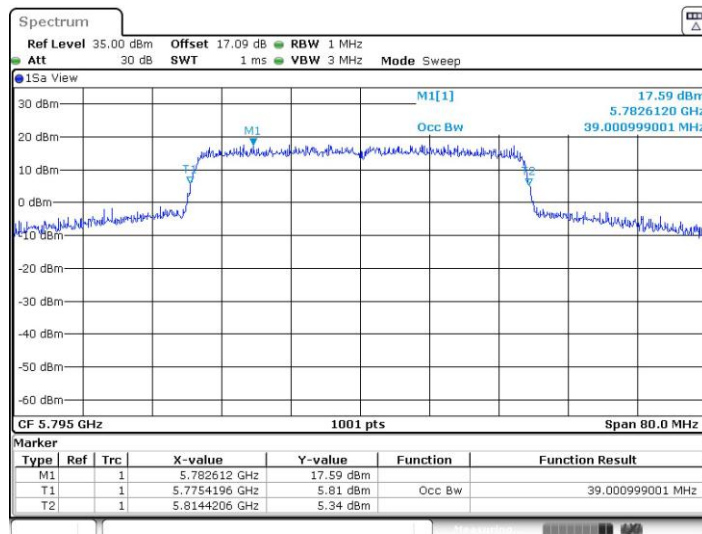


11AX40MIMO_Ant1_5795



Date: 20.MAY.2022 10:38:29

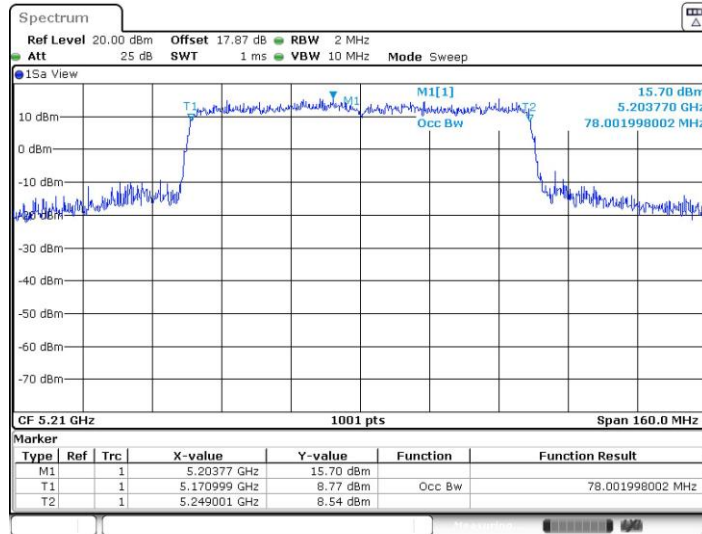
11AX40MIMO_Ant2_5795



Date: 20.MAY.2022 10:39:27

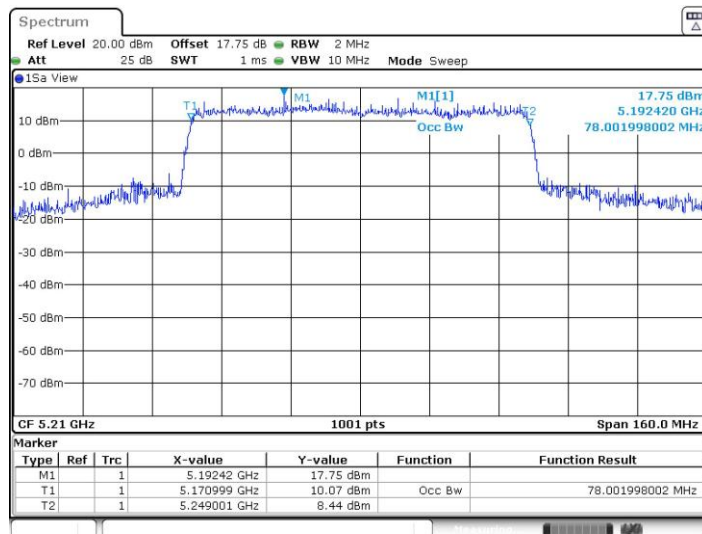


11AX80MIMO_Ant1_5210



Date: 20.MAY.2022 08:48:55

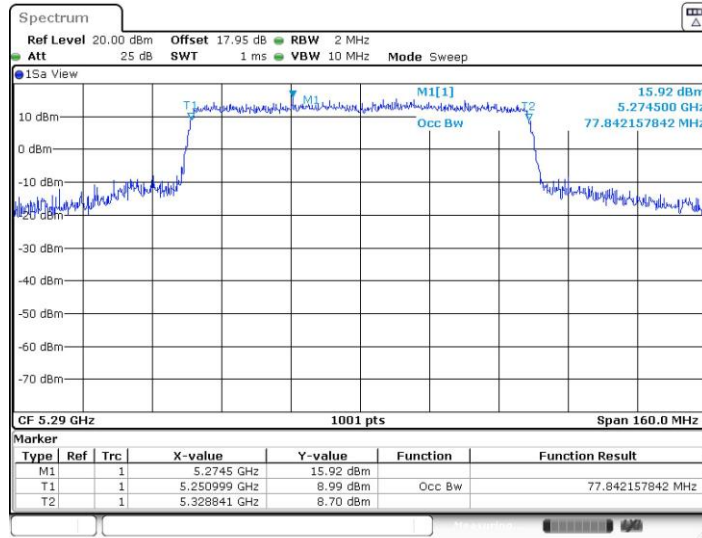
11AX80MIMO_Ant2_5210



Date: 20.MAY.2022 08:49:37

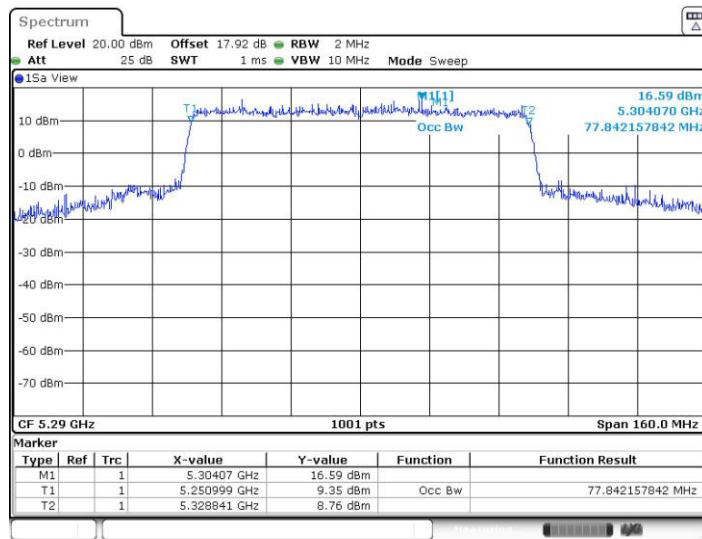


11AX80MIMO_Ant1_5290



Date: 20.MAY.2022 09:07:29

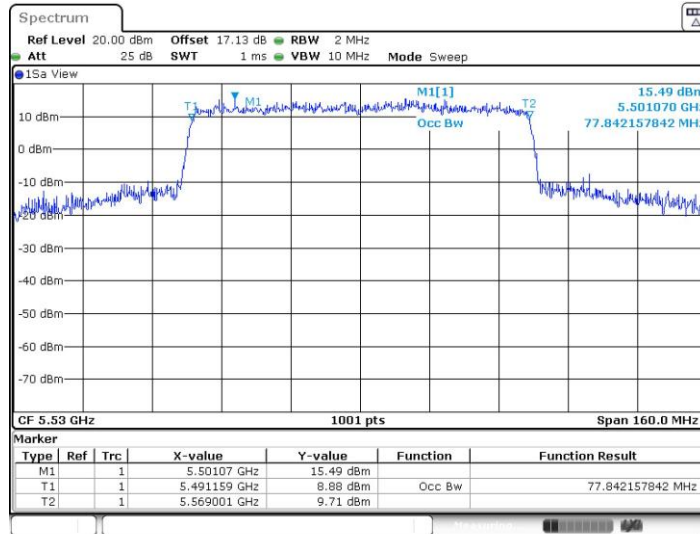
11AX80MIMO_Ant2_5290



Date: 20.MAY.2022 09:08:09

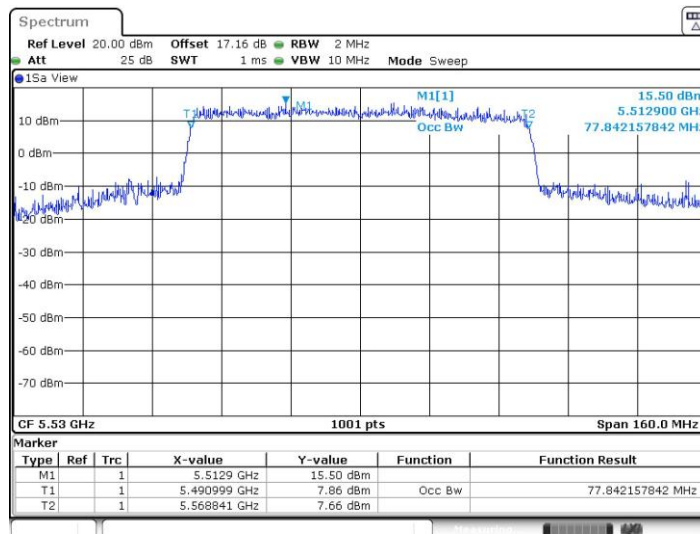


11AX80MIMO_Ant1_5530



Date: 20.MAY.2022 09:14:42

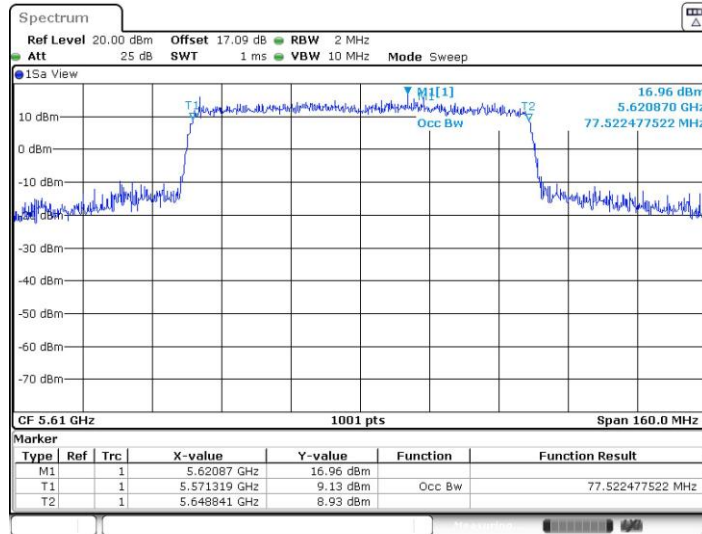
11AX80MIMO_Ant2_5530



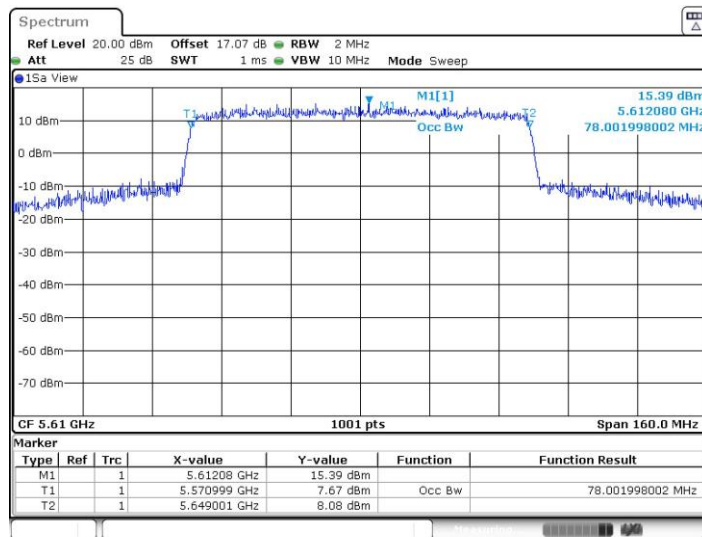
Date: 20.MAY.2022 09:15:24



11AX80MIMO_Ant1_5610

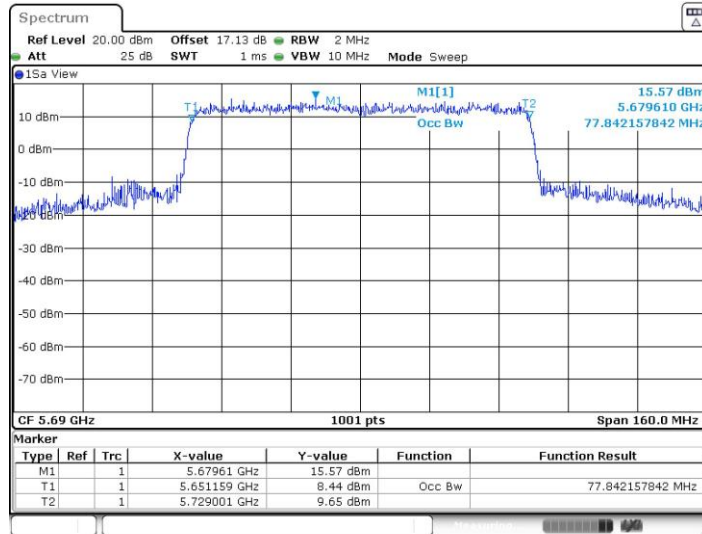


11AX80MIMO_Ant2_5610



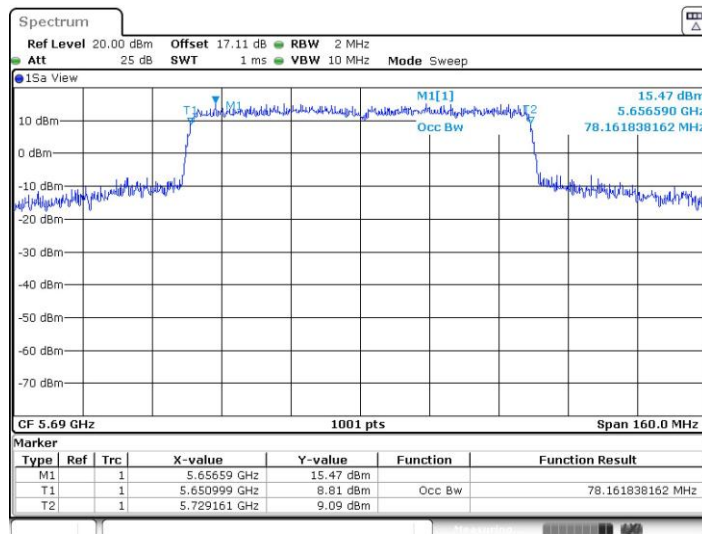


11AX80MIMO_Ant1_5690



Date: 20.MAY.2022 09:22:40

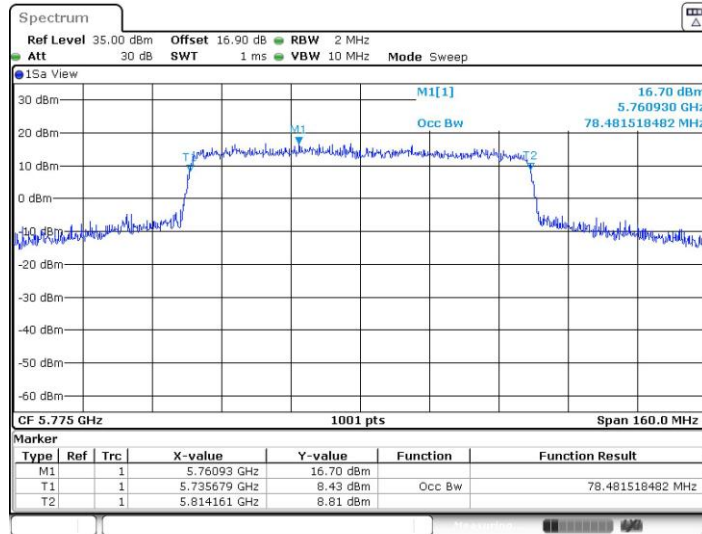
11AX80MIMO_Ant2_5690



Date: 20.MAY.2022 09:23:32

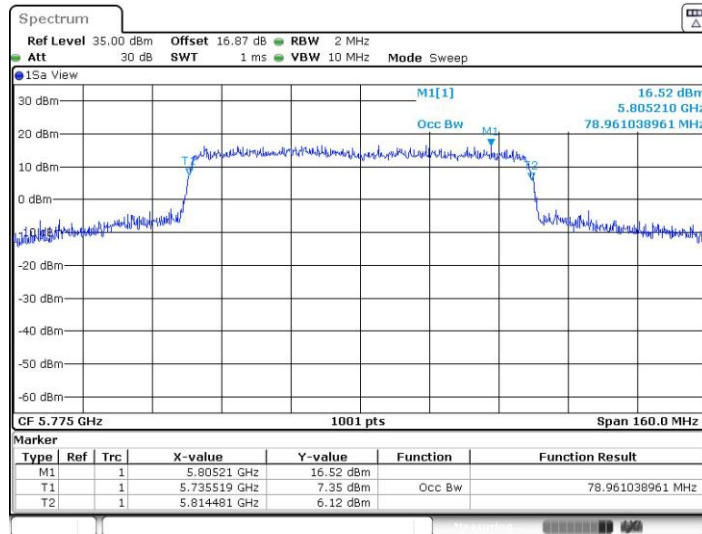


11AX80MIMO_Ant1_5775



Date: 20.MAY.2022 10:42:18

11AX80MIMO_Ant2_5775

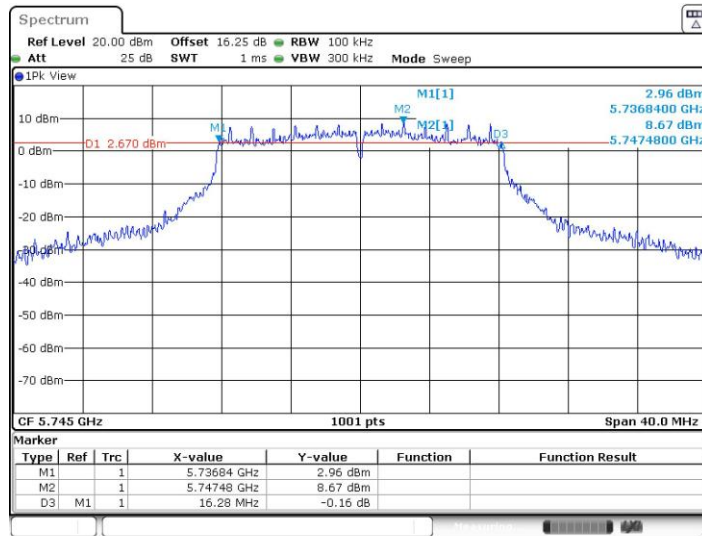


Date: 20.MAY.2022 10:43:18

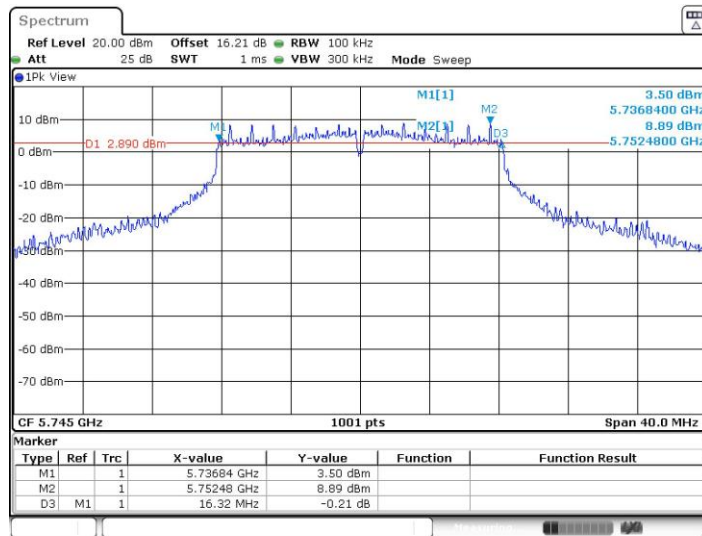


<6dB EBW>

11A-CDD_Ant1_5745

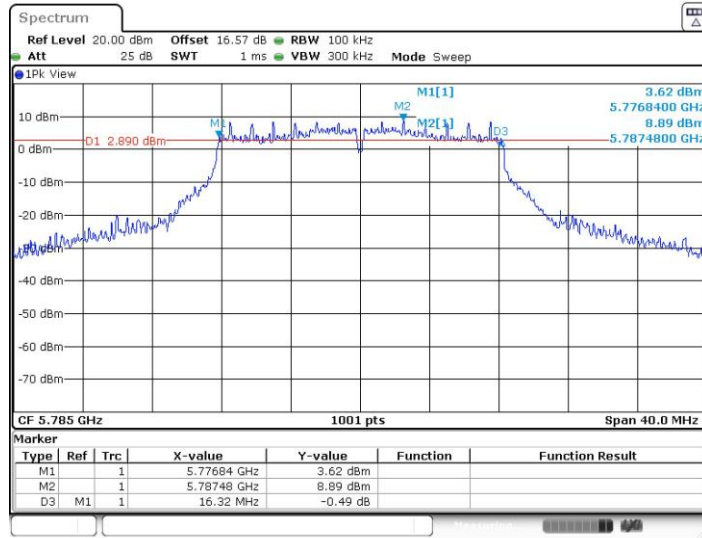


11A-CDD_Ant2_5745

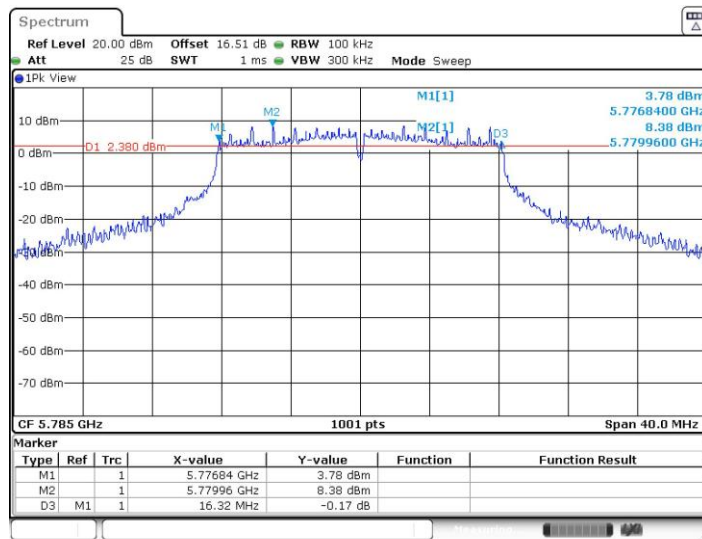




11A-CDD_Ant1_5785

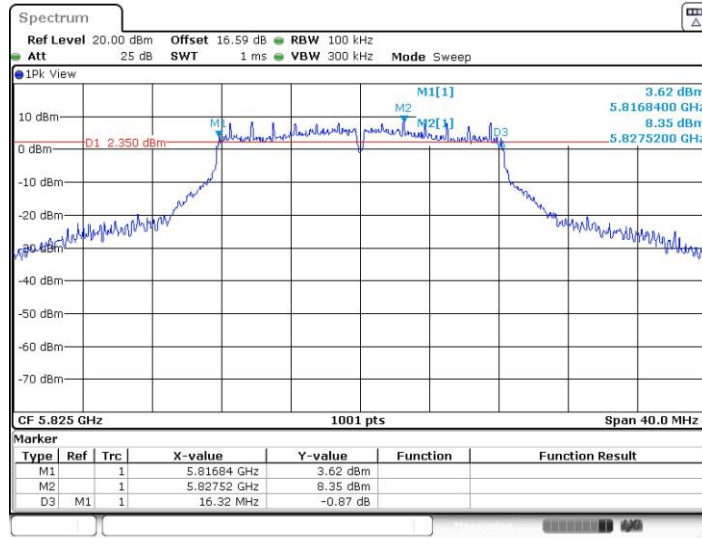


11A-CDD_Ant2_5785

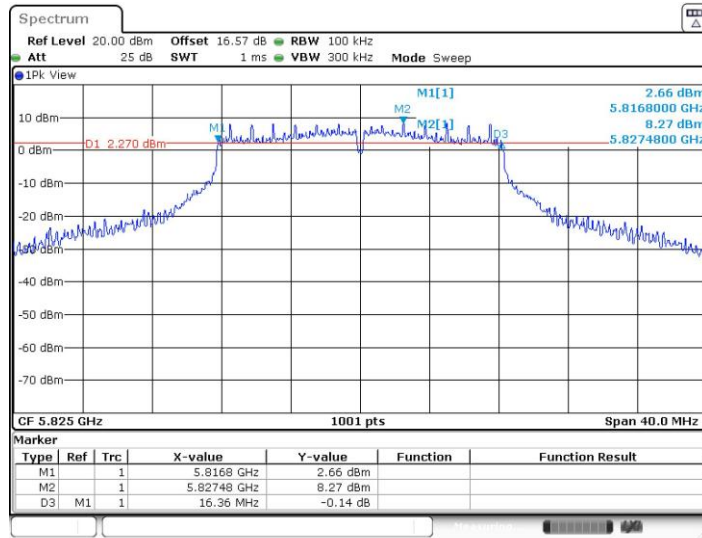




11A-CDD_Ant1_5825

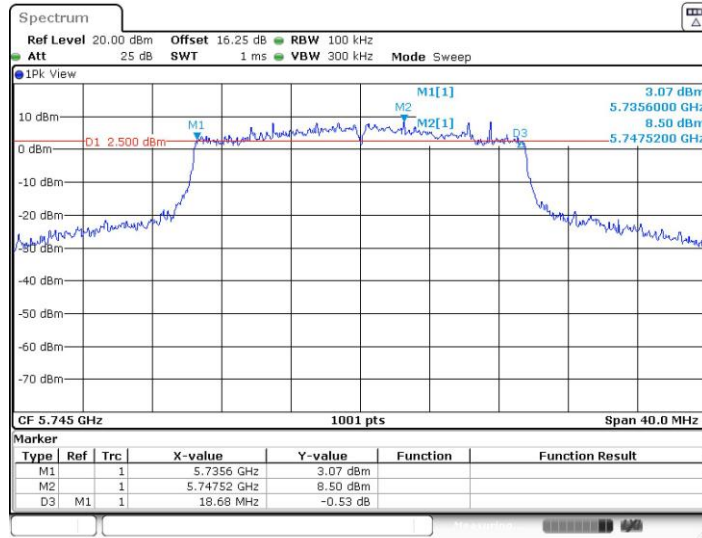


11A-CDD_Ant2_5825

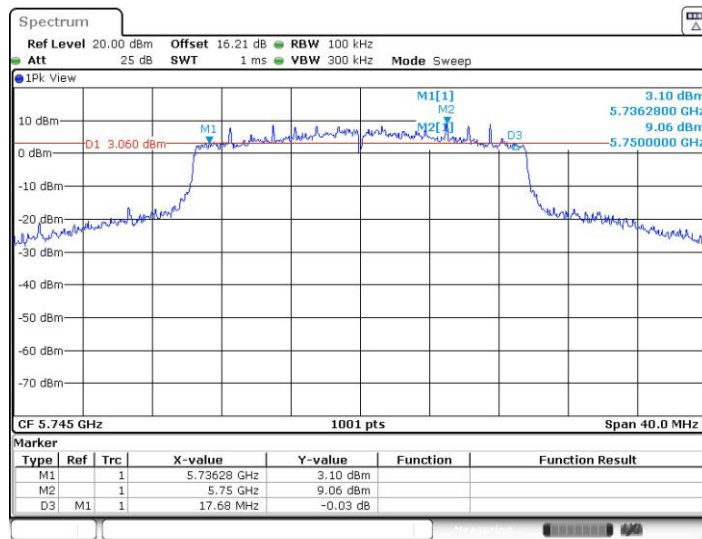




11AX20MIMO_Ant1_5745

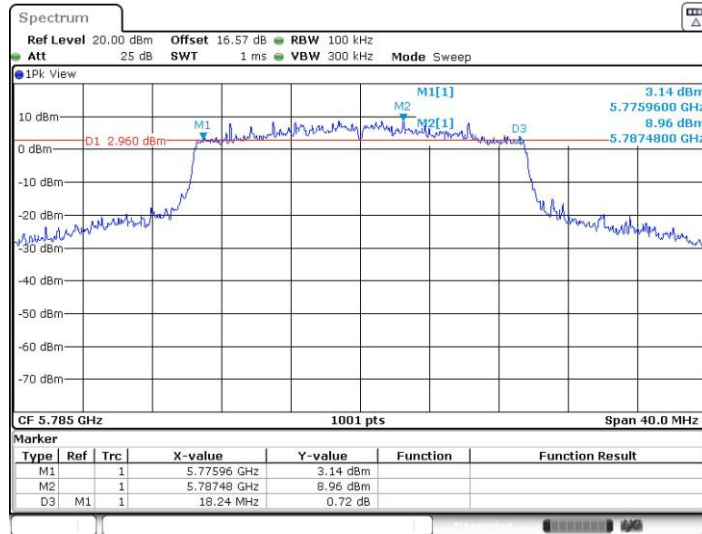


11AX20MIMO_Ant2_5745

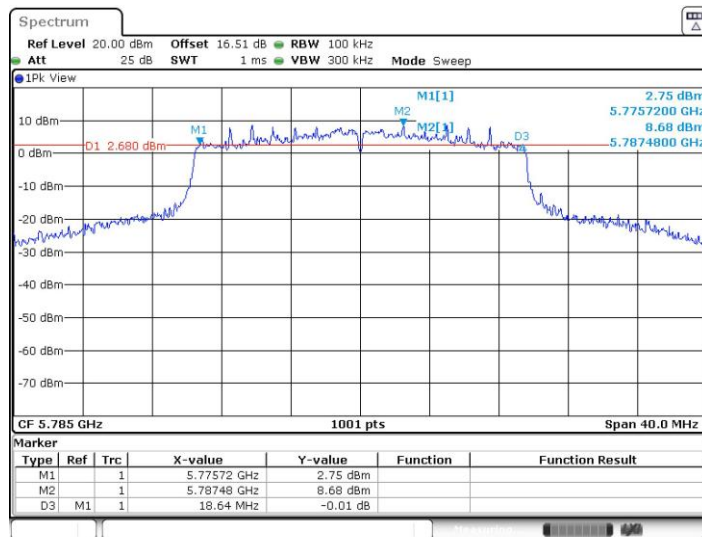




11AX20MIMO_Ant1_5785

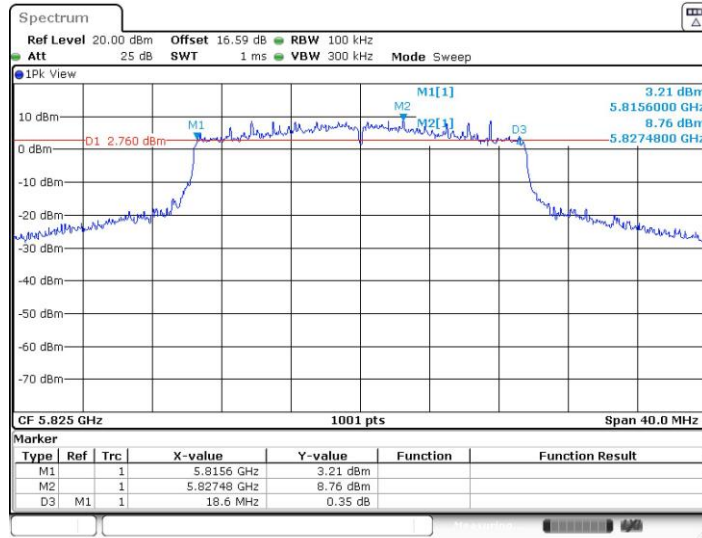


11AX20MIMO_Ant2_5785

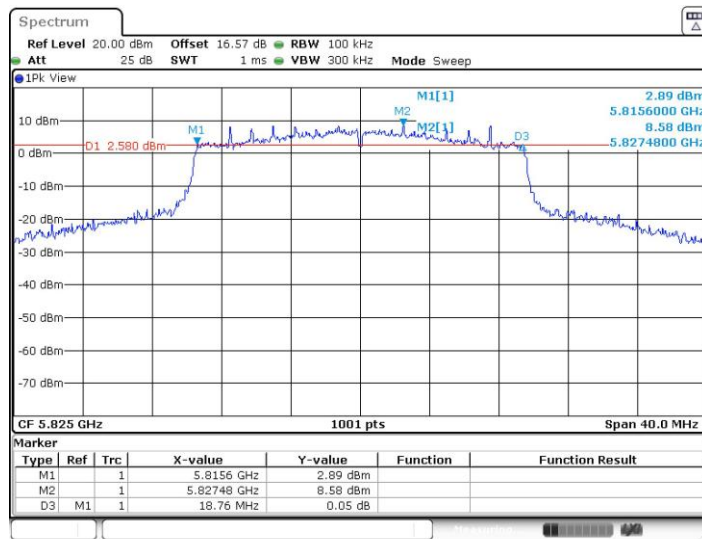




11AX20MIMO_Ant1_5825

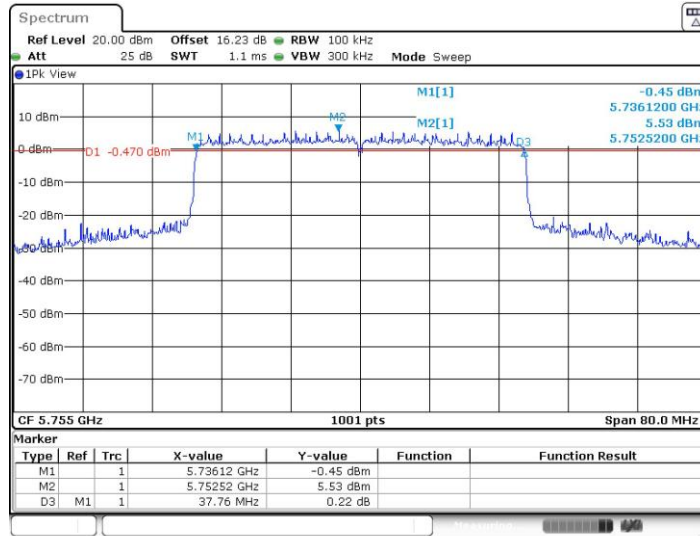


11AX20MIMO_Ant2_5825



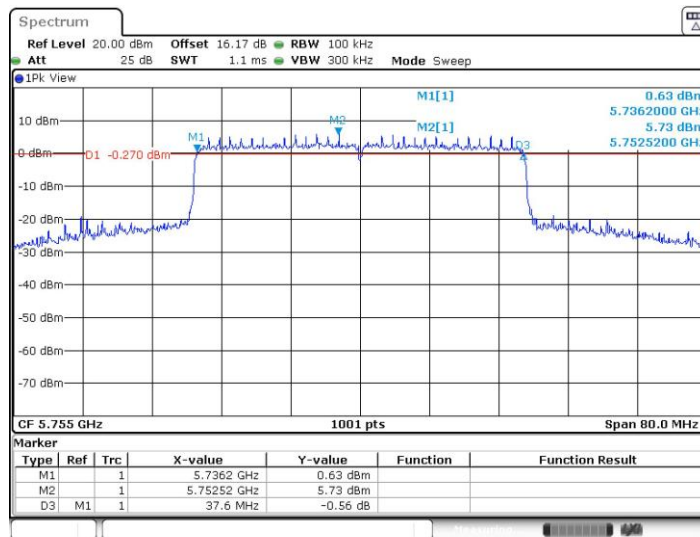


11AX40MIMO_Ant1_5755



Date: 7. JUN. 2022 23:32:13

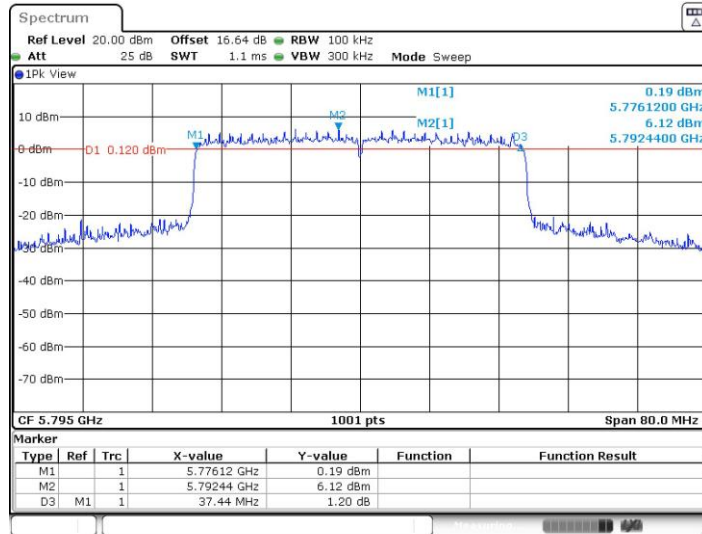
11AX40MIMO_Ant2_5755



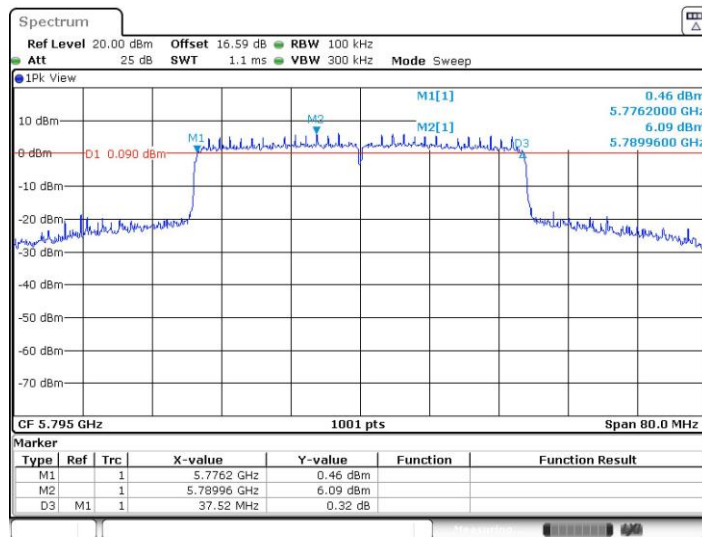
Date: 7. JUN. 2022 23:33:28



11AX40MIMO_Ant1_5795

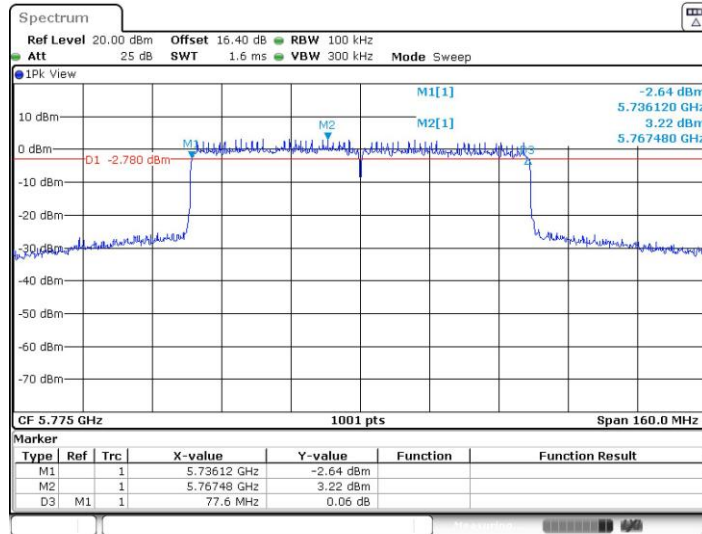


11AX40MIMO_Ant2_5795

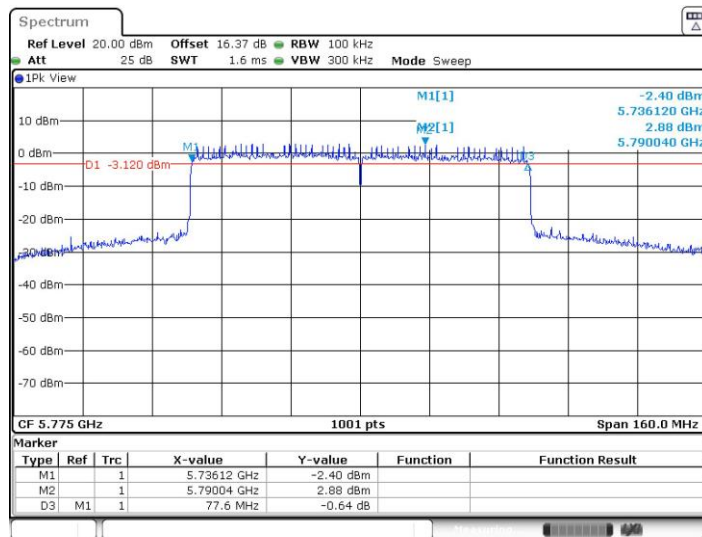




11AX80MIMO_Ant1_5775



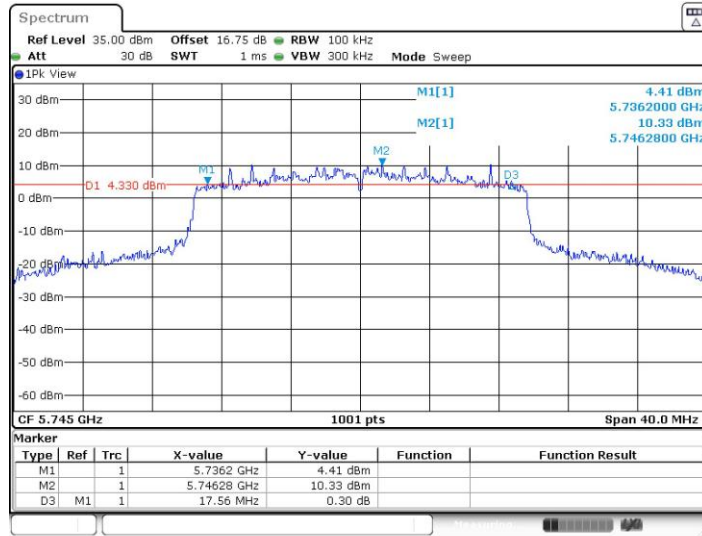
11AX80MIMO_Ant2_5775





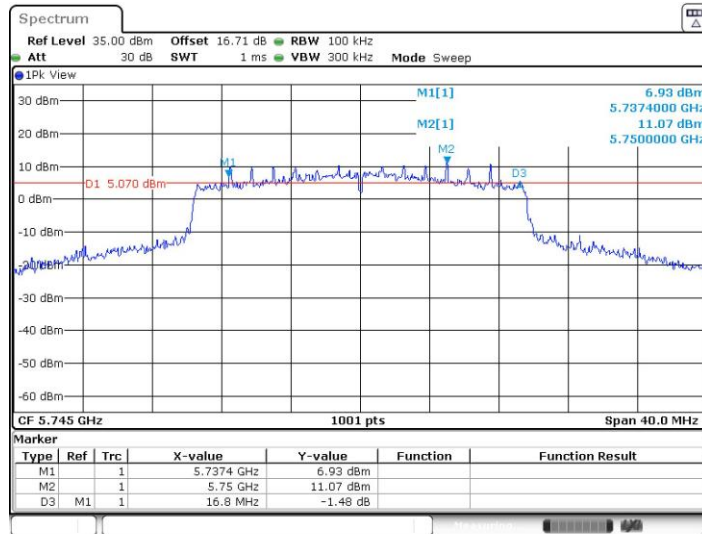
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11AX20MIMO_Ant1_5745



Date: 20.MAY.2022 10:19:07

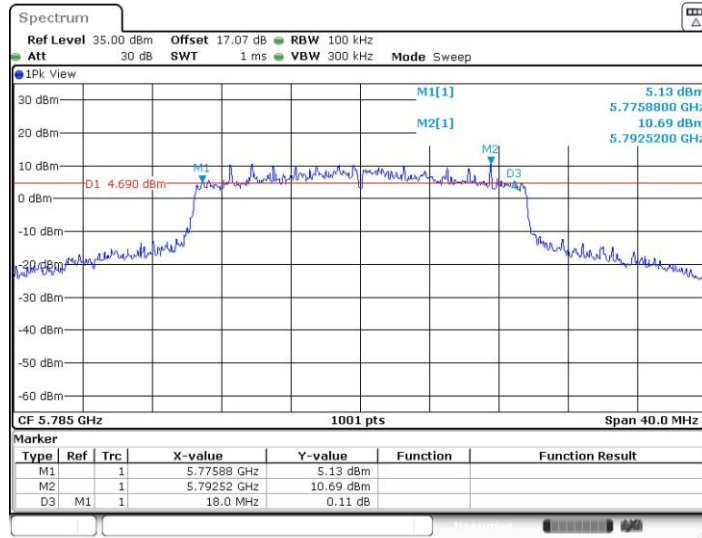
11AX20MIMO_Ant2_5745



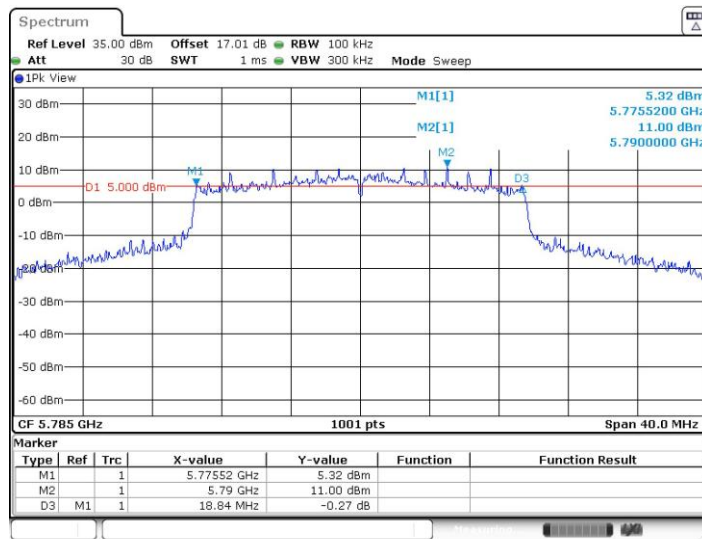
Date: 20.MAY.2022 10:20:03



11AX20MIMO_Ant1_5785

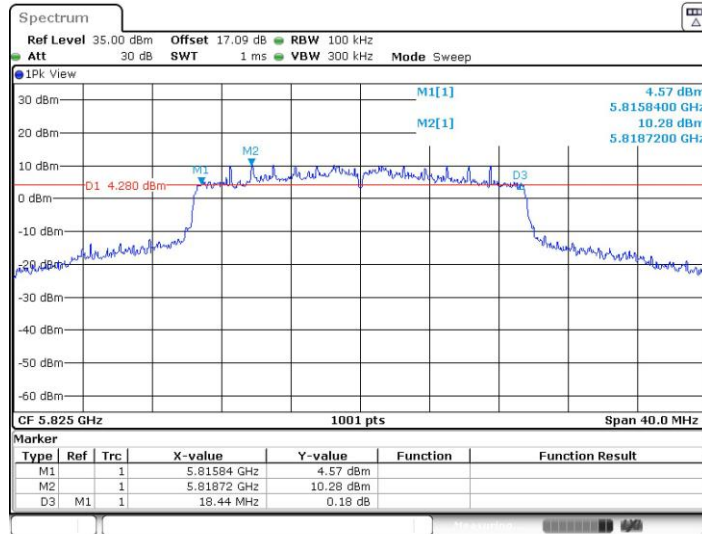


11AX20MIMO_Ant2_5785

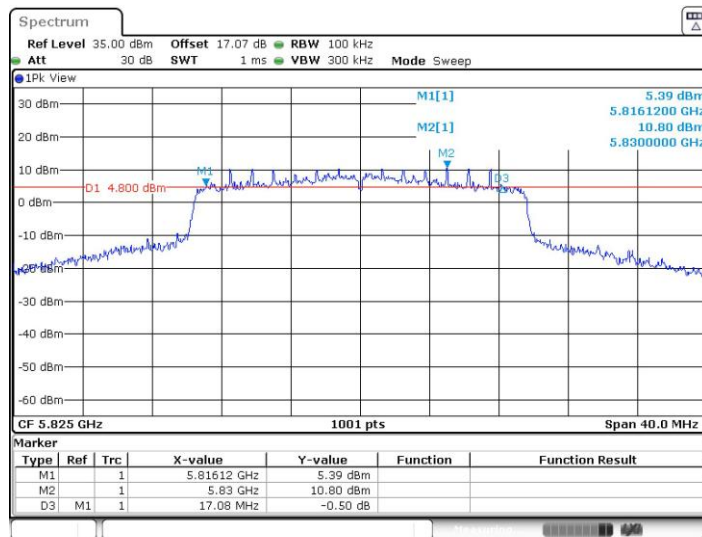




11AX20MIMO_Ant1_5825

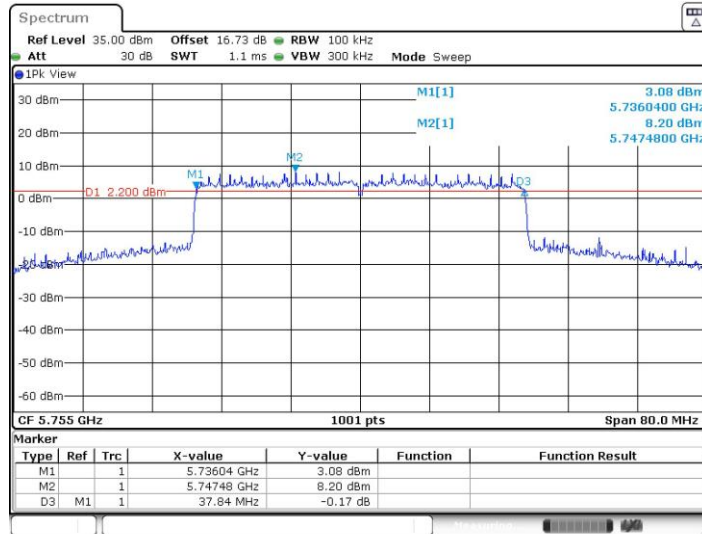


11AX20MIMO_Ant2_5825

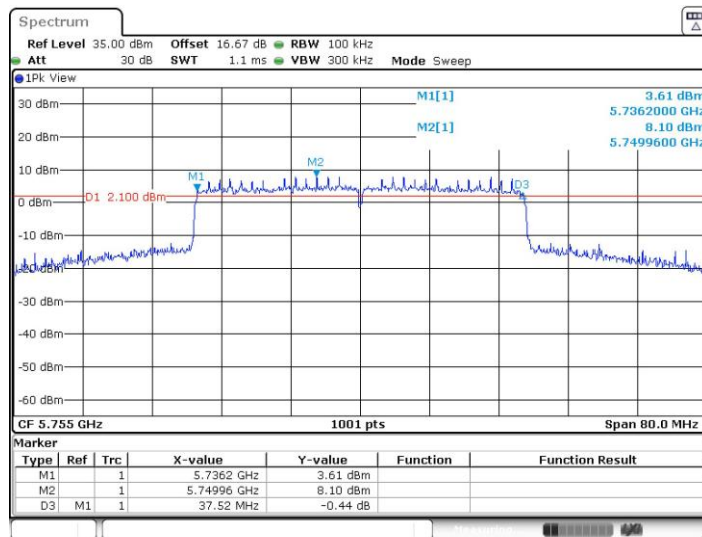




11AX40MIMO_Ant1_5755

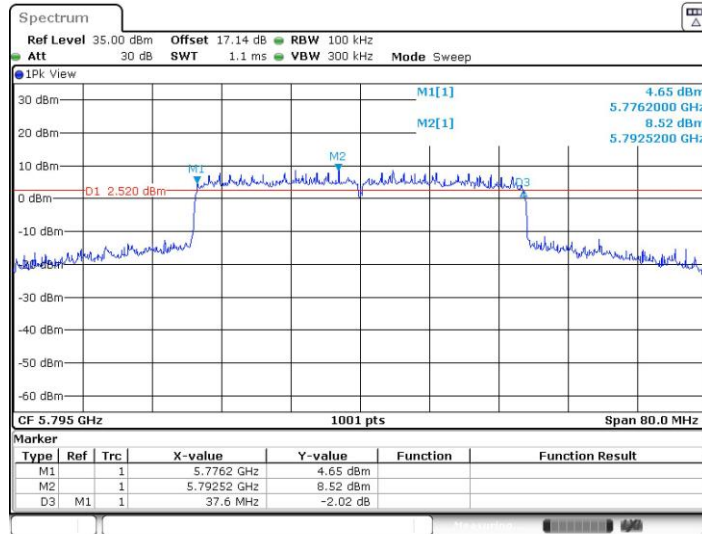


11AX40MIMO_Ant2_5755

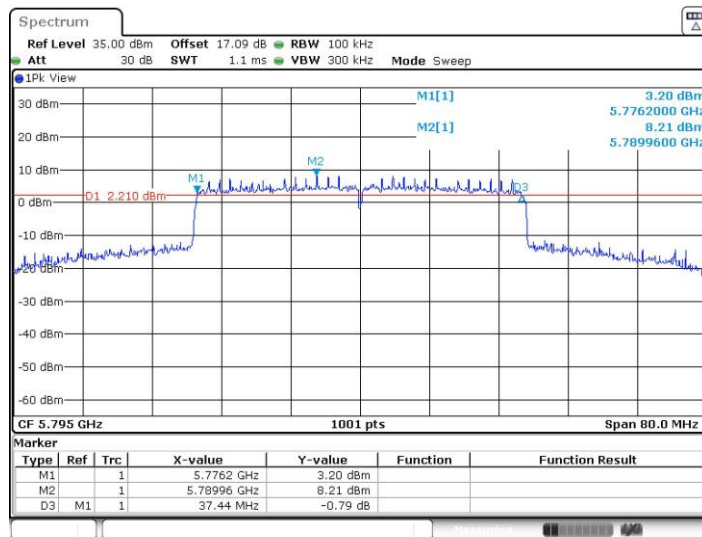




11AX40MIMO_Ant1_5795

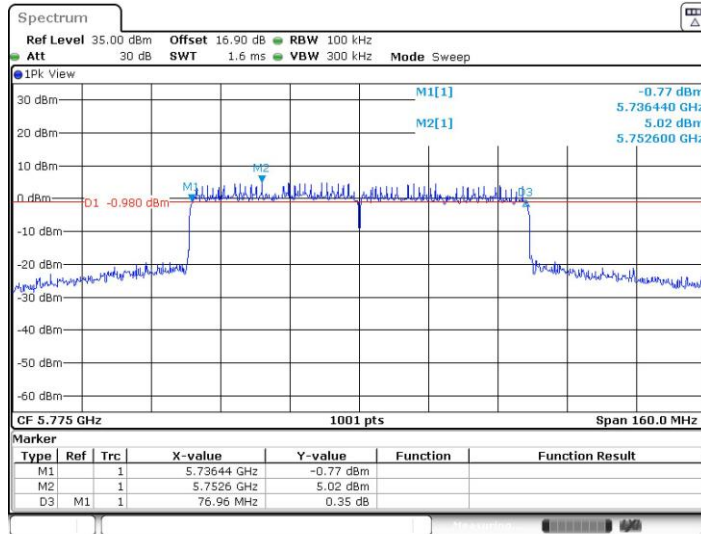


11AX40MIMO_Ant2_5795



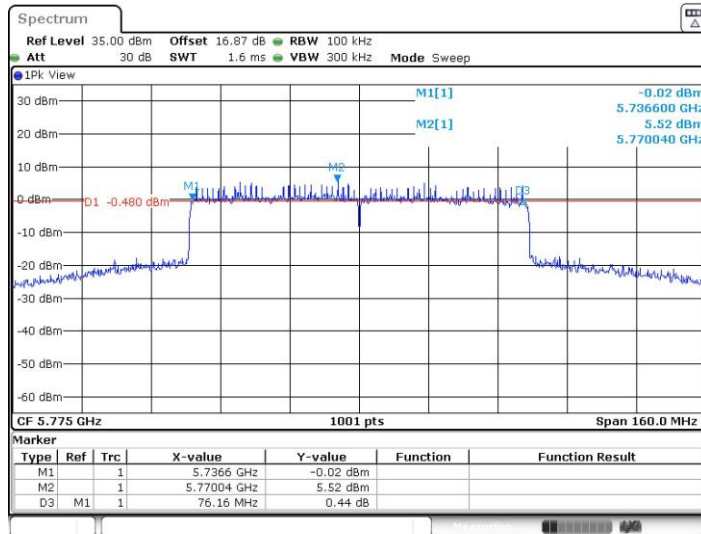


11AX80MIMO_Ant1_5775



Date: 20.MAY.2022 10:42:04

11AX80MIMO_Ant2_5775



Date: 20.MAY.2022 10:43:03



3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW.

For the 5.25–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, $10 \log(1/x)$, where x is the duty cycle.
4. For MIMO mode, the measure-and-sum technique should be used for measuring the in-band transmit power of a device.

<TXBF Modes>

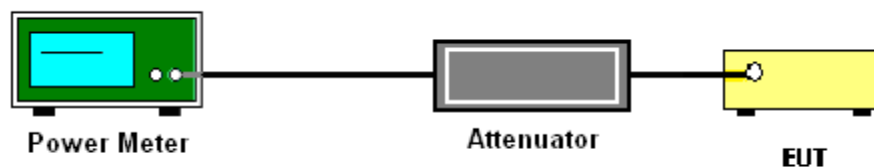
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 for TXBF modes.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

3.2.4 Test Setup





3.2.5 Test Result of Maximum Conducted Output Power

Test Engineer: Jacob Zhang	Temperature:	21~25°C
	Relative Humidity:	51~54%

U-NII-1 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	19.69	20.55	23.15	24.00		1.80		Pass
11a	6Mbps	2	44	5220	19.31	20.18	22.77	24.00		1.80		Pass
11a	6Mbps	2	48	5240	18.75	19.33	22.06	24.00		1.80		Pass
HT20	MCS0	2	36	5180	19.24	20.11	22.70	24.00		1.80		Pass
HT20	MCS0	2	44	5220	18.90	19.39	22.16	24.00		1.80		Pass
HT20	MCS0	2	48	5240	18.29	19.08	21.71	24.00		1.80		Pass
HT40	MCS0	2	38	5190	19.55	19.80	22.69	24.00		1.80		Pass
HT40	MCS0	2	46	5230	19.52	20.07	22.81	24.00		1.80		Pass
VHT20	MCS0	2	36	5180	19.11	20.05	22.62	24.00		1.80		Pass
VHT20	MCS0	2	44	5220	18.82	19.37	22.11	24.00		1.80		Pass
VHT20	MCS0	2	48	5240	18.25	19.04	21.67	24.00		1.80		Pass
VHT40	MCS0	2	38	5190	19.62	19.81	22.72	24.00		1.80		Pass
VHT40	MCS0	2	46	5230	19.46	20.02	22.76	24.00		1.80		Pass
VHT80	MCS0	2	42	5210	18.48	18.72	21.61	24.00		1.80		Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	36	5180	Full	19.28	20.12	22.73	24.00		1.80		Pass
HE20	MCS0	2	36	5180	26RU	9.94	10.55	13.26	24.00		1.80		Pass
HE20	MCS0	2	36	5180	52RU	13.05	13.63	16.36	24.00		1.80		Pass
HE20	MCS0	2	36	5180	106RU	16.18	16.95	19.59	24.00		1.80		Pass
HE20	MCS0	2	44	5220	Full	18.91	19.51	22.23	24.00		1.80		Pass
HE20	MCS0	2	44	5220	26/0	10.13	10.80	13.49	24.00		1.80		Pass
HE20	MCS0	2	44	5220	52/37	12.22	12.86	15.56	24.00		1.80		Pass
HE20	MCS0	2	44	5220	106/53	15.43	15.88	18.67	24.00		1.80		Pass
HE20	MCS0	2	48	5240	Full	18.35	19.12	21.76	24.00		1.80		Pass
HE20	MCS0	2	48	5240	26/8	9.35	10.03	12.71	24.00		1.80		Pass
HE20	MCS0	2	48	5240	52/40	11.92	12.69	15.33	24.00		1.80		Pass
HE20	MCS0	2	48	5240	106/54	15.28	16.04	18.69	24.00		1.80		Pass
HE40	MCS0	2	38	5190	Full	19.73	19.78	22.77	24.00		1.80		Pass
HE40	MCS0	2	38	5190	242/61	16.27	17.71	20.06	24.00		1.80		Pass
HE40	MCS0	2	46	5230	Full	19.65	20.14	22.91	24.00		1.80		Pass
HE40	MCS1	2	46	5230	242/62	16.24	17.51	19.93	24.00		1.80		Pass
HE80	MCS0	2	42	5210	Full	18.64	18.91	21.79	24.00		1.80		Pass
HE80	MCS0	2	42	5210	484/65	15.18	15.34	18.27	24.00		1.80		Pass



U-NII-2A MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	18.30	18.74	21.53	23.98		2.30		30	Pass
11a	6Mbps	2	60	5300	18.26	18.81	21.55	23.98		2.30		30	Pass
11a	6Mbps	2	64	5320	18.23	18.75	21.51	23.98		2.30		30	Pass
HT20	MCS0	2	52	5260	19.03	19.54	22.30	23.98		2.30		30	Pass
HT20	MCS0	2	60	5300	18.54	19.15	21.86	23.98		2.30		30	Pass
HT20	MCS0	2	64	5320	19.10	19.67	22.40	23.98		2.30		30	Pass
HT40	MCS0	2	54	5270	19.56	19.78	22.68	23.98		2.30		30	Pass
HT40	MCS0	2	62	5310	17.73	17.84	20.79	23.98		2.30		30	Pass
VHT20	MCS0	2	52	5260	18.95	19.51	22.25	23.98		2.30		30	Pass
VHT20	MCS0	2	60	5300	18.47	19.10	21.81	23.98		2.30		30	Pass
VHT20	MCS0	2	64	5320	19.01	19.63	22.34	23.98		2.30		30	Pass
VHT40	MCS0	2	54	5270	19.47	19.71	22.60	23.98		2.30		30	Pass
VHT40	MCS0	2	62	5310	17.77	17.87	20.83	23.98		2.30		30	Pass
VHT80	MCS0	2	58	5290	17.42	17.45	20.45	23.98		2.30		30	Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	19.12	19.66	22.41	23.98		2.30		30	Pass
HE20	MCS0	2	52	5260	26/0	9.31	10.08	12.72	23.98		2.30		30	Pass
HE20	MCS0	2	52	5260	52/37	12.11	12.86	15.51	23.98		2.30		30	Pass
HE20	MCS0	2	52	5260	106/53	15.44	15.48	18.47	23.98		2.30		30	Pass
HE20	MCS0	2	60	5300	Full	18.64	19.21	21.95	23.98		2.30		30	Pass
HE20	MCS0	2	60	5300	26/0	10.57	10.91	13.75	23.98		2.30		30	Pass
HE20	MCS0	2	60	5300	52/37	12.17	12.99	15.61	23.98		2.30		30	Pass
HE20	MCS0	2	60	5300	106/53	15.45	16.07	18.78	23.98		2.30		30	Pass
HE20	MCS0	2	64	5320	Full	19.17	19.70	22.45	23.98		2.30		30	Pass
HE20	MCS0	2	64	5320	26/8	9.27	10.21	12.77	23.98		2.30		30	Pass
HE20	MCS0	2	64	5320	52/40	12.85	13.31	16.10	23.98		2.30		30	Pass
HE20	MCS0	2	64	5320	106/54	15.70	15.77	18.75	23.98		2.30		30	Pass
HE40	MCS0	2	54	5270	Full	19.67	19.81	22.75	23.98		2.30		30	Pass
HE40	MCS0	2	54	5270	242/61	16.07	17.11	19.63	23.98		2.30		30	Pass
HE40	MCS0	2	62	5310	Full	17.79	17.93	20.87	23.98		2.30		30	Pass
HE40	MCS0	2	62	5310	242/62	14.13	14.57	17.37	23.98		2.30		30	Pass
HE80	MCS0	2	58	5290	Full	17.51	17.65	20.59	23.98		2.30		30	Pass
HE80	MCS0	2	58	5290	484/66	14.44	14.89	17.68	23.98		2.30		30	Pass



U-NII-2C MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	19.03	18.92	21.98	23.98		2.10		30	Pass
11a	6Mbps	2	116	5580	18.32	18.63	21.49	23.98		2.10		30	Pass
11a	6Mbps	2	140	5700	18.37	19.05	21.73	23.98		2.10		30	Pass
HT20	MCS0	2	100	5500	19.89	19.70	22.80	23.98		2.10		30	Pass
HT20	MCS0	2	116	5580	18.75	19.05	21.91	23.98		2.10		30	Pass
HT20	MCS0	2	140	5700	18.63	19.33	22.00	23.98		2.10		30	Pass
HT40	MCS0	2	102	5510	18.06	18.15	21.11	23.98		2.10		30	Pass
HT40	MCS0	2	110	5550	19.69	19.80	22.75	23.98		2.10		30	Pass
HT40	MCS0	2	134	5670	19.63	20.01	22.83	23.98		2.10		30	Pass
VHT20	MCS0	2	100	5500	19.80	19.63	22.73	23.98		2.10		30	Pass
VHT20	MCS0	2	116	5580	18.68	19.01	21.86	23.98		2.10		30	Pass
VHT20	MCS0	2	140	5700	18.57	19.31	21.97	23.98		2.10		30	Pass
VHT40	MCS0	2	102	5510	18.10	18.23	21.17	23.98		2.10		30	Pass
VHT40	MCS0	2	110	5550	19.65	19.72	22.69	23.98		2.10		30	Pass
VHT40	MCS0	2	134	5670	19.58	19.94	22.77	23.98		2.10		30	Pass
VHT80	MCS0	2	106	5530	17.07	16.99	20.04	23.98		2.10		30	Pass
VHT80	MCS0	2	122	5610	19.66	19.56	22.62	23.98		2.10		30	Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	19.97	19.84	22.92	23.98		2.10		30	Pass
HE20	MCS0	2	100	5500	26/0	11.36	10.47	13.95	23.98		2.10		30	Pass
HE20	MCS0	2	100	5500	52/37	13.13	13.53	16.35	23.98		2.10		30	Pass
HE20	MCS0	2	100	5500	106/53	16.13	17.10	19.65	23.98		2.10		30	Pass
HE20	MCS0	2	116	5580	Full	18.84	19.07	21.97	23.98		2.10		30	Pass
HE20	MCS0	2	116	5580	26/0	10.03	11.26	13.70	23.98		2.10		30	Pass
HE20	MCS0	2	116	5580	52/37	11.56	13.20	15.47	23.98		2.10		30	Pass
HE20	MCS0	2	116	5580	106/53	15.17	16.14	18.69	23.98		2.10		30	Pass
HE20	MCS0	2	140	5700	Full	18.73	19.38	22.08	23.98		2.10		30	Pass
HE20	MCS0	2	140	5700	26/8	8.80	10.20	12.56	23.98		2.10		30	Pass
HE20	MCS0	2	140	5700	52/40	12.10	13.22	15.71	23.98		2.10		30	Pass
HE20	MCS0	2	140	5700	106/54	15.11	16.21	18.71	23.98		2.10		30	Pass
HE40	MCS0	2	102	5510	Full	18.19	18.16	21.19	23.98		2.10		30	Pass
HE40	MCS0	2	102	5510	242/61	14.15	13.92	17.05	23.98		2.10		30	Pass
HE40	MCS0	2	110	5550	Full	19.90	19.85	22.89	23.98		2.10		30	Pass
HE40	MCS0	2	110	5550	242/61	16.18	17.12	19.69	23.98		2.10		30	Pass
HE40	MCS0	2	134	5670	Full	19.72	20.02	22.89	23.98		2.10		30	Pass
HE40	MCS0	2	134	5670	242/62	16.14	17.45	19.85	23.98		2.10		30	Pass
HE80	MCS0	2	106	5530	Full	17.11	17.08	20.10	23.98		2.10		30	Pass
HE80	MCS0	2	106	5530	484/65	14.36	14.67	17.53	23.98		2.10		30	Pass
HE80	MCS0	2	122	5610	Full	19.59	19.82	22.72	23.98		2.10		30	Pass
HE80	MCS0	2	122	5610	484/66	16.09	17.24	19.71	23.98		2.10		30	Pass



U-NII-2C straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	18.44	18.92	21.69	23.98		2.10		30	Pass
HT20	MCS0	2	144	5720	18.95	19.21	22.09	23.98		2.10		30	Pass
HT40	MCS0	2	142	5710	19.76	19.88	22.83	23.98		2.10		30	Pass
VHT20	MCS0	2	144	5720	18.83	19.15	22.00	23.98		2.10		30	Pass
VHT40	MCS0	2	142	5710	19.64	19.82	22.74	23.98		2.10		30	Pass
VHT80	MCS0	2	138	5690	19.55	19.68	22.63	23.98		2.10		30	Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	18.92	19.25	22.10	23.98		2.10		30	Pass
HE20	MCS0	2	144	5720	26/8	9.53	10.52	13.06	23.98		2.10		30	Pass
HE20	MCS0	2	144	5720	52/40	12.25	13.20	15.76	23.98		2.10		30	Pass
HE20	MCS0	2	144	5720	106/54	15.21	16.15	18.72	23.98		2.10		30	Pass
HE40	MCS0	2	142	5710	Full	19.86	19.94	22.91	23.98		2.10		30	Pass
HE40	MCS0	2	142	5710	242/62	16.37	17.58	20.03	23.98		2.10		30	Pass
HE80	MCS0	2	138	5690	Full	19.62	19.77	22.70	23.98		2.10		30	Pass
HE80	MCS0	2	138	5690	484/66	16.60	17.14	19.89	23.98		2.10		30	Pass



U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	19.60	20.11	22.87	30.00		1.80		Pass
11a	6Mbps	2	157	5785	19.79	19.97	22.89	30.00		1.80		Pass
11a	6Mbps	2	165	5825	20.83	21.24	24.05	30.00		1.80		Pass
HT20	MCS0	2	149	5745	19.62	19.99	22.82	30.00		1.80		Pass
HT20	MCS0	2	157	5785	19.84	19.88	22.87	30.00		1.80		Pass
HT20	MCS0	2	165	5825	20.92	21.02	23.98	30.00		1.80		Pass
HT40	MCS0	2	151	5755	19.45	19.59	22.53	30.00		1.80		Pass
HT40	MCS0	2	159	5795	19.43	19.56	22.50	30.00		1.80		Pass
VHT20	MCS0	2	149	5745	19.74	20.03	22.90	30.00		1.80		Pass
VHT20	MCS0	2	157	5785	19.88	19.95	22.93	30.00		1.80		Pass
VHT20	MCS0	2	165	5825	20.97	21.11	24.05	30.00		1.80		Pass
VHT40	MCS0	2	151	5755	19.56	19.65	22.61	30.00		1.80		Pass
VHT40	MCS0	2	159	5795	19.52	19.67	22.60	30.00		1.80		Pass
VHT80	MCS0	2	155	5775	19.54	19.64	22.60	30.00		1.80		Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power with duty factor (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	19.92	20.16	23.05	30.00		1.80		Pass
HE20	MCS0	2	149	5745	26/0	11.56	12.44	15.03	30.00		1.80		Pass
HE20	MCS0	2	149	5745	52/37	14.49	15.49	18.03	30.00		1.80		Pass
HE20	MCS0	2	149	5745	106/53	17.25	18.34	20.84	30.00		1.80		Pass
HE20	MCS0	2	157	5785	Full	20.03	20.19	23.12	30.00		1.80		Pass
HE20	MCS0	2	157	5785	26/0	11.96	12.62	15.31	30.00		1.80		Pass
HE20	MCS0	2	157	5785	52/37	14.97	15.53	18.27	30.00		1.80		Pass
HE20	MCS0	2	157	5785	106/53	17.45	18.12	20.81	30.00		1.80		Pass
HE20	MCS0	2	165	5825	Full	21.21	21.38	24.31	30.00		1.80		Pass
HE20	MCS0	2	165	5825	26/8	12.08	12.54	15.32	30.00		1.80		Pass
HE20	MCS0	2	165	5825	52/40	15.15	15.63	18.41	30.00		1.80		Pass
HE20	MCS0	2	165	5825	106/54	17.93	18.14	21.05	30.00		1.80		Pass
HE40	MCS0	2	151	5755	Full	19.74	19.81	22.79	30.00		1.80		Pass
HE40	MCS0	2	151	5755	242/61	16.57	16.93	19.76	30.00		1.80		Pass
HE40	MCS0	2	159	5795	Full	19.77	19.85	22.82	30.00		1.80		Pass
HE40	MCS0	2	159	5795	242/62	16.54	17.12	19.85	30.00		1.80		Pass
HE80	MCS0	2	155	5775	Full	19.62	19.75	22.69	30.00		1.80		Pass
HE80	MCS0	2	155	5775	484/65	16.64	17.11	19.89	30.00		1.80		Pass
HE80	MCS0	2	155	5775	484/66	16.58	16.83	19.72	30.00		1.80		Pass



<Tx Beamforming Mode>

U NII-1 Tx Beamforming												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HT20	MCS0	2	36	5180	17.18	18.13	20.69	24.00		4.61		Pass
HT20	MCS0	2	44	5220	16.97	17.94	20.49	24.00		4.61		Pass
HT20	MCS0	2	48	5240	16.89	17.85	20.41	24.00		4.61		Pass
HT40	MCS0	2	38	5190	19.17	20.05	22.64	24.00		4.61		Pass
HT40	MCS0	2	46	5230	19.33	19.81	22.59	24.00		4.61		Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	36	5180	Full	17.44	18.31	20.91	24.00		4.61		Pass
HE20	MCS0	2	44	5220	Full	17.15	18.07	20.64	24.00		4.61		Pass
HE20	MCS0	2	48	5240	Full	17.15	18.09	20.66	24.00		4.61		Pass
HE40	MCS0	2	38	5190	Full	19.34	20.11	22.75	24.00		4.61		Pass
HE40	MCS0	2	46	5230	Full	19.61	19.96	22.80	24.00		4.61		Pass
HE80	MCS0	2	42	5210	Full	18.27	18.76	21.53	24.00		4.61		Pass

U NII-2A Tx Beamforming													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HT20	MCS0	2	52	5260	17.69	16.95	20.35	23.98		4.87		30	Pass
HT20	MCS0	2	60	5300	16.48	16.83	19.67	23.98		4.87		30	Pass
HT20	MCS0	2	64	5320	16.55	17.07	19.83	23.98		4.87		30	Pass
HT40	MCS0	2	54	5270	19.19	19.74	22.48	23.98		4.87		30	Pass
HT40	MCS0	2	62	5310	16.87	17.11	20.00	23.98		4.87		30	Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	18.22	17.12	20.72	23.98		4.87		30	Pass
HE20	MCS0	2	60	5300	Full	16.67	17.09	19.90	23.98		4.87		30	Pass
HE20	MCS0	2	64	5320	Full	16.77	17.15	19.97	23.98		4.87		30	Pass
HE40	MCS0	2	54	5270	Full	19.39	19.96	22.69	23.98		4.87		30	Pass
HE40	MCS0	2	62	5310	Full	17.36	17.84	20.62	23.98		4.87		30	Pass
HE80	MCS0	2	58	5290	Full	17.02	17.73	20.40	23.98		4.87		30	Pass



U NII-2C Tx Beamforming													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HT20	MCS0	2	100	5500	16.82	17.03	19.94	23.98		4.08		30	Pass
HT20	MCS0	2	116	5580	16.51	16.67	19.60	23.98		4.08		30	Pass
HT20	MCS0	2	140	5700	16.44	16.81	19.64	23.98		4.08		30	Pass
HT40	MCS0	2	102	5510	16.75	17.01	19.89	23.98		4.08		30	Pass
HT40	MCS0	2	110	5550	19.28	19.86	22.59	23.98		4.08		30	Pass
HT40	MCS0	2	134	5670	19.11	19.88	22.52	23.98		4.08		30	Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	17.00	17.89	20.48	23.98		4.08		30	Pass
HE20	MCS0	2	116	5580	Full	16.78	16.83	19.82	23.98		4.08		30	Pass
HE20	MCS0	2	140	5700	Full	16.63	17.07	19.87	23.98		4.08		30	Pass
HE40	MCS0	2	102	5510	Full	17.71	18.17	20.96	23.98		4.08		30	Pass
HE40	MCS0	2	110	5550	Full	19.51	20.05	22.80	23.98		4.08		30	Pass
HE40	MCS0	2	134	5670	Full	19.49	20.17	22.85	23.98		4.08		30	Pass
HE80	MCS0	2	106	5530	Full	16.72	17.16	19.96	23.98		4.08		30	Pass
HE80	MCS0	2	122	5610	Full	19.21	19.66	22.45	23.98		4.08		30	Pass

U NII-2C straddle channel Tx Beamforming													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HT20	MCS0	2	144	5720	16.54	16.93	19.75	23.98		4.08		30	Pass
HT40	MCS0	2	142	5710	19.38	19.65	22.53	23.98		4.08		30	Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	16.72	17.12	19.93	23.98		4.08		30	Pass
HE40	MCS0	2	142	5710	Full	19.59	19.94	22.78	23.98		4.08		30	Pass
HE80	MCS0	2	138	5690	Full	19.29	19.56	22.44	23.98		4.08		30	Pass



U NII-3 Tx Beamforming												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HT20	MCS0	2	149	5745	19.89	19.71	22.81	30.00		3.56		Pass
HT20	MCS0	2	157	5785	19.93	19.76	22.86	30.00		3.56		Pass
HT20	MCS0	2	165	5825	19.88	19.96	22.93	30.00		3.56		Pass
HT40	MCS0	2	151	5755	19.25	19.74	22.51	30.00		3.56		Pass
HT40	MCS0	2	159	5795	19.13	19.78	22.48	30.00		3.56		Pass

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	20.08	19.91	23.01	30.00		3.56		Pass
HE20	MCS0	2	157	5785	Full	20.13	20.01	23.08	30.00		3.56		Pass
HE20	MCS0	2	165	5825	Full	20.31	20.41	23.37	30.00		3.56		Pass
HE40	MCS0	2	151	5755	Full	19.69	19.83	22.77	30.00		3.56		Pass
HE40	MCS0	2	159	5795	Full	19.61	19.95	22.79	30.00		3.56		Pass
HE80	MCS0	2	155	5775	Full	19.38	19.69	22.55	30.00		3.56		Pass



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

For the 5.25–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.